

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059417.D
 Acq On : 27 Nov 2019 10:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Quant Time: Nov 28 02:03:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	396714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	611772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	547795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259473	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	214967	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	7.57	113	180846	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	10.08	98	699140	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
62) 4-Bromofluorobenzene	12.40	95	250834	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	174714	37.418	ug/l	99
3) Chloromethane	2.04	50	210586	36.922	ug/l	100
4) Vinyl Chloride	2.17	62	232184	42.363	ug/l	99
5) Bromomethane	2.55	94	127154	38.532	ug/l	98
6) Chloroethane	2.69	64	120866	39.332	ug/l	97
7) Trichlorofluoromethane	3.00	101	243327	37.273	ug/l	95
8) Diethyl Ether	3.39	74	106715	40.166	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	159938	39.779	ug/l	99
10) Methyl Iodide	3.93	142	210765	40.274	ug/l	99
11) Tert butyl alcohol	4.75	59	149356	185.526	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	158348	40.215	ug/l	98
13) Acrolein	3.58	56	98898	125.848	ug/l	98
14) Allyl chloride	4.29	41	289496	39.642	ug/l	99
15) Acrylonitrile	4.95	53	447577	199.521	ug/l	99
16) Acetone	3.79	43	517093	233.569	ug/l	99
17) Carbon Disulfide	4.03	76	468208	34.651	ug/l	99
18) Methyl Acetate	4.29	43	257323	42.682	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	528102	41.621	ug/l	99
20) Methylene Chloride	4.52	84	176947	39.335	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	168877	39.365	ug/l	99
22) Diisopropyl ether	5.92	45	568551	41.895	ug/l	98
23) Vinyl Acetate	5.86	43	2211677	202.009	ug/l	100
24) 1,1-Dichloroethane	5.82	63	323292	41.405	ug/l	99
25) 2-Butanone	6.81	43	638256	209.566	ug/l	100
26) 2,2-Dichloropropane	6.79	77	276489	41.609	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	192170	40.958	ug/l	99
28) Bromochloromethane	7.17	49	131555	39.651	ug/l	99
29) Tetrahydrofuran	7.18	42	394963	194.989	ug/l	99
30) Chloroform	7.35	83	311736	39.675	ug/l	100
31) Cyclohexane	7.63	56	289470	36.981	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	263867	41.066	ug/l	100
36) 1,1-Dichloropropene	7.77	75	238618	40.560	ug/l	99
37) Ethyl Acetate	6.90	43	238299	38.285	ug/l	100
38) Carbon Tetrachloride	7.75	117	232902	41.948	ug/l	99

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	288574	41.001	ug/l	100
40) Benzene	8.02	78	722462	41.359	ug/l	99
41) Methacrylonitrile	7.15	41	110121m	37.994	ug/l	
42) 1,2-Dichloroethane	8.10	62	234720	42.377	ug/l	100
43) Isopropyl Acetate	8.14	43	384521	40.665	ug/l	100
44) Trichloroethene	8.82	130	183043	41.097	ug/l	99
45) 1,2-Dichloropropane	9.10	63	191138	41.833	ug/l	100
46) Dibromomethane	9.19	93	117074	41.522	ug/l	99
47) Bromodichloromethane	9.39	83	241027	42.265	ug/l	100
48) Methyl methacrylate	9.18	41	172957	41.228	ug/l	100
49) 1,4-Dioxane	9.19	88	51706	843.902	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1168628	213.068	ug/l	100
52) Toluene	10.15	92	434883	41.672	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	280649	42.828	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	308029	43.545	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	172851	42.317	ug/l	99
56) Ethyl methacrylate	10.42	69	266167	46.739	ug/l	99
57) 1,3-Dichloropropane	10.70	76	295609	41.872	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	510791	291.857	ug/l	100
59) 2-Hexanone	10.74	43	879076	216.146	ug/l	100
60) Dibromochloromethane	10.90	129	187221	43.910	ug/l	99
61) 1,2-Dibromoethane	11.00	107	176459	42.158	ug/l	100
64) Tetrachloroethene	10.63	164	163709	40.404	ug/l	99
65) Chlorobenzene	11.43	112	461595	41.623	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	170317	42.350	ug/l	100
67) Ethyl Benzene	11.51	91	830630	42.642	ug/l	100
68) m/p-Xylenes	11.62	106	617963	84.971	ug/l	100
69) o-Xylene	11.95	106	292980	42.006	ug/l	99
70) Styrene	11.96	104	479032	46.041	ug/l	99
71) Bromoform	12.13	173	133484	43.590	ug/l	# 98
73) Isopropylbenzene	12.25	105	794004	41.307	ug/l	100
74) N-amyl acetate	12.07	43	303392	45.137	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	253611	40.458	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	220625m	37.585	ug/l	
77) Bromobenzene	12.53	156	192274	40.856	ug/l	99
78) n-propylbenzene	12.59	91	932144	42.082	ug/l	100
79) 2-Chlorotoluene	12.67	91	546131	41.239	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	672522	41.622	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	92548	40.511	ug/l	99
82) 4-Chlorotoluene	12.77	91	566412	41.569	ug/l	99
83) tert-Butylbenzene	12.99	119	574396	41.400	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	663212	41.900	ug/l	100
85) sec-Butylbenzene	13.17	105	775698	42.101	ug/l	100
86) p-Isopropyltoluene	13.29	119	706611	42.423	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	345176	41.387	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	343298	41.000	ug/l	99
89) n-Butylbenzene	13.62	91	617245	42.392	ug/l	100
90) Hexachloroethane	13.88	117	127241	39.967	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	336003	41.115	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48009	44.989	ug/l	100

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VSTDCCC050

Manual Integrations
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Quant Time: Nov 28 02:03:45 2019
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Quant Title : SW846 8260
QLast Update : Wed Nov 27 16:56:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	205227	40.399	ug/l	100
94) Hexachlorobutadiene	15.01	225	121295	38.962	ug/l	100
95) Naphthalene	15.13	128	514236	46.180	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	202982	47.407	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed apatel

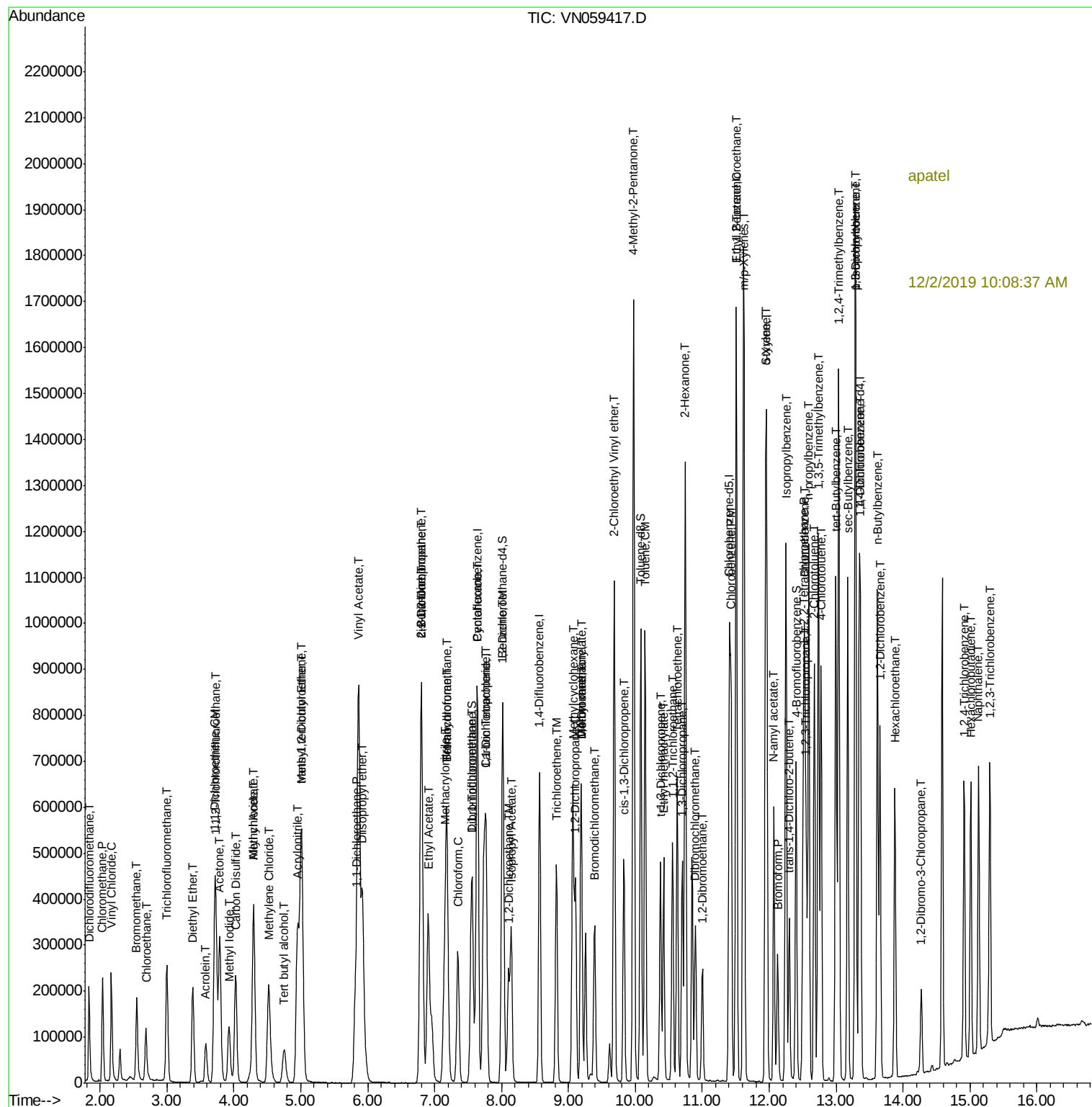
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112719\
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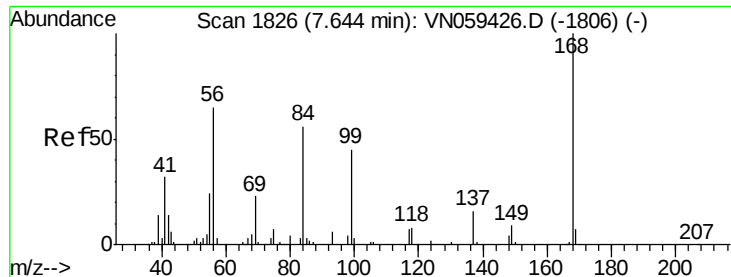
Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

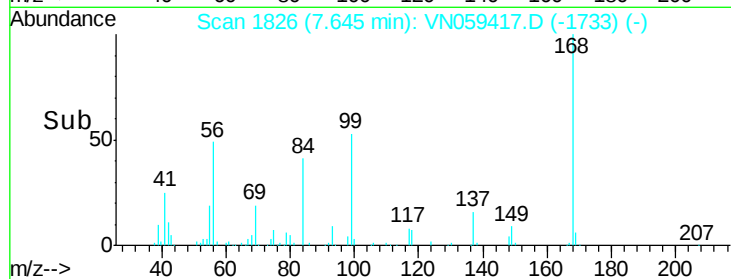
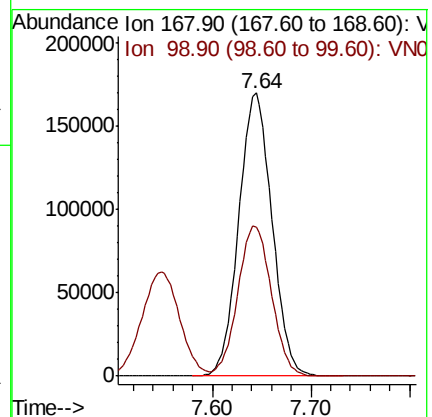
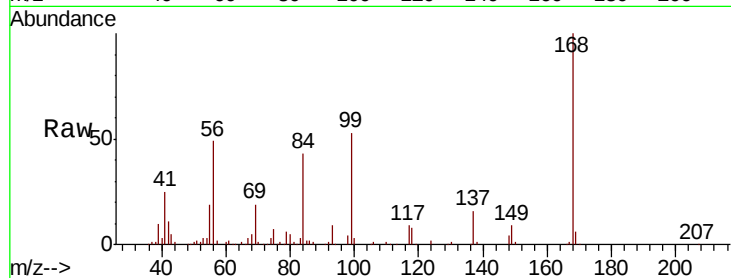
Tot Ion:168 Resp: 396714

Ion Ratio Lower Upper

168 100

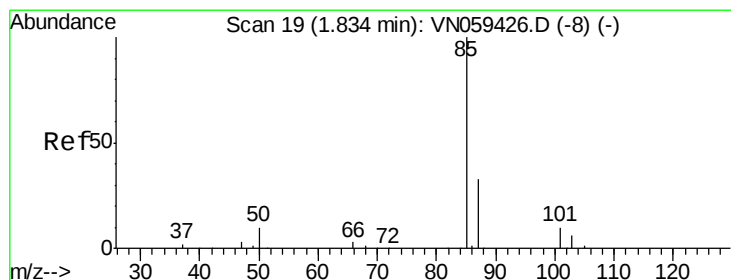
99 52.6 43.0 64.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 37.418 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059417.D

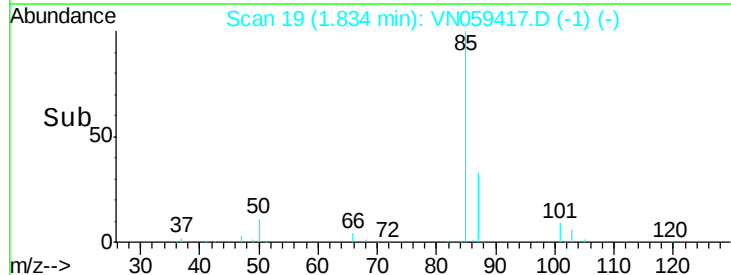
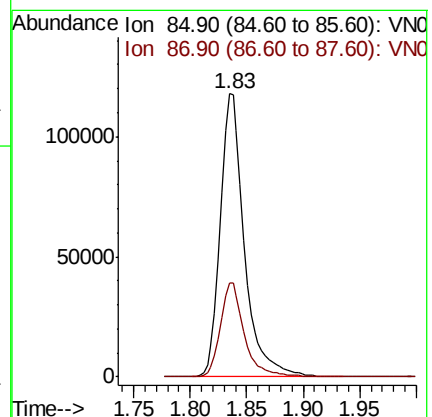
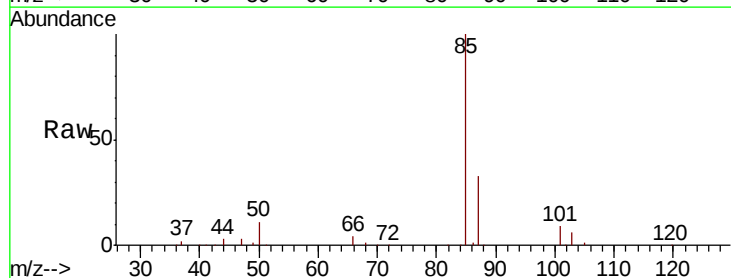
Acq: 27 Nov 2019 10:28

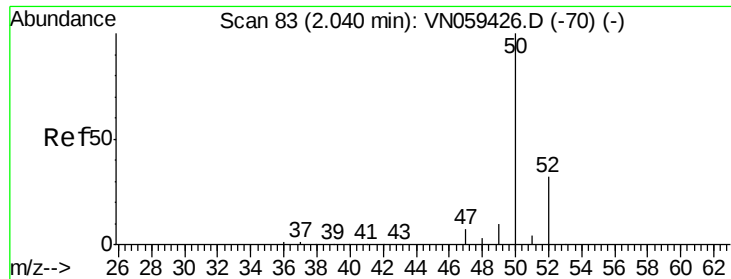
Tgt Ion: 85 Resp: 174714

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.2





#3

Chloromethane

Concen: 36.922 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 210586

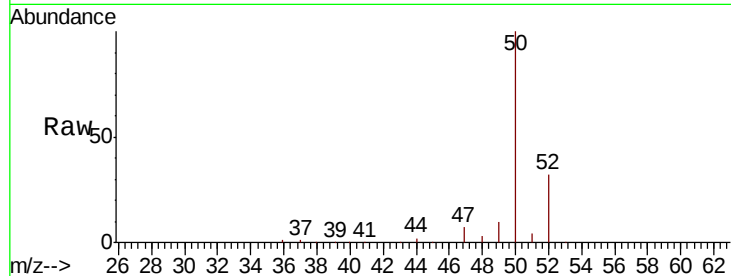
Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.04

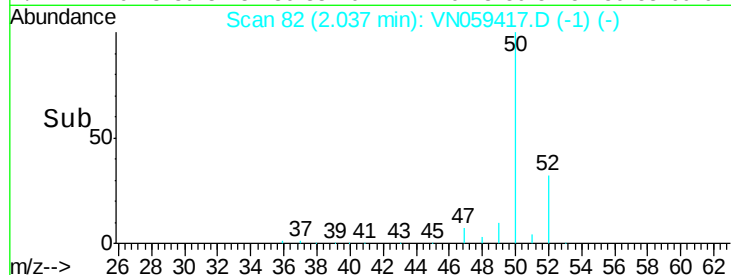
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100000

50000

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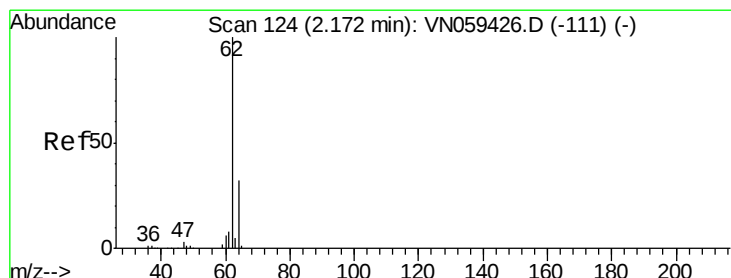
Time-->



Time-->

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#4

Vinyl Chloride

Concen: 42.363 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN059417.D

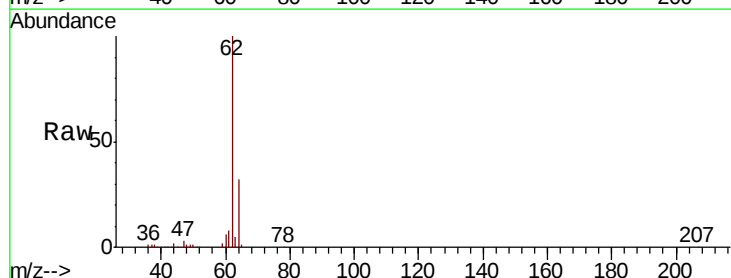
Acq: 27 Nov 2019 10:28

Tgt Ion: 62 Resp: 232184

Ion Ratio Lower Upper

62 100

64 31.9 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.17

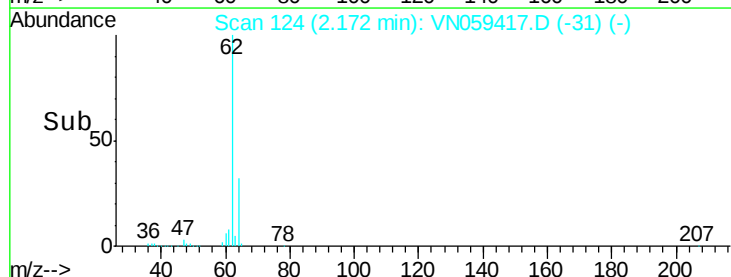
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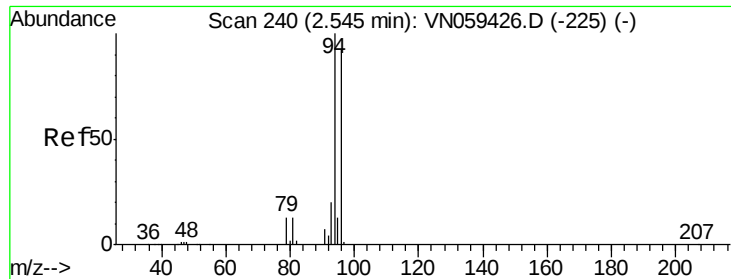
100000

50000

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Time-->





#5

Bromomethane

Concen: 38.532 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

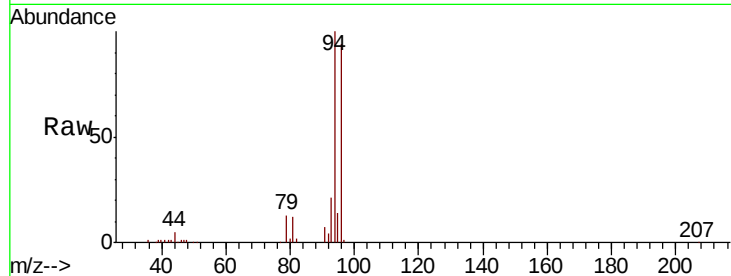
Tot Ion: 94 Resp: 127154

Ion Ratio Lower Upper

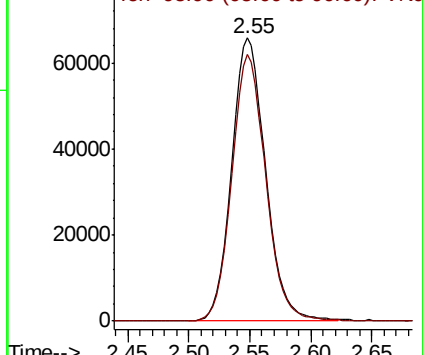
94 100

96 94.1 73.8 110.6

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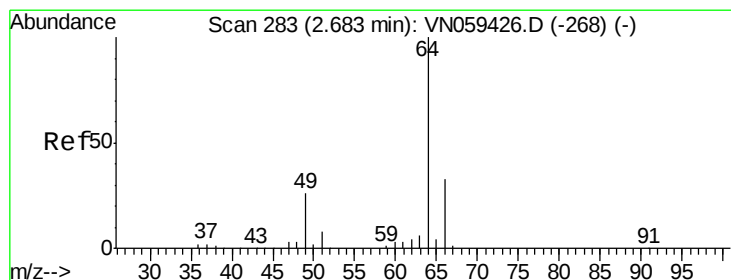
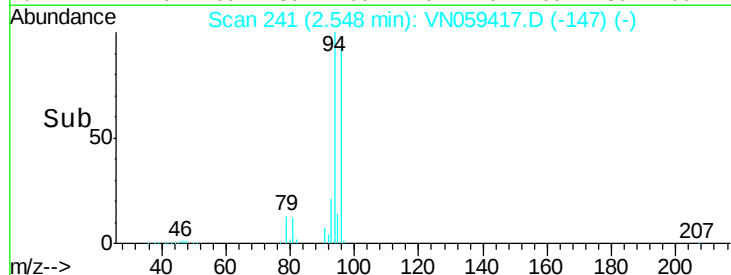


Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



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#6

Chloroethane

Concen: 39.332 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059417.D

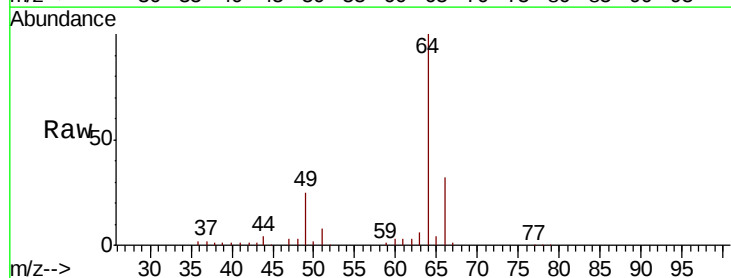
Acq: 27 Nov 2019 10:28

Tgt Ion: 64 Resp: 120866

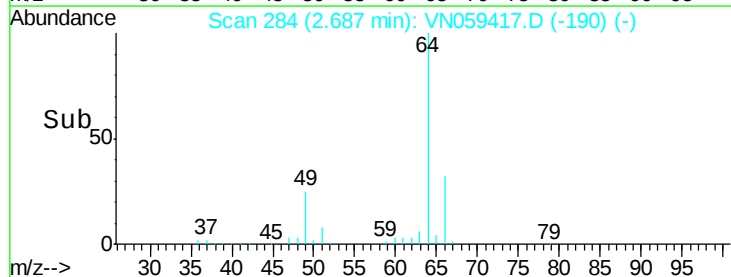
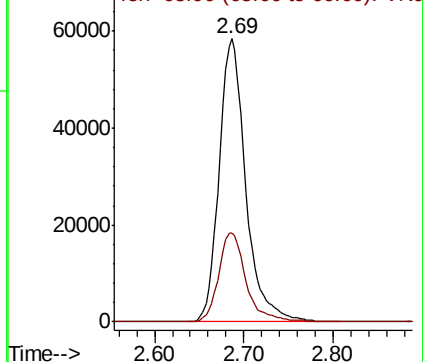
Ion Ratio Lower Upper

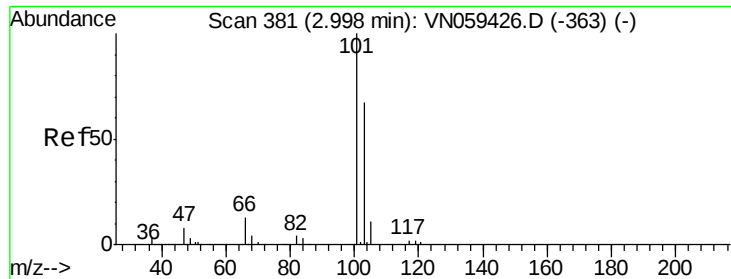
64 100

66 31.6 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





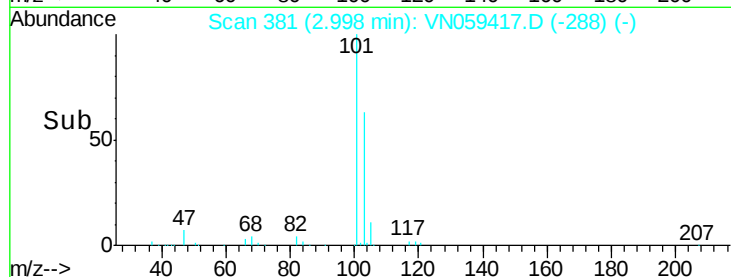
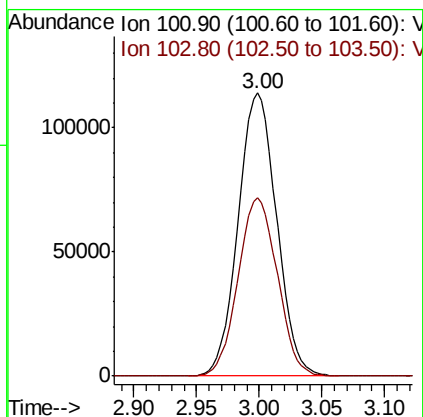
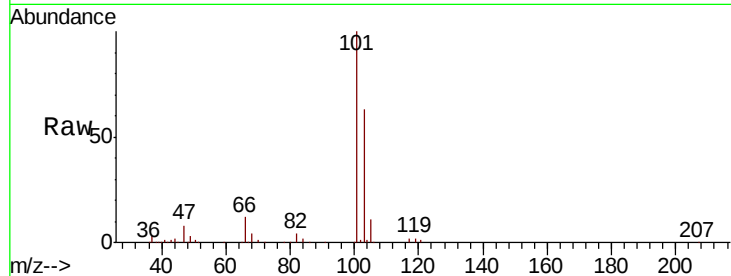
#7

Trichlorofluoromethane
Concen: 37.273 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

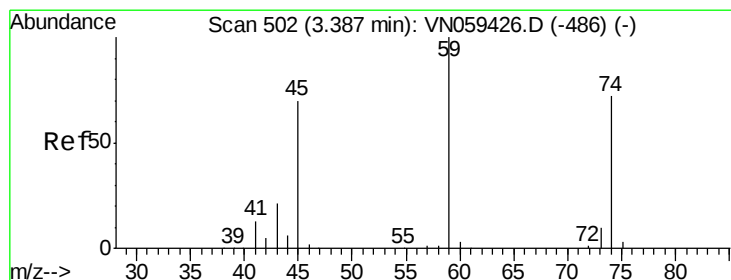
Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	53.6	80.4

Manual Integrations
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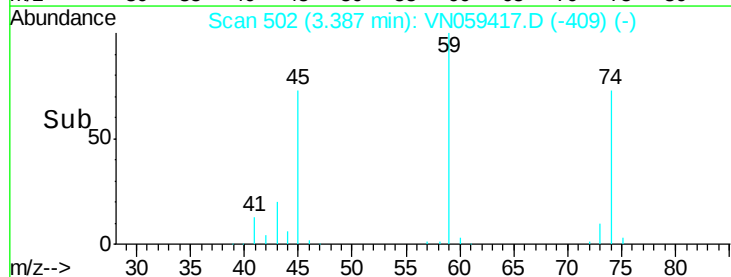
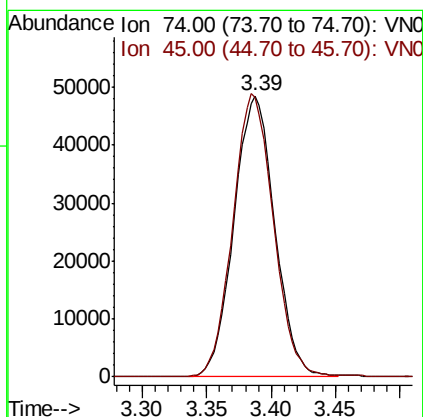
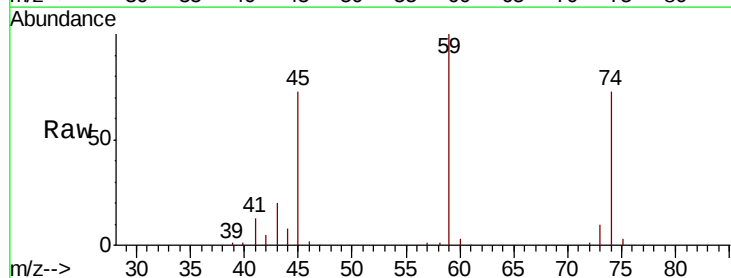
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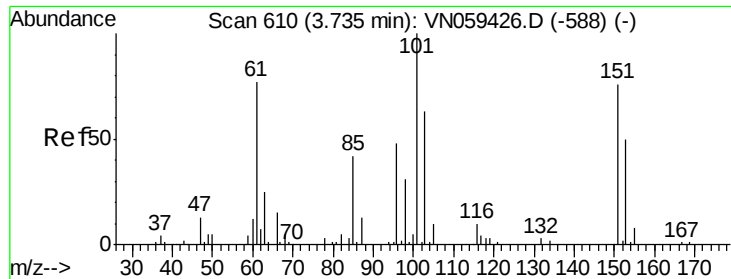


#8

Diethyl Ether
Concen: 40.166 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.779 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

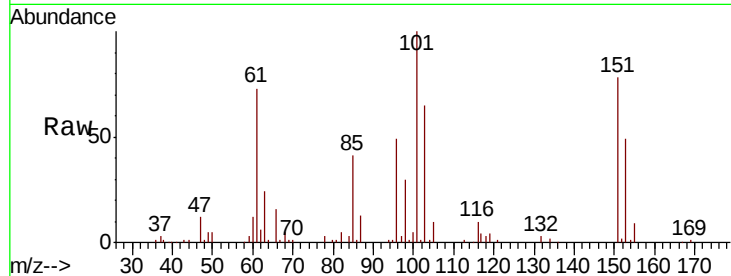
MSVOA_N

ClientSampled :

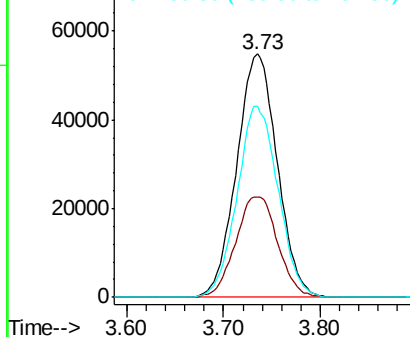
VSTDCCC050

Tot Ion:	101	Resp:	159938
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.2
151	79.4	62.6	93.8

Manual Integrations
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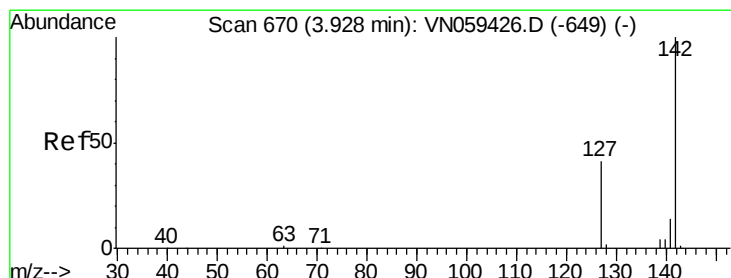
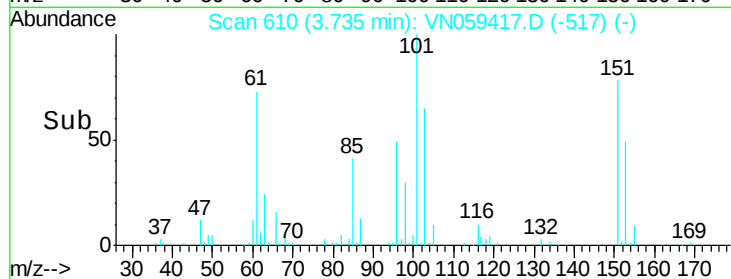


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



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#10

Methyl Iodide

Concen: 40.274 ug/l

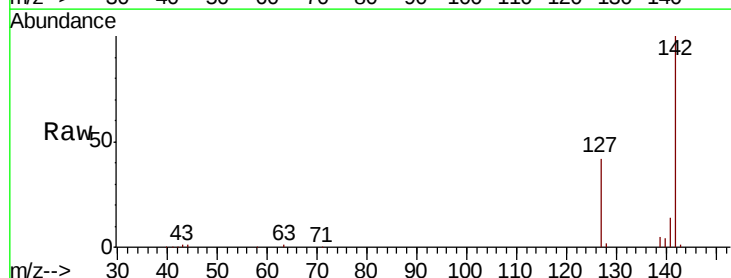
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

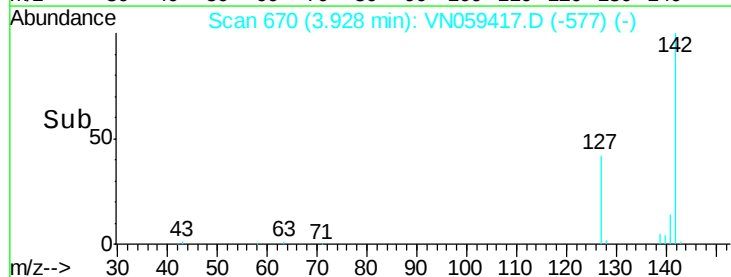
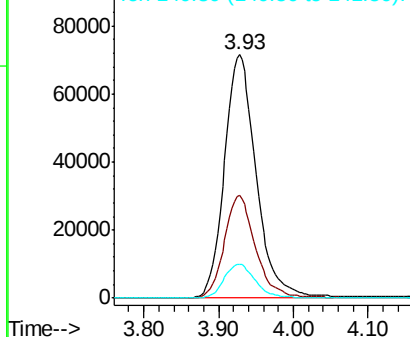
Lab File: VN059417.D

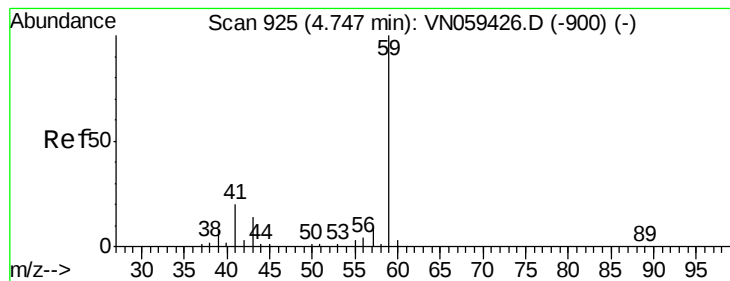
Acq: 27 Nov 2019 10:28

Tgt Ion:	142	Resp:	210765
Ion Ratio	Lower	Upper	
142	100		
127	41.5	32.6	48.8
141	13.8	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





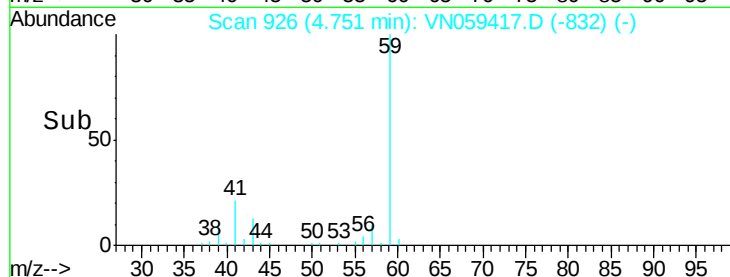
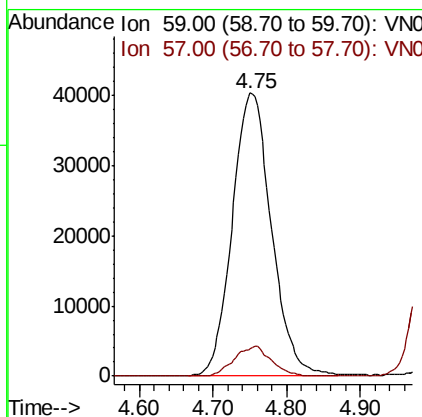
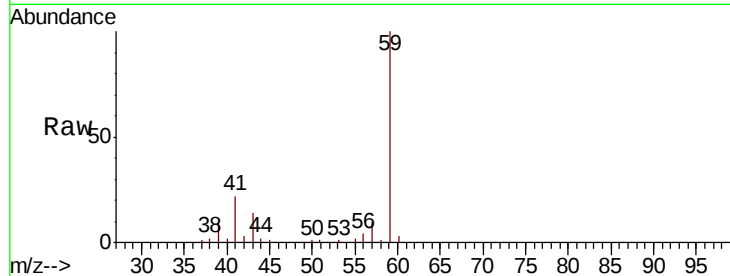
#11

Tert butyl alcohol
Concen: 185.526 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

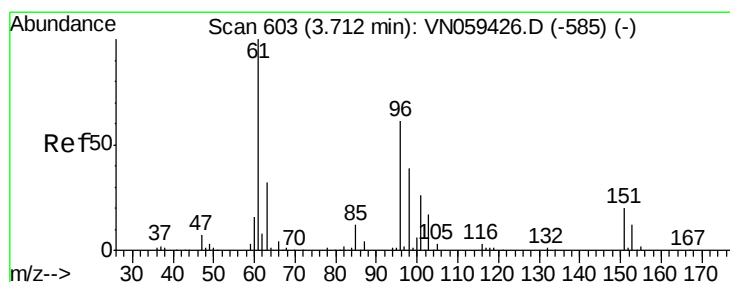
Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	3.8	5.8#

Manual Integrations
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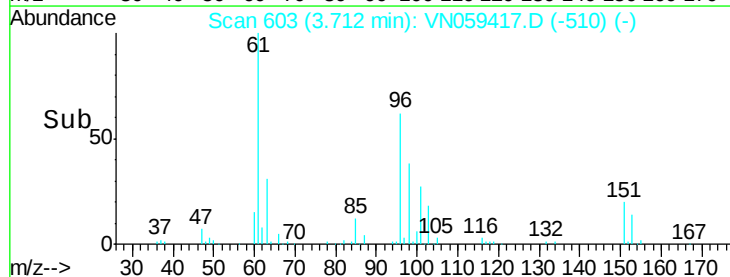
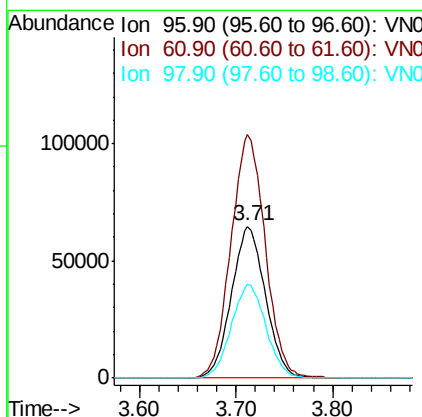
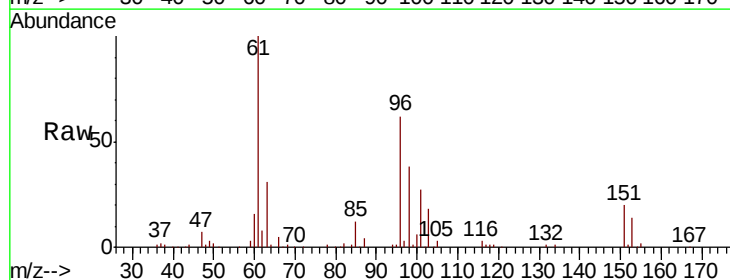
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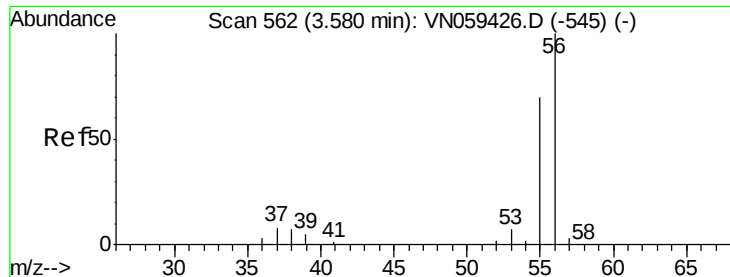


#12

1,1-Dichloroethene
Concen: 40.215 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.4	130.5	195.7
98	61.7	51.3	76.9





#13

Acrolein

Concen: 125.848 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

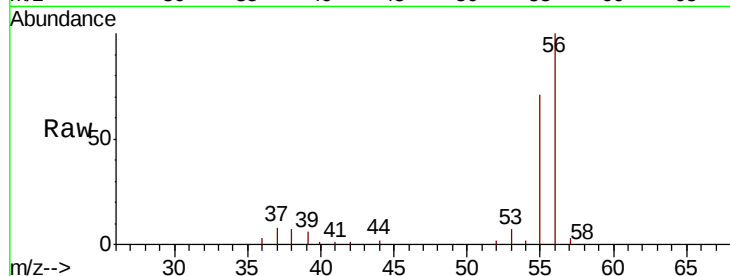
Tot Ion: 56 Resp: 98898

Ion Ratio Lower Upper

56 100

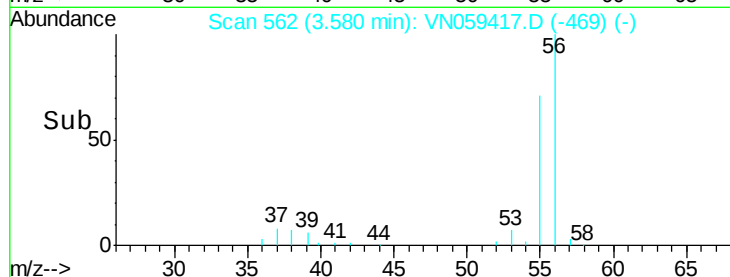
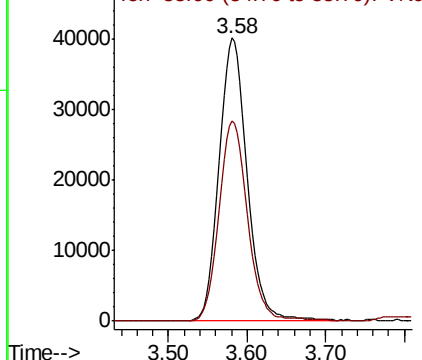
55 70.9 57.8 86.6

Manual Integrations
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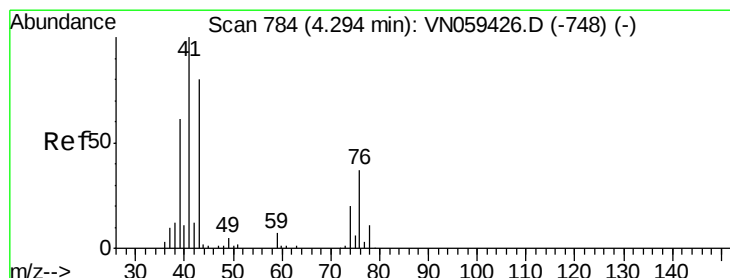
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



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#14

Allyl chloride

Concen: 39.642 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

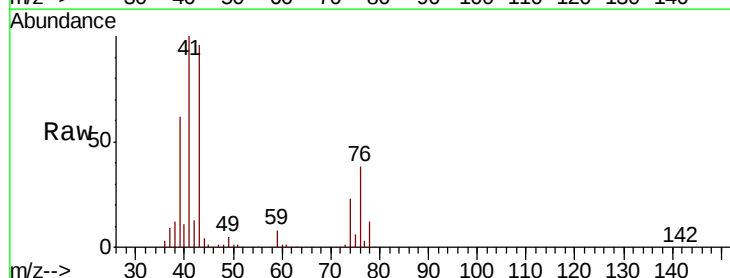
Tgt Ion: 41 Resp: 289496

Ion Ratio Lower Upper

41 100

39 58.9 46.5 69.7

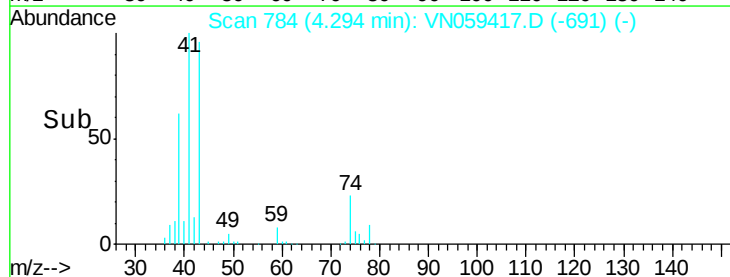
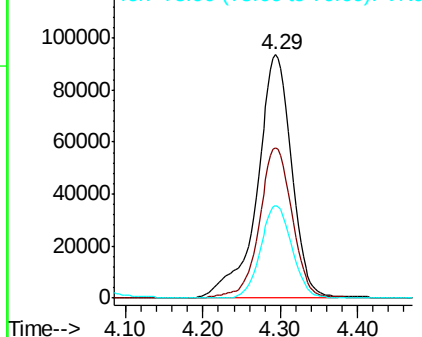
76 34.6 26.8 40.2

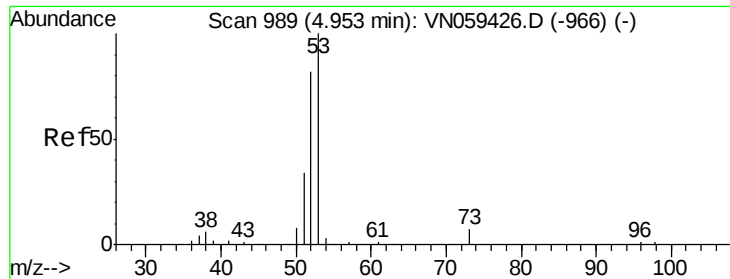


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 199.521 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

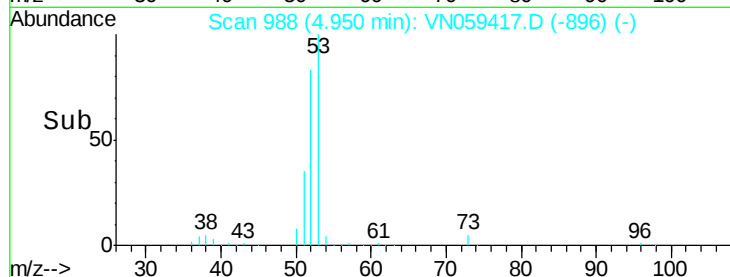
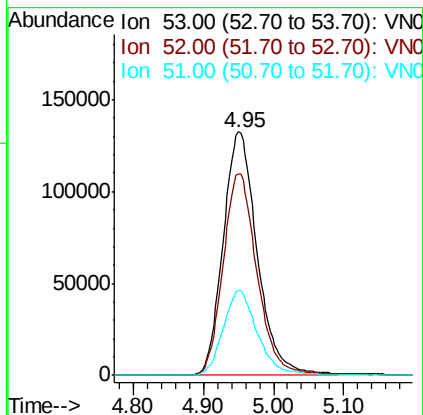
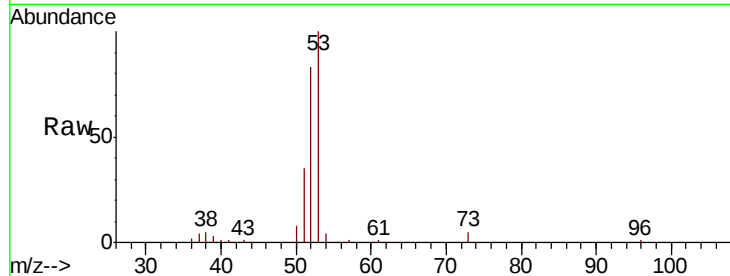
MSVOA_N

ClientSampleId :

VSTDCCC050

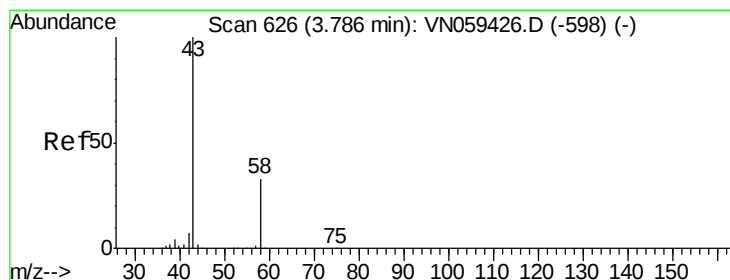
Tot Ion:	53	Resp:	447577
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.1	97.7
51	35.0	27.8	41.8

Manual Integrations
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#16

Acetone

Concen: 233.569 ug/l

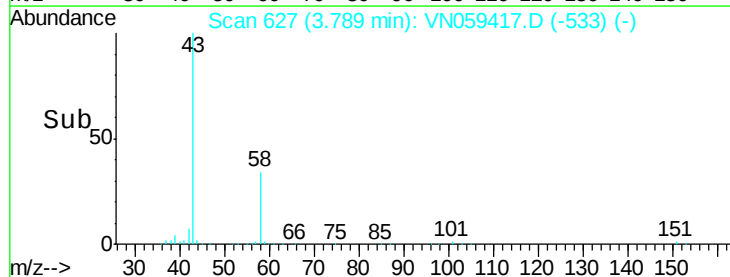
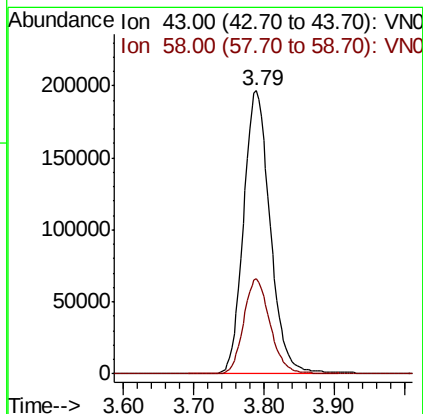
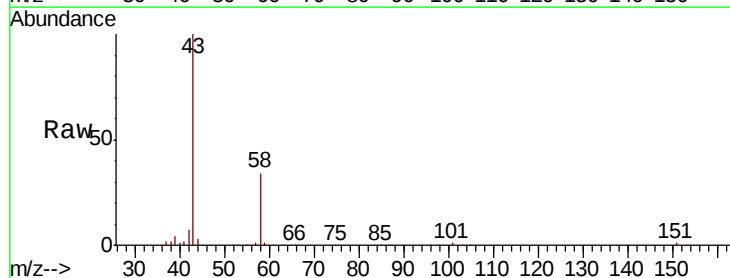
RT: 3.79 min Scan# 627

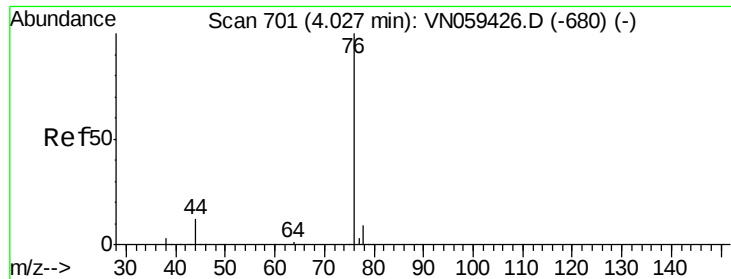
Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Tgt Ion:	43	Resp:	517093
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.6	39.8





#17

Carbon Disulfide

Concen: 34.651 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

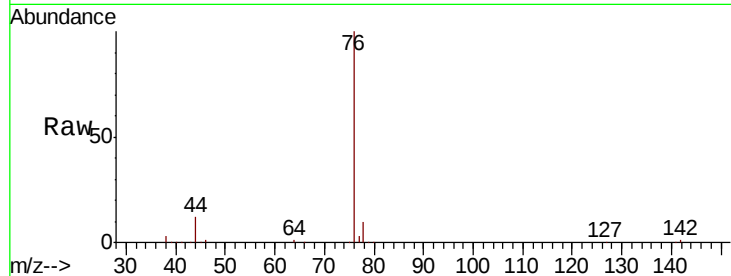
Tot Ion: 76 Resp: 468208

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN059417.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN059417.D (-608) (-)

4.03

200000

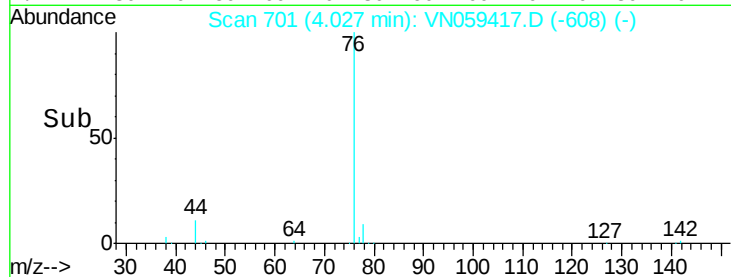
150000

100000

50000

0

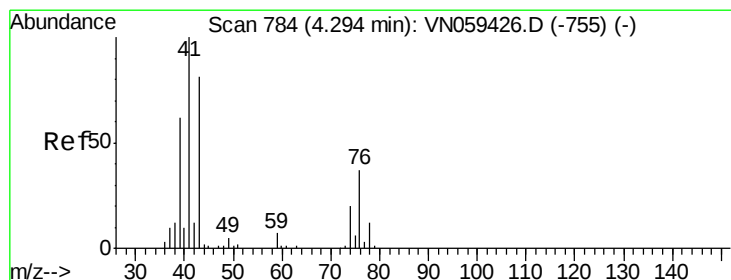
Time-->



Time-->

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#18

Methyl Acetate

Concen: 42.682 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059417.D

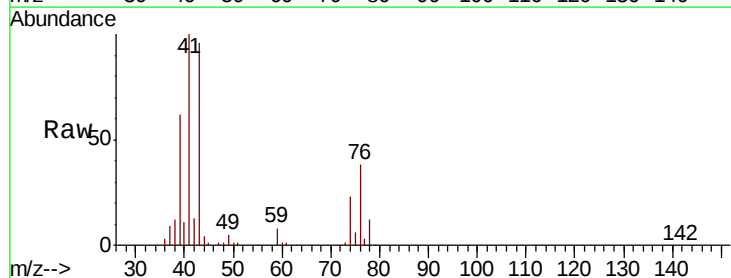
Acq: 27 Nov 2019 10:28

Tgt Ion: 43 Resp: 257323

Ion Ratio Lower Upper

43 100

74 23.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN059417.D (-691) (-)

Ion 74.00 (73.70 to 74.70): VN059417.D (-691) (-)

4.29

100000

80000

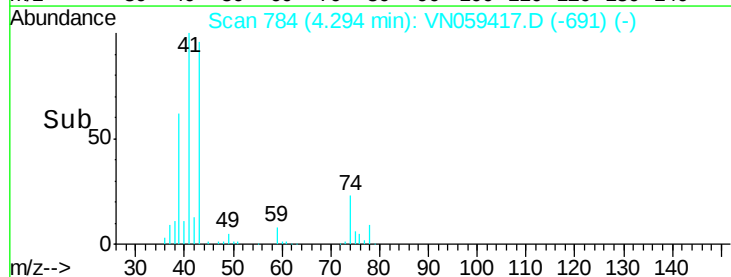
60000

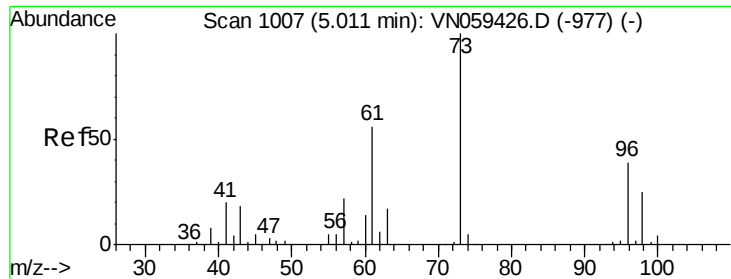
40000

20000

0

Time-->



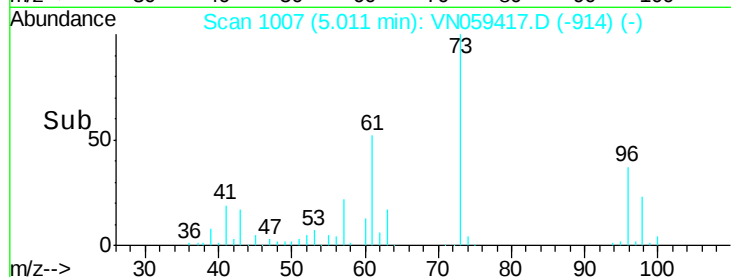
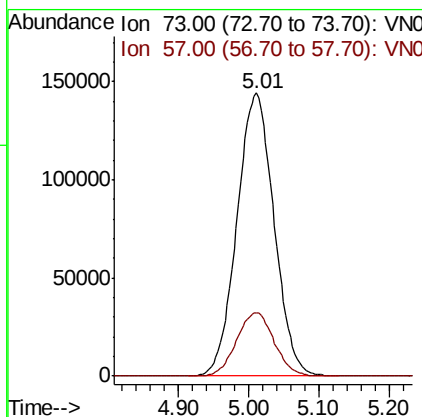
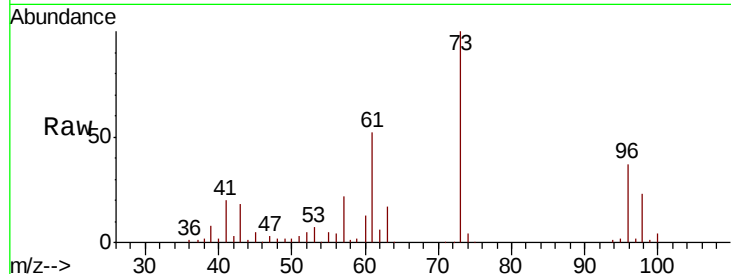


#19
Methvl tert-butvl Ether
Concen: 41.621 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

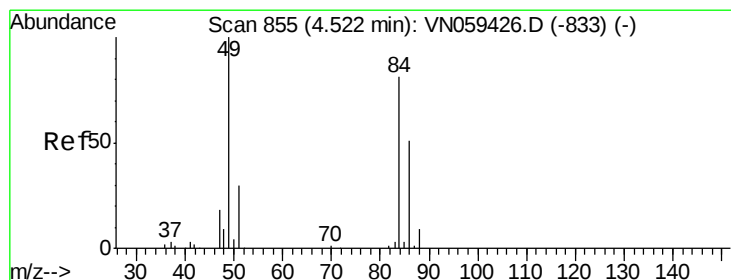
Tot Ion: 73 Resp: 528102
Ion Ratio Lower Upper
73 100
57 22.5 17.7 26.5

Manual Integrations
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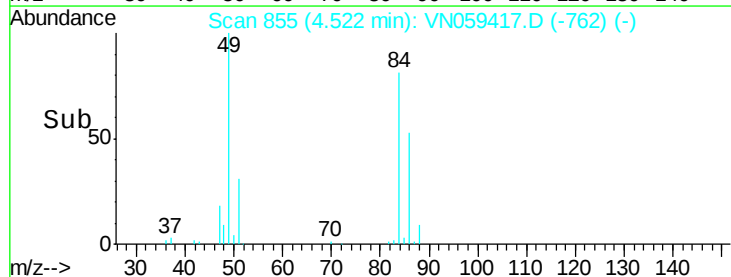
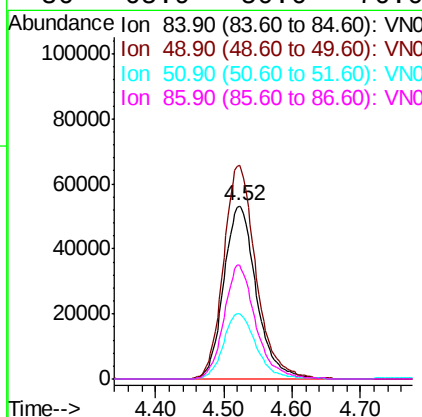
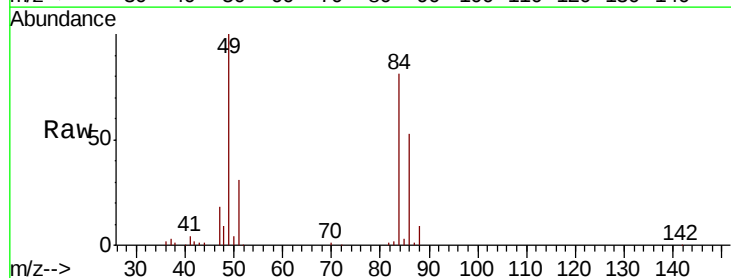
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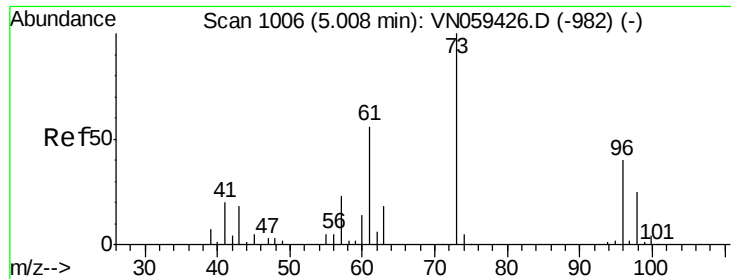
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#20
Methylene Chloride
Concen: 39.335 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 84 Resp: 176947
Ion Ratio Lower Upper
84 100
49 123.2 98.6 148.0
51 37.7 29.4 44.0
86 65.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 39.365 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

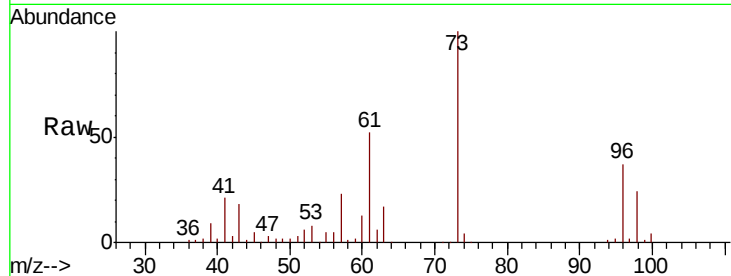
MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	168877
Ion	Ratio	Lower	Upper
96	100		
61	140.2	114.0	171.0
98	63.4	50.5	75.7

Manual Integrations
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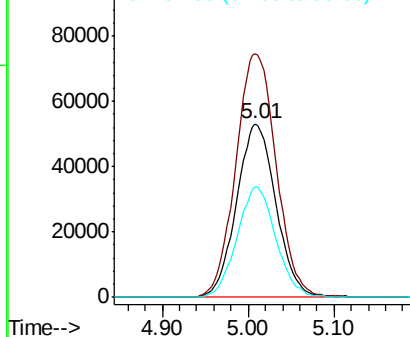


Abundance

Ion 95.90 (95.60 to 96.60): VNO

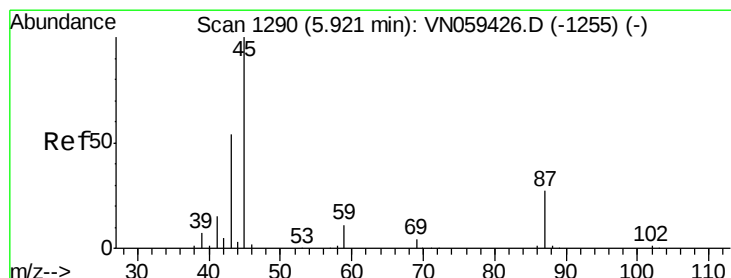
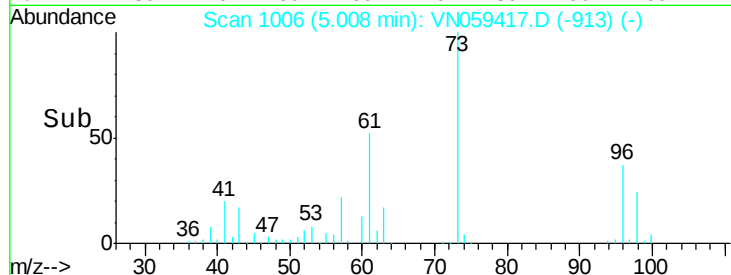
Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



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#22

Diisopropyl ether

Concen: 41.895 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Tgt Ion:	45	Resp:	568551
Ion	Ratio	Lower	Upper
45	100		
43	60.5	46.3	69.5
87	27.0	21.8	32.6
59	11.7	9.0	13.4

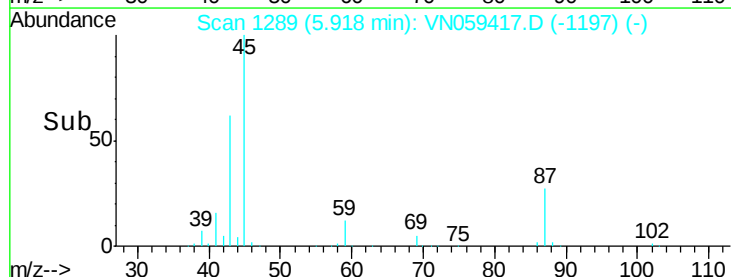
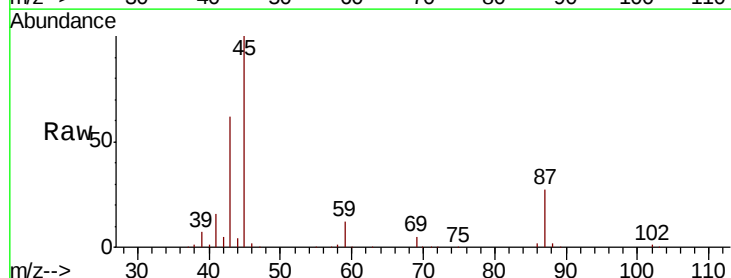
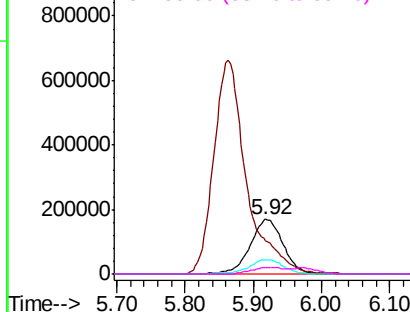
Abundance

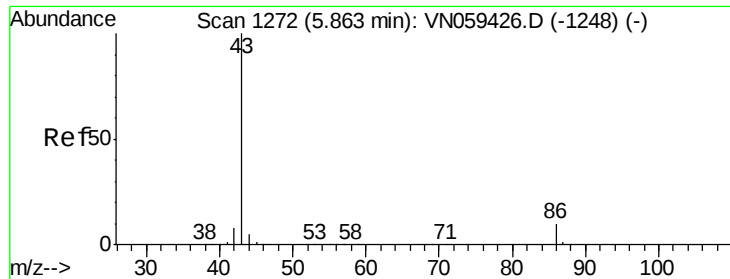
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 202.009 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

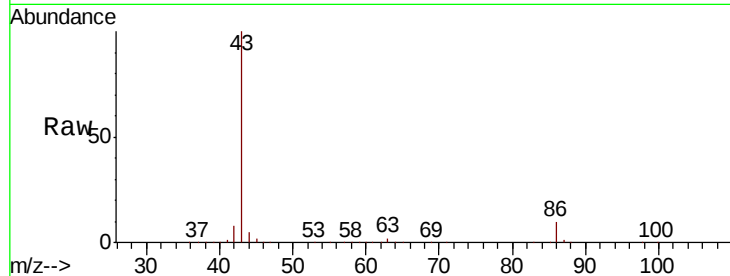
Tot Ion: 43 Resp: 2211677

Ion Ratio Lower Upper

43 100

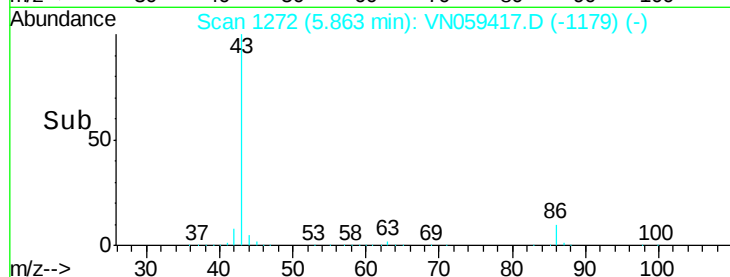
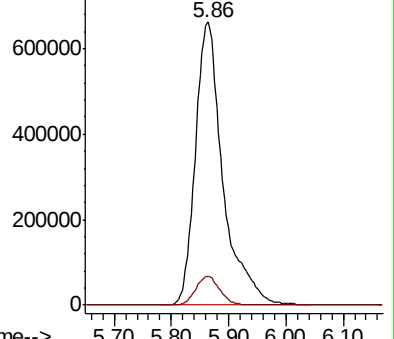
86 10.2 8.2 12.4

Manual Integrations
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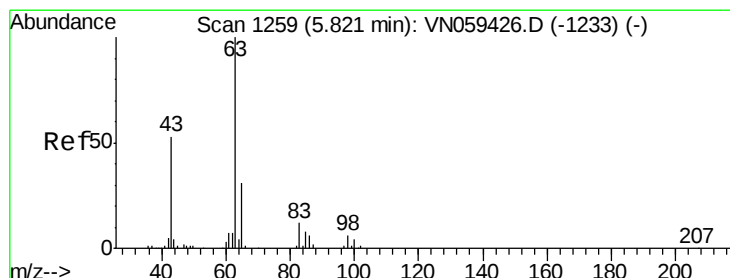
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



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#24

1,1-Dichloroethane

Concen: 41.405 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

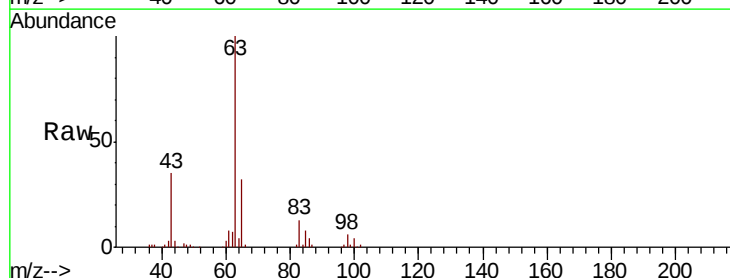
Tgt Ion: 63 Resp: 323292

Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

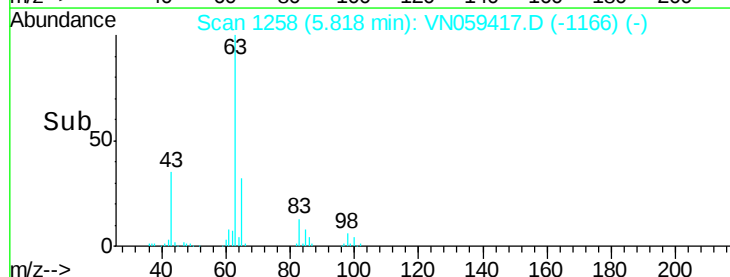
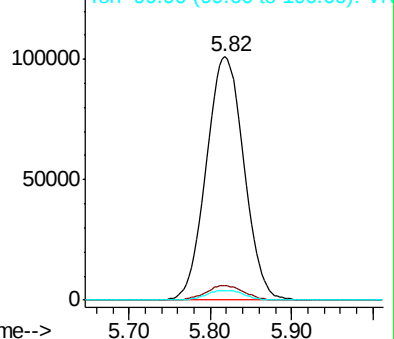
100 3.8 2.1 6.3

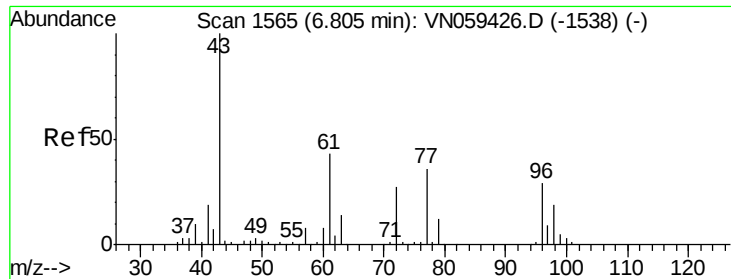


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



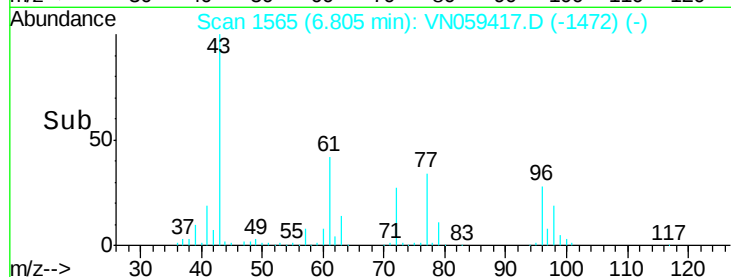
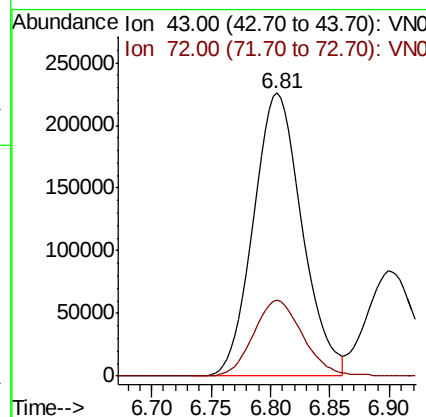
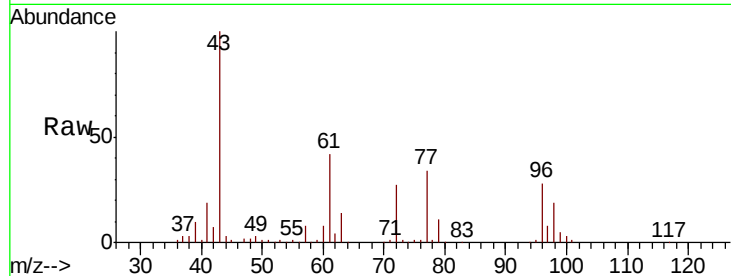


#25
2-Butanone
Concen: 209.566 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

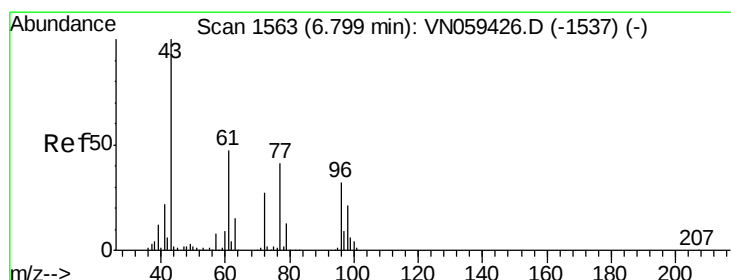
Tot Ion: 43 Resp: 638256
Ion Ratio Lower Upper
43 100
72 26.9 21.4 32.2

Manual Integrations
APPROVED



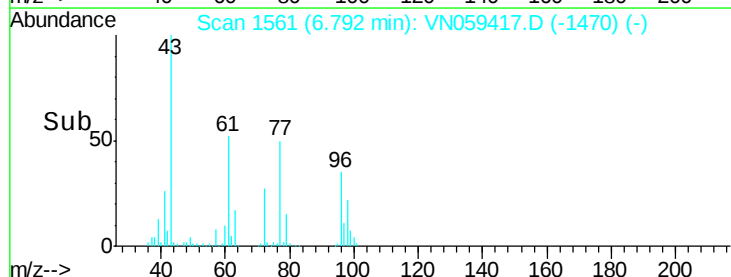
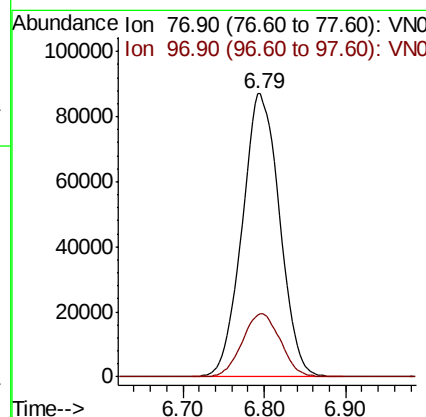
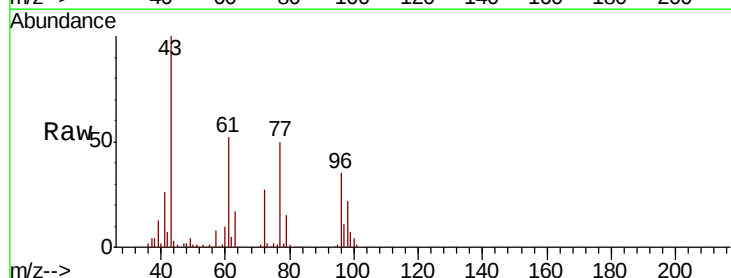
apatel

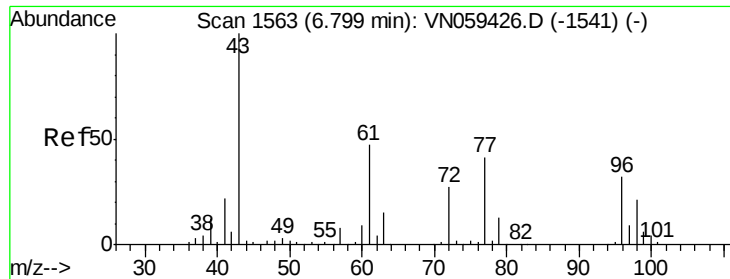
12/2/2019 10:08:37 AM



#26
2,2-Dichloropropane
Concen: 41.609 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 77 Resp: 276489
Ion Ratio Lower Upper
77 100
97 22.7 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 40.958 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

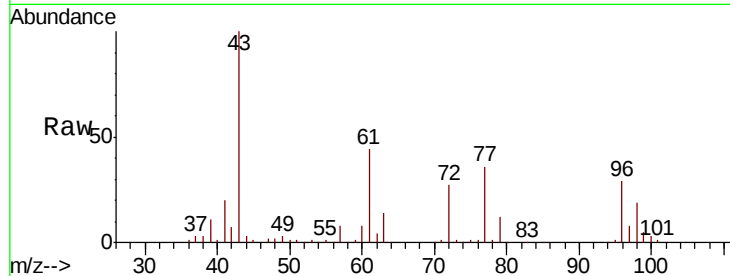
MSVOA_N

ClientSampled :

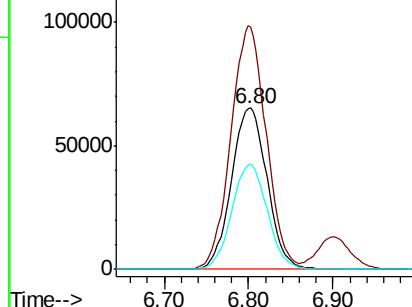
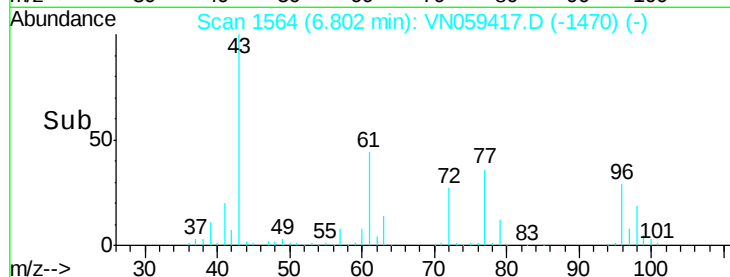
VSTDCCC050

Tot Ion:	96	Resp:	192170
Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	297.6
98	64.9	0.0	130.8

Manual Integrations
APPROVED

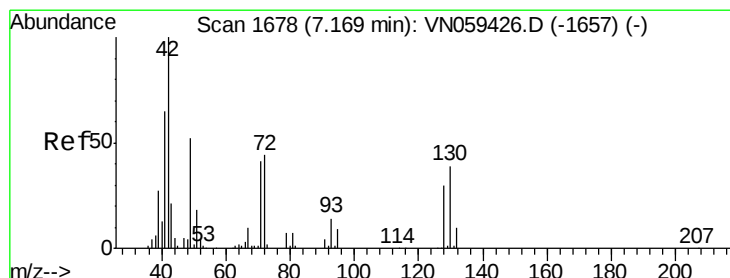


Abundance Ion 95.90 (95.60 to 96.60): VN059417.D (-1470) (-)



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#28

Bromochloromethane

Concen: 39.651 ug/l

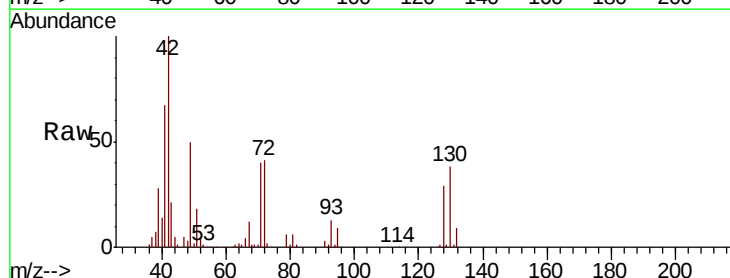
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

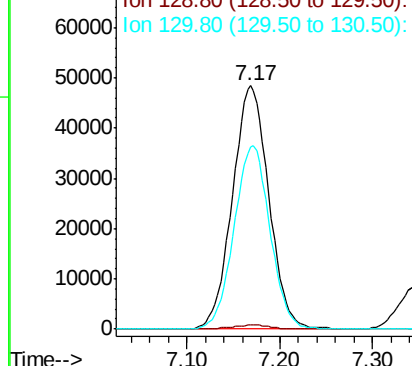
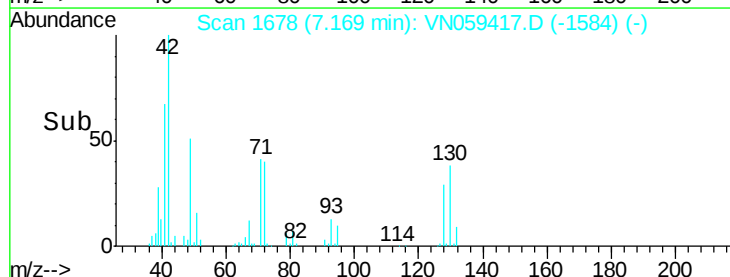
Lab File: VN059417.D

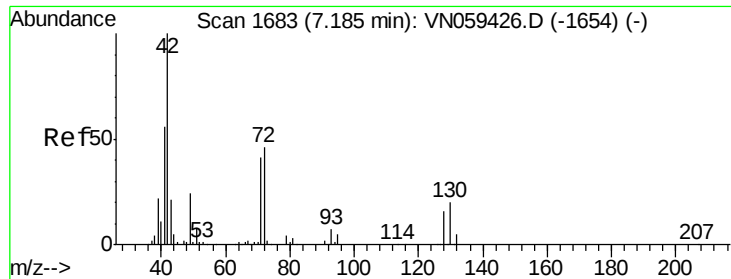
Acq: 27 Nov 2019 10:28

Tgt Ion:	49	Resp:	131555
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	74.5	60.5	90.7



Abundance Ion 48.90 (48.60 to 49.60): VN059417.D (-1584) (-)



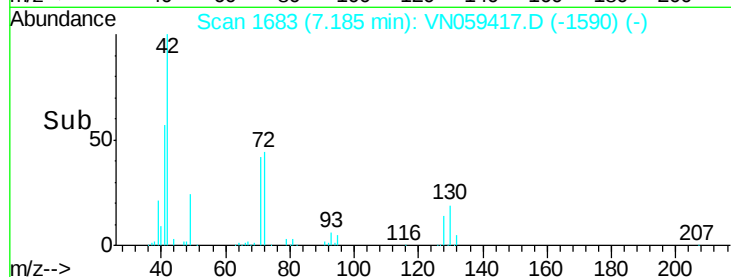
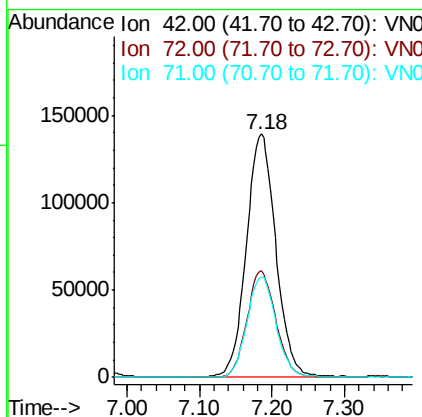
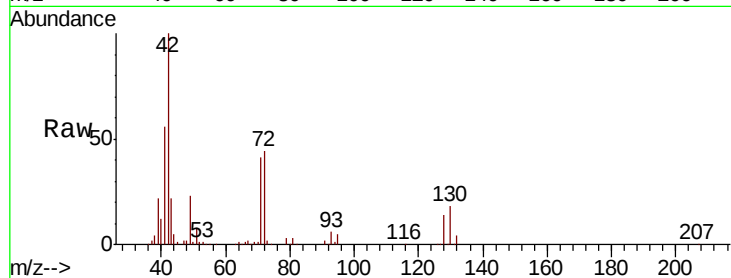


#29
Tetrahydrofuran
Concen: 194.989 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

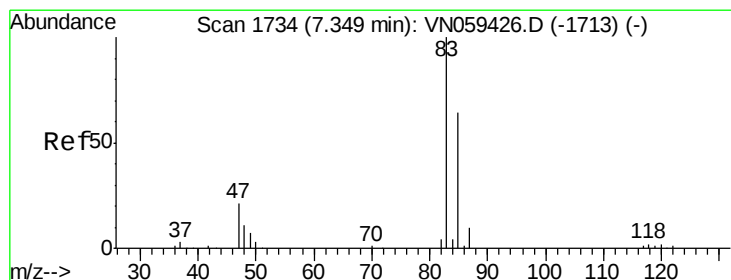
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.6	51.8
71	40.8	33.0	49.6

Manual Integrations
APPROVED



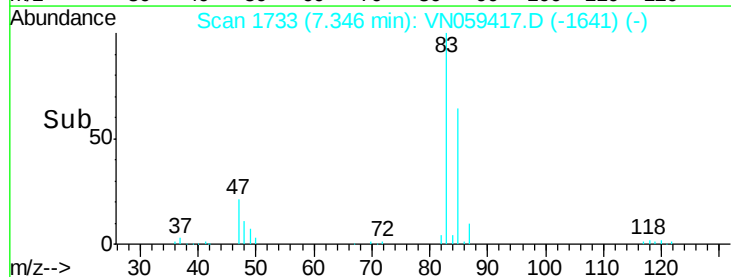
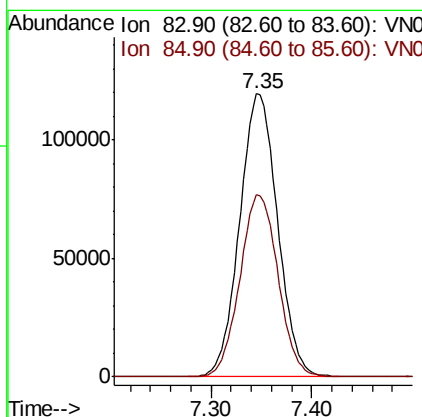
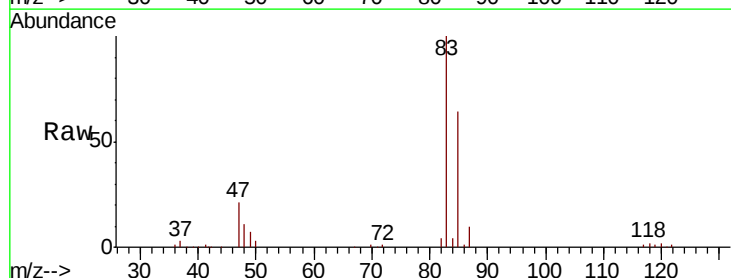
apatel

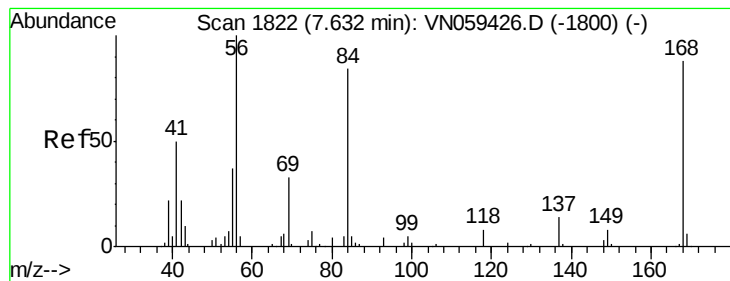
12/2/2019 10:08:37 AM



#30
Chloroform
Concen: 39.675 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.6	77.4





#31

Cyclohexane

Concen: 36.981 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

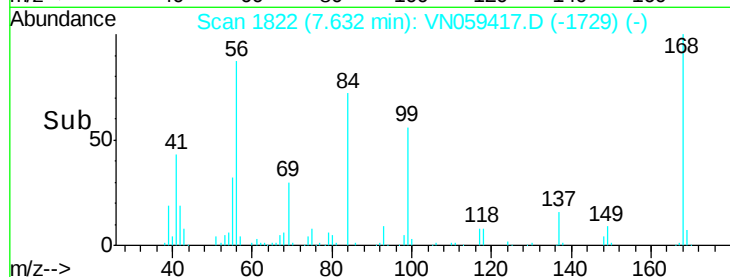
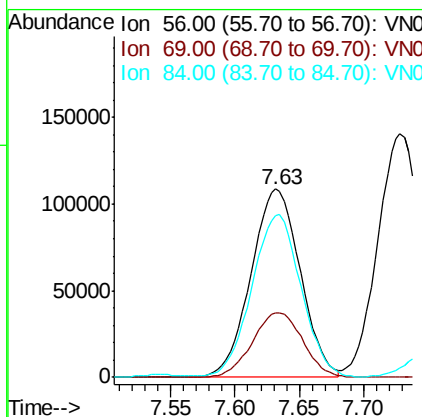
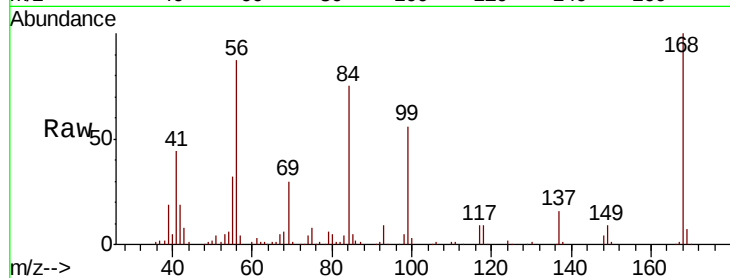
MSVOA_N

ClientSampleId :

VSTDCCC050

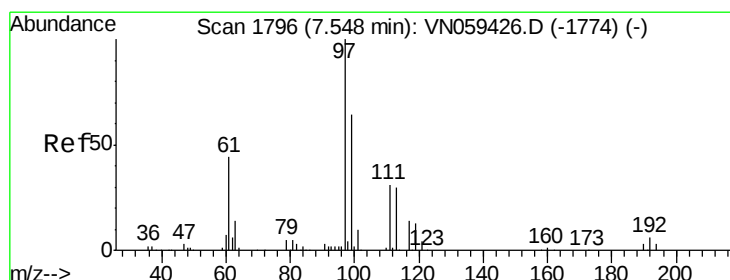
Tot Ion:	56	Resp:	289470
Ion Ratio	Lower	Upper	
56	100		
69	34.3	26.4	39.6
84	85.3	67.0	100.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 41.066 ug/l

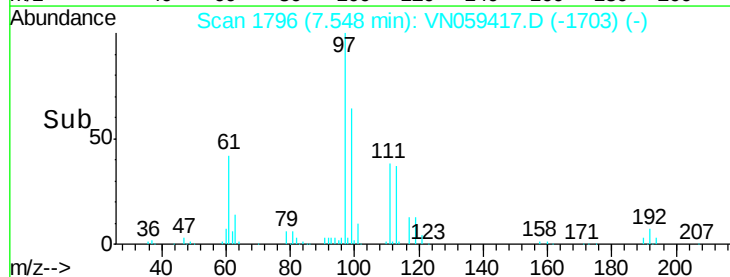
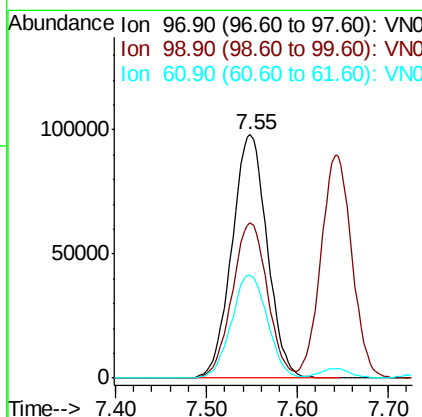
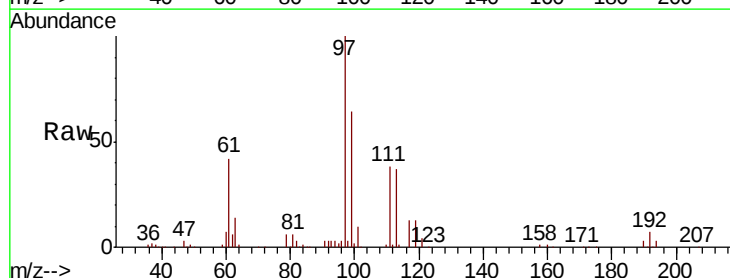
RT: 7.55 min Scan# 1796

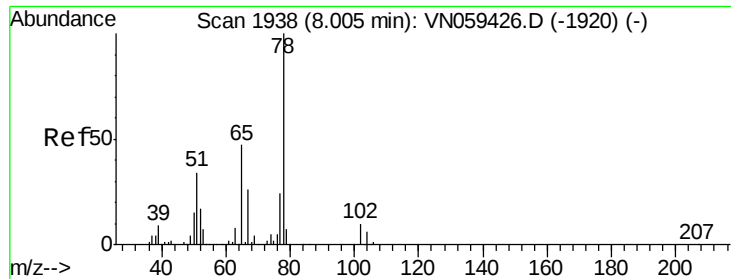
Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Tgt Ion:	97	Resp:	263867
Ion Ratio	Lower	Upper	
97	100		
99	63.7	50.9	76.3
61	43.3	34.3	51.5



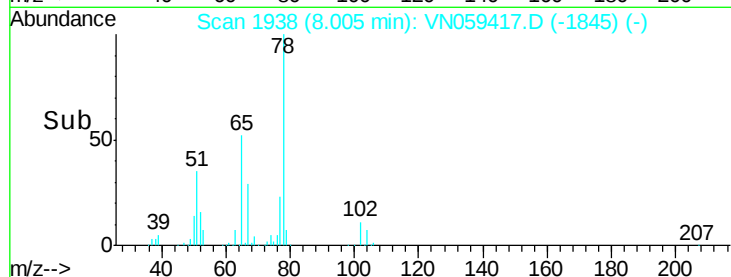
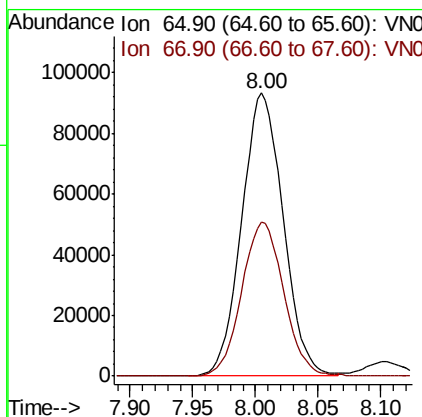
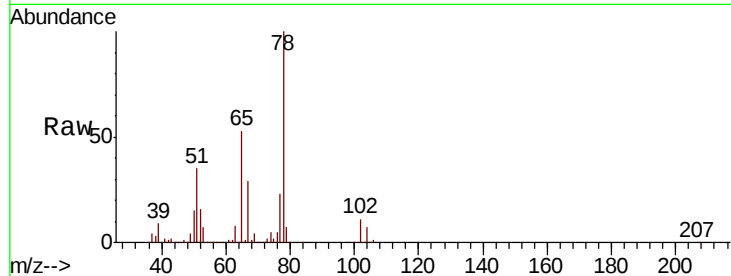


#33
 1,2-Dichloroethane-d4
 Concen: 46.258 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

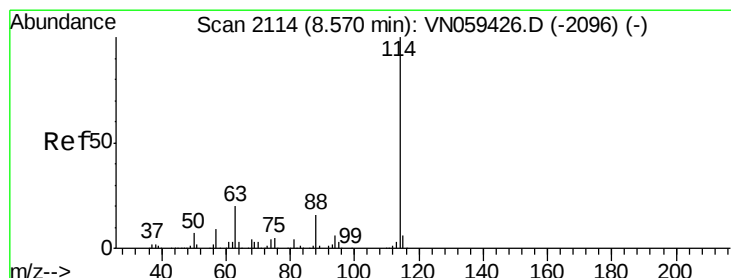
Tot Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	111.2

Manual Integrations
 APPROVED



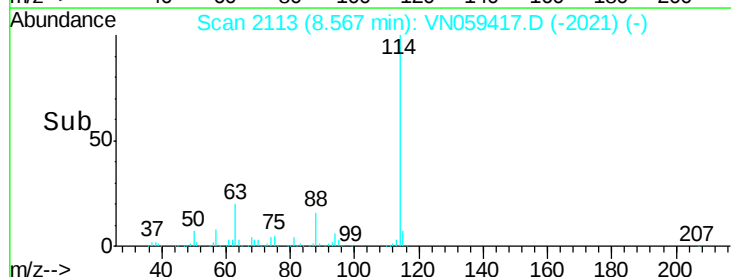
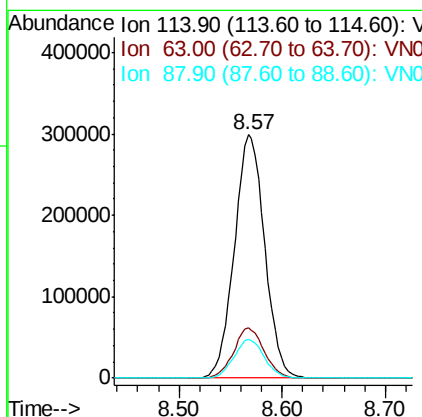
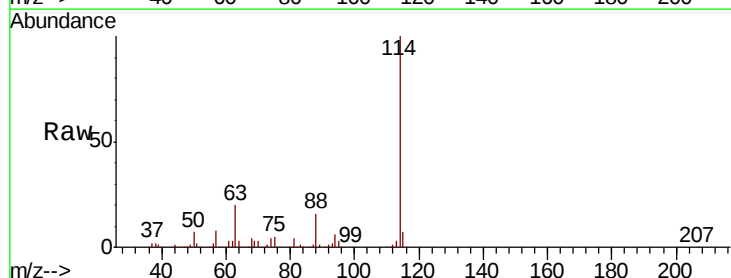
apatel

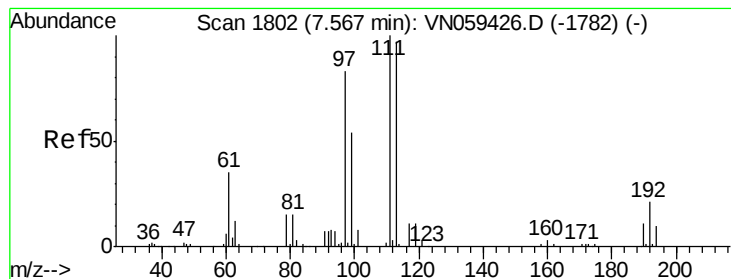
12/2/2019 10:08:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.4
88	15.9	0.0	32.2





#35

Dibromofluoromethane

Concen: 48.531 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

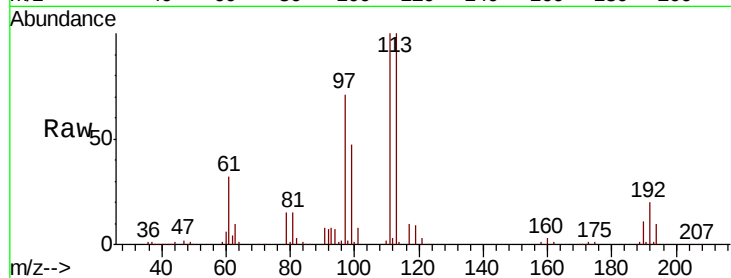
MSVOA_N

ClientSampled :

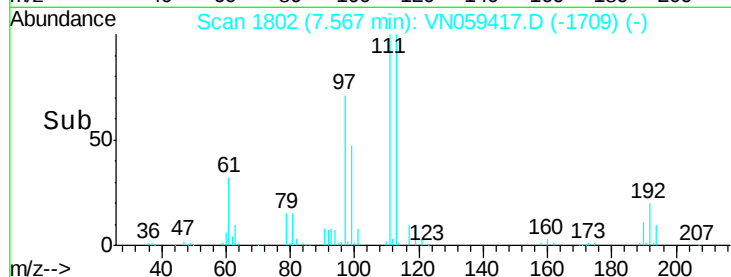
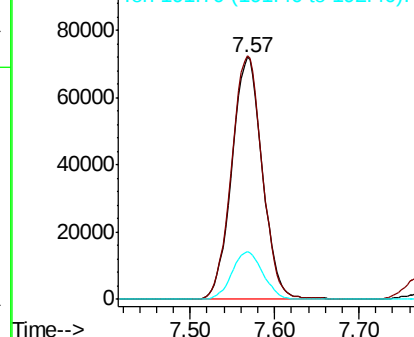
VSTDCCC050

Tot Ion:	113	Resp:	180846
Ion Ratio	Lower	Upper	
113	100		
111	100.9	81.9	122.9
192	20.0	16.6	24.8

Manual Integrations
APPROVED

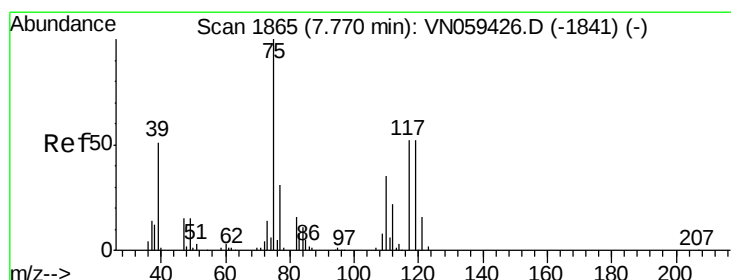


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



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#36

1,1-Dichloropropene

Concen: 40.560 ug/l

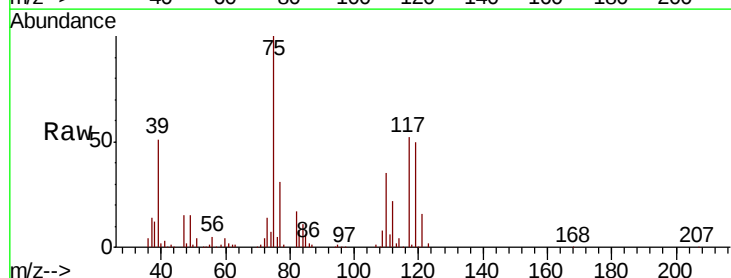
RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

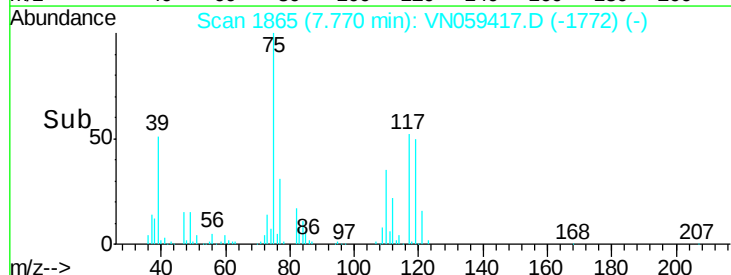
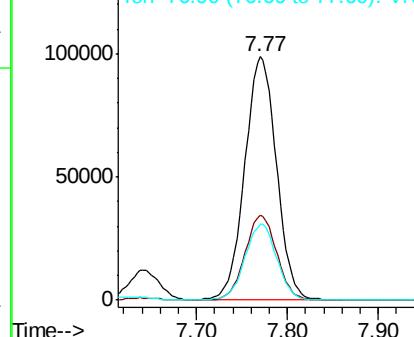
Lab File: VN059417.D

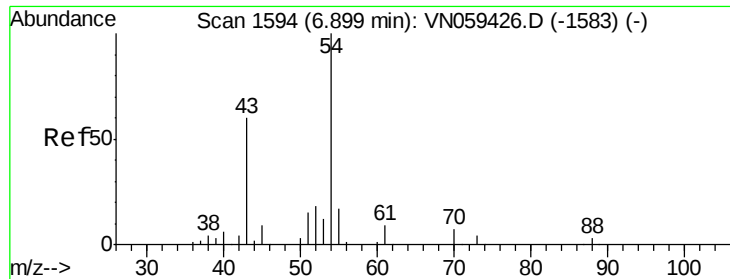
Acq: 27 Nov 2019 10:28

Tgt Ion:	75	Resp:	238618
Ion Ratio	Lower	Upper	
75	100		
110	34.8	17.3	52.0
77	31.6	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V



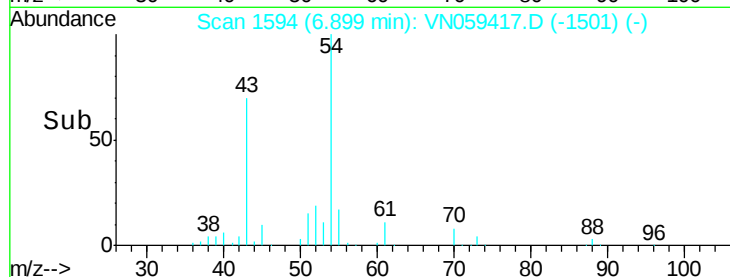
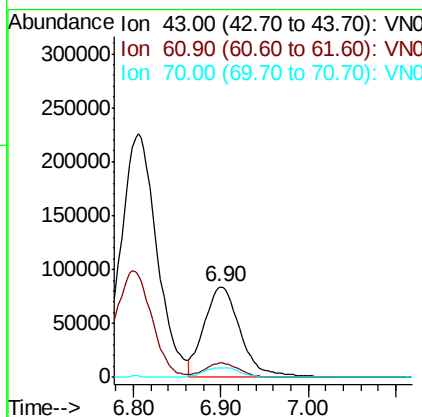
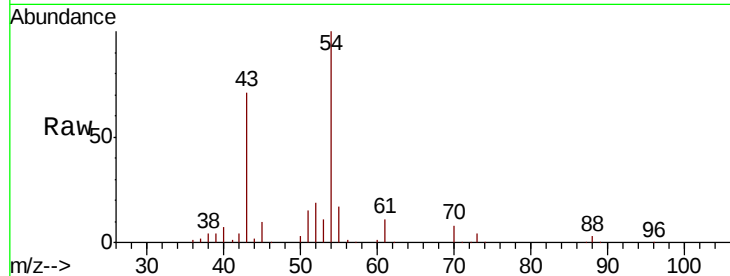


#37
Ethyl Acetate
Concen: 38.285 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

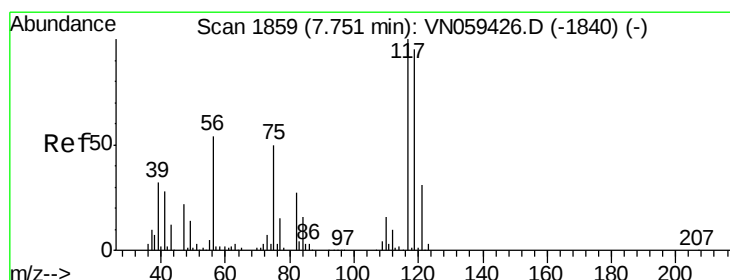
Tot Ion	43	Resp	238299
Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.2	18.2
70	11.0	8.8	13.2

Manual Integrations
APPROVED



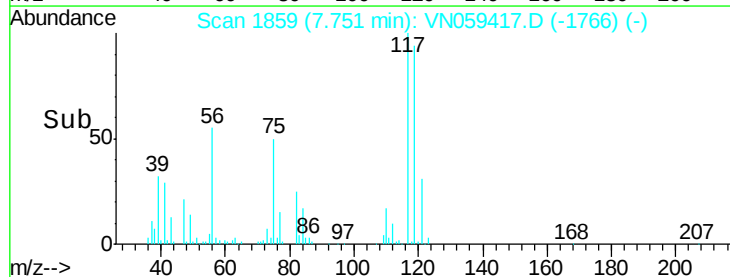
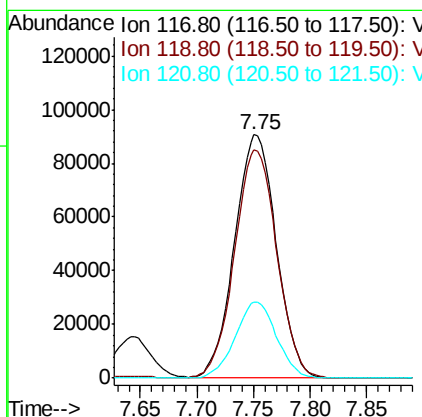
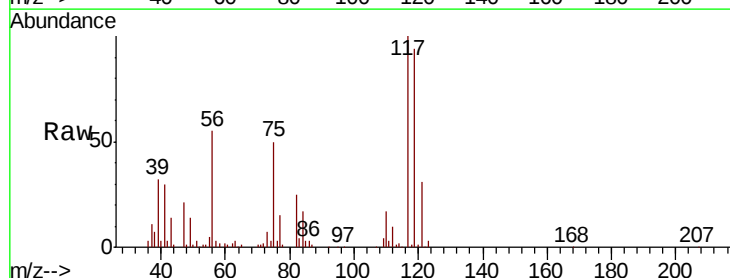
apatel

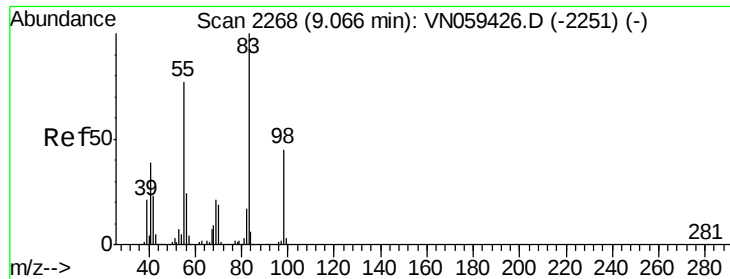
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#38
Carbon Tetrachloride
Concen: 41.948 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	117	Resp	232902
Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.9	113.9
121	31.4	24.6	36.8



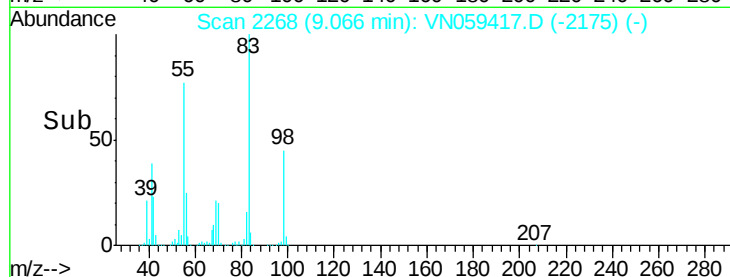
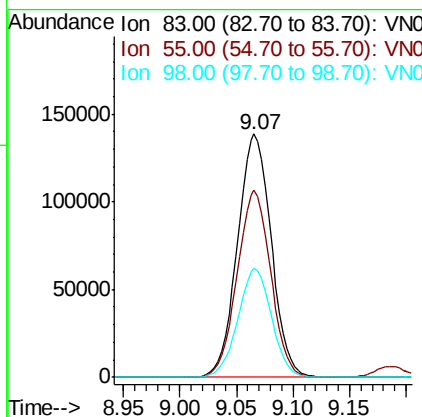
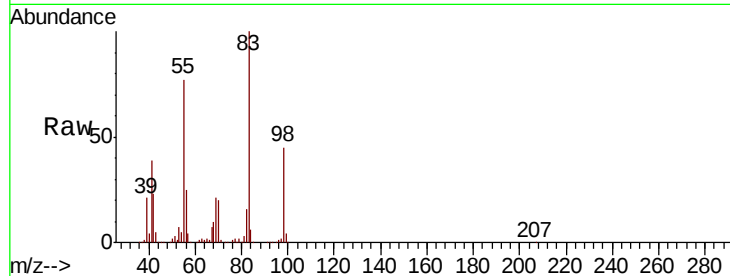


#39
Methvlcvclohexane
Concen: 41.001 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

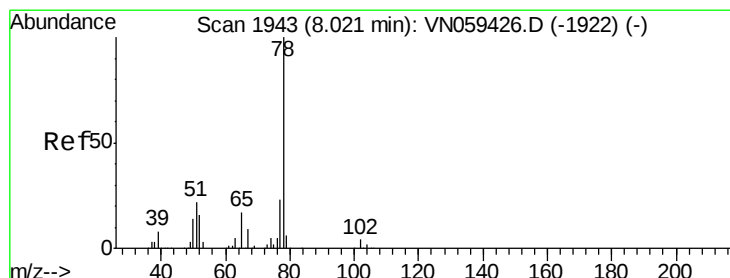
Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	61.6	92.4
98	44.9	35.7	53.5

Manual Integrations
APPROVED



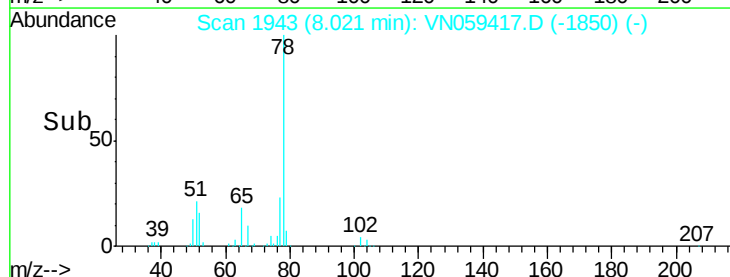
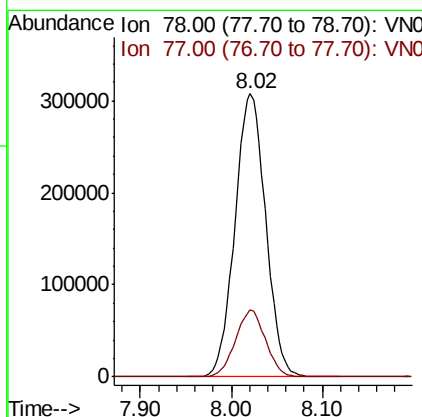
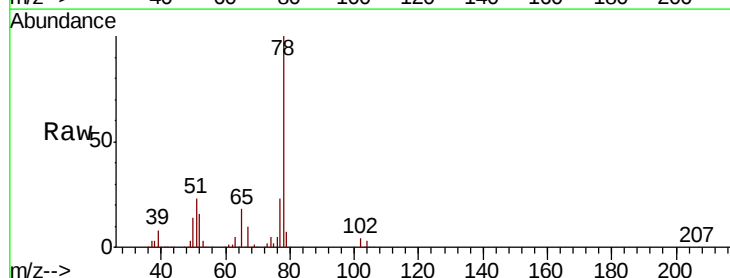
apatel

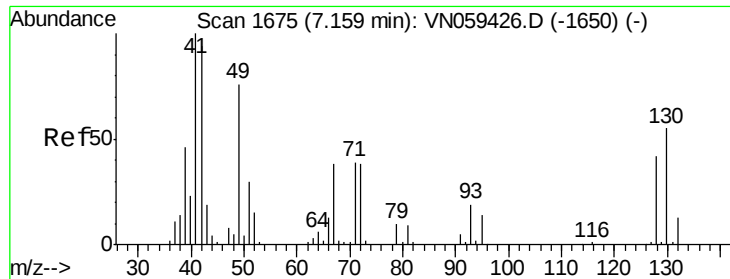
12/2/2019 10:08:37 AM



#40
Benzene
Concen: 41.359 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.3	27.5



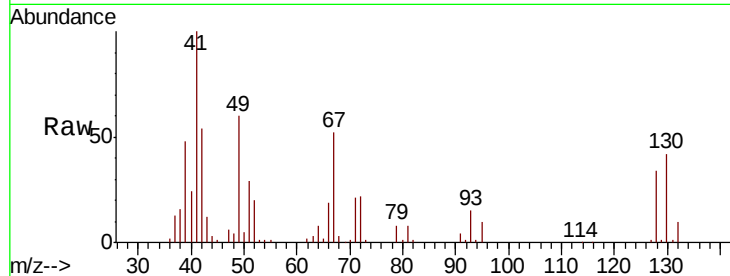


#41
Methacrylonitrile
Concen: 37.994 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

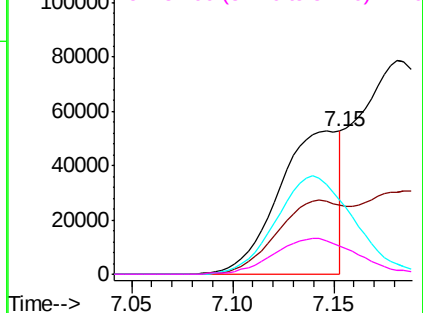
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	110121		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

Manual Integrations
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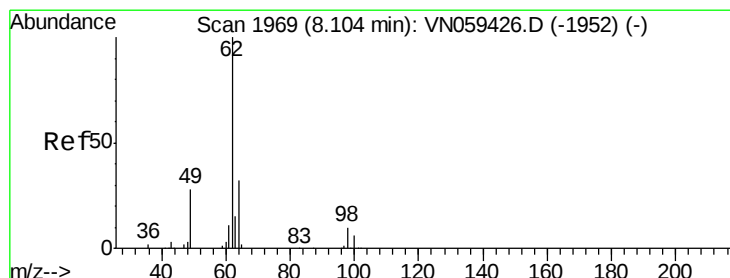
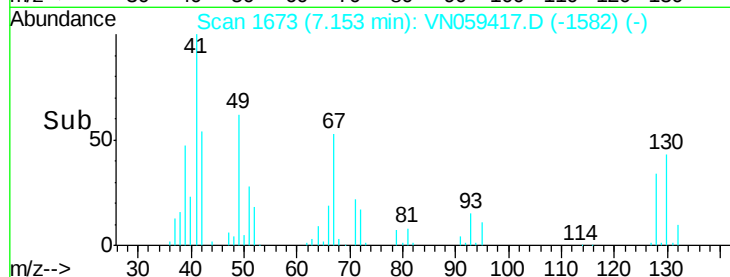


Abundance Ion 41.00 (40.70 to 41.70): VNO
120000 Ion 39.00 (38.70 to 39.70): VNO
100000 Ion 67.00 (66.70 to 67.70): VNO
80000 Ion 52.00 (51.70 to 52.70): VNO



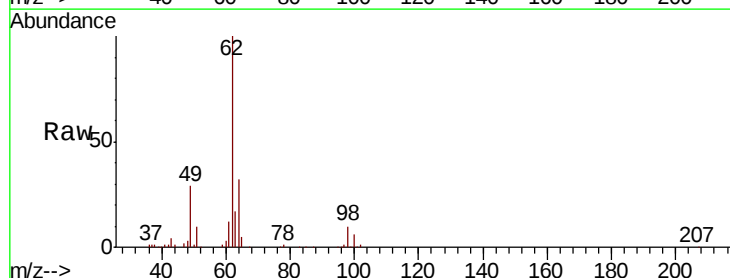
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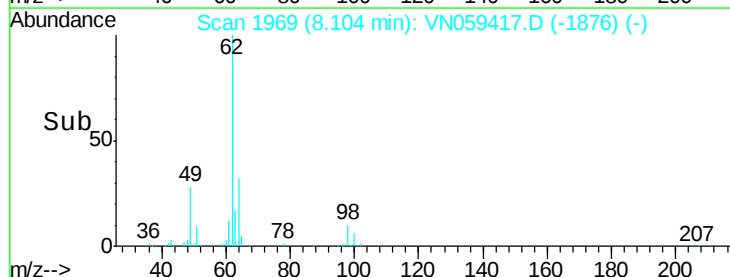
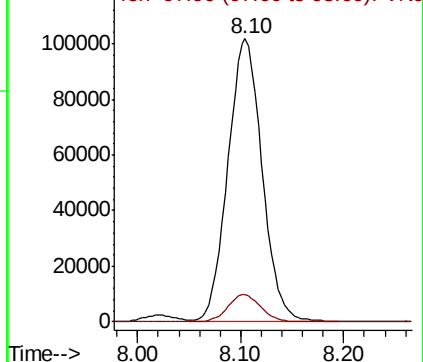


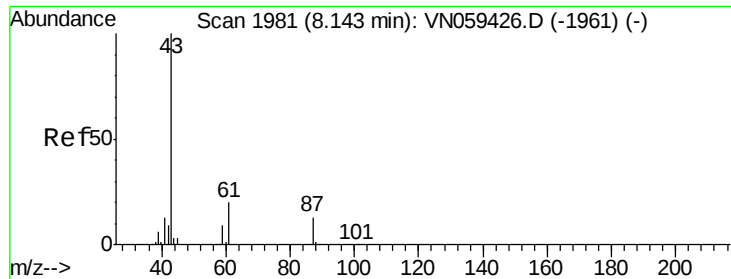
#42
1,2-Dichloroethane
Concen: 42.377 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	234720		
98	9.4	0.0	19.0	



Abundance Ion 61.90 (61.60 to 62.60): VNO
120000 Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 40.665 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

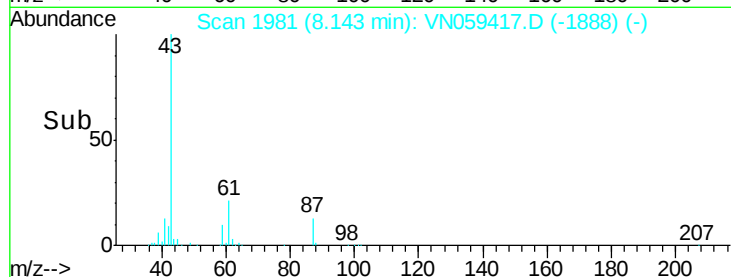
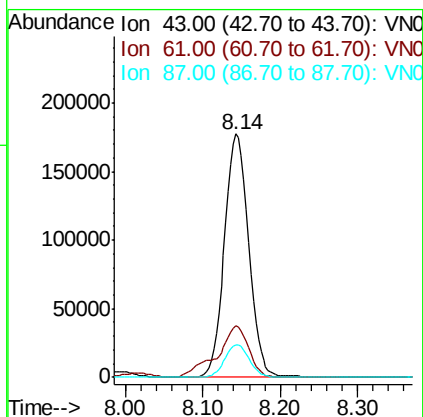
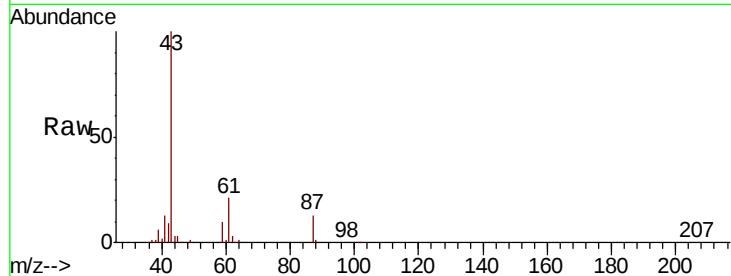
MSVOA_N

ClientSampleId :

VSTDCCC050

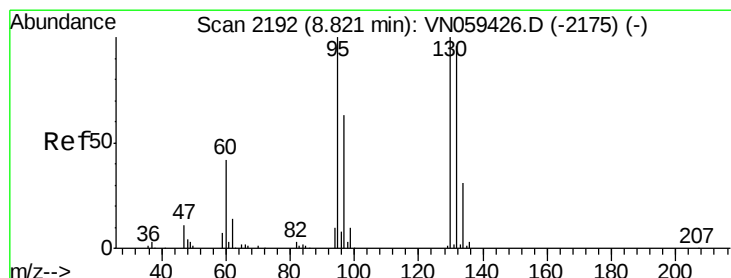
Tot Ion:	43	Resp:	384521
Ion	Ratio	Lower	Upper
43	100		
61	27.5	22.2	33.2
87	13.6	10.7	16.1

Manual Integrations
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#44

Trichloroethene

Concen: 41.097 ug/l

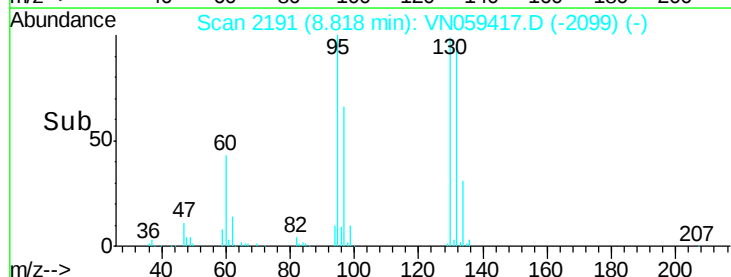
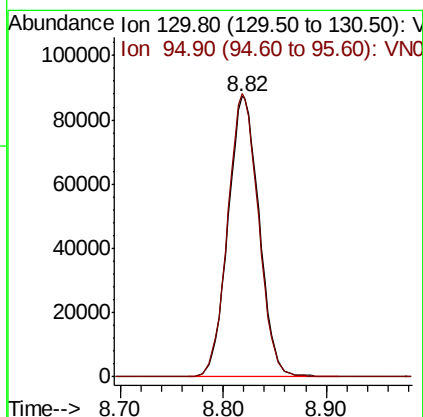
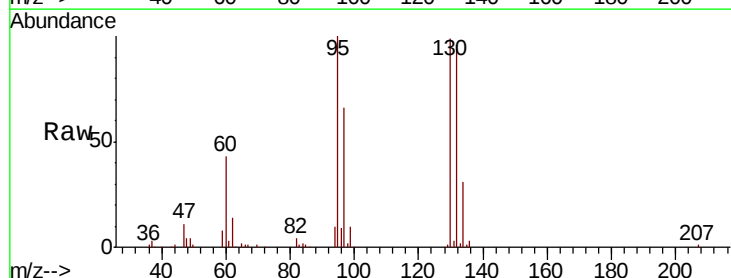
RT: 8.82 min Scan# 2191

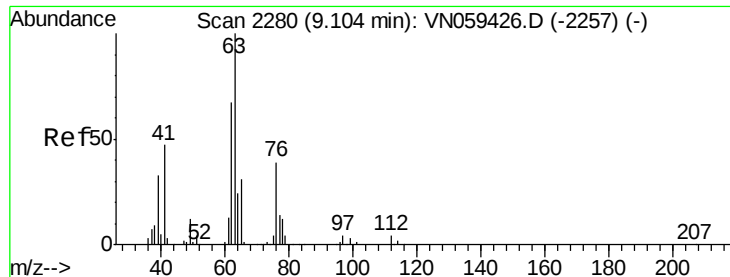
Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Tgt Ion:	130	Resp:	183043
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	199.6



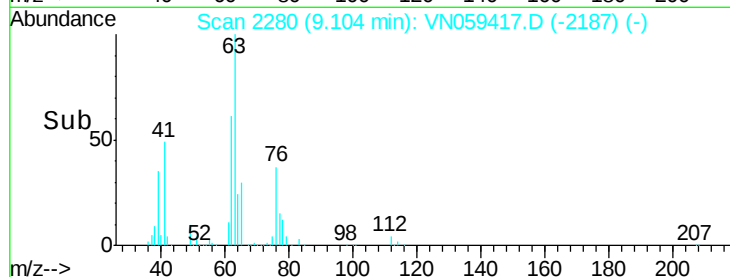
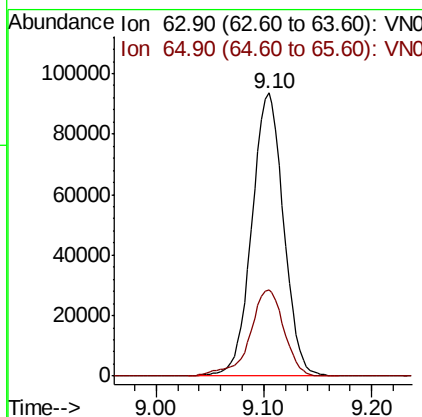
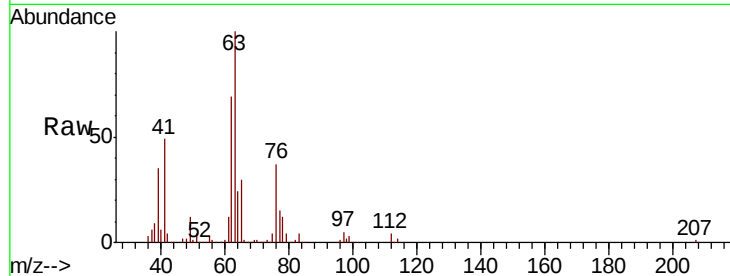


#45
 1,2-Dichloropropane
 Concen: 41.833 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

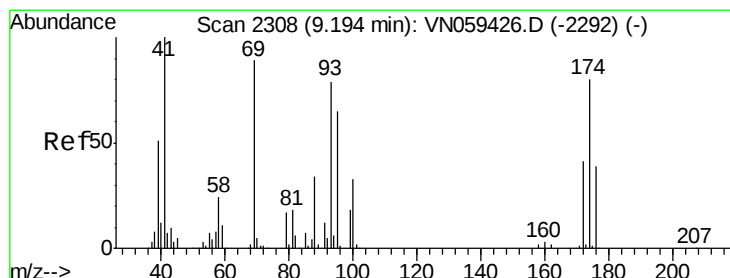
Tot Ion	63	Resp	191138
Ion Ratio	Lower	Upper	
63	100		
65	30.5	24.6	36.8

Manual Integrations
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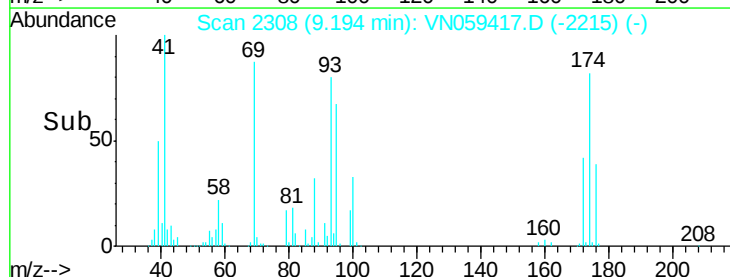
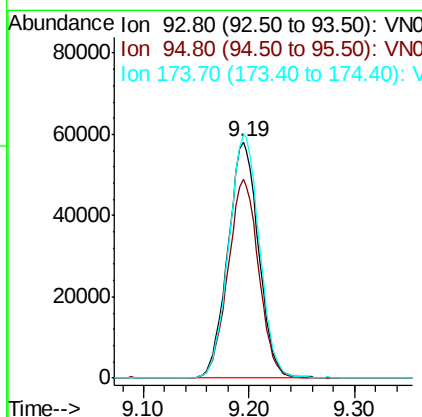
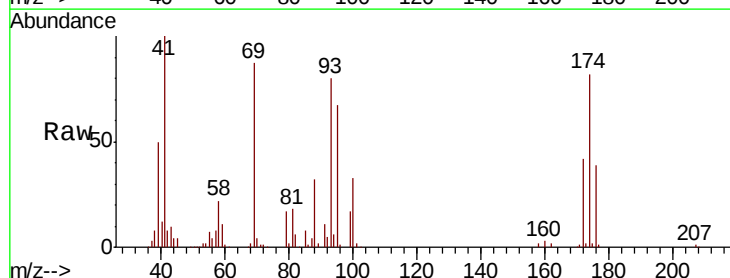
apatel

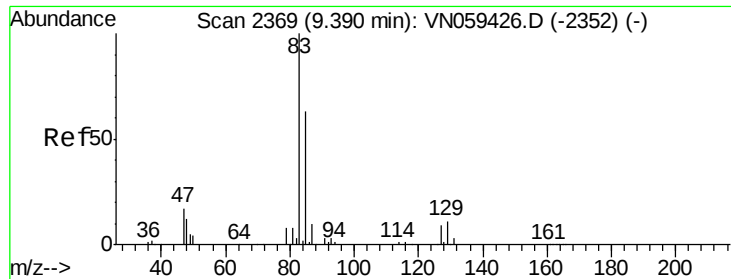
12/2/2019 10:08:37 AM



#46
 Dibromomethane
 Concen: 41.522 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion	93	Resp	117074
Ion Ratio	Lower	Upper	
93	100		
95	84.0	66.2	99.4
174	103.1	81.8	122.8



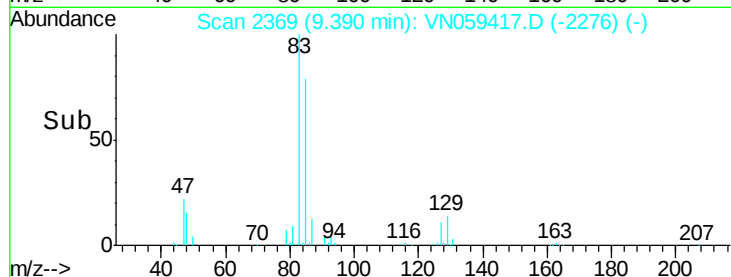
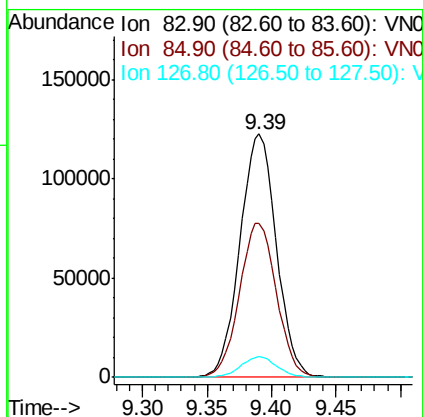
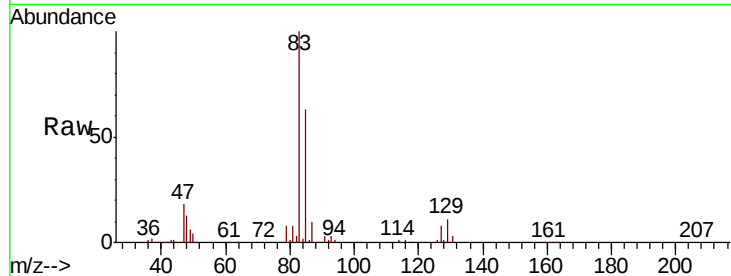


#47
Bromodichloromethane
Concen: 42.265 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

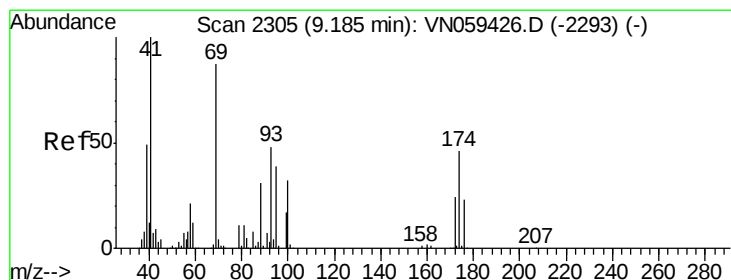
Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	75.8
127	8.4	6.8	10.2

Manual Integrations
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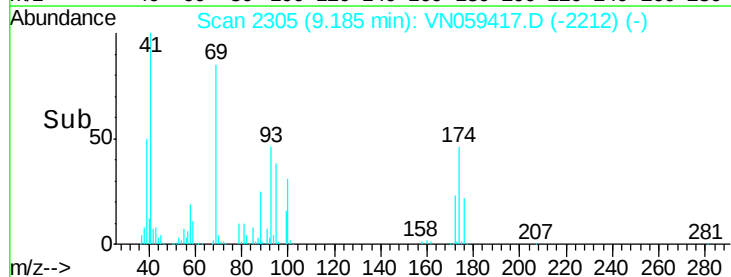
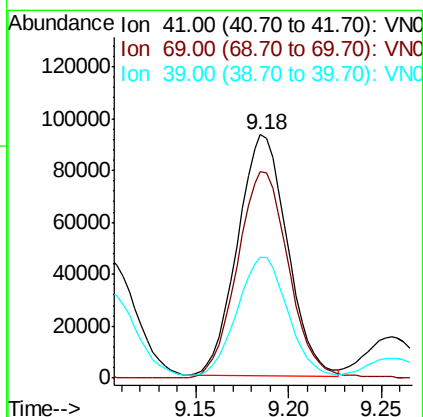
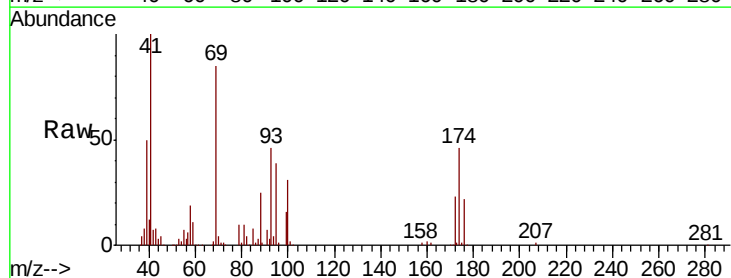
apatel

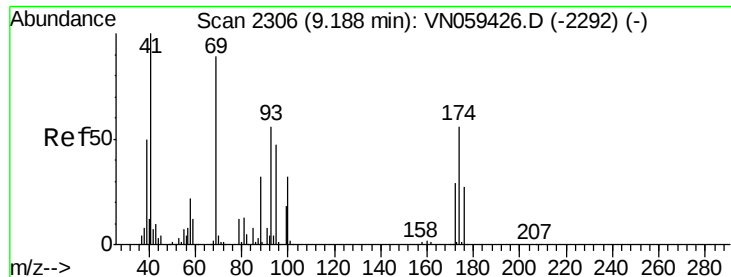
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#48
Methyl methacrylate
Concen: 41.228 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.1	71.6	107.4
39	51.5	41.3	61.9



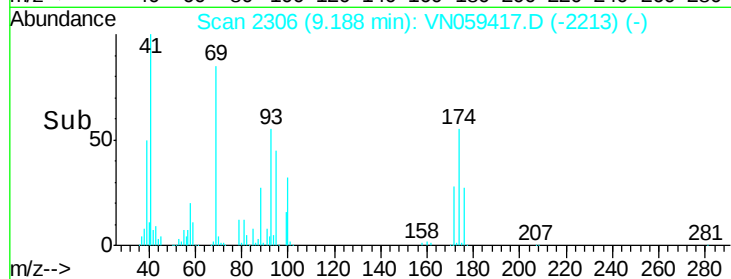
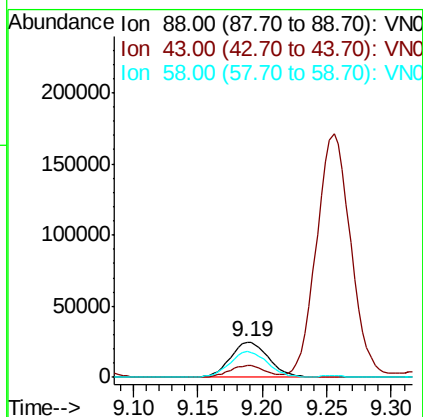
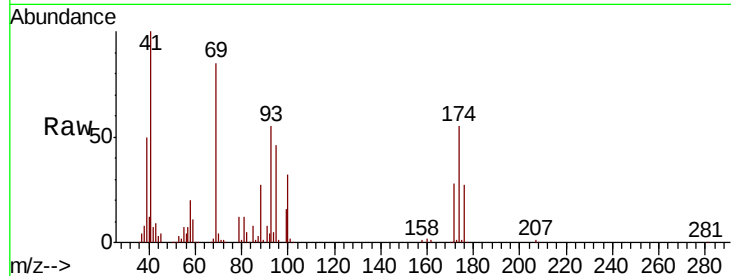


#49
1,4-Dioxane
Concen: 843.902 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

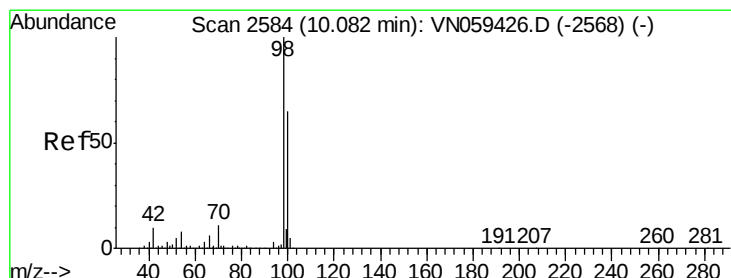
Tot Ion	88	Resp	51706
Ion Ratio	Lower	Upper	
88	100		
43	29.6	23.7	35.5
58	71.7	56.3	84.5

Manual Integrations
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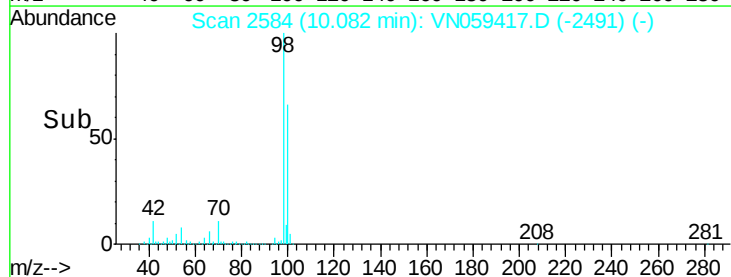
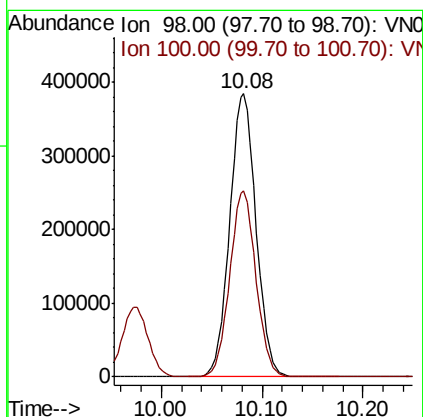
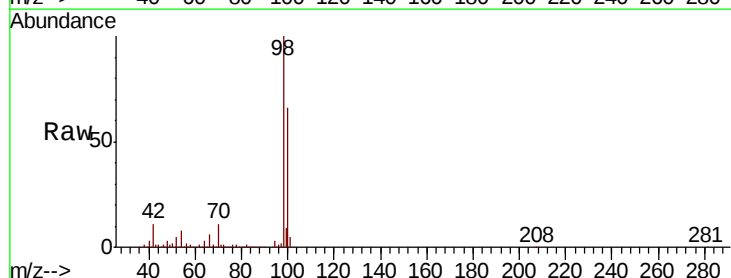
apatel

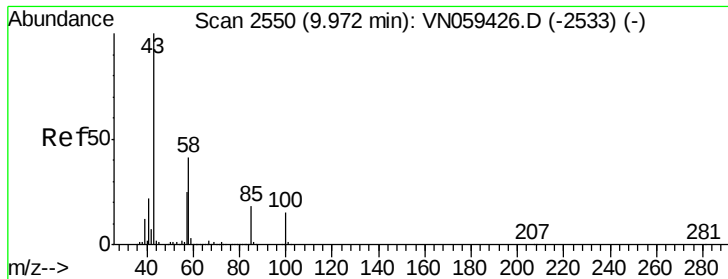
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#50
Toluene-d8
Concen: 47.087 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	98	Resp	699140
Ion Ratio	Lower	Upper	
98	100		
100	65.3	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 213.068 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

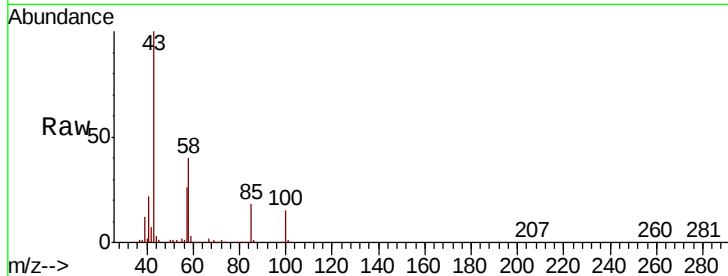
Tot Ion: 43 Resp: 1168628

Ion Ratio Lower Upper

43 100

58 40.4 32.5 48.7

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN059417.D (-2457) (-)

Ion 58.00 (57.70 to 58.70): VN059417.D (-2457) (-)

9.97

600000

400000

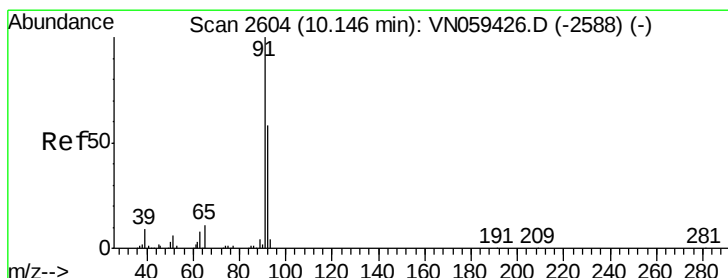
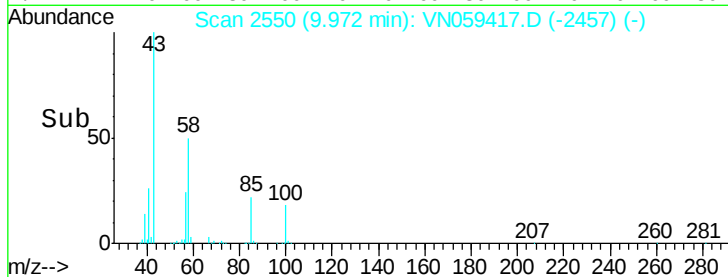
200000

0

Time-->

apatel

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#52

Toluene

Concen: 41.672 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059417.D

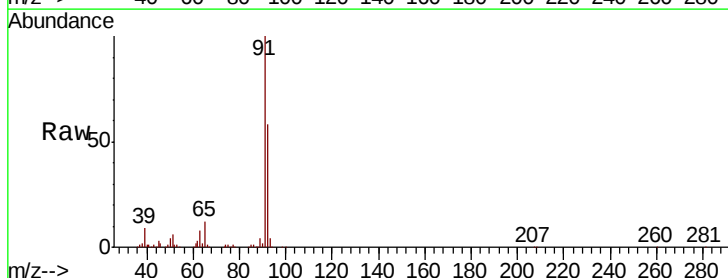
Acq: 27 Nov 2019 10:28

Tgt Ion: 92 Resp: 434883

Ion Ratio Lower Upper

92 100

91 172.5 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN059417.D (-2511) (-)

Ion 91.00 (90.70 to 91.70): VN059417.D (-2511) (-)

10.15

500000

400000

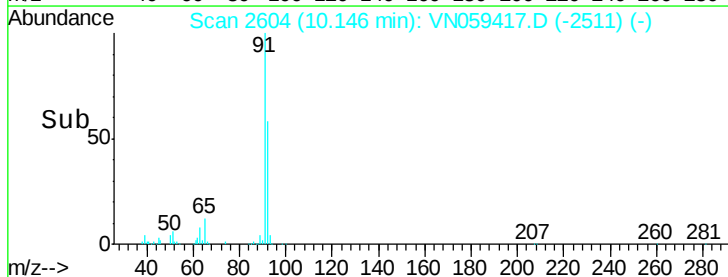
300000

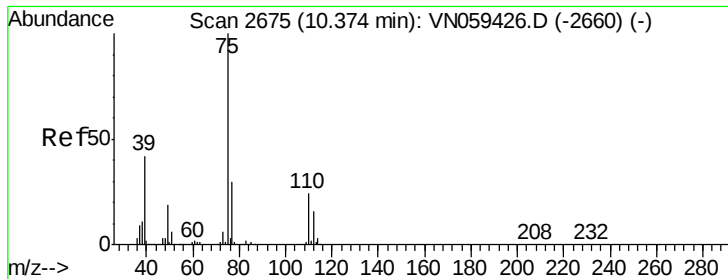
200000

100000

0

Time-->



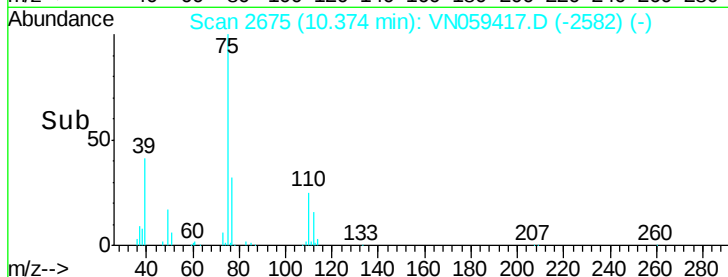
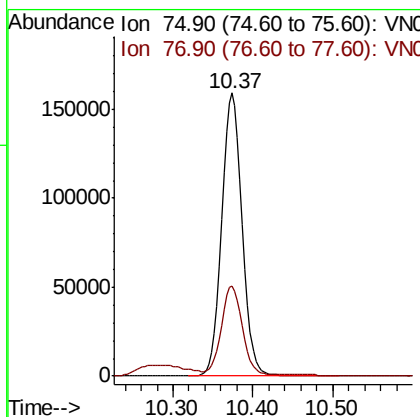
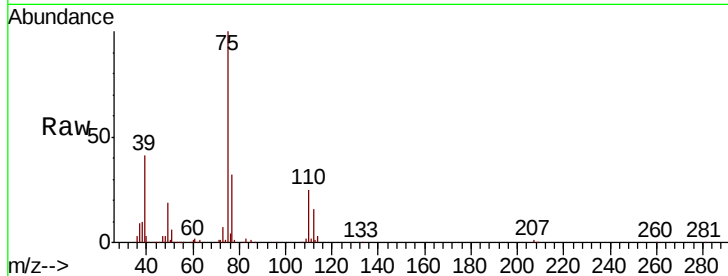


#53
t-1,3-Dichloropropene
Concen: 42.828 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

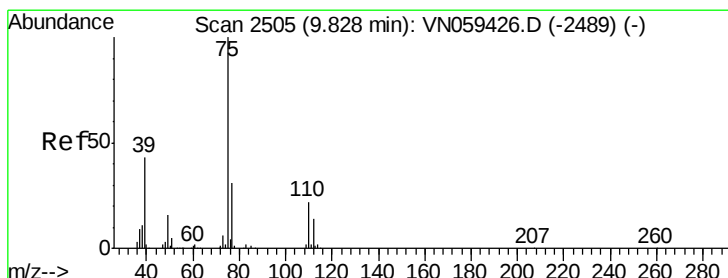
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3

Manual Integrations
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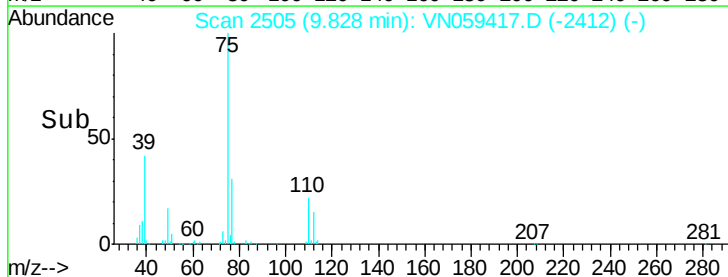
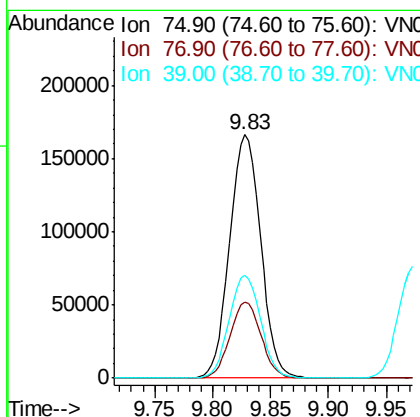
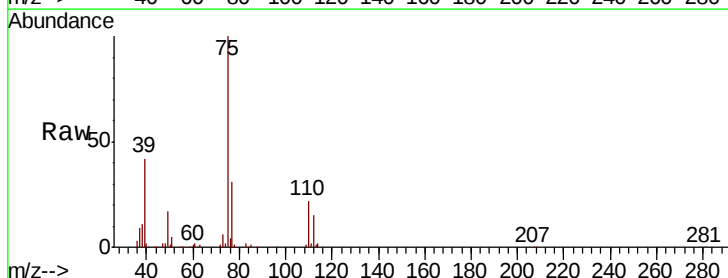
apatel

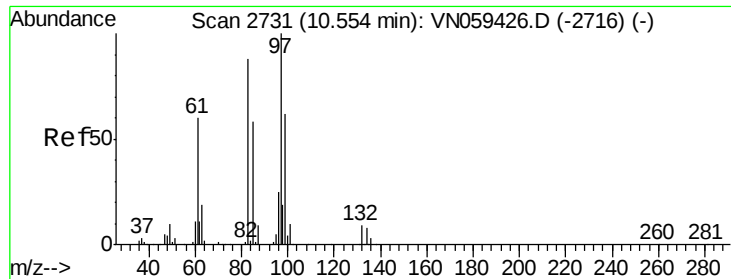
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#54
cis-1,3-Dichloropropene
Concen: 43.545 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	42.5	34.0	51.0



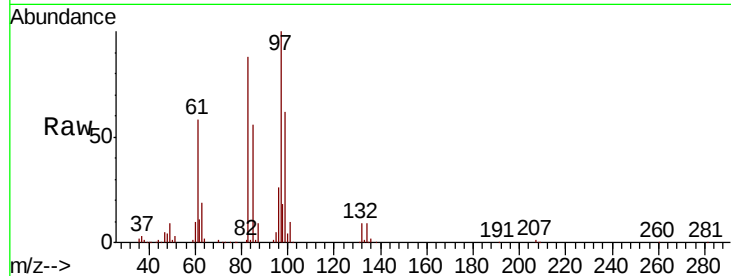


#55
 1,1,2-Trichloroethane
 Concen: 42.317 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

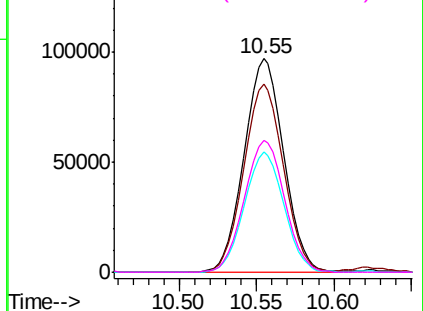
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	172851
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.7	106.1
85	56.4	46.4	69.6
99	61.5	49.6	74.4

Manual Integrations
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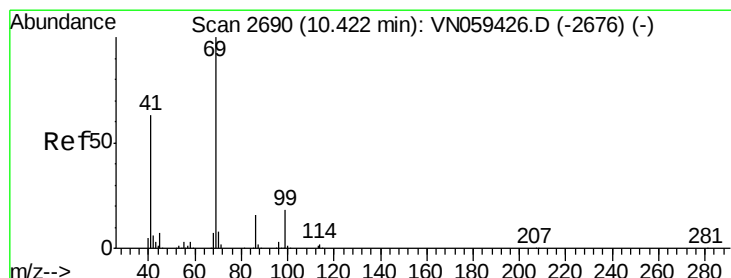
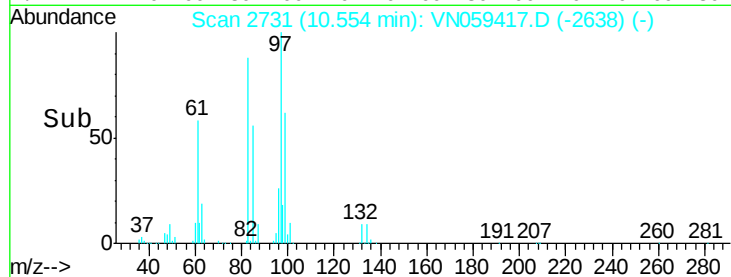


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0



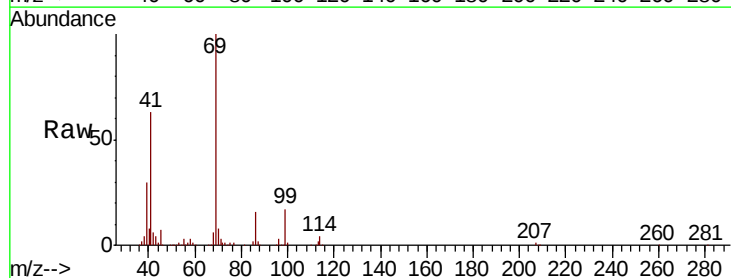
apatel

12/2/2019 10:08:37 AM

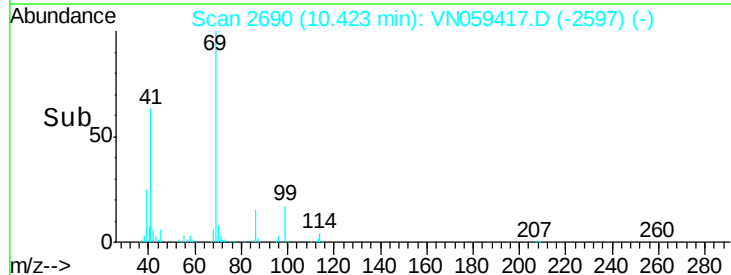
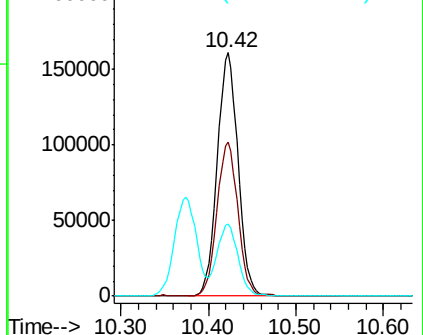


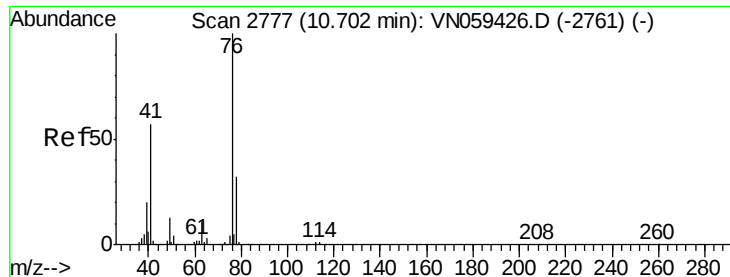
#56
 Ethyl methacrylate
 Concen: 46.739 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion:	69	Resp:	266167
Ion	Ratio	Lower	Upper
69	100		
41	63.0	50.1	75.1
39	29.5	23.9	35.9



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 41.872 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

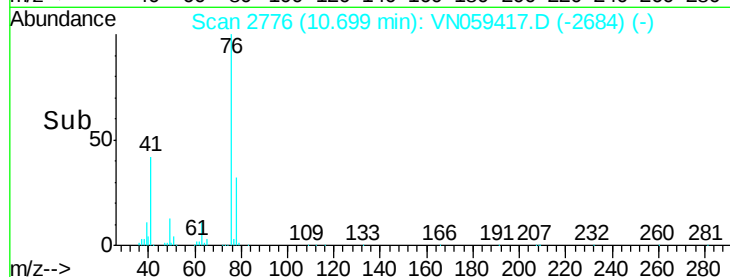
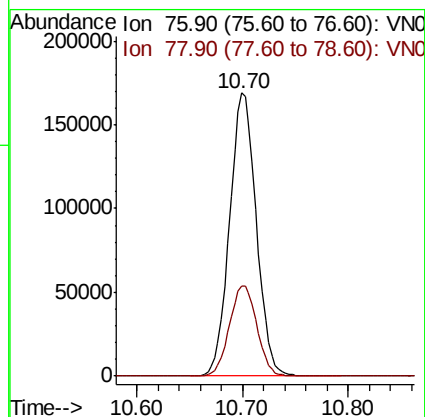
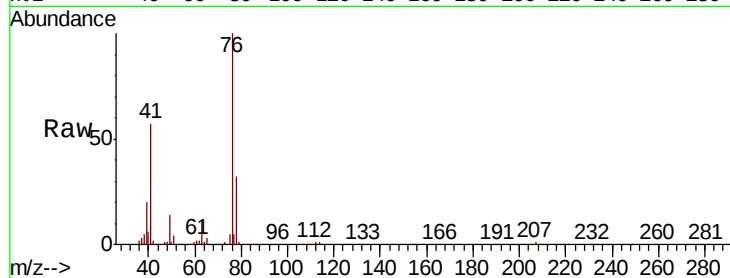
Tot Ion: 76 Resp: 295609

Ion Ratio Lower Upper

76 100

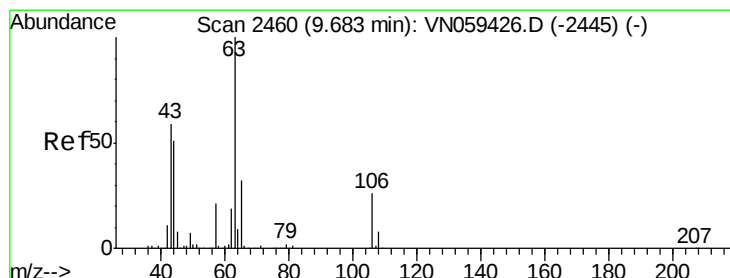
78 32.8 25.5 38.3

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 291.857 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059417.D

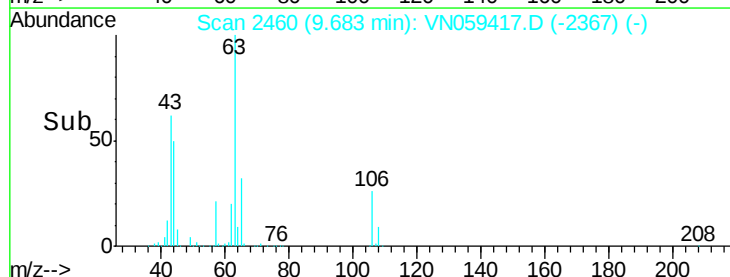
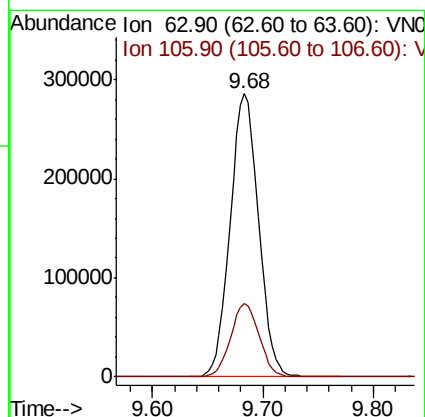
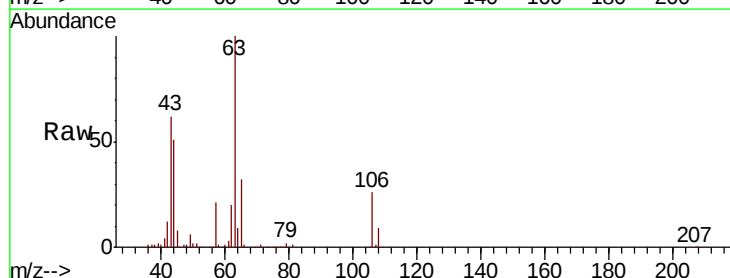
Acq: 27 Nov 2019 10:28

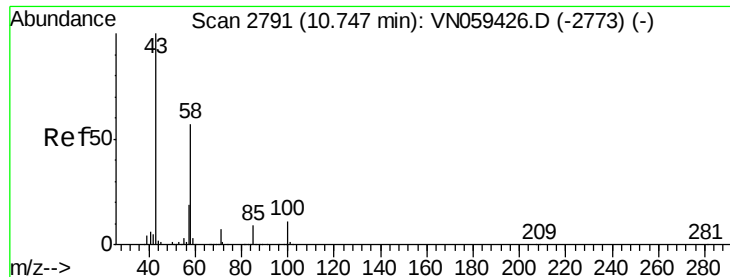
Tgt Ion: 63 Resp: 510791

Ion Ratio Lower Upper

63 100

106 26.1 20.9 31.3



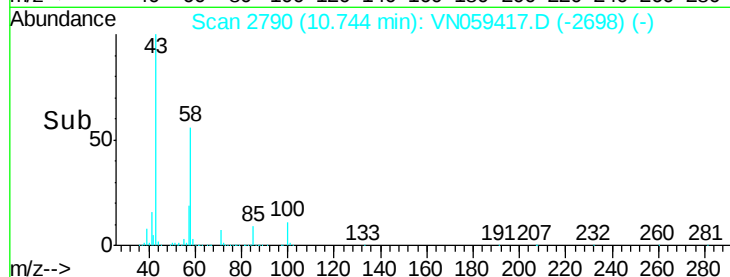
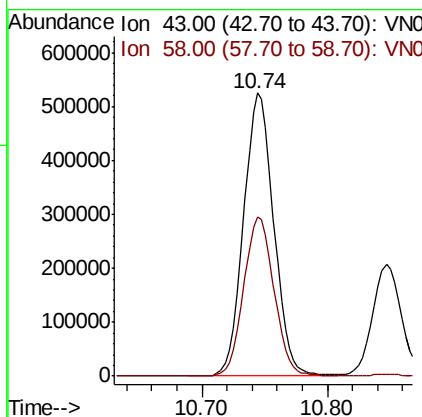
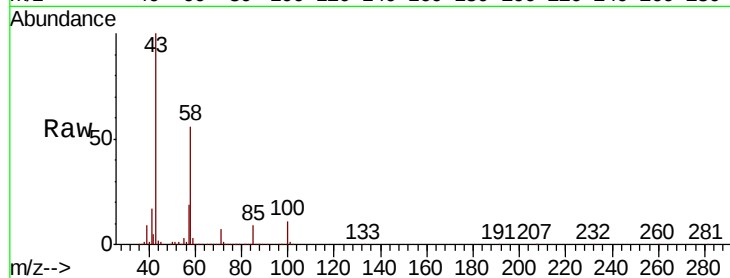


#59
2-Hexanone
Concen: 216.146 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

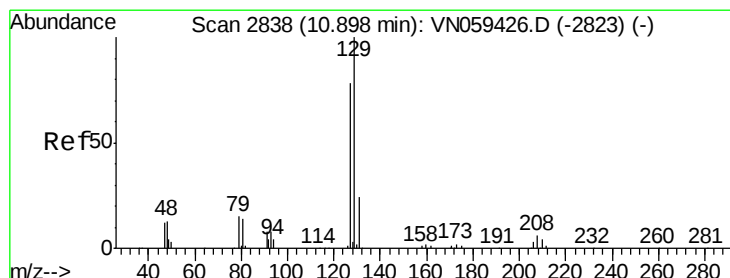
Tot Ion: 43 Resp: 879076
Ion Ratio Lower Upper
43 100
58 56.6 28.3 85.0

Manual Integrations
APPROVED



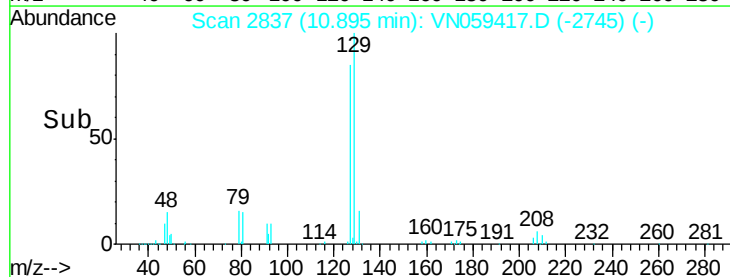
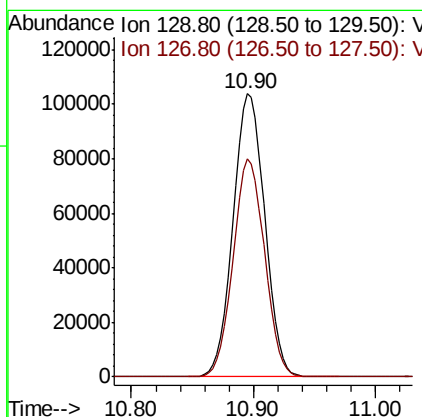
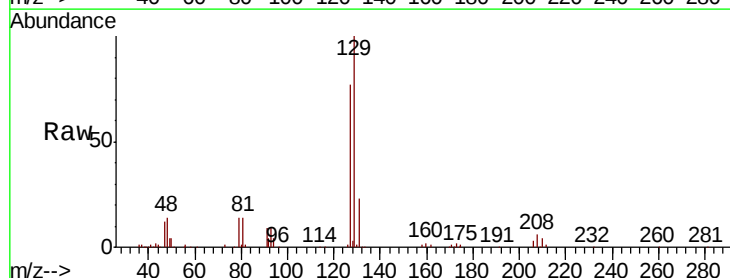
apatel

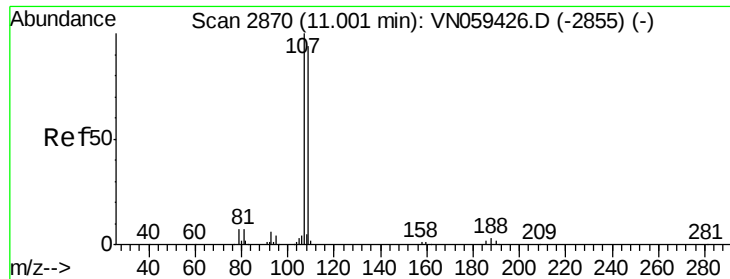
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#60
Dibromochloromethane
Concen: 43.910 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 129 Resp: 187221
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0



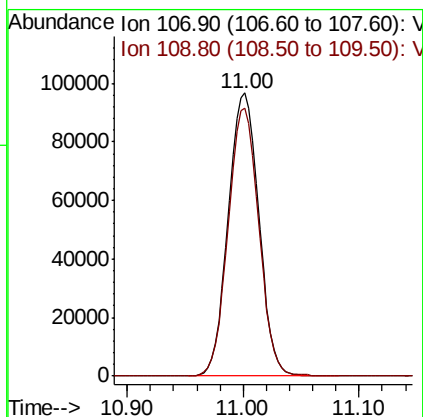
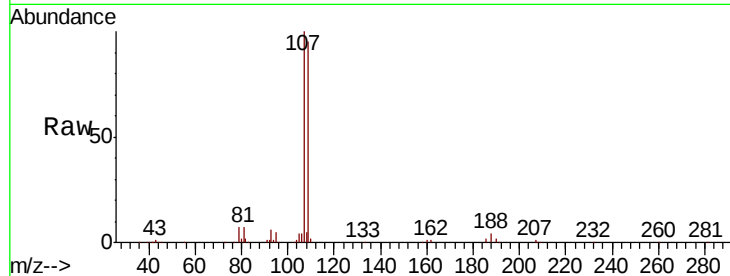


#61
 1,2-Dibromoethane
 Concen: 42.158 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

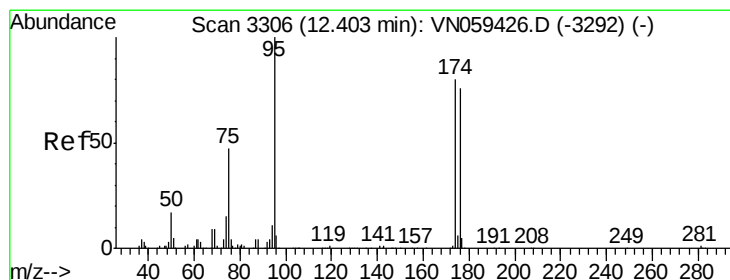
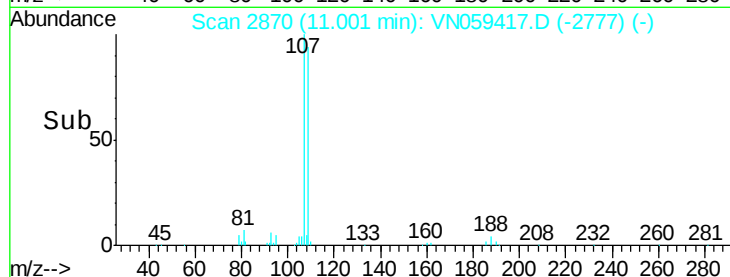
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.8	113.8

Manual Integrations
 APPROVED



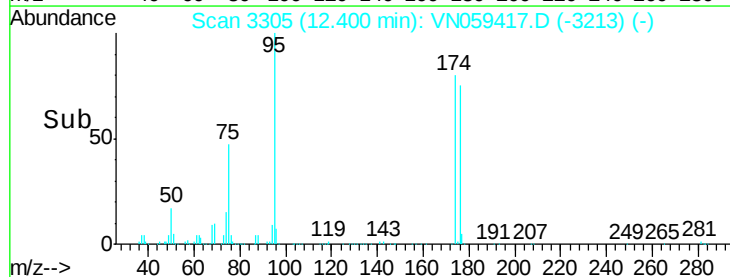
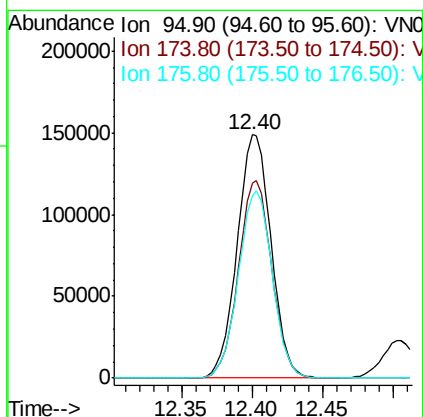
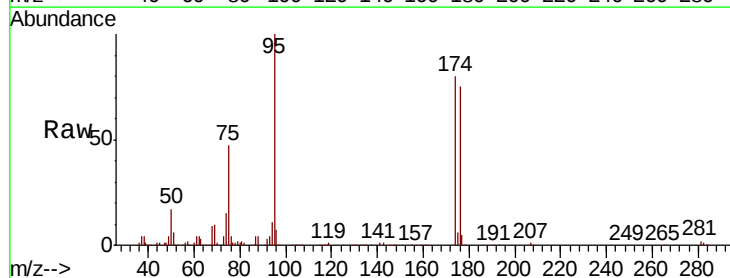
apatel

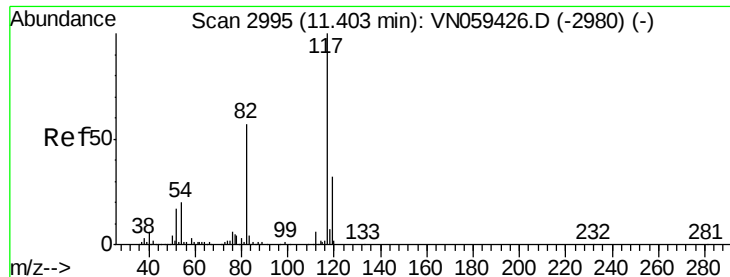
12/2/2019 10:08:37 AM



#62
 4-Bromofluorobenzene
 Concen: 48.519 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	158.0
176	76.8	0.0	153.0



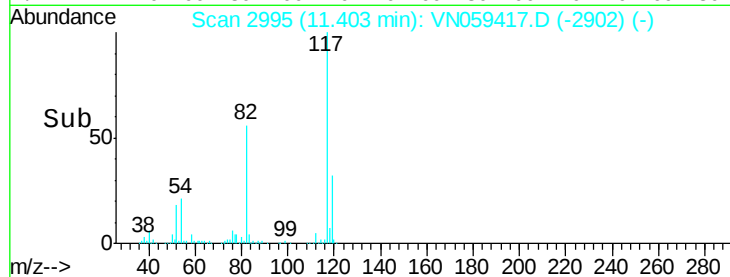
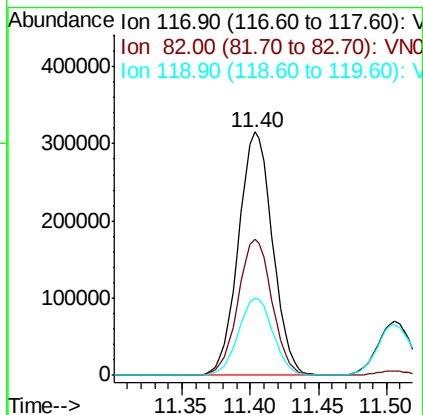
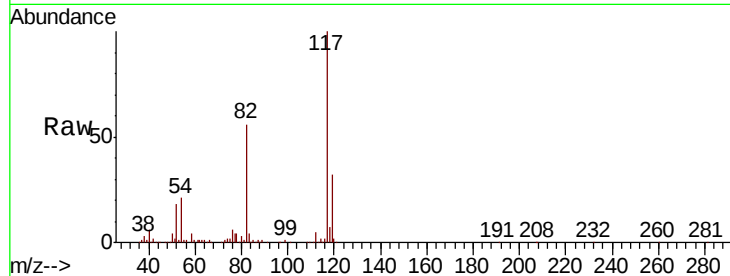


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

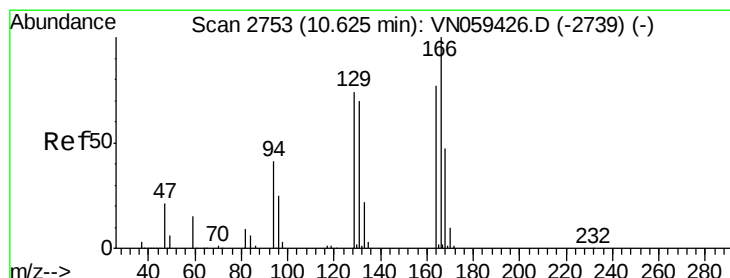
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.4	68.0
119	31.8	25.6	38.4

Manual Integrations
APPROVED



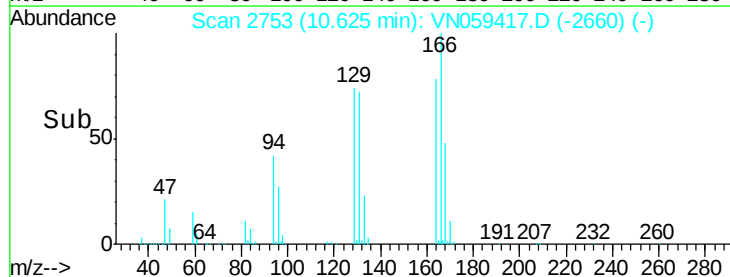
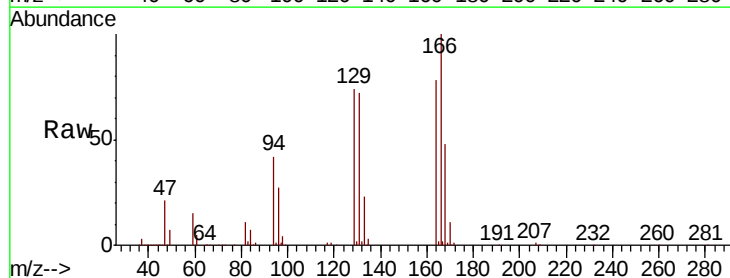
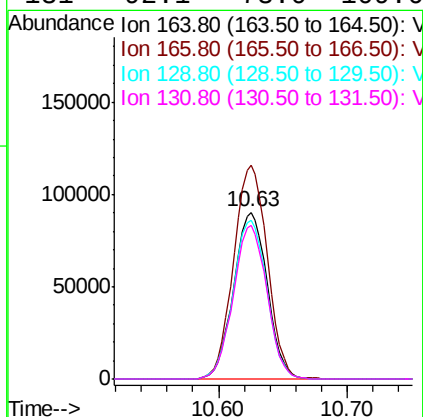
apatel

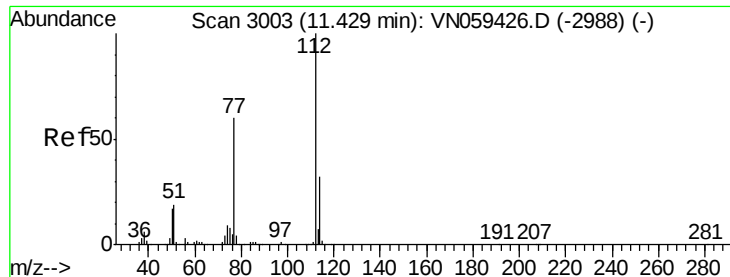
12/2/2019 10:08:37 AM



#64
Tetrachloroethene
Concen: 40.404 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	104.2	156.4
129	95.3	76.8	115.2
131	92.1	73.0	109.6



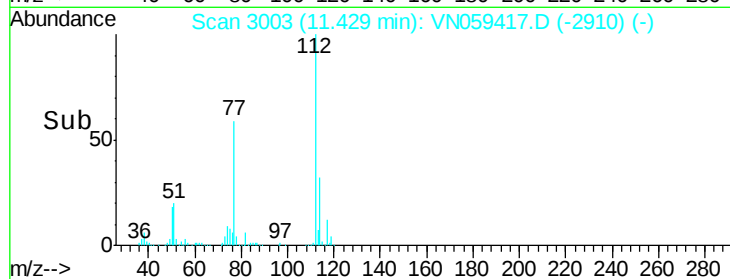
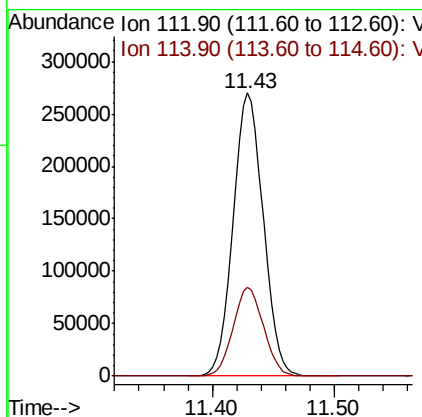
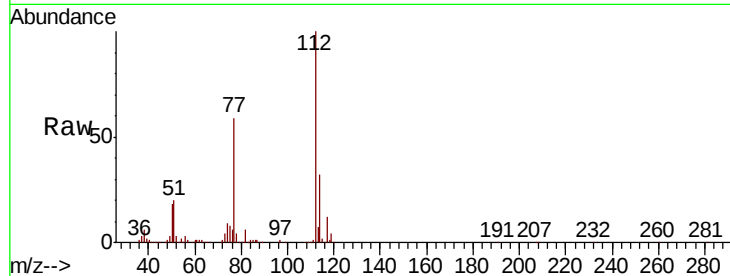


#65
Chlorobenzene
Concen: 41.623 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

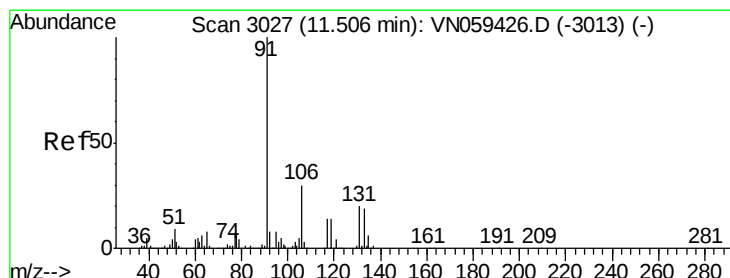
Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.4	38.2

Manual Integrations
APPROVED



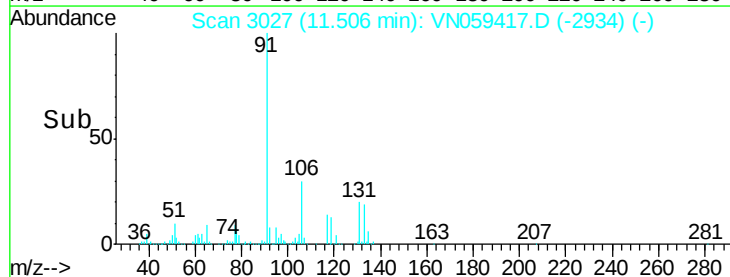
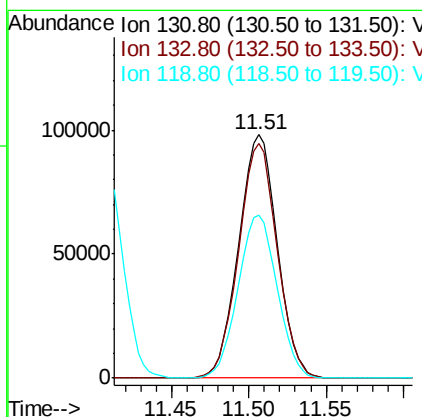
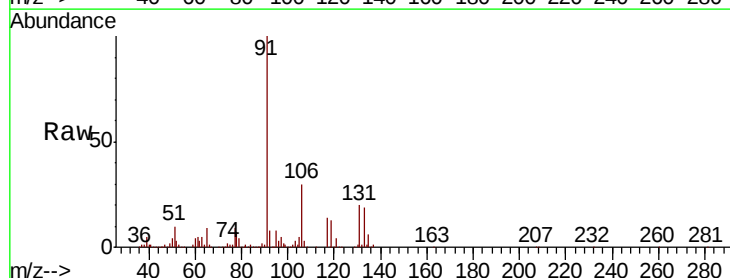
apatel

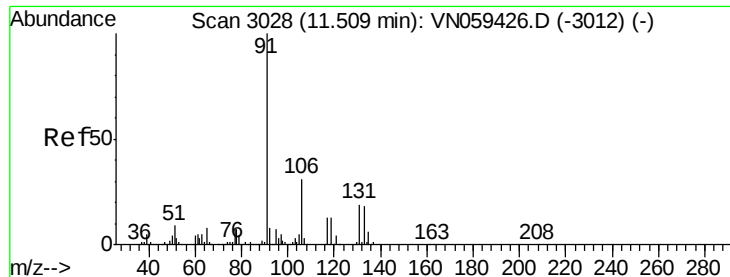
12/2/2019 10:08:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 42.350 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.2	144.6
119	68.0	33.8	101.3





#67

Ethyl Benzene

Concen: 42.642 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

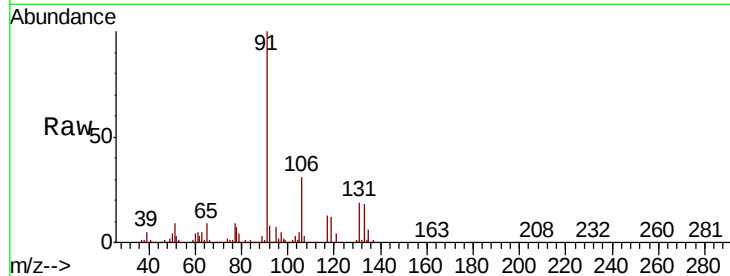
Tot Ion: 91 Resp: 830630

Ion Ratio Lower Upper

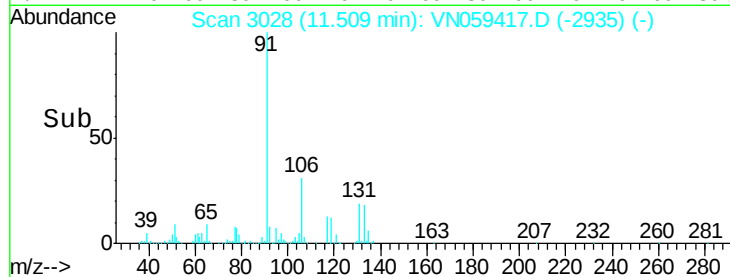
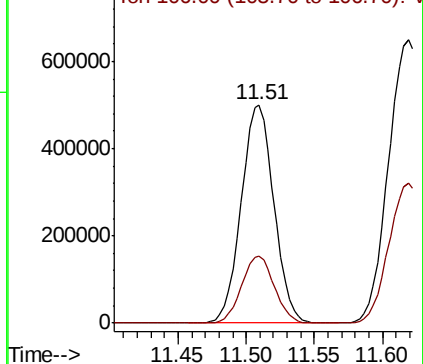
91 100

106 31.0 24.7 37.1

Manual Integrations
APPROVED

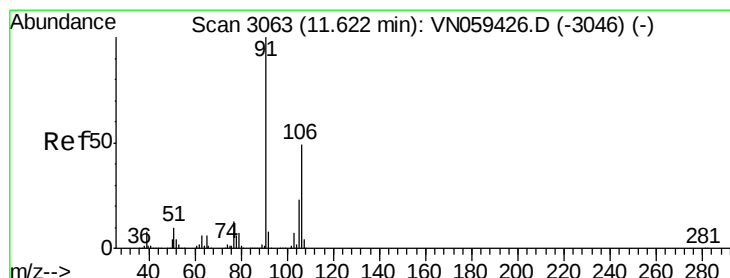


Abundance Ion 91.00 (90.70 to 91.70): VN059417.D (-2935) (-)



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#68

m/p-Xylenes

Concen: 84.971 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059417.D

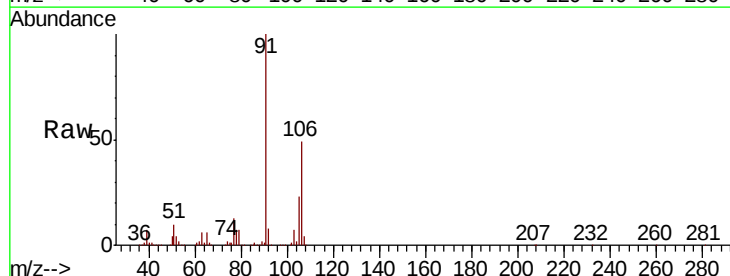
Acq: 27 Nov 2019 10:28

Tgt Ion: 106 Resp: 617963

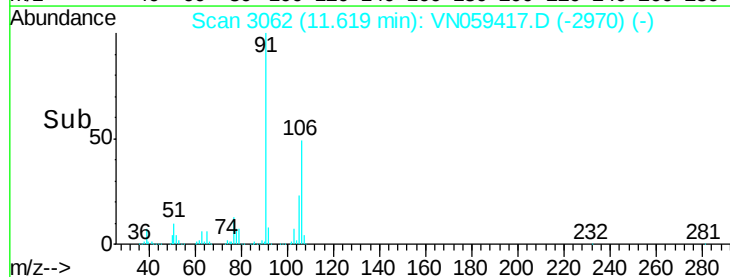
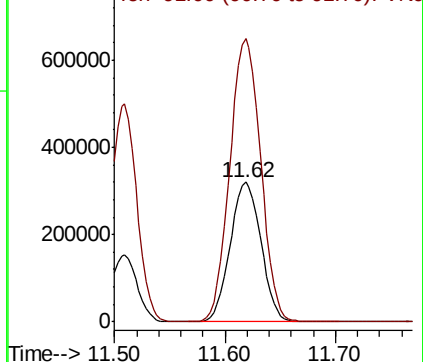
Ion Ratio Lower Upper

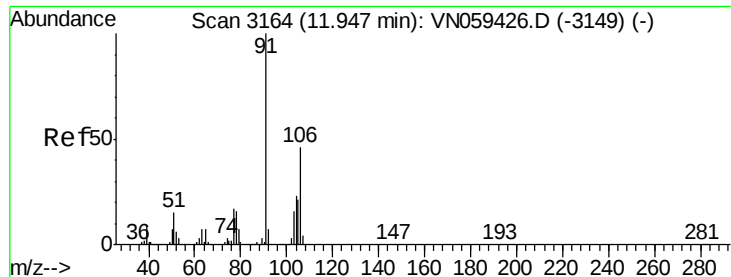
106 100

91 203.9 163.7 245.5



Abundance Ion 106.00 (105.70 to 106.70): VN059417.D (-2970) (-)



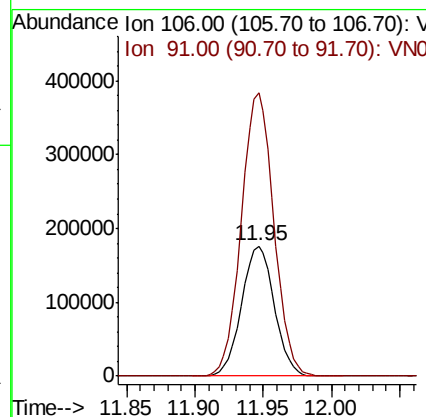
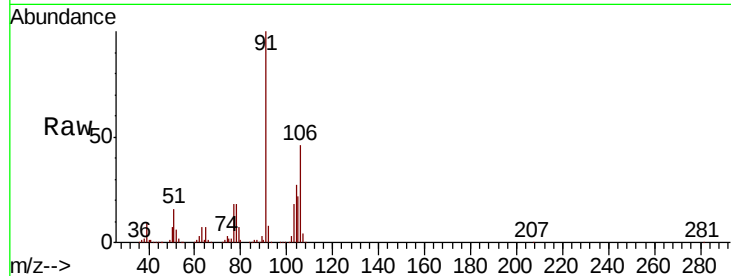


#69
o-Xylene
Concen: 42.006 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

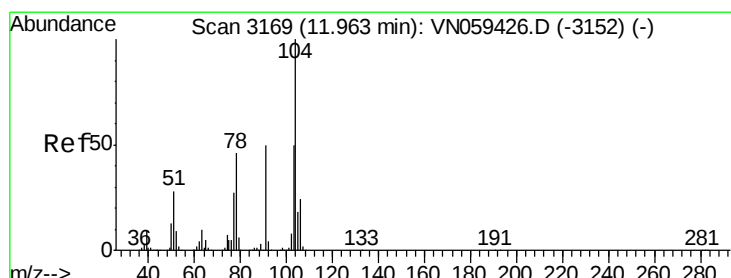
Tot Ion	Ion	Ratio	Lower	Upper
292980	106	100		
	91	216.8	107.5	322.4

Manual Integrations
APPROVED



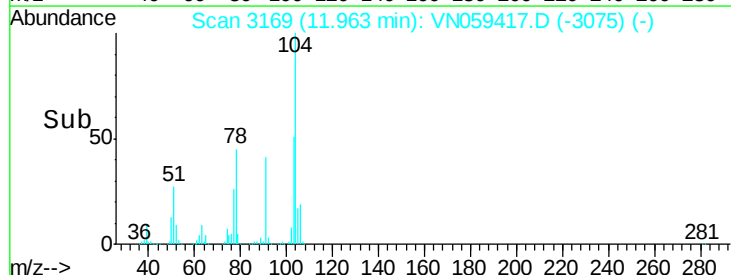
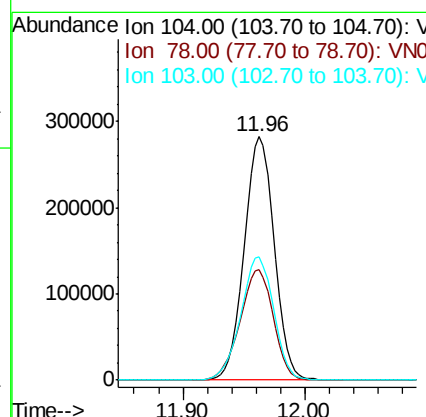
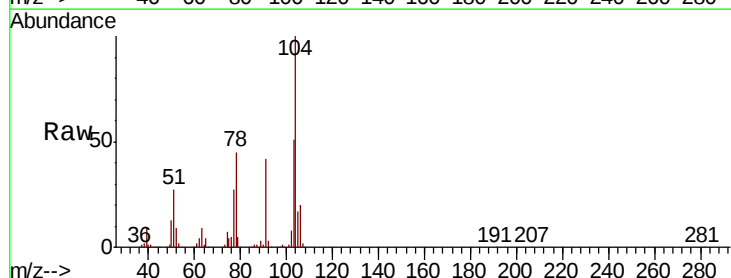
apatel

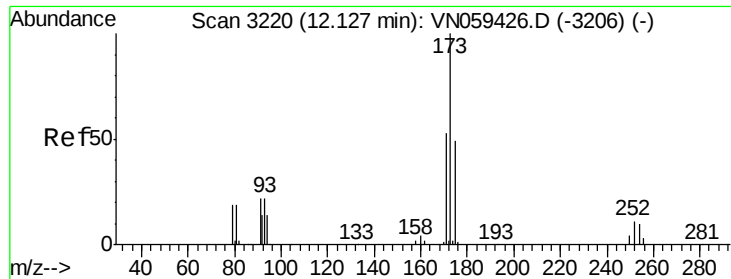
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#70
Styrene
Concen: 46.041 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ion	Ratio	Lower	Upper
479032	104	100		
	78	50.4	40.4	60.6
	103	55.7	43.8	65.6



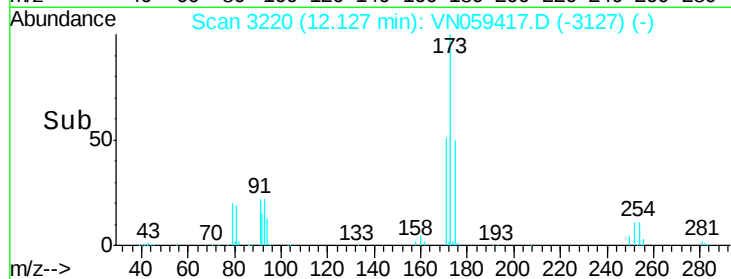
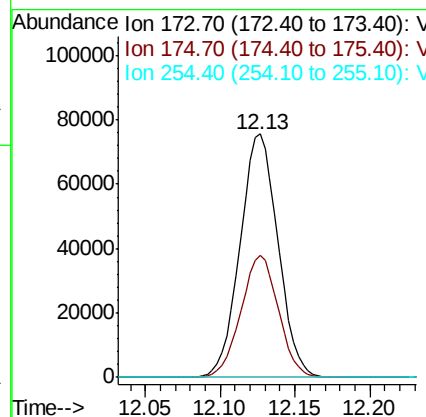
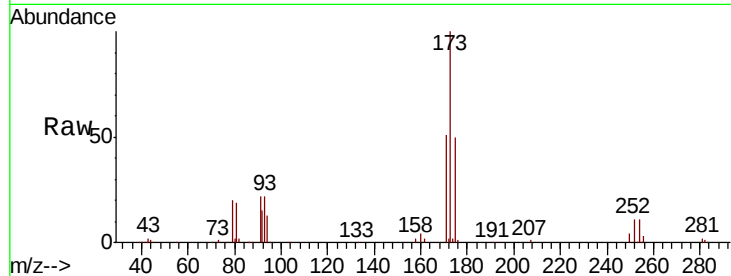


#71
Bromoform
Concen: 43.590 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

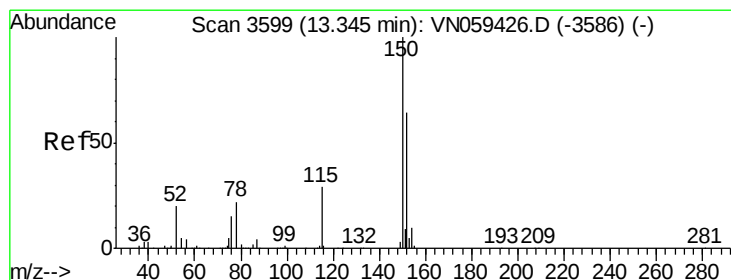
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.3
254	0.1	0.0	0.0

Manual Integrations
APPROVED



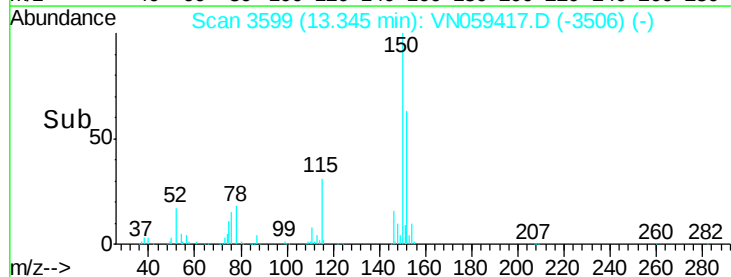
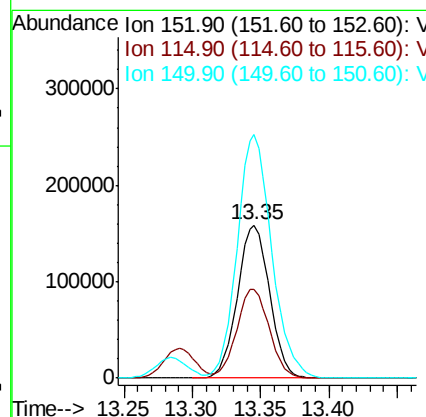
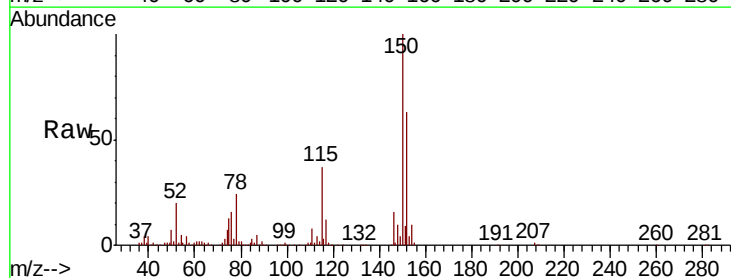
apatel

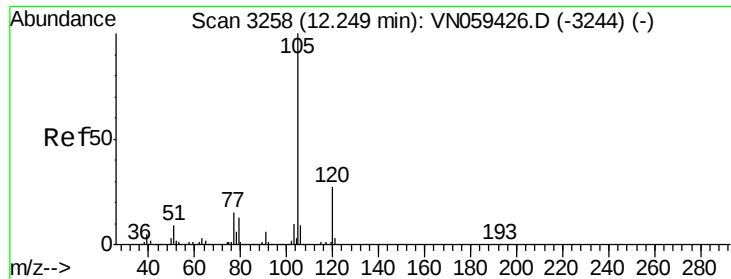
12/2/2019 10:08:37 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.5	88.6
150	170.6	0.0	347.2





#73

Isopropylbenzene

Concen: 41.307 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

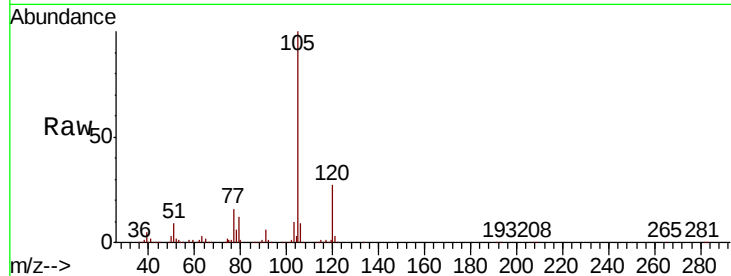
Tot Ion:105 Resp: 794004

Ion Ratio Lower Upper

105 100

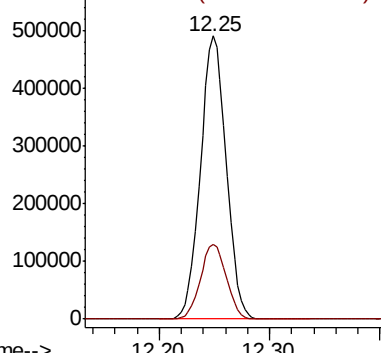
120 26.6 13.2 39.6

Manual Integrations
APPROVED



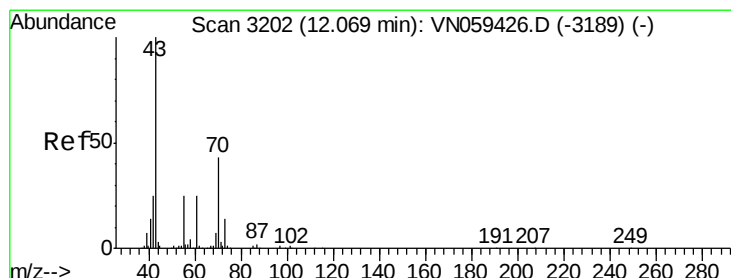
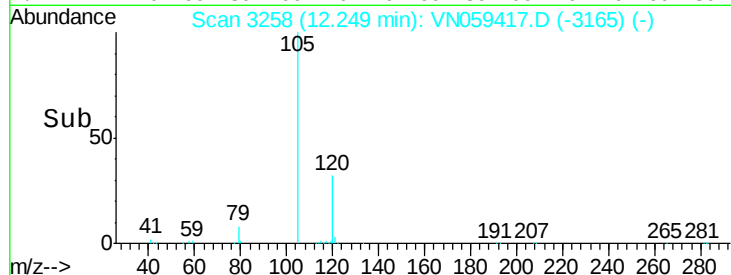
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#74

N-ethyl acetate

Concen: 45.137 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Tgt Ion: 43 Resp: 303392

Ion Ratio Lower Upper

43 100

70 44.0 34.6 52.0

55 26.5 20.5 30.7

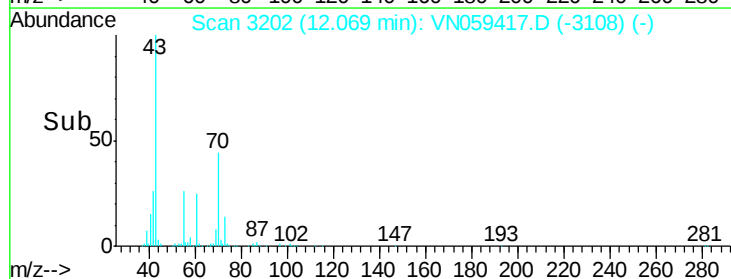
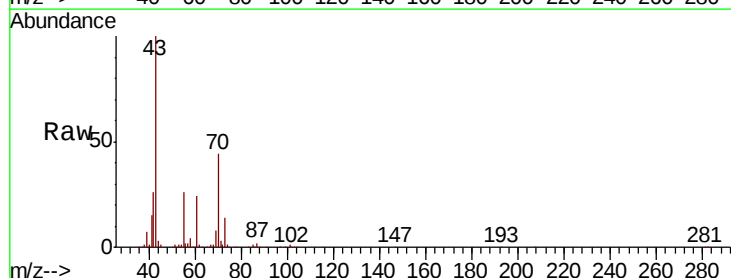
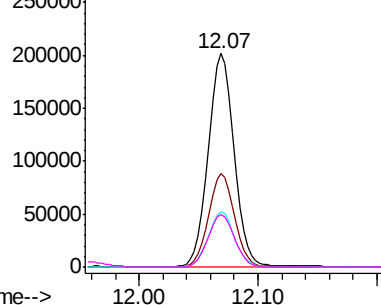
61 25.1 20.2 30.4

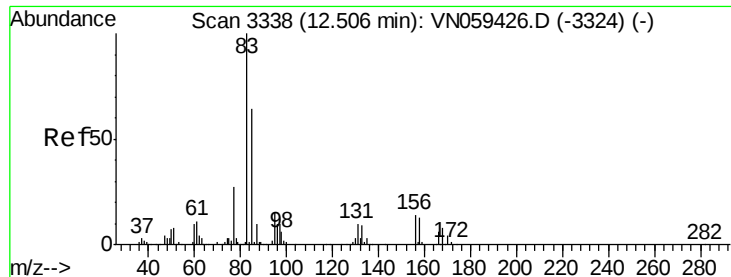
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 40.458 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

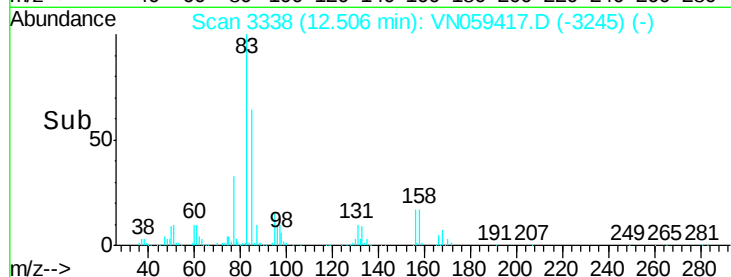
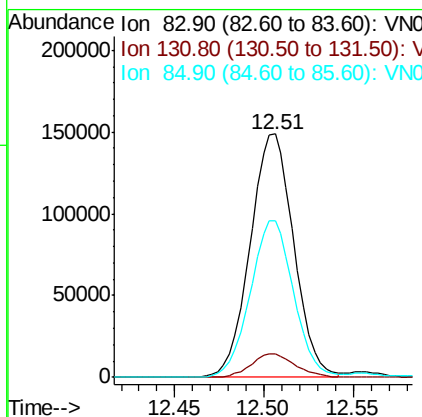
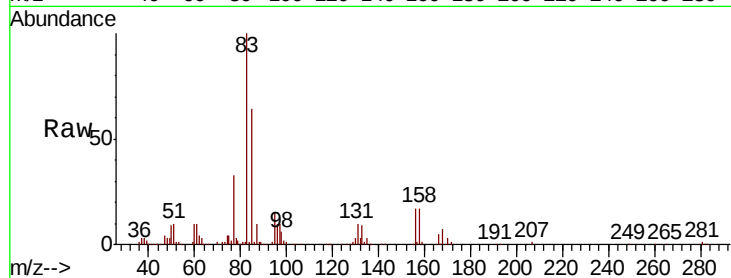
MSVOA_N

ClientSampleId :

VSTDCCC050

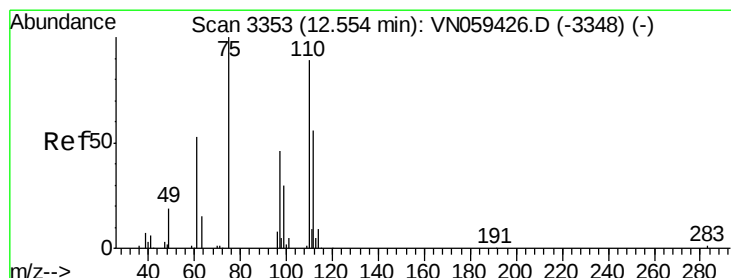
Tot Ion:	83	Resp:	253611
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	64.2	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 37.585 ug/l m

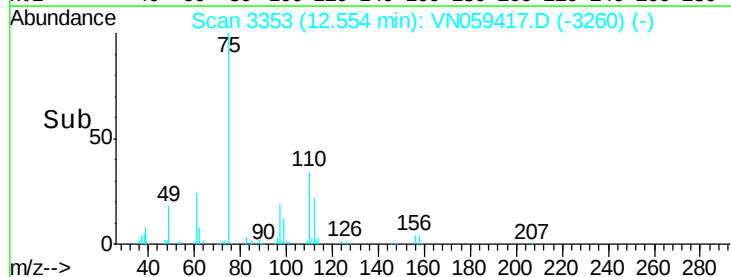
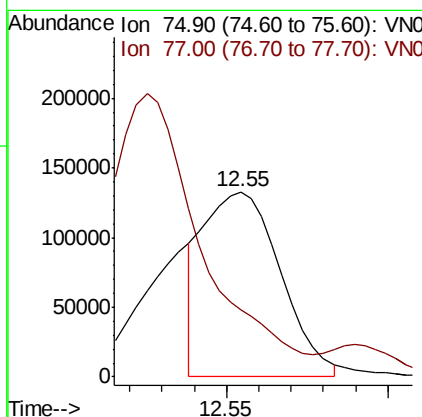
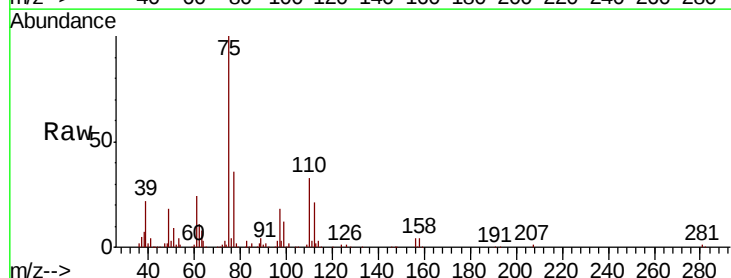
RT: 12.55 min Scan# 3353

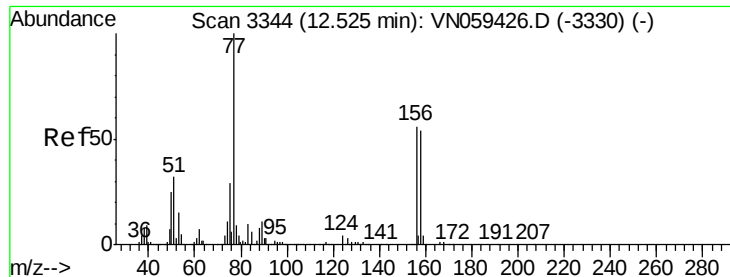
Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Tgt Ion:	75	Resp:	220625
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 40.856 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

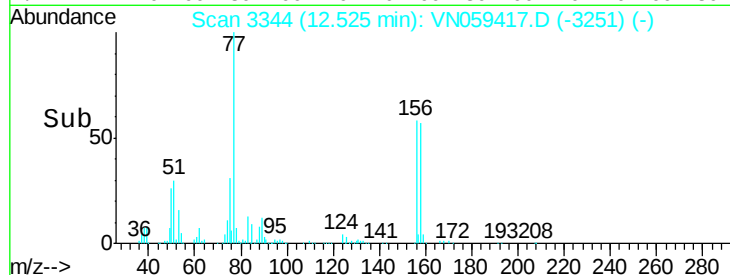
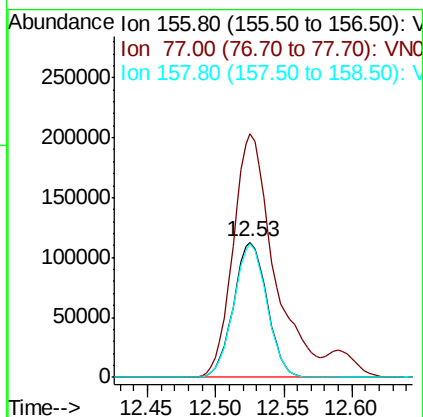
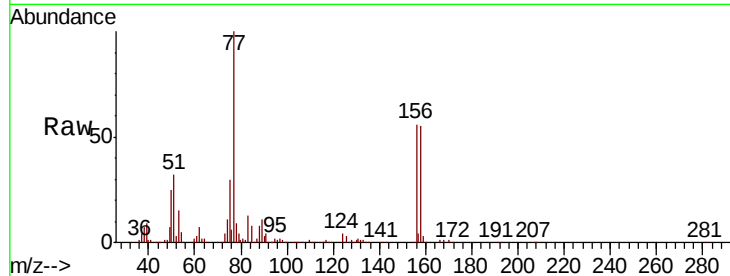
MSVOA_N

ClientSampled :

VSTDCCC050

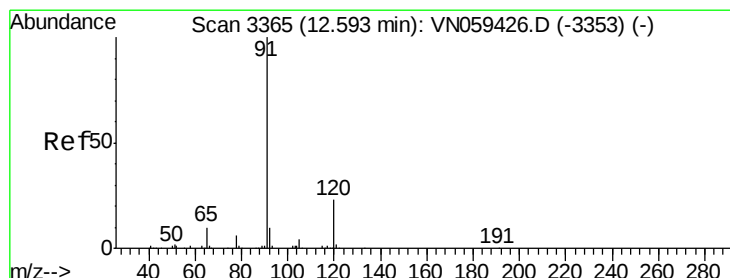
Tot Ion:	156	Resp:	192274
Ion	Ratio	Lower	Upper
156	100		
77	219.0	108.7	326.3
158	97.7	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 42.082 ug/l

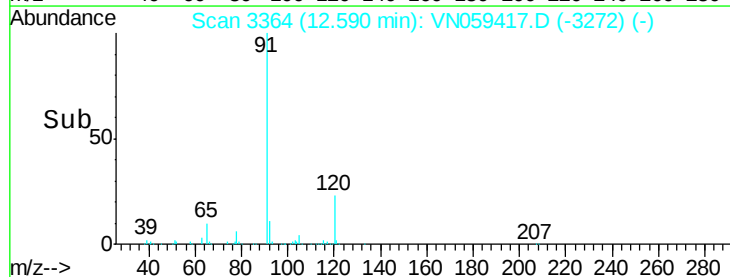
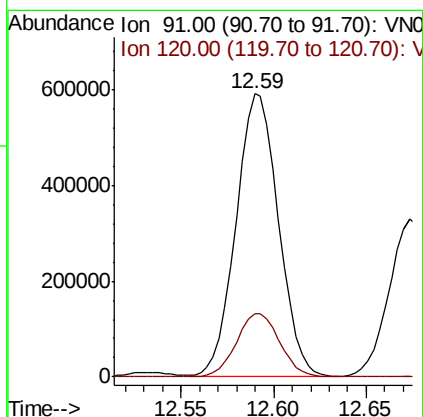
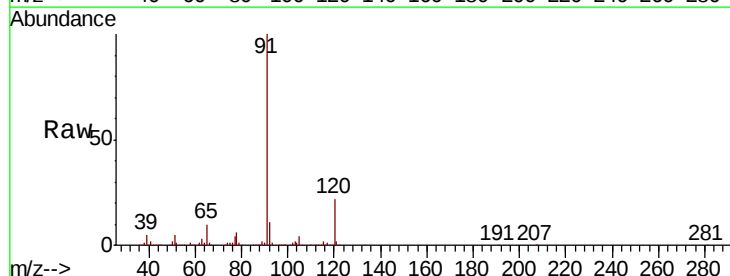
RT: 12.59 min Scan# 3364

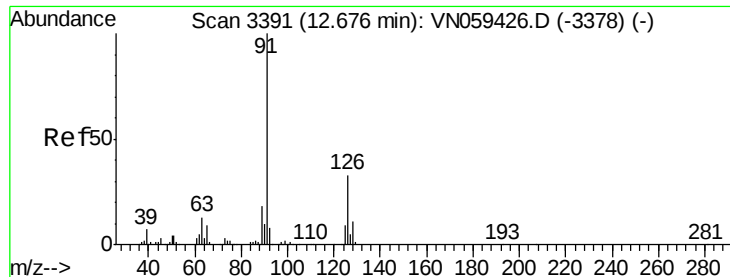
Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Tgt Ion:	91	Resp:	932144
Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.4





#79

2-Chlorotoluene

Concen: 41.239 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

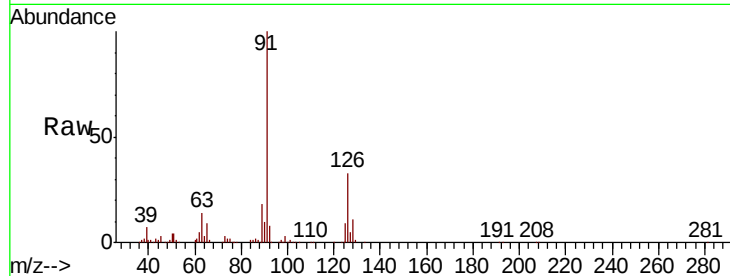
Tot Ion: 91 Resp: 546131

Ion Ratio Lower Upper

91 100

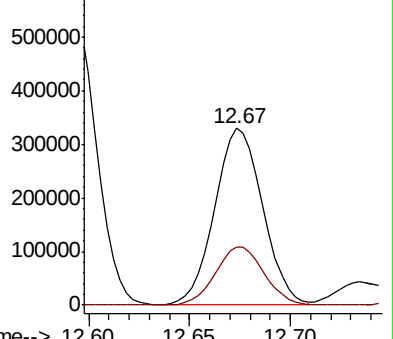
126 33.6 16.7 50.1

Manual Integrations
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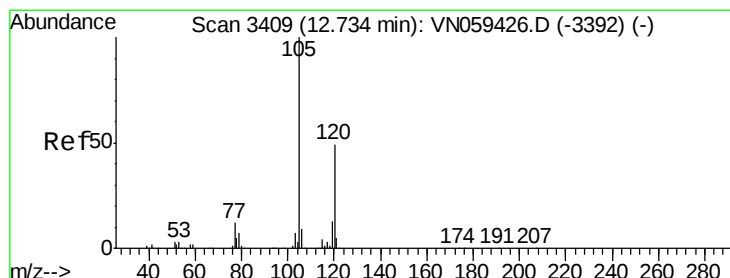
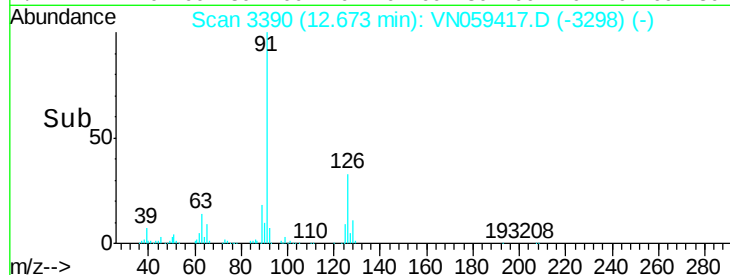
Abundance Ion 91.00 (90.70 to 91.70): VN059417.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN059417.D (-3298) (-)



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#80

1,3,5-Trimethylbenzene

Concen: 41.622 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059417.D

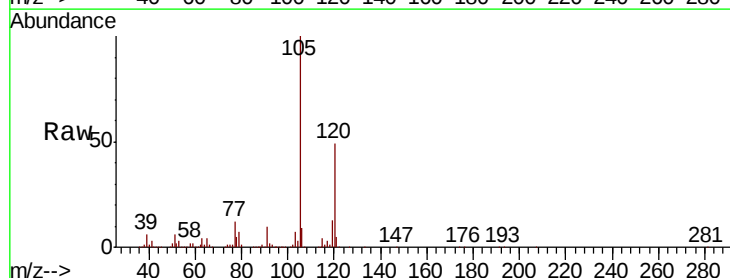
Acq: 27 Nov 2019 10:28

Tgt Ion: 105 Resp: 672522

Ion Ratio Lower Upper

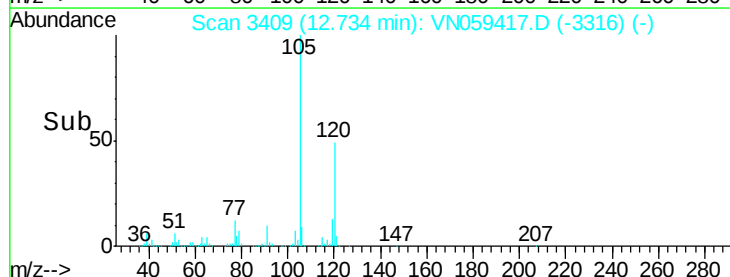
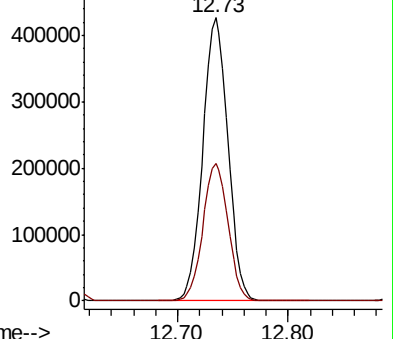
105 100

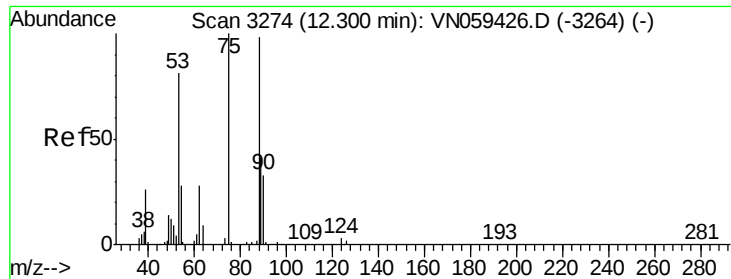
120 48.7 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VN059417.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059417.D (-3316) (-)



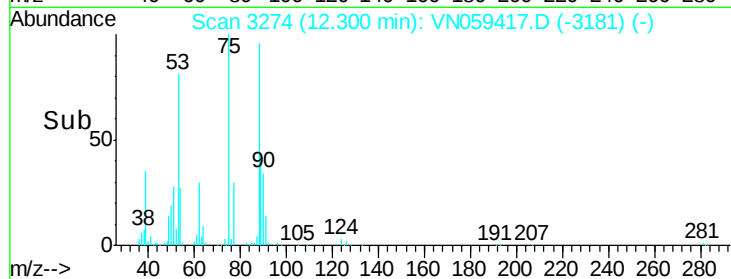
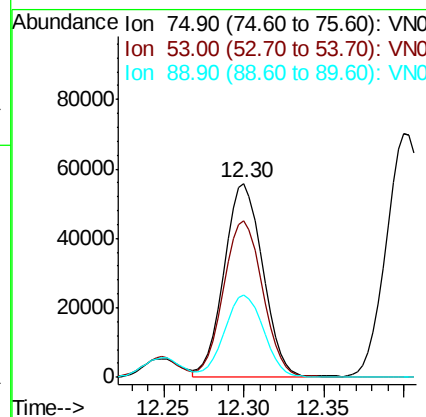
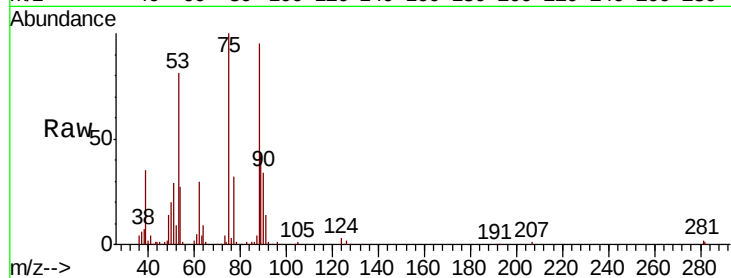


#81
trans-1,4-Dichloro-2-butene
Concen: 40.511 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

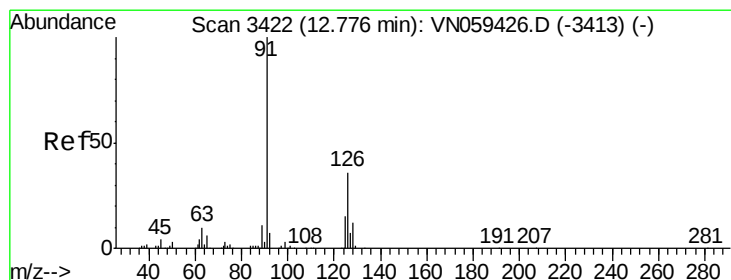
Tot Ion	Ratio	Lower	Upper
75	100		
53	82.1	66.2	99.4
89	42.9	33.9	50.9

Manual Integrations
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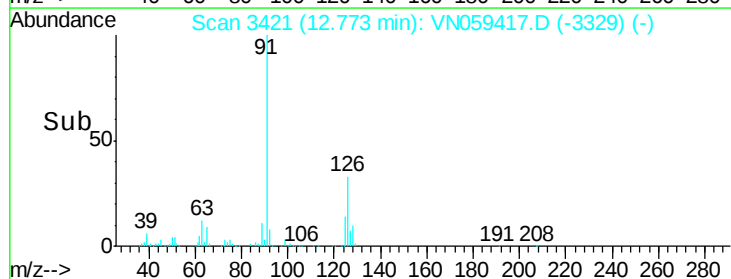
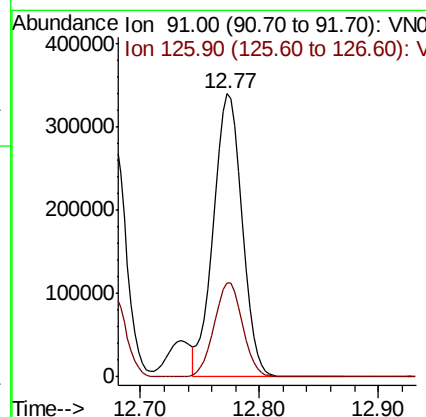
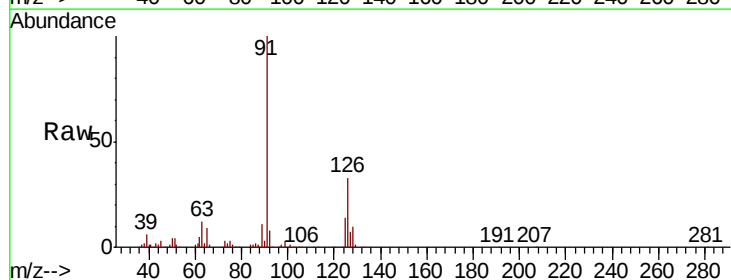
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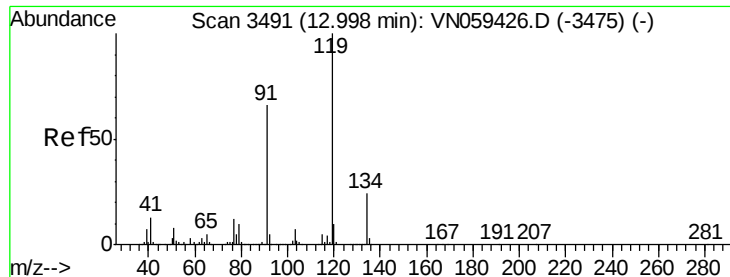
12/2/2019 10:08:37 AM



#82
4-Chlorotoluene
Concen: 41.569 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.7	50.0





#83

tert-Butylbenzene

Concen: 41.400 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

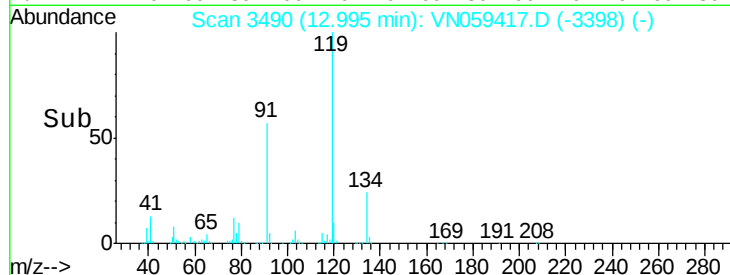
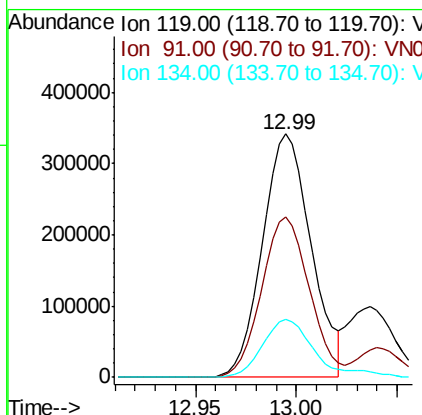
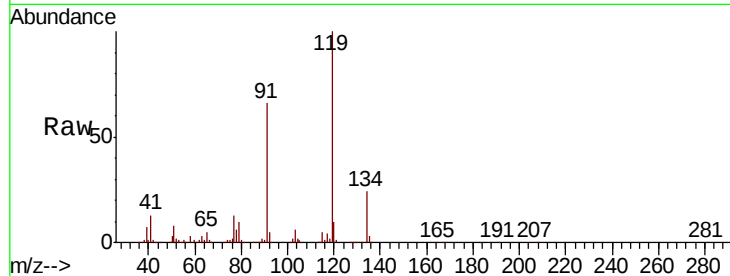
MSVOA_N

ClientSampled :

VSTDCCC050

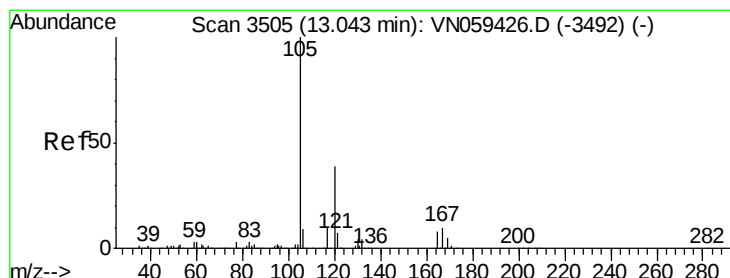
Tot Ion:	119	Resp:	574396
Ion Ratio	Lower	Upper	
119	100		
91	64.5	32.8	98.4
134	25.5	12.9	38.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 41.900 ug/l

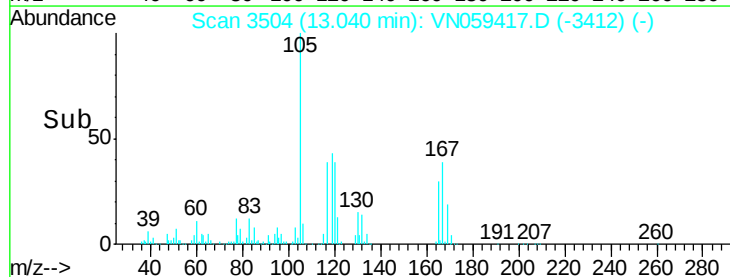
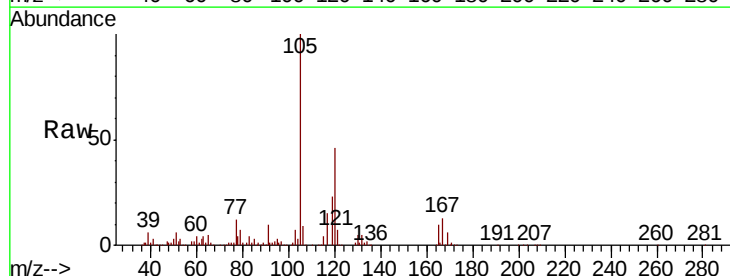
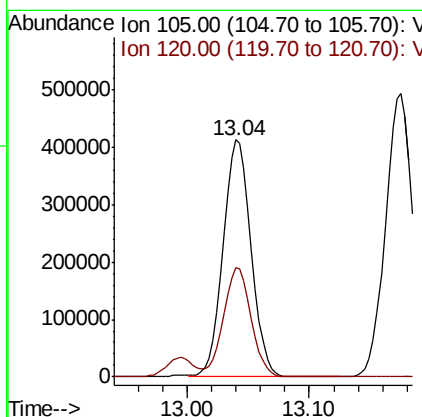
RT: 13.04 min Scan# 3504

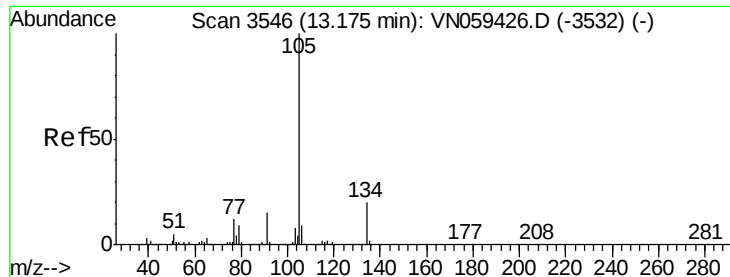
Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Tgt Ion:	105	Resp:	663212
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.9	68.7





#85

sec-Butylbenzene

Concen: 42.101 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

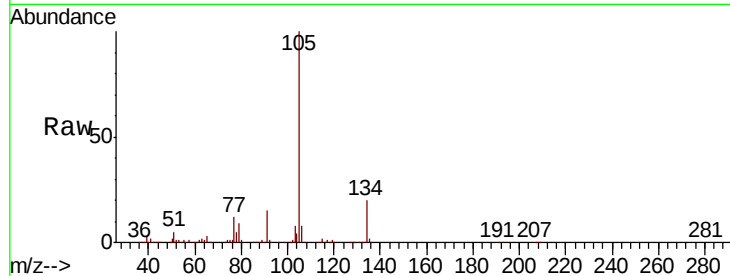
Tot Ion:105 Resp: 775698

Ion Ratio Lower Upper

105 100

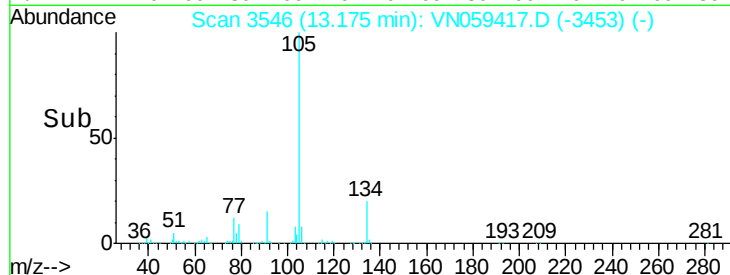
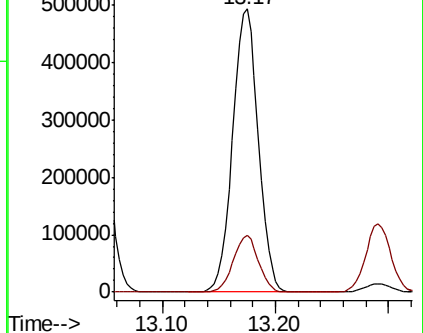
134 19.7 9.9 29.7

Manual Integrations
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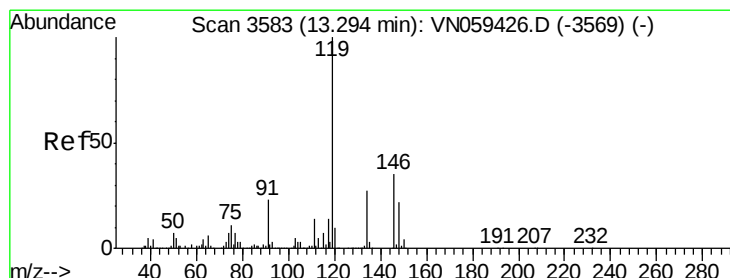
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#86

p-Isopropyltoluene

Concen: 42.423 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

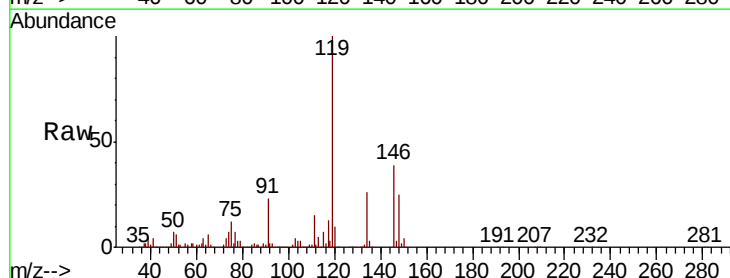
Tgt Ion:119 Resp: 706611

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.8

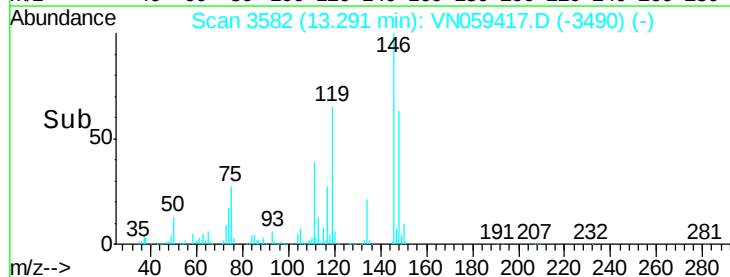
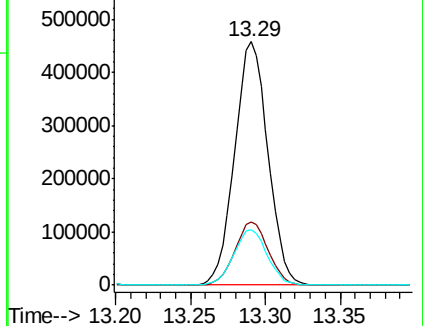
91 22.8 11.5 34.4

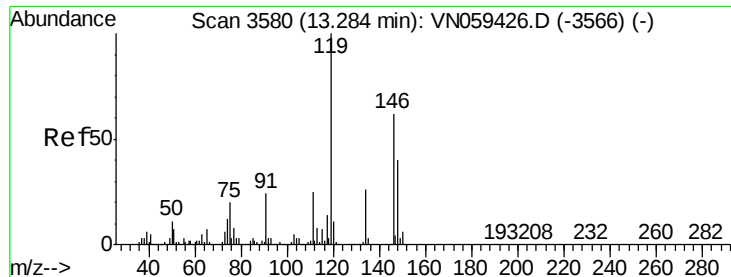


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



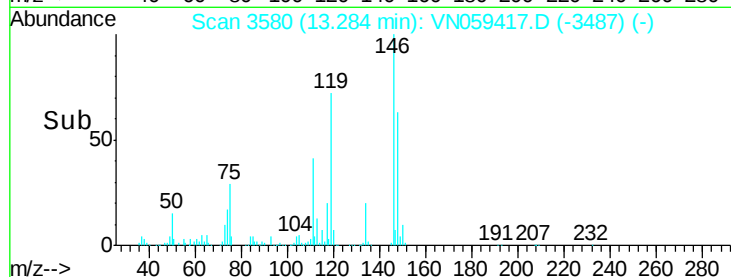
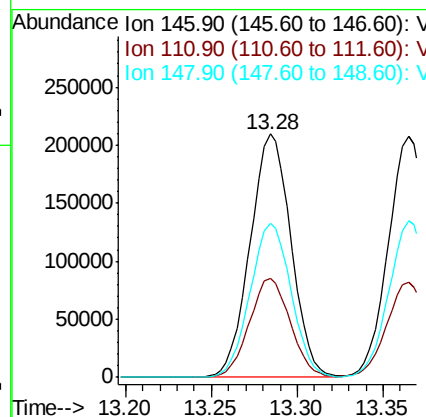
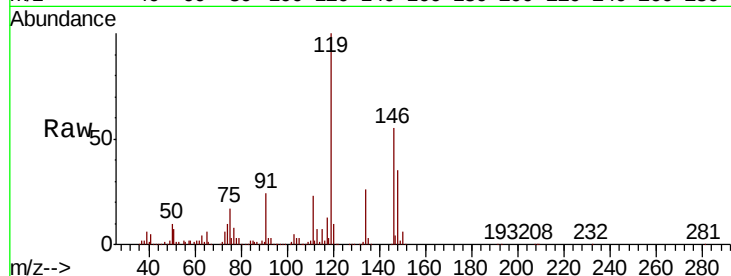


#87
 1,3-Dichlorobenzene
 Concen: 41.387 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

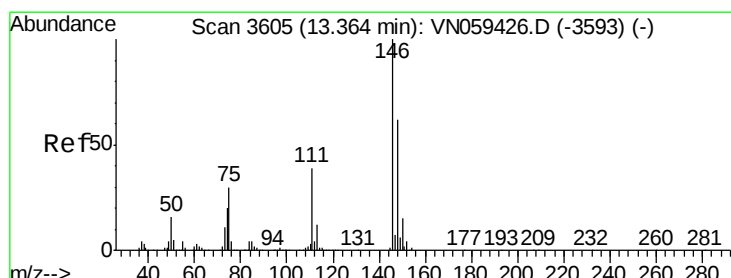
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.2
148	63.6	32.1	96.3

Manual Integrations
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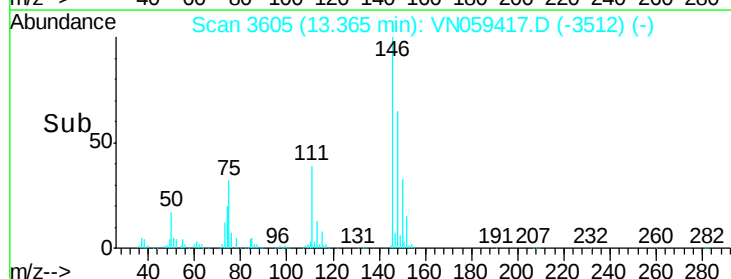
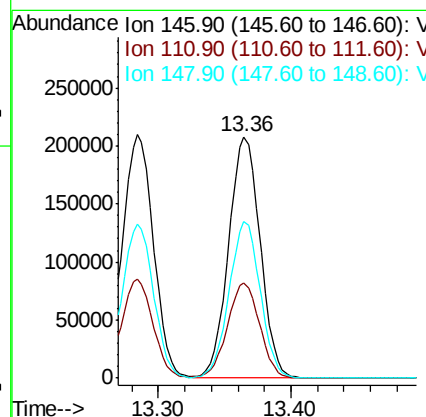
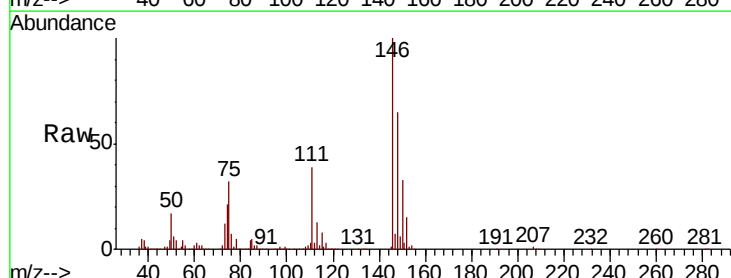
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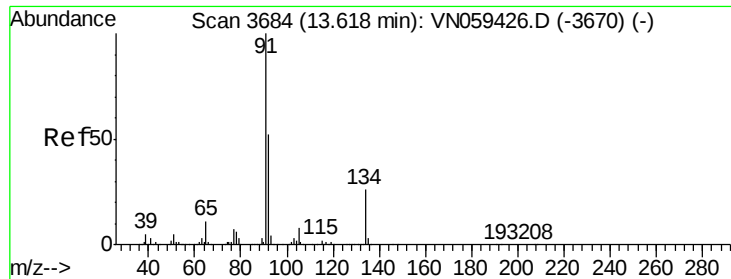
12/2/2019 10:08:37 AM



#88
 1,4-Dichlorobenzene
 Concen: 41.000 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.9	59.7
148	64.4	31.6	95.0



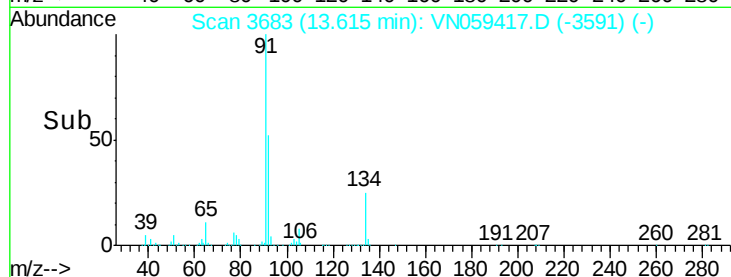
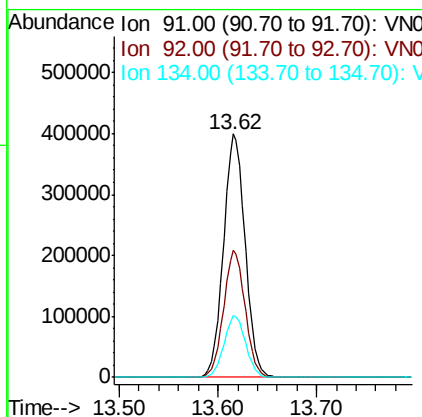
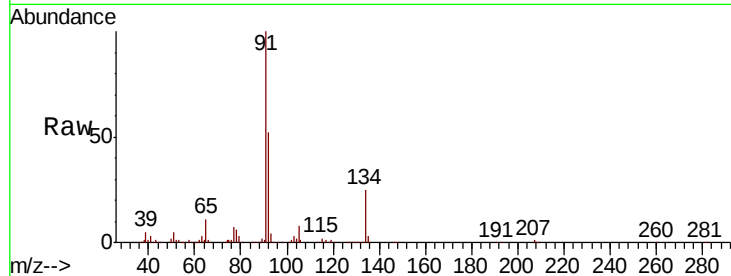


#89
n-Butylbenzene
Concen: 42.392 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

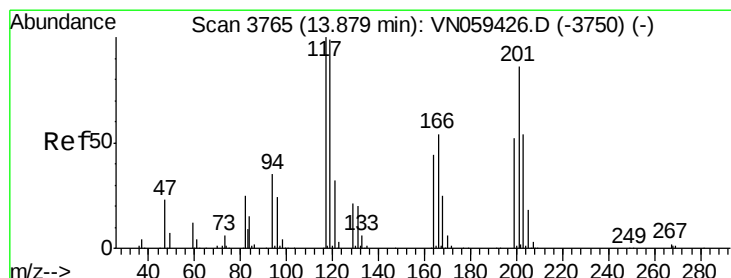
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.8
134	25.2	12.8	38.4

Manual Integrations
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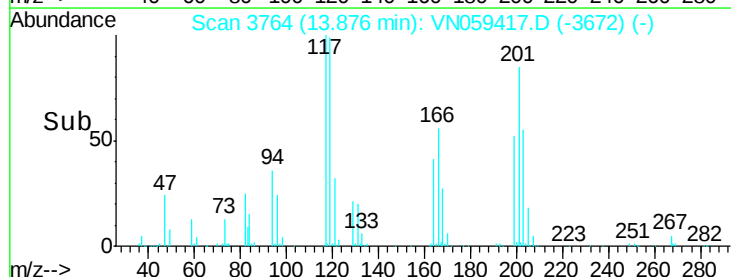
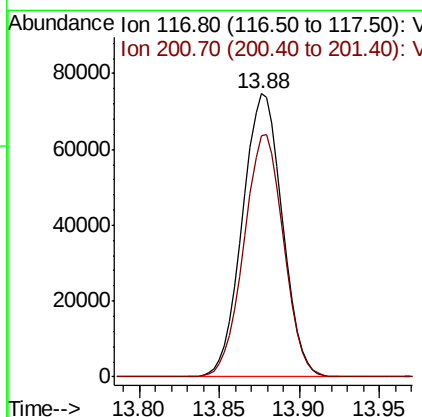
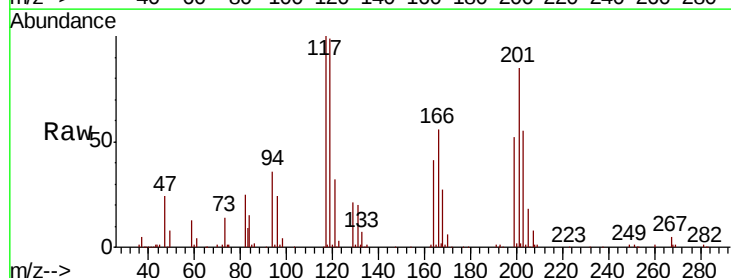
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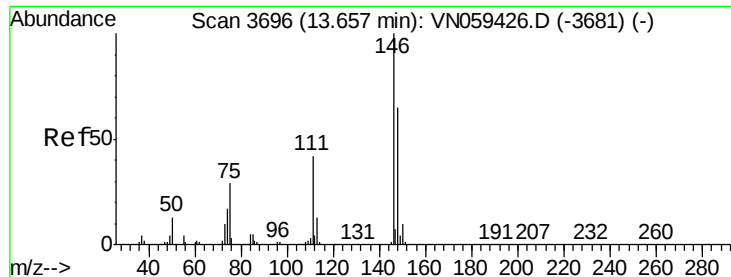
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#90
Hexachloroethane
Concen: 39.967 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	42.1	126.4



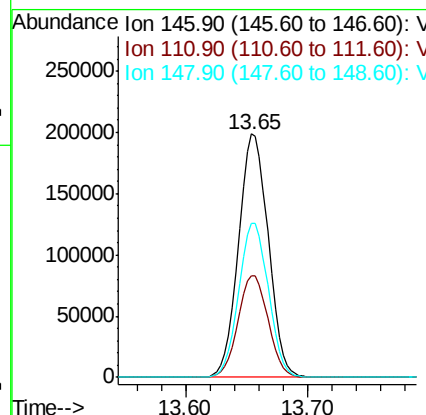
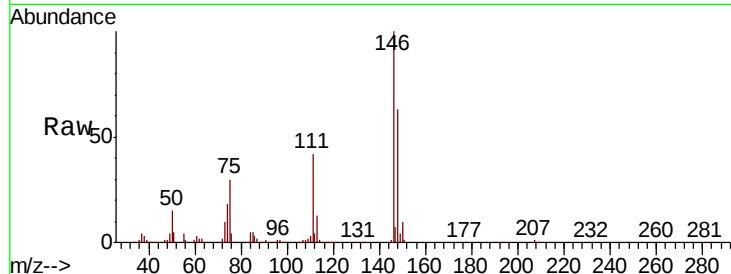


#91
 1,2-Dichlorobenzene
 Concen: 41.115 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

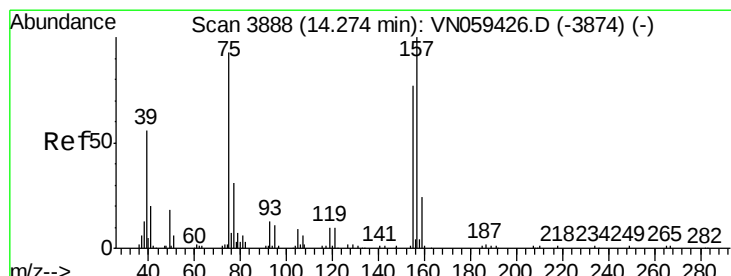
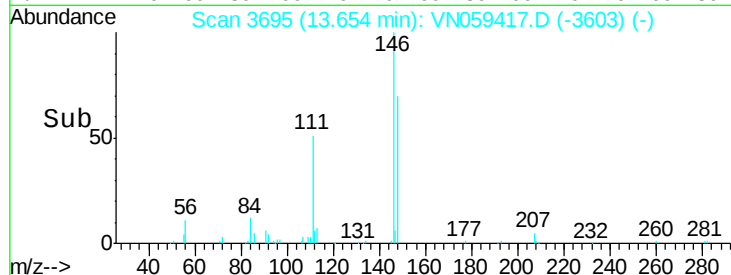
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.7
148	63.6	32.0	96.2

Manual Integrations
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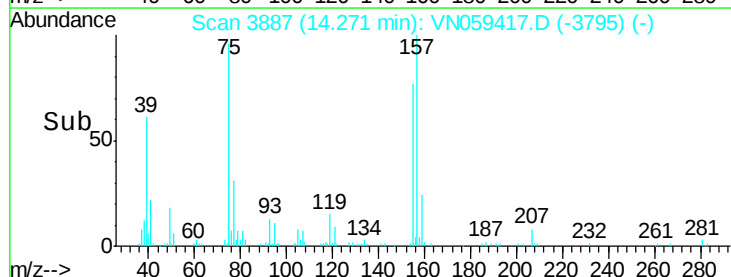
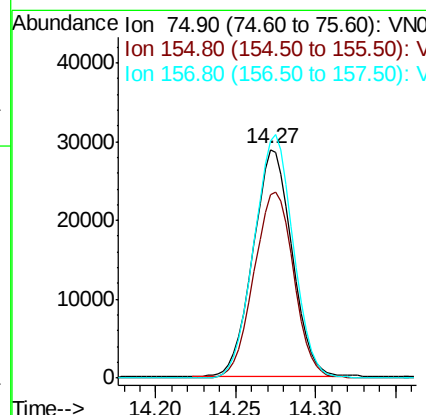
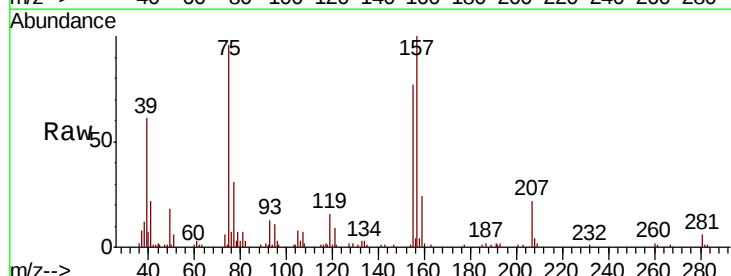
apatel

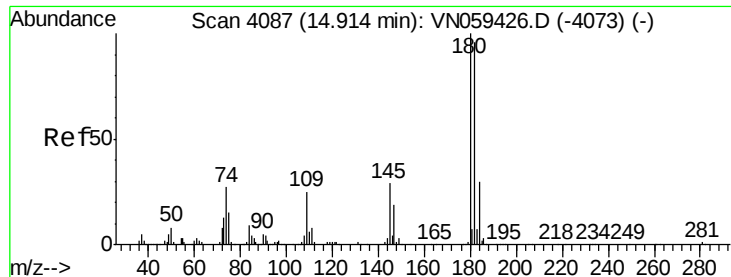
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.989 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	41.9	125.8
157	107.9	54.1	162.3



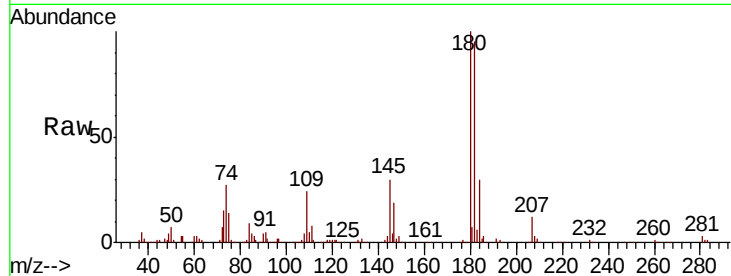


#93
1,2,4-Trichlorobenzene
Concen: 40.399 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

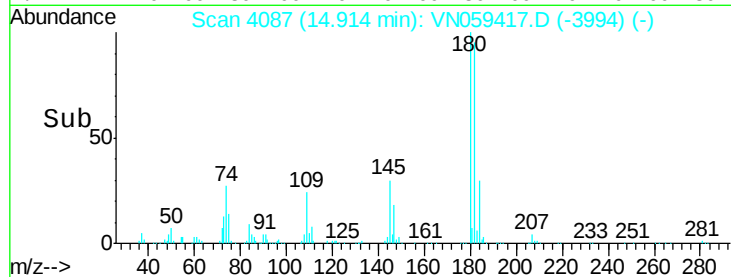
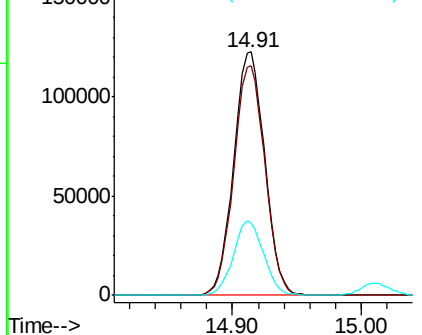
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	205227		
182	94.5	47.3	142.0	
145	29.8	14.8	44.4	

Manual Integrations
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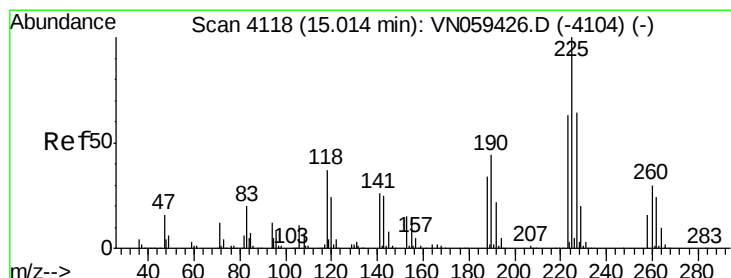


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



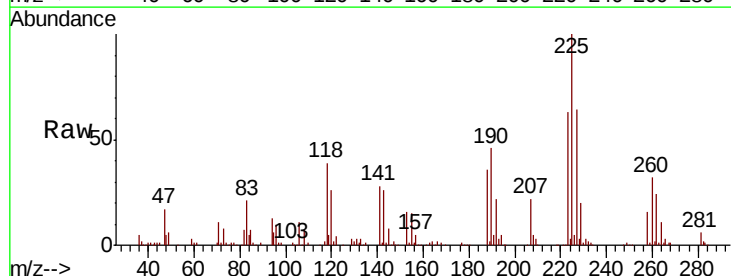
apatel

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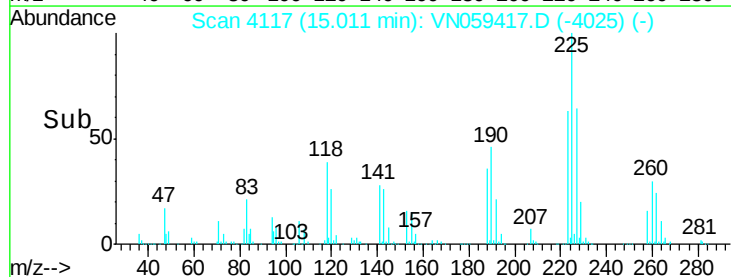
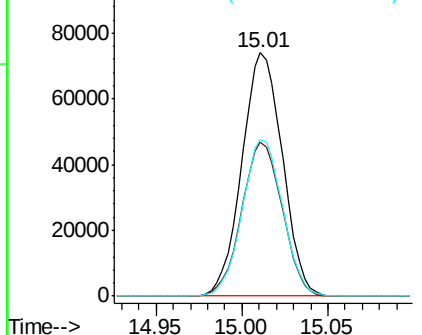


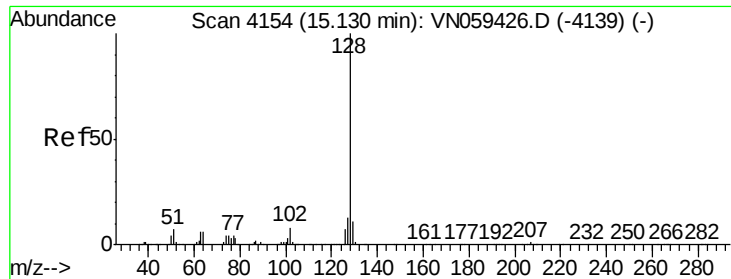
#94
Hexachlorobutadiene
Concen: 38.962 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121295		
223	63.4	31.5	94.5	
227	63.9	31.9	95.7	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



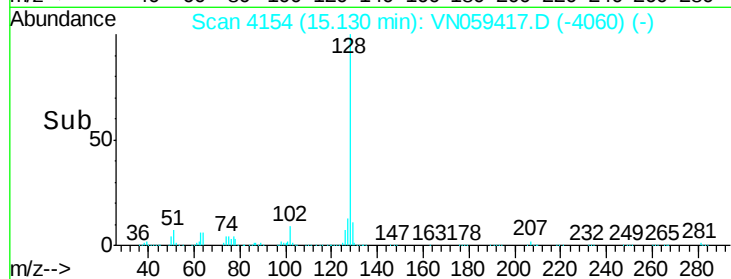
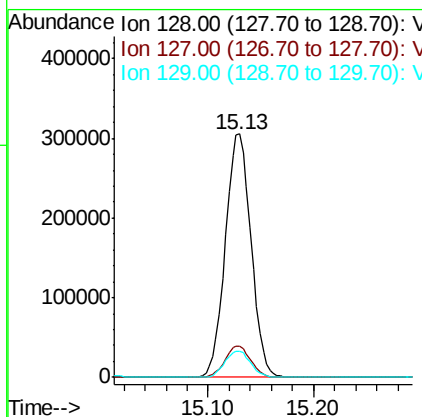
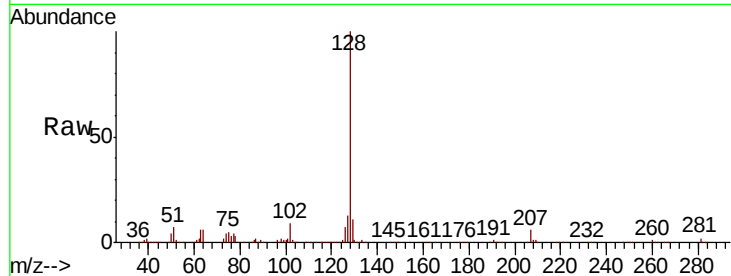


#95
Naphthalene
Concen: 46.180 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

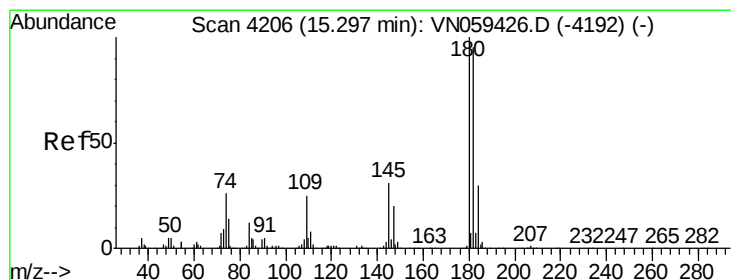
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.407 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.5	142.6
145	31.8	15.7	47.1

