

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054819.D
 Acq On : 30 Mar 2019 23:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:31:43 PM

Quant Time: Mar 31 04:46:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	418748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	721143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	624361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270622	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	305101	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
35) Dibromofluoromethane	7.59	113	237925	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.09	98	882564	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.40	95	295736	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	200405	47.314	ug/l	97
3) Chloromethane	2.06	50	283243	48.363	ug/l	99
4) Vinyl Chloride	2.19	62	260167	49.468	ug/l	99
5) Bromomethane	2.57	94	123863	44.681	ug/l	98
6) Chloroethane	2.71	64	143425	48.838	ug/l	100
7) Trichlorofluoromethane	3.02	101	329225	50.917	ug/l	99
8) Diethyl Ether	3.41	74	112949	54.249	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	167223	49.128	ug/l	93
10) Methyl Iodide	3.94	142	185836	39.881	ug/l #	89
11) Tert butyl alcohol	4.83	59	108071	367.456	ug/l	100
12) 1,1-Dichloroethene	3.73	96	171879	52.217	ug/l #	75
13) Acrolein	3.61	56	75853	288.496	ug/l	97
14) Allyl chloride	4.31	41	413818	51.040	ug/l #	91
15) Acrylonitrile	5.00	53	511200	312.711	ug/l	100
16) Acetone	3.82	43	360806	268.039	ug/l #	82
17) Carbon Disulfide	4.04	76	453143	42.445	ug/l	99
18) Methyl Acetate	4.33	43	237644	68.113	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	668294	58.042	ug/l	95
20) Methylene Chloride	4.55	84	249171	52.477	ug/l #	83
21) trans-1,2-Dichloroethene	5.03	96	229276	53.030	ug/l	87
22) Diisopropyl ether	5.96	45	903194	56.324	ug/l #	94
23) Vinyl Acetate	5.90	43	3409220	305.506	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	462698	54.091	ug/l	99
25) 2-Butanone	6.85	43	660598	331.995	ug/l #	89
26) 2,2-Dichloropropane	6.83	77	224736	37.485	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	267832	54.837	ug/l	91
28) Bromochloromethane	7.19	49	240703	56.274	ug/l #	71
29) Tetrahydrofuran	7.22	42	452056	327.102	ug/l #	83
30) Chloroform	7.37	83	452030	55.419	ug/l	99
31) Cyclohexane	7.65	56	420407	54.107	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	373170	55.207	ug/l	96
36) 1,1-Dichloropropene	7.79	75	332550	49.489	ug/l	96
37) Ethyl Acetate	6.94	43	294107	59.685	ug/l #	94
38) Carbon Tetrachloride	7.77	117	322062	49.346	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	348412	47.162	ug/l	88
40) Benzene	8.04	78	1012396	52.654	ug/l	99
41) Methacrylonitrile	7.18	41	164256	59.338	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	365207	53.196	ug/l	97
43) Isopropyl Acetate	8.17	43	499005	62.323	ug/l #	94
44) Trichloroethene	8.84	130	253156	50.720	ug/l	90
45) 1,2-Dichloropropane	9.12	63	285242	52.027	ug/l	98
46) Dibromomethane	9.21	93	166389	53.950	ug/l	89
47) Bromodichloromethane	9.40	83	349471	54.522	ug/l	97
48) Methyl methacrylate	9.20	41	251547	57.956	ug/l	89
49) 1,4-Dioxane	9.21	88	58378	1355.566	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	1466177	325.699	ug/l	92
52) Toluene	10.16	92	602917	52.697	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	320425	53.143	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	382788	53.147	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	232237	54.590	ug/l	97
56) Ethyl methacrylate	10.43	69	330789	59.274	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	403291	55.140	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	638632	265.013	ug/l	89
59) 2-Hexanone	10.75	43	930390	322.854	ug/l	90
60) Dibromochloromethane	10.90	129	244981	56.848	ug/l	100
61) 1,2-Dibromoethane	11.01	107	227828	56.038	ug/l	100
64) Tetrachloroethene	10.63	164	241028	50.307	ug/l	96
65) Chlorobenzene	11.43	112	619978	50.717	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	242055	52.902	ug/l	99
67) Ethyl Benzene	11.51	91	1126337	51.059	ug/l	97
68) m/p-Xylenes	11.62	106	828141	101.446	ug/l	94
69) o-Xylene	11.95	106	403588	50.417	ug/l	94
70) Styrene	11.96	104	680130	53.138	ug/l	97
71) Bromoform	12.13	173	156519	58.391	ug/l #	100
73) Isopropylbenzene	12.25	105	1076578	48.671	ug/l	98
74) N-amyl acetate	12.07	43	400375	58.100	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	293138	60.475	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	253271m	53.872	ug/l	
77) Bromobenzene	12.53	156	268017	50.205	ug/l	84
78) n-propylbenzene	12.59	91	1186673	48.811	ug/l	96
79) 2-Chlorotoluene	12.68	91	723974	48.134	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	871477	48.016	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	61422	50.819	ug/l	85
82) 4-Chlorotoluene	12.77	91	718546	49.185	ug/l	96
83) tert-Butylbenzene	12.99	119	752633	53.673	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	866774	50.128	ug/l	96
85) sec-Butylbenzene	13.17	105	947651	48.064	ug/l	96
86) p-Isopropyltoluene	13.29	119	826411	47.523	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	441083	49.350	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	429778	49.026	ug/l	98
89) n-Butylbenzene	13.62	91	663865	46.791	ug/l	97
90) Hexachloroethane	13.88	117	147110	49.826	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	441791	48.977	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45154	59.714	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	212882	48.952	ug/l	99
94) Hexachlorobutadiene	15.01	225	120511	46.651	ug/l	99
95) Naphthalene	15.13	128	532356	54.581	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	217551	49.534	ug/l	98

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

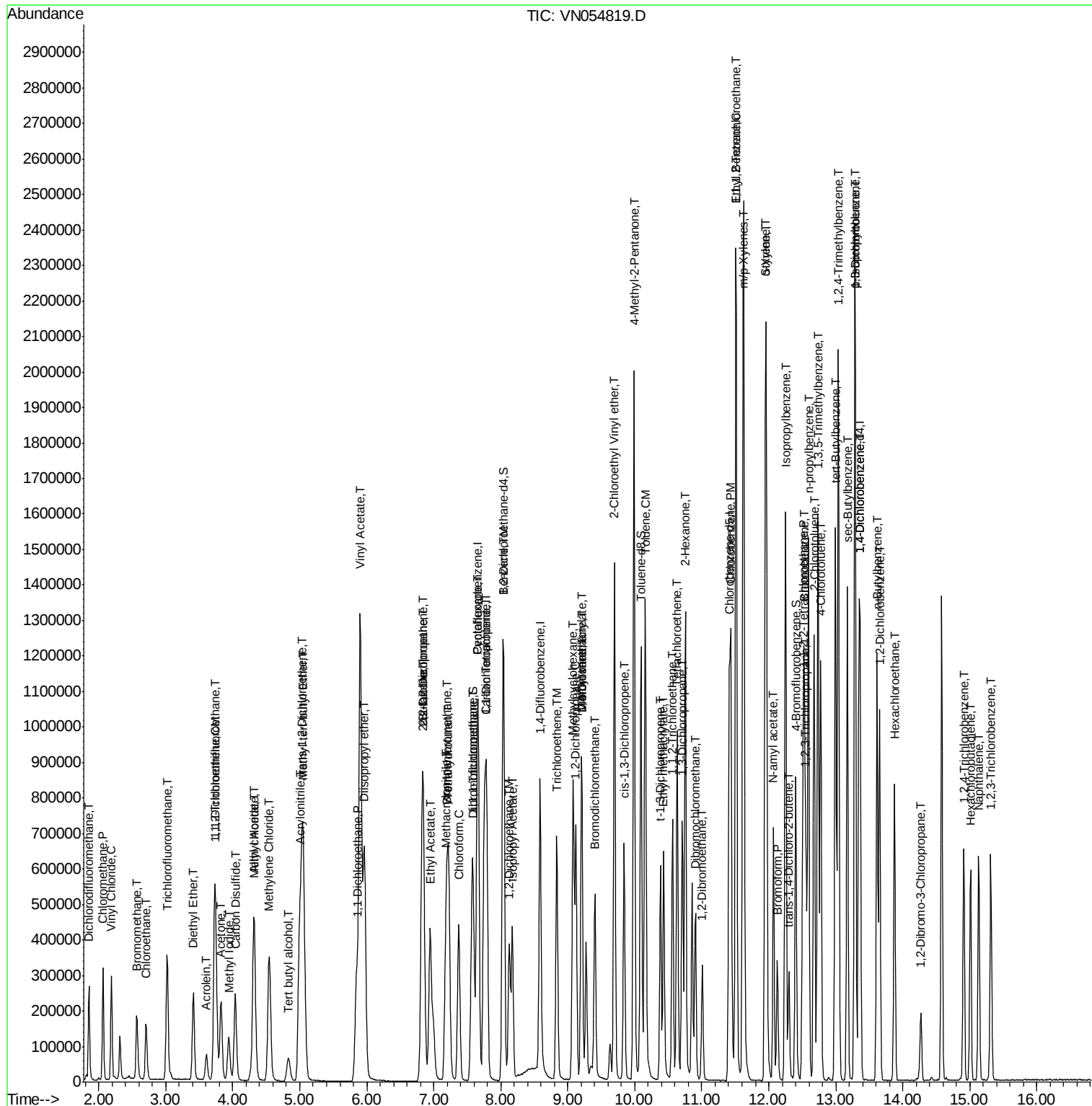
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 418748

Ion Ratio Lower Upper

168 100

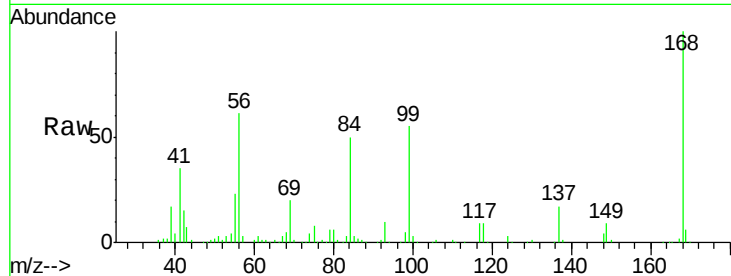
99 53.5 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

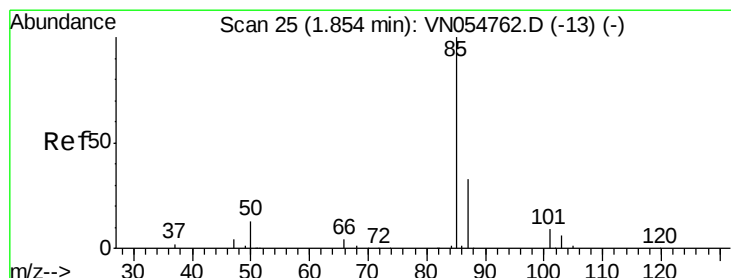
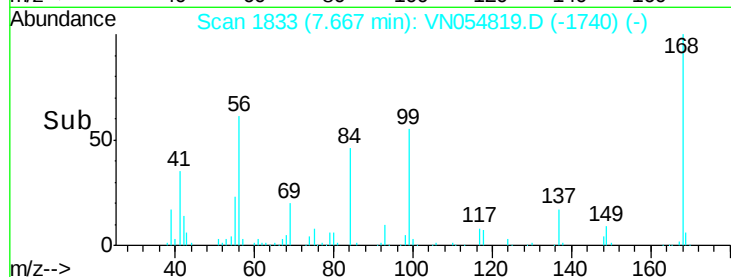
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 47.314 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054819.D

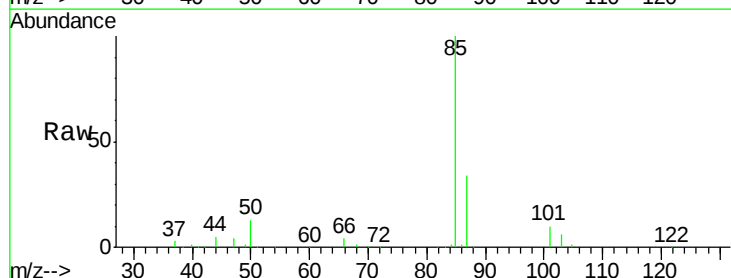
Acq: 30 Mar 2019 23:04

Tgt Ion: 85 Resp: 200405

Ion Ratio Lower Upper

85 100

87 33.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

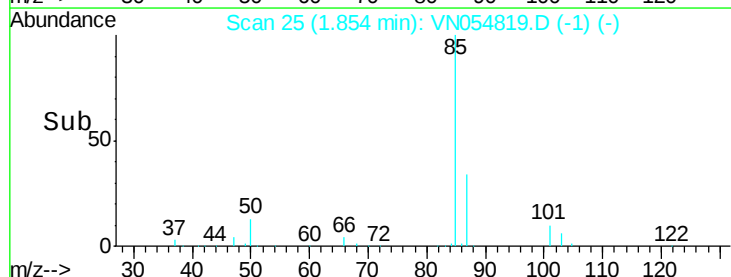
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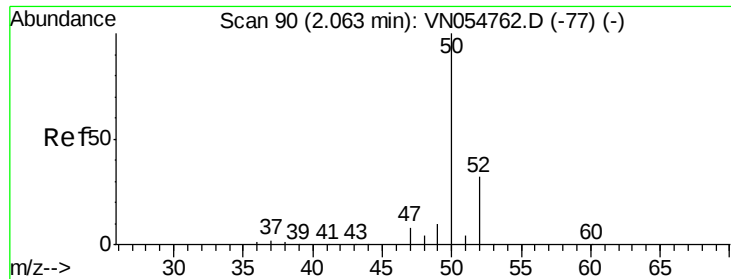
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 48.363 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 283243

Ion Ratio Lower Upper

50 100

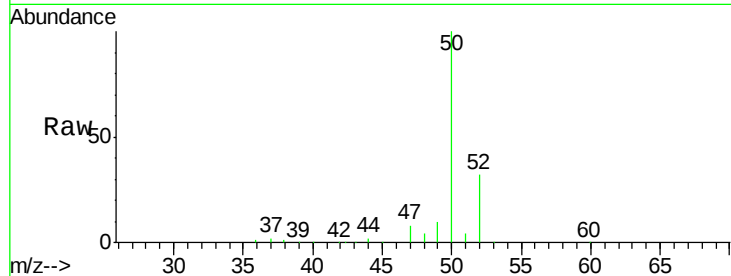
52 32.3 26.4 39.6

Manual Integrations

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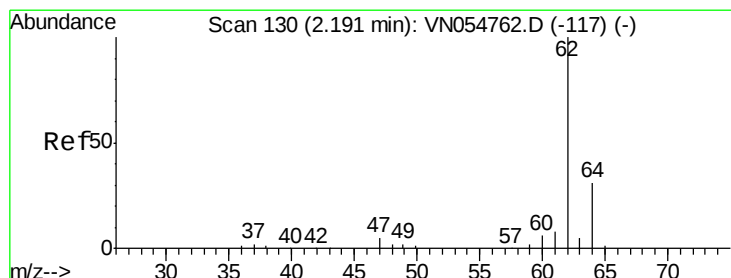
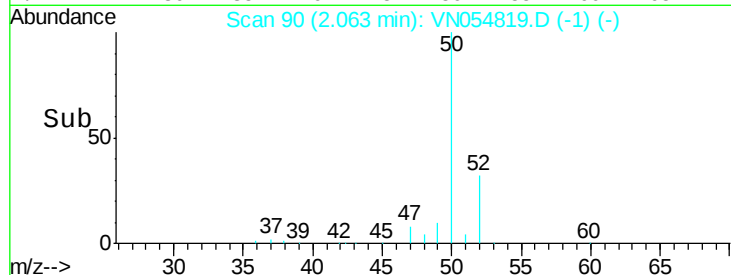
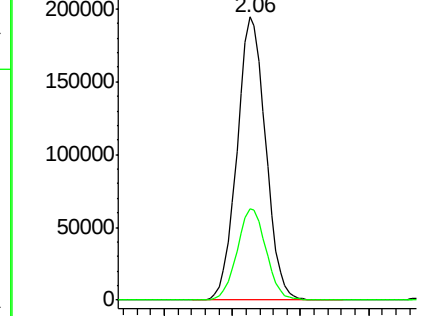
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.468 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054819.D

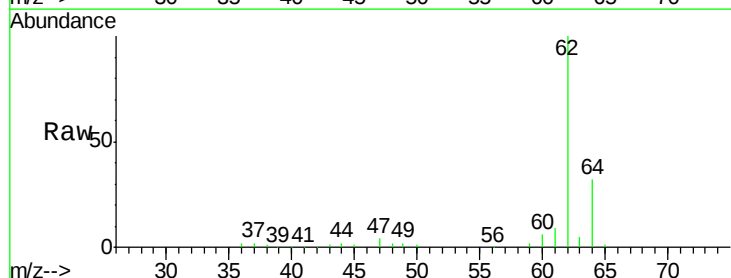
Acq: 30 Mar 2019 23:04

Tgt Ion: 62 Resp: 260167

Ion Ratio Lower Upper

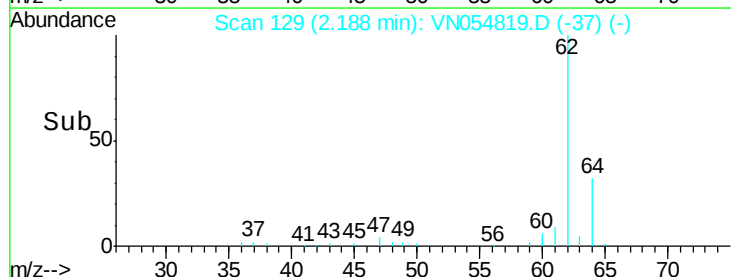
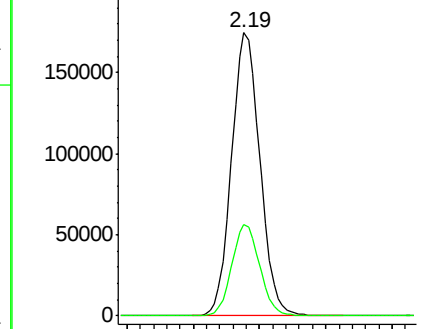
62 100

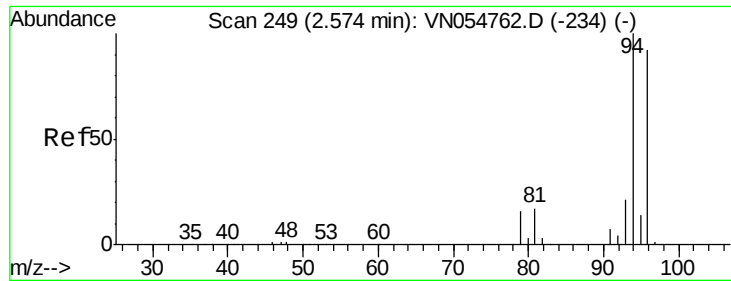
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 44.681 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

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VSTDCCC050

Tot Ion: 94 Resp: 123863

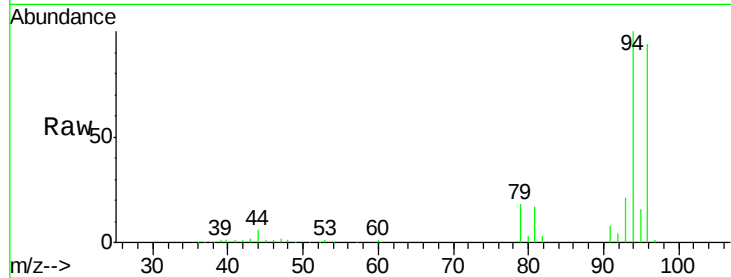
Ion Ratio Lower Upper

94 100

96 93.8 77.0 115.4

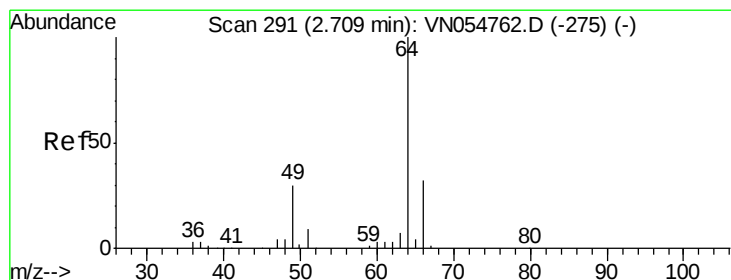
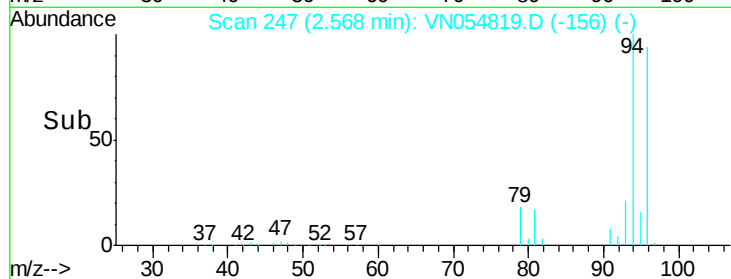
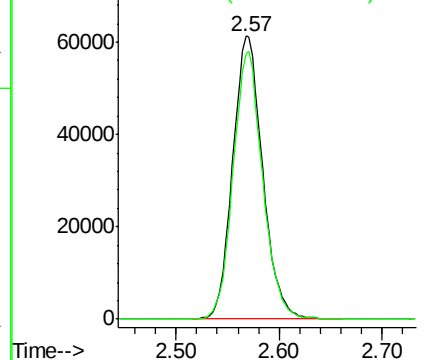
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.838 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054819.D

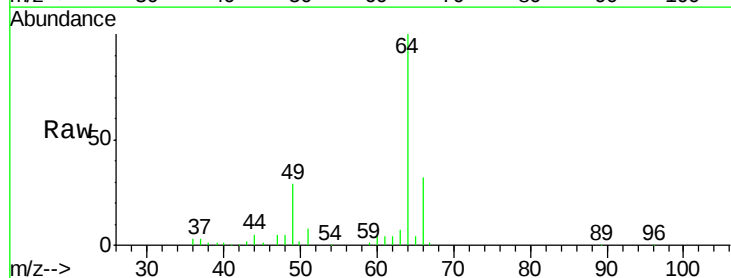
Acq: 30 Mar 2019 23:04

Tgt Ion: 64 Resp: 143425

Ion Ratio Lower Upper

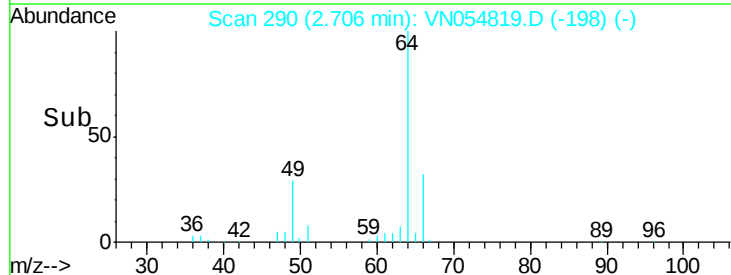
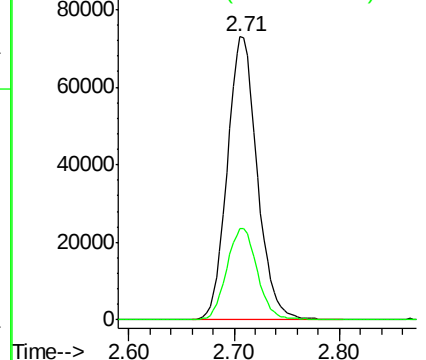
64 100

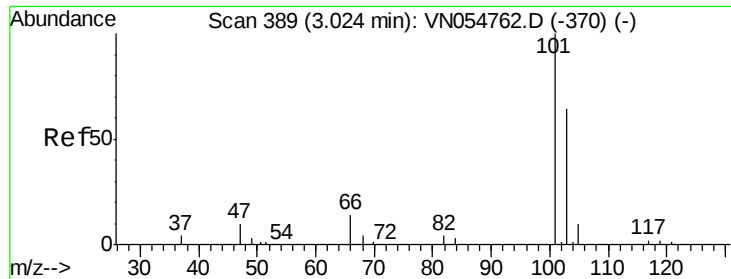
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

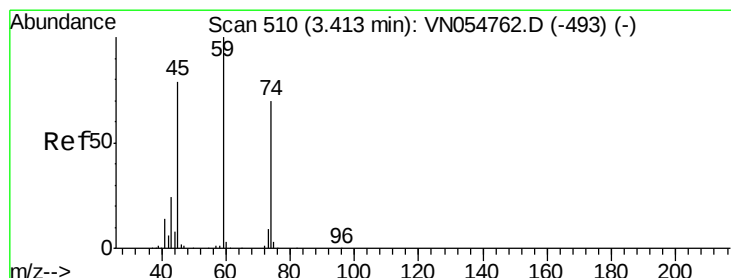
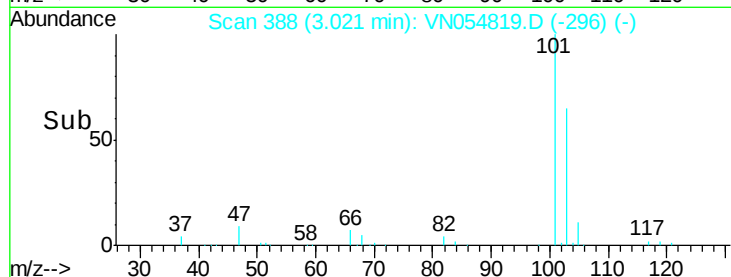
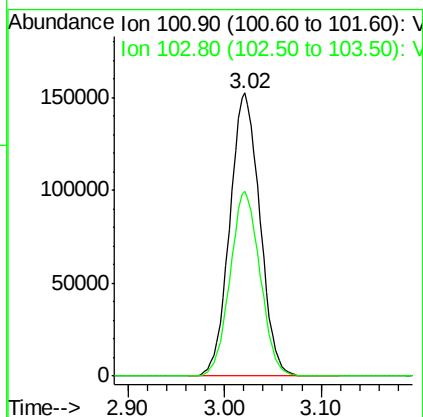
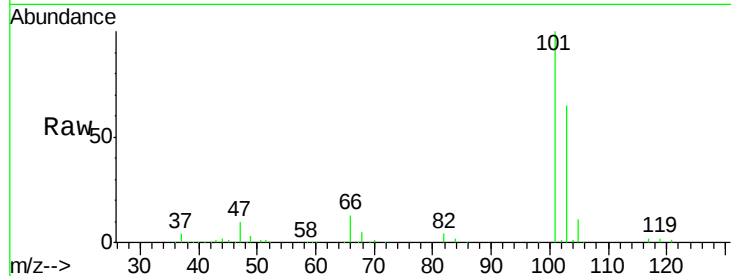
Trichlorofluoromethane
Concen: 50.917 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054819.D
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Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 329225
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.2

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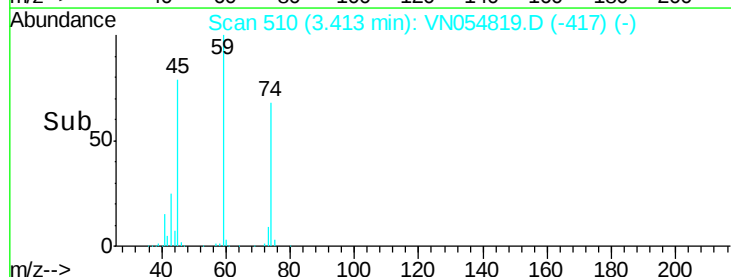
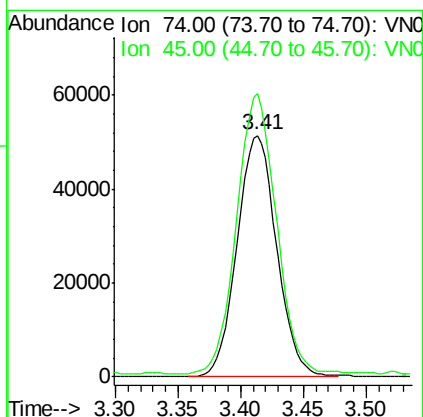
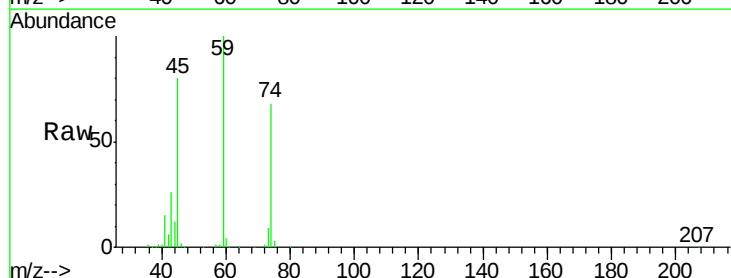
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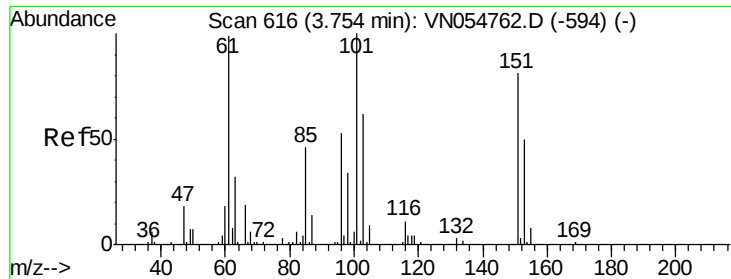


#8

Diethyl Ether
Concen: 54.249 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 74 Resp: 112949
Ion Ratio Lower Upper
74 100
45 116.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.128 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

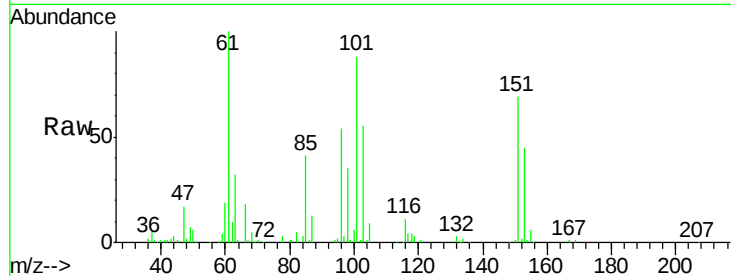
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	167223
Ion Ratio	Lower	Upper	
101	100		
85	45.3	32.4	48.6
151	78.8	68.2	102.2

Manual Integrations
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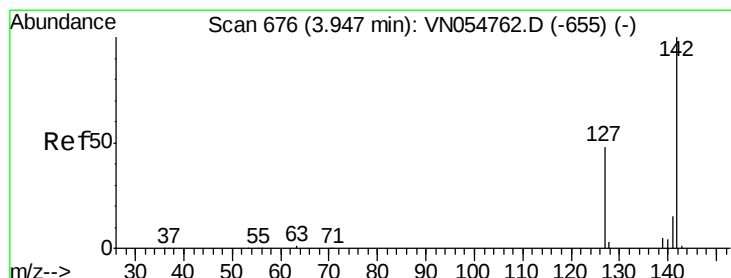
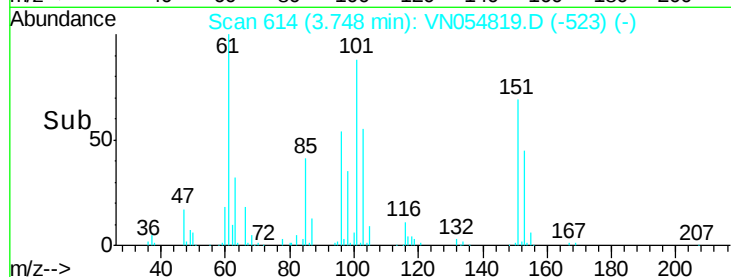
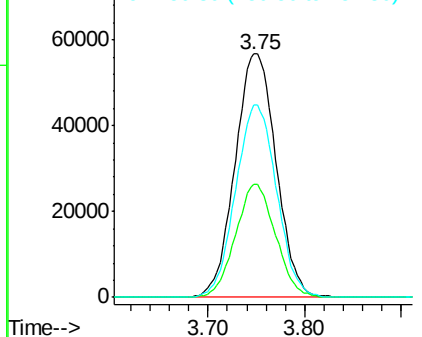
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.881 ug/l

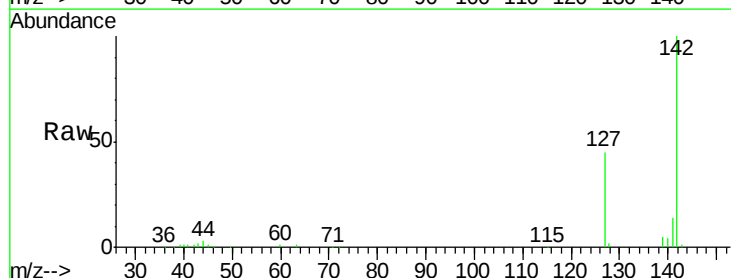
RT: 3.94 min Scan# 674

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

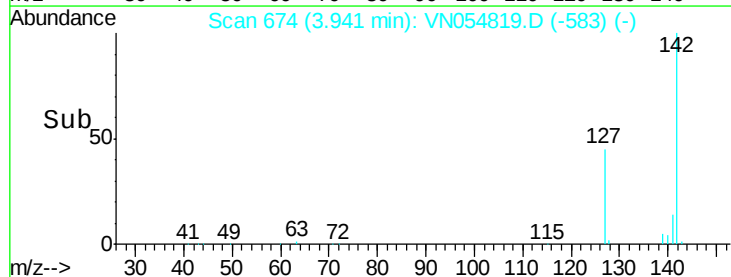
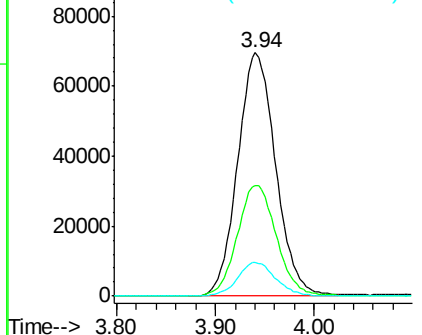
Tgt Ion:	142	Resp:	185836
Ion Ratio	Lower	Upper	
142	100		
127	46.9	30.3	45.5#
141	14.0	11.2	16.8

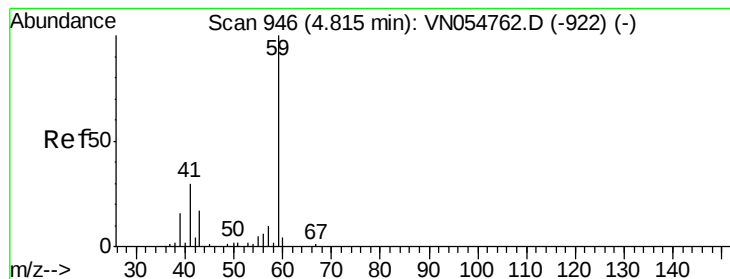


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

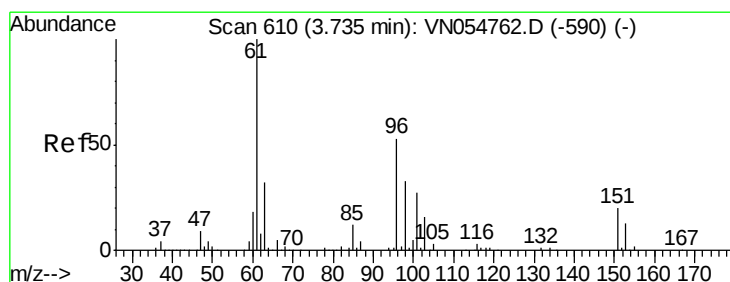
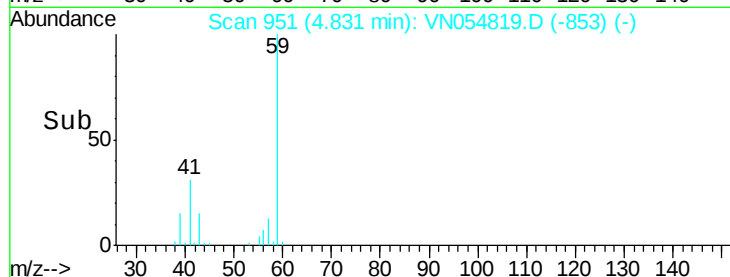
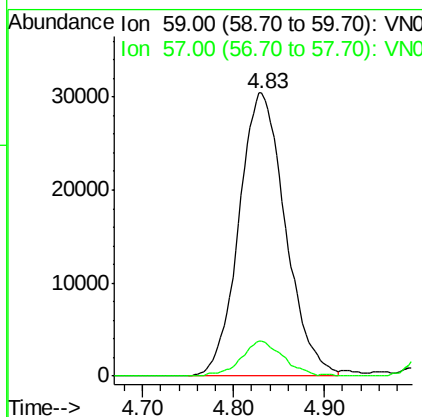
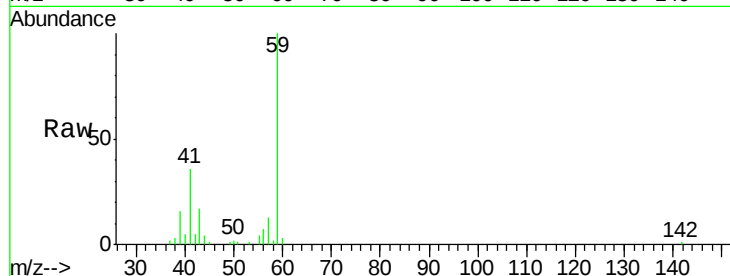
Tert butyl alcohol
 Concen: 367.456 ug/l
 RT: 4.83 min Scan# 951
 Delta R.T. 0.02 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	108071
Ion Ratio	59	100	
Lower	57	11.2	9.0
Upper			13.6

Manual Integrations
 APPROVED

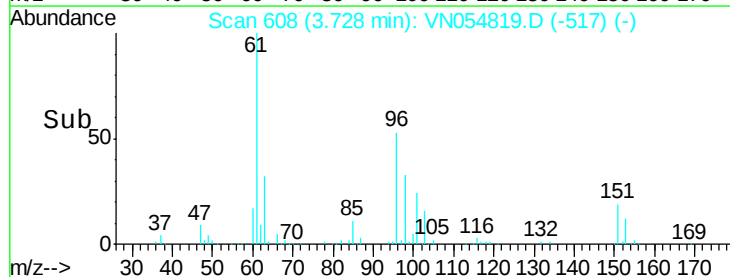
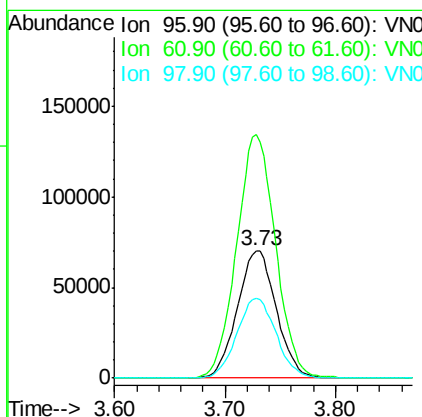
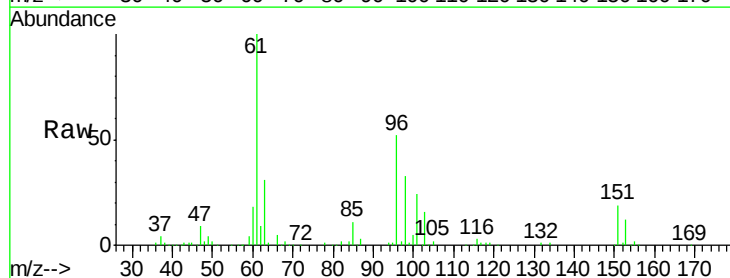
MMDadoda
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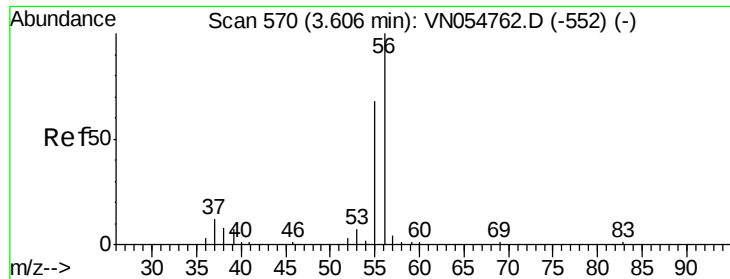


#12

1,1-Dichloroethene
 Concen: 52.217 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion	96	Resp	171879
Ion Ratio	96	100	
Lower	61	190.4	116.5
Upper	98	62.9	51.0
			174.7#
			76.4





#13

Acrolein

Concen: 288.496 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 75853

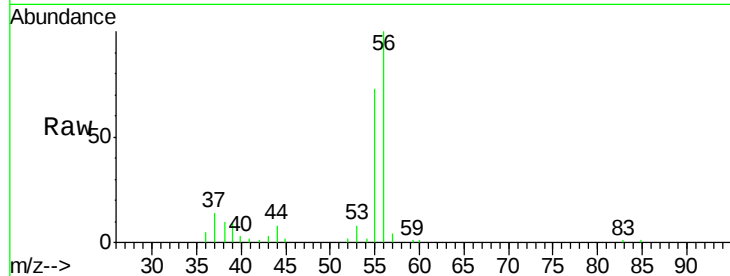
Ion Ratio Lower Upper

56 100

55 73.3 56.7 85.1

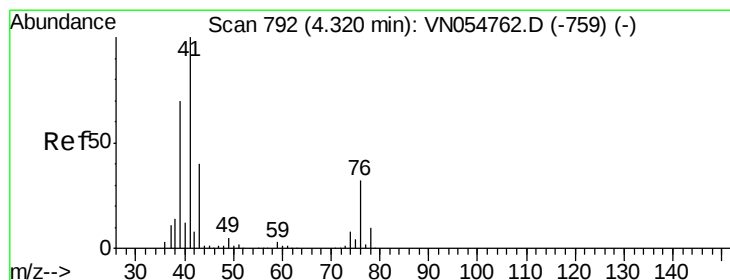
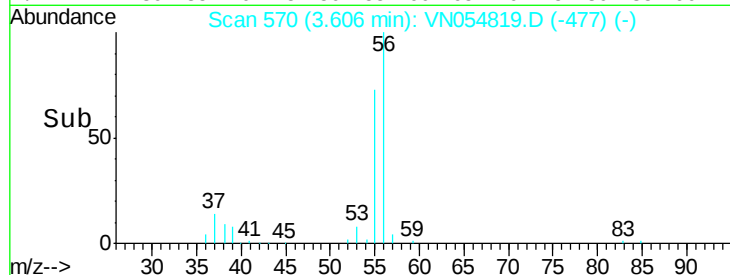
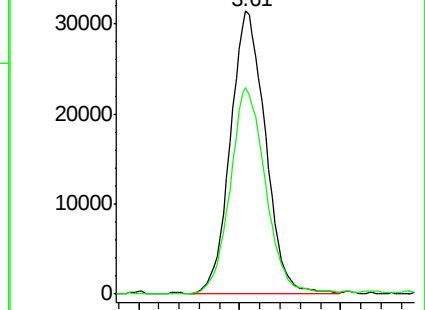
Manual Integrations
APPROVED

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4/1/2019 1:31:43 PM



Abundance Ion 56.00 (55.70 to 56.70): VN054819.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN054819.D (-477) (-)



#14

Allyl chloride

Concen: 51.040 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

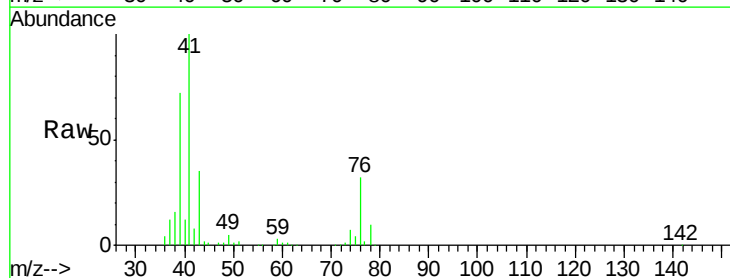
Tgt Ion: 41 Resp: 413818

Ion Ratio Lower Upper

41 100

39 69.1 58.2 87.4

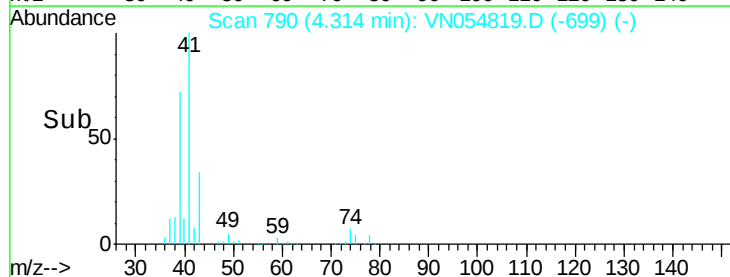
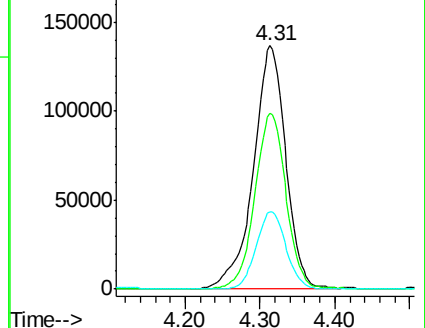
76 29.3 31.7 47.5#

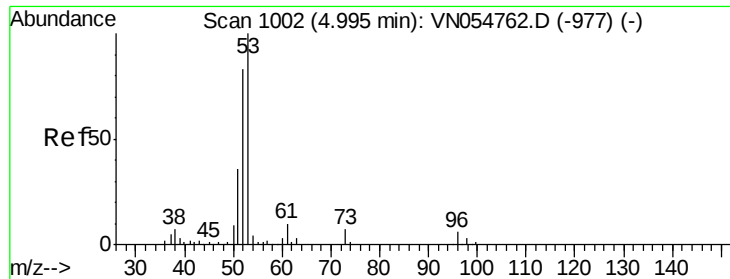


Abundance Ion 41.00 (40.70 to 41.70): VN054819.D (-699) (-)

Ion 39.00 (38.70 to 39.70): VN054819.D (-699) (-)

Ion 75.90 (75.60 to 76.60): VN054819.D (-699) (-)





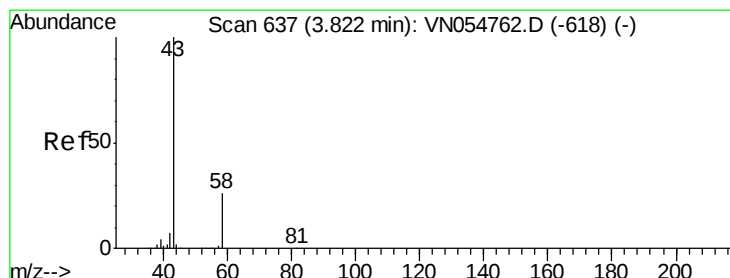
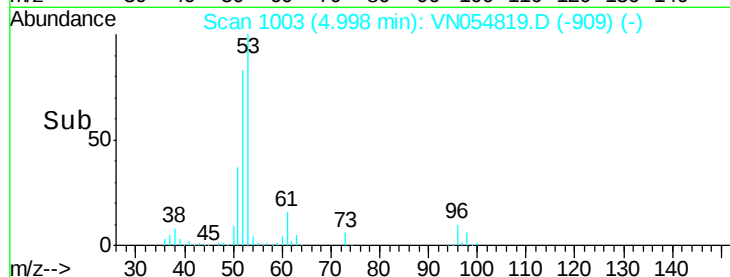
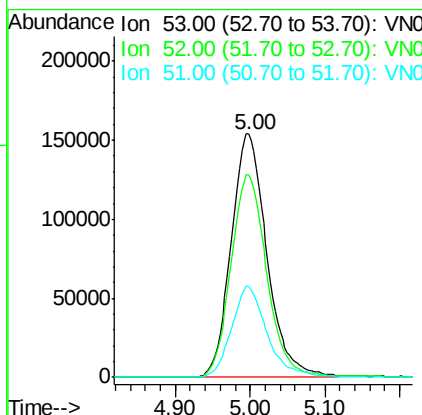
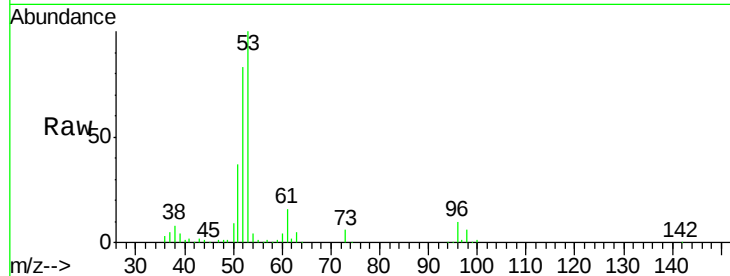
#15
 Acrylonitrile
 Concen: 312.711 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.4	99.6
51	37.2	29.6	44.4

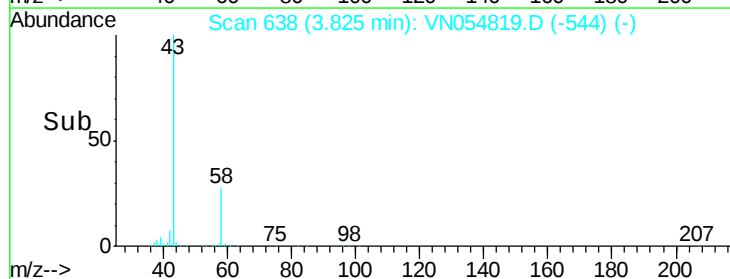
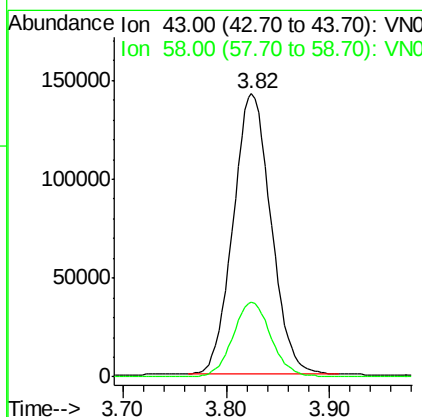
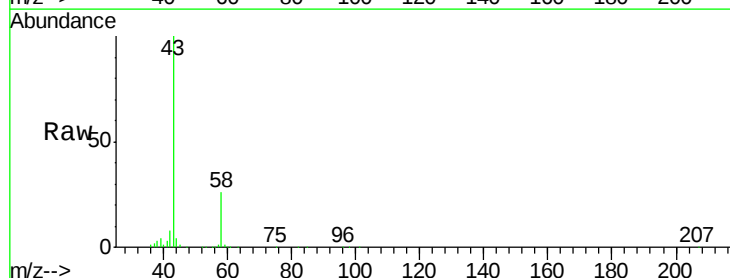
Manual Integrations
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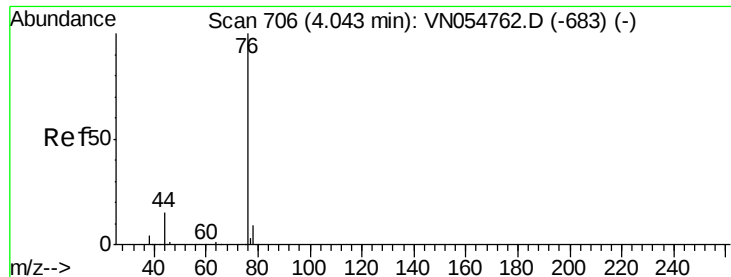
MMDadoda
 4/1/2019 1:31:43 PM



#16
 Acetone
 Concen: 268.039 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.5	29.9	44.9#





#17

Carbon Disulfide

Concen: 42.445 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 453143

Ion Ratio Lower Upper

76 100

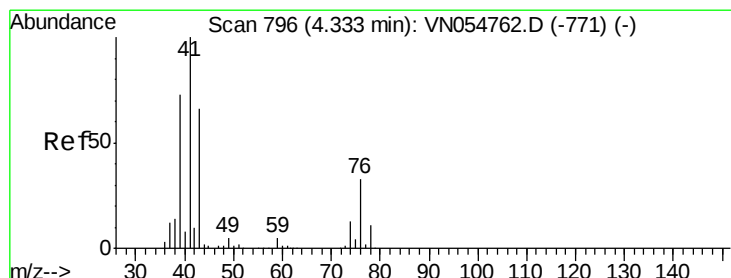
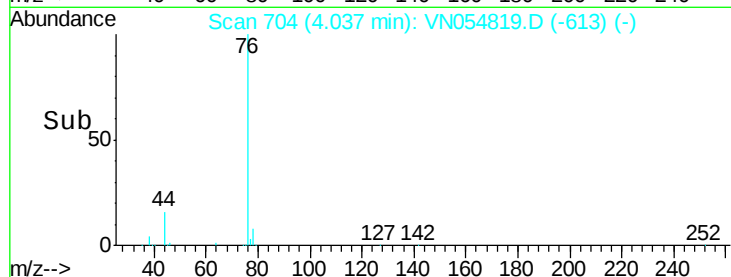
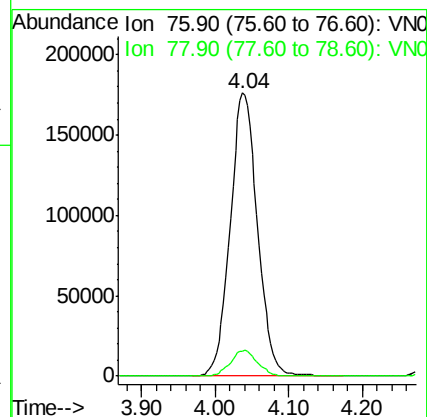
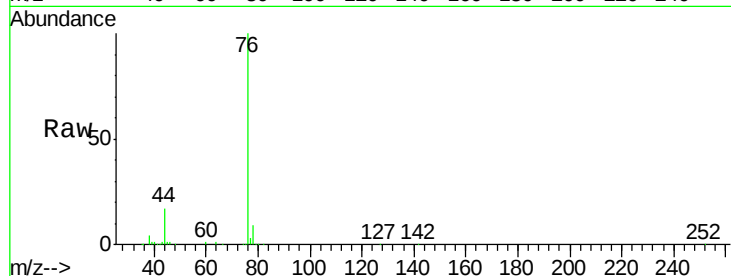
78 8.9 7.5 11.3

Manual Integrations

APPROVED

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4/1/2019 1:31:43 PM



#18

Methyl Acetate

Concen: 68.113 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054819.D

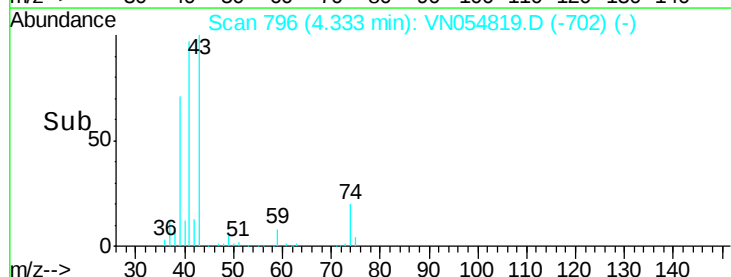
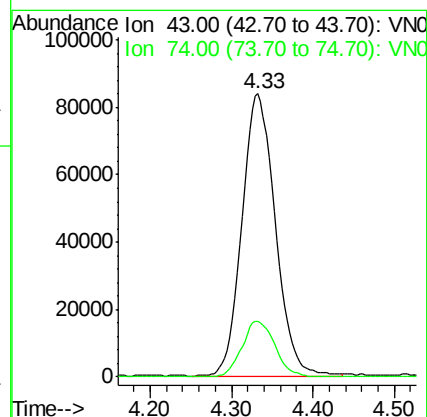
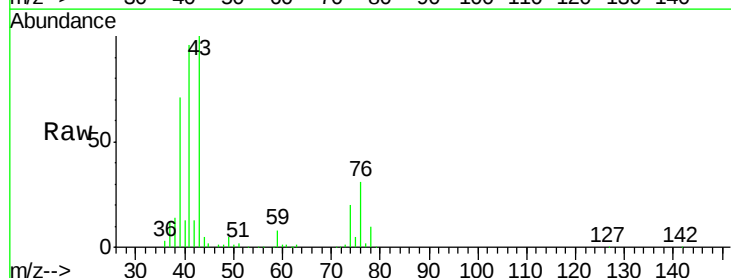
Acq: 30 Mar 2019 23:04

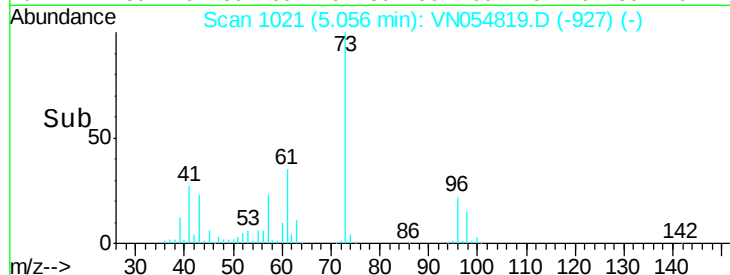
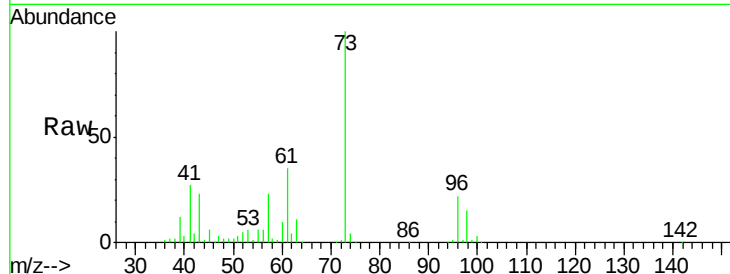
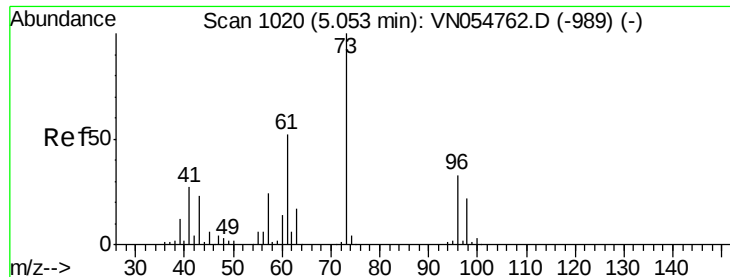
Tgt Ion: 43 Resp: 237644

Ion Ratio Lower Upper

43 100

74 19.7 20.8 31.2#





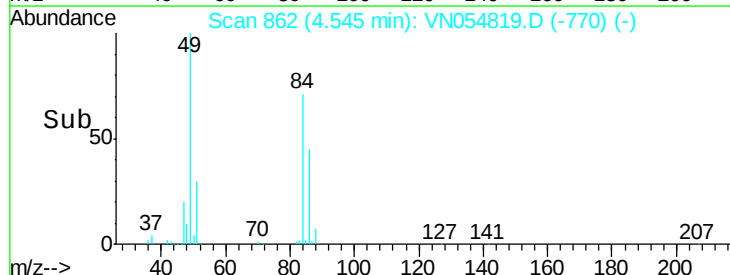
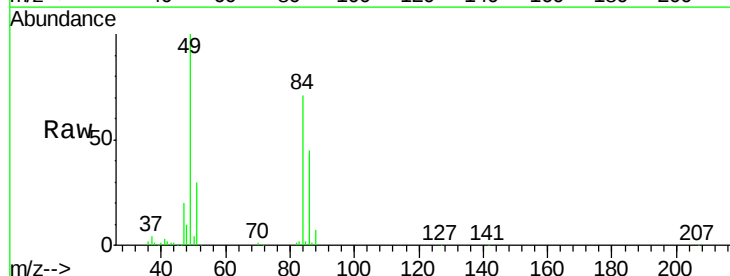
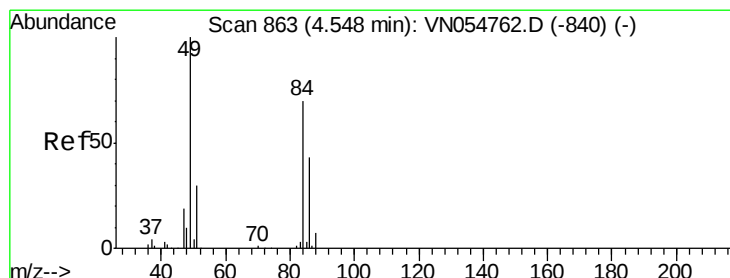
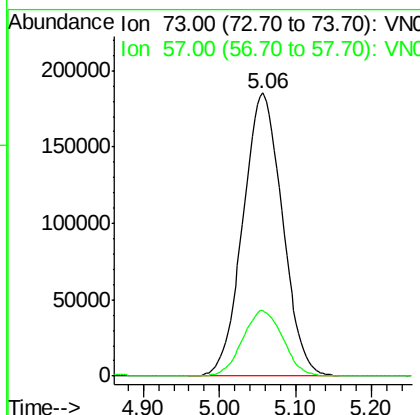
#19
Methvl tert-butvl Ether
Concen: 58.042 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tot Ion: 73 Resp: 668294
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

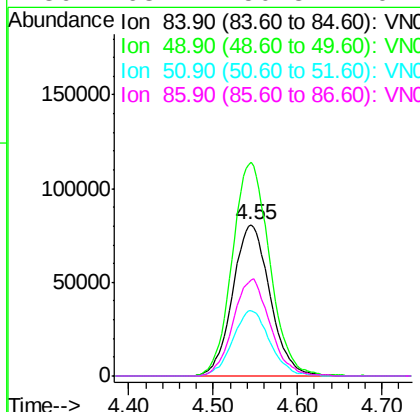
Manual Integrations
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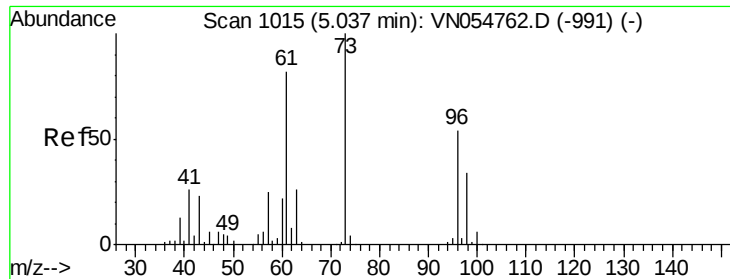
MMDadoda
4/1/2019 1:31:43 PM



#20
Methylene Chloride
Concen: 52.477 ug/l
RT: 4.55 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 84 Resp: 249171
Ion Ratio Lower Upper
84 100
49 141.0 89.7 134.5#
51 42.9 28.2 42.4#
86 63.7 50.8 76.2





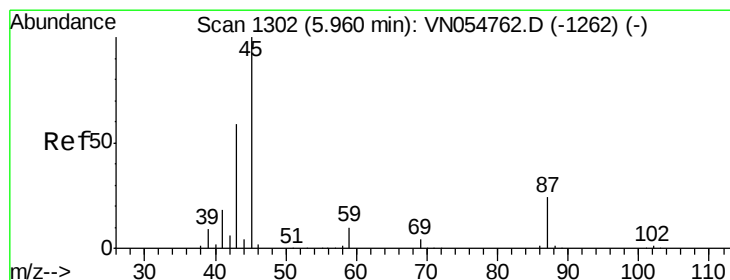
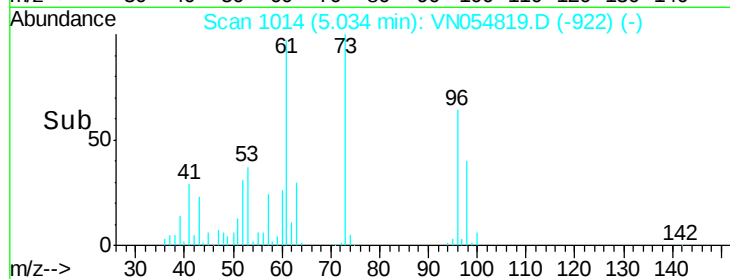
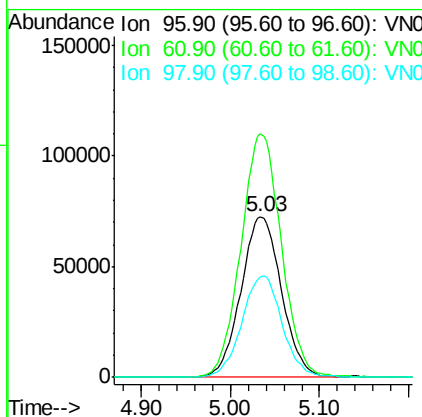
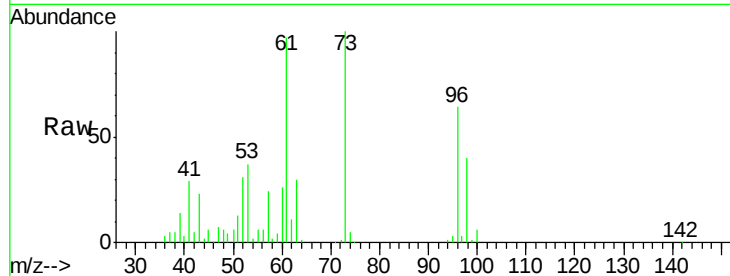
#21
trans-1,2-Dichloroethene
Concen: 53.030 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.6	102.8	154.2
98	62.5	50.0	75.0

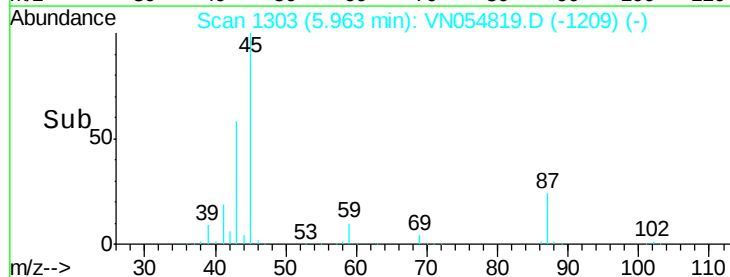
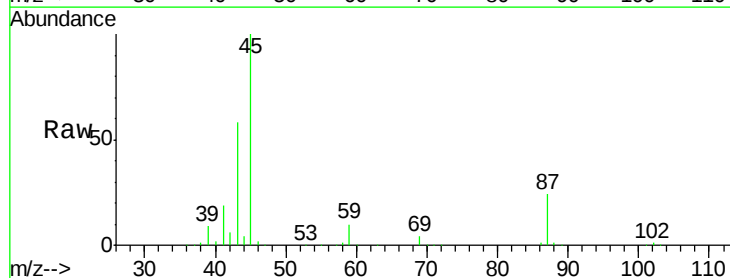
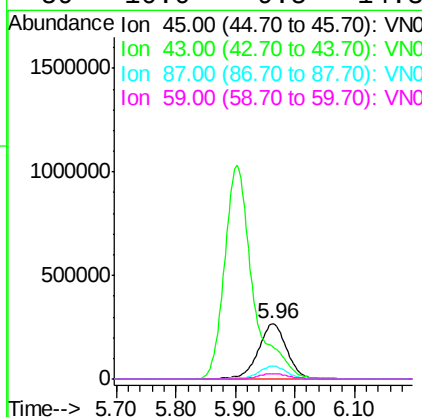
Manual Integrations
APPROVED

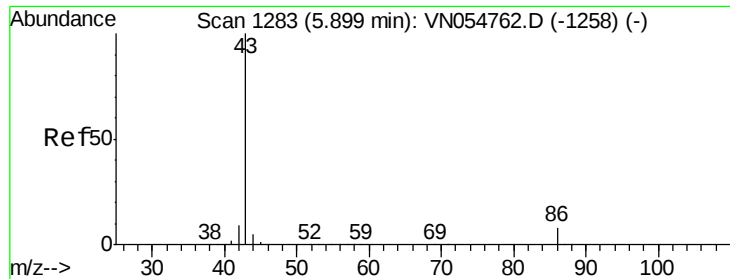
MMDadoda
4/1/2019 1:31:43 PM



#22
Diisopropyl ether
Concen: 56.324 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	48.2	72.2
87	23.4	24.9	37.3#
59	10.0	9.5	14.3





#23

Vinyl Acetate

Concen: 305.506 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3409220

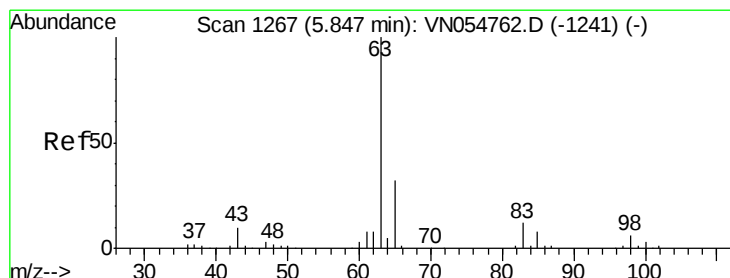
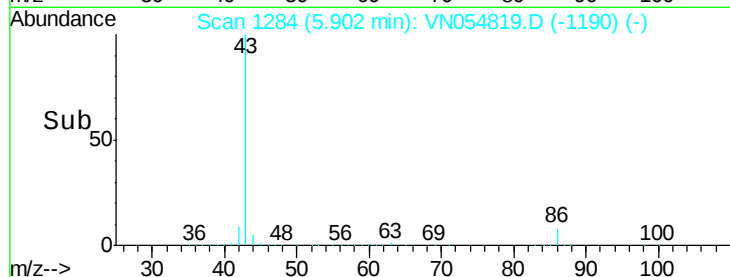
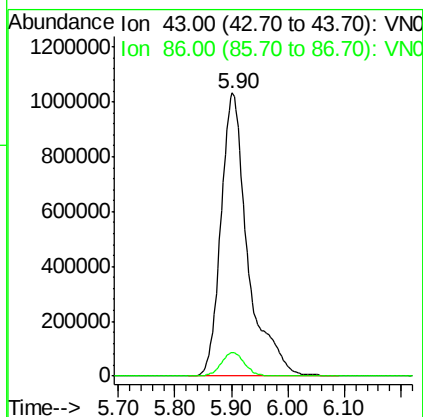
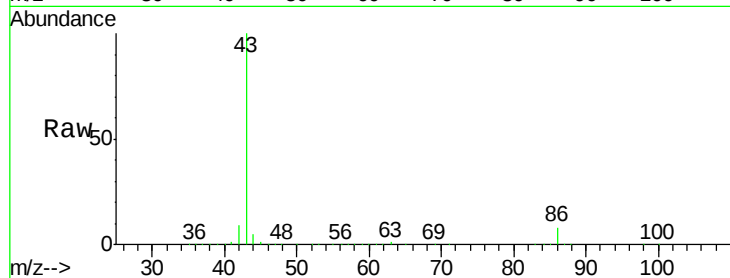
Ion Ratio Lower Upper

43 100

86 8.3 9.1 13.7#

Manual Integrations
APPROVED

MMDadoda
4/1/2019 1:31:43 PM



#24

1,1-Dichloroethane

Concen: 54.091 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

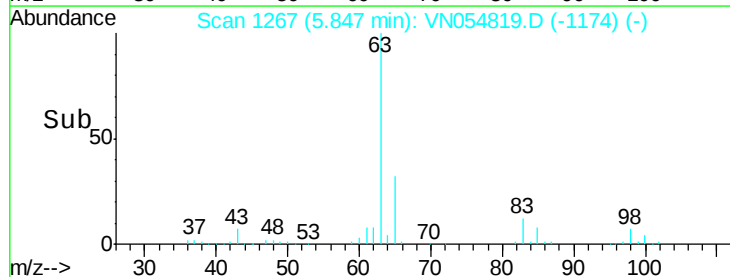
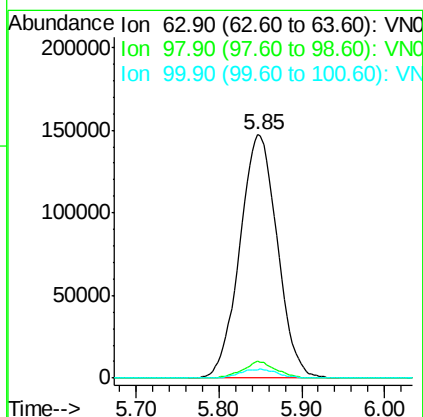
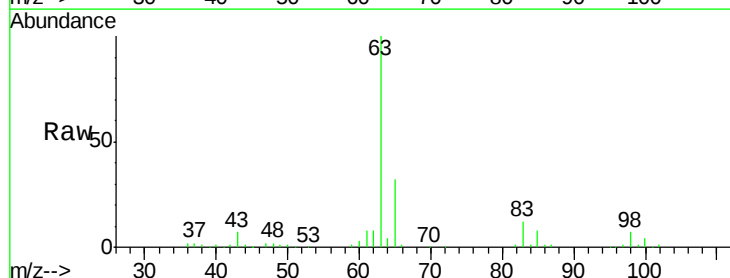
Tgt Ion: 63 Resp: 462698

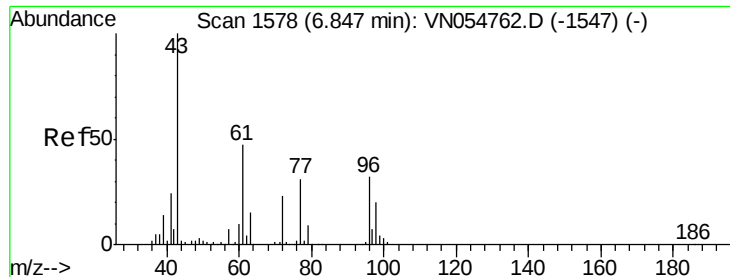
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 331.995 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 660598

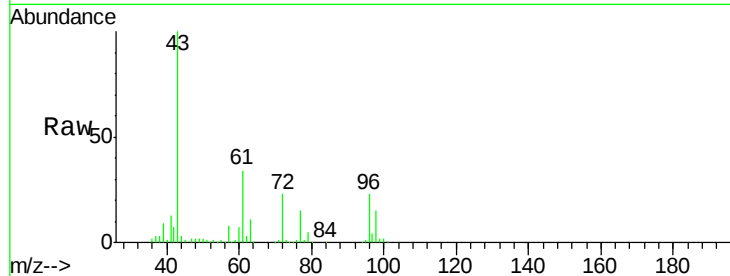
Ion Ratio Lower Upper

43 100

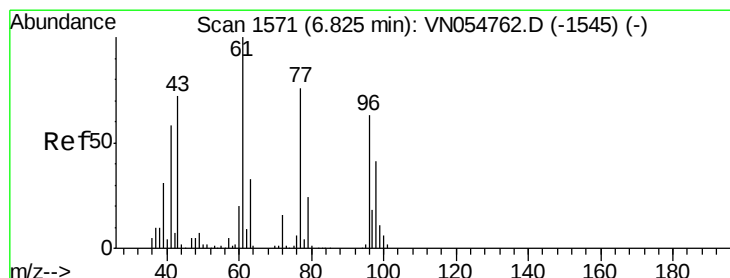
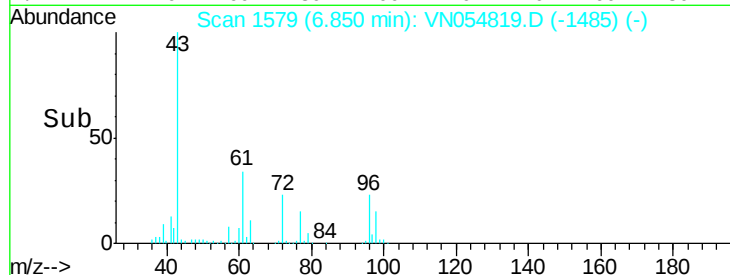
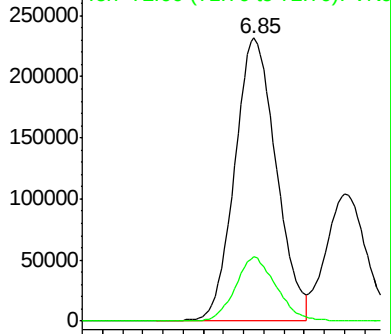
72 22.7 23.0 34.6#

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Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-1547) (-)



#26

2,2-Dichloropropane

Concen: 37.485 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054819.D

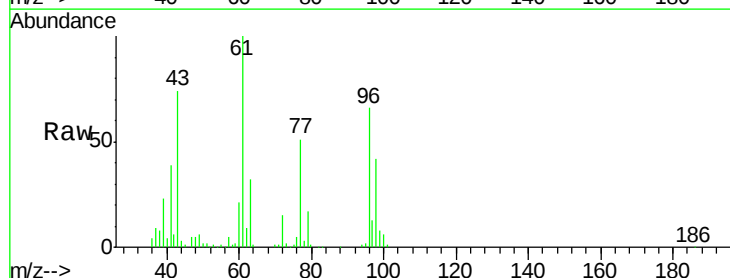
Acq: 30 Mar 2019 23:04

Tgt Ion: 77 Resp: 224736

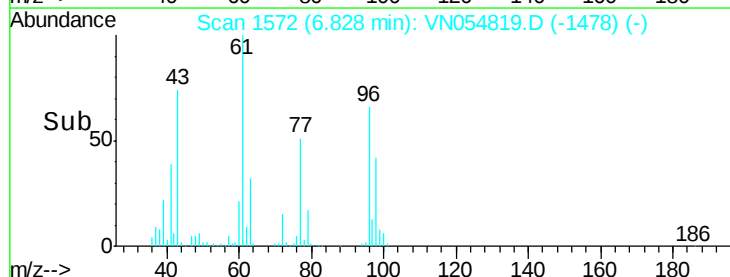
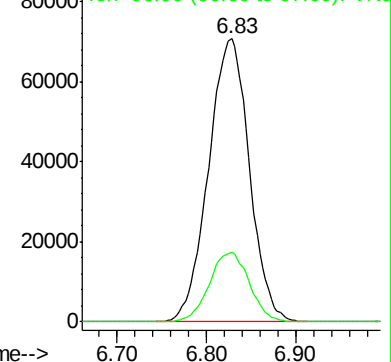
Ion Ratio Lower Upper

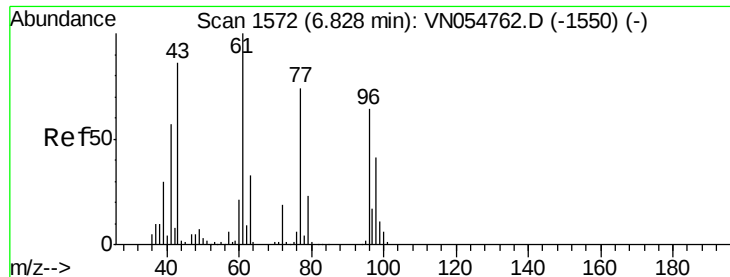
77 100

97 24.2 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN054819.D (-1478) (-)





#27

cis-1,2-Dichloroethene

Concen: 54.837 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

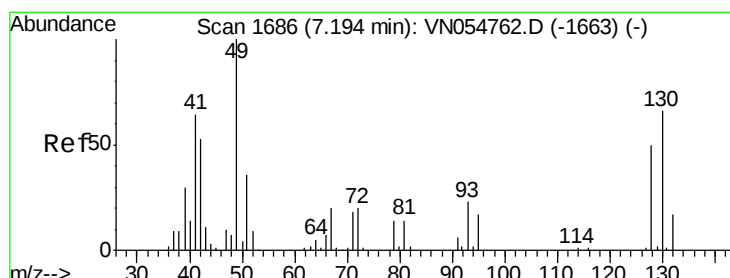
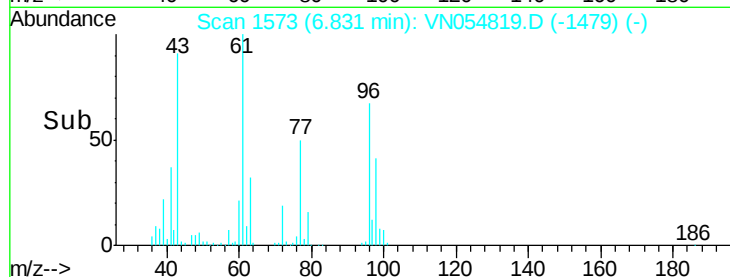
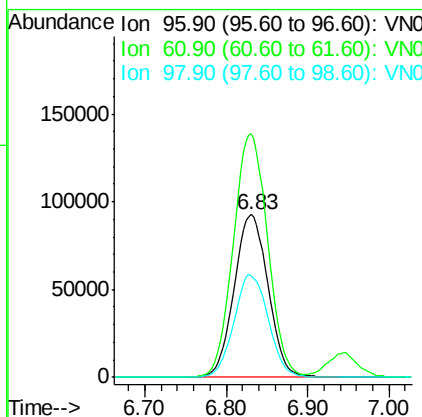
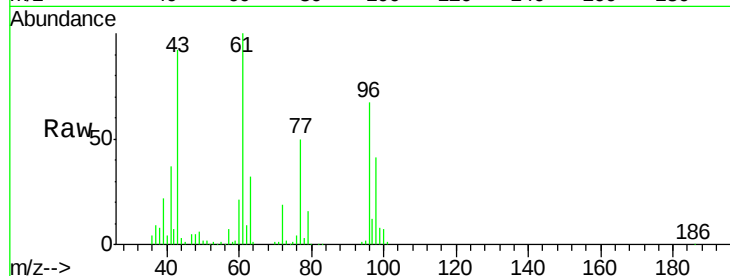
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	267832
Ion	Ratio	Lower	Upper
96	100		
61	151.2	0.0	273.0
98	63.8	0.0	130.6

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#28

Bromochloromethane

Concen: 56.274 ug/l

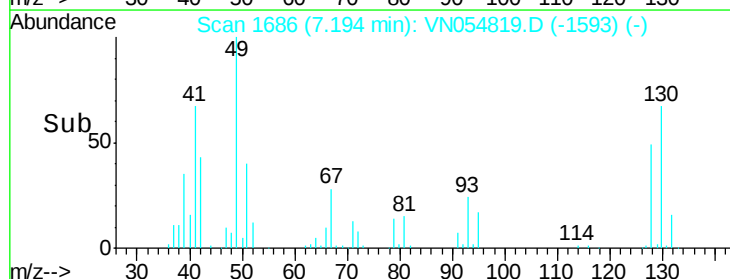
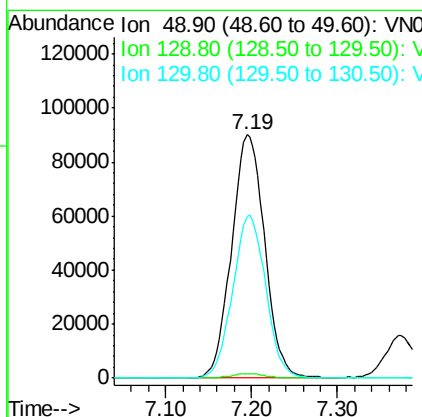
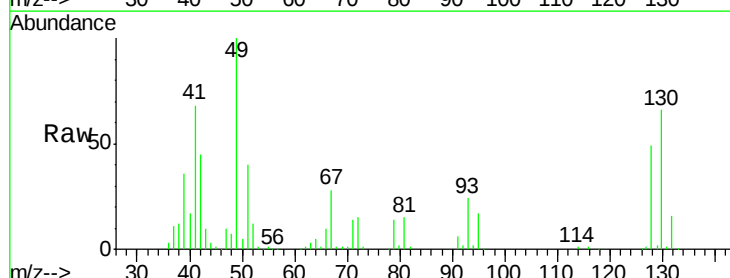
RT: 7.19 min Scan# 1686

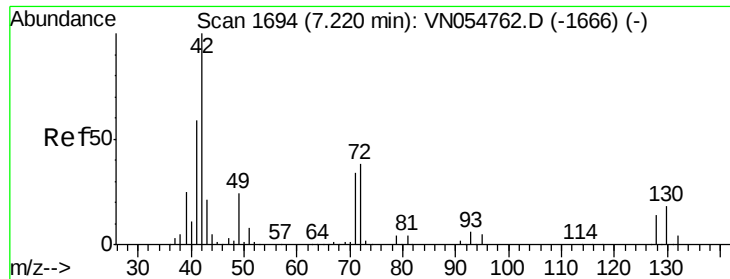
Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Tgt Ion:	49	Resp:	240703
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	66.7	76.7	115.1#





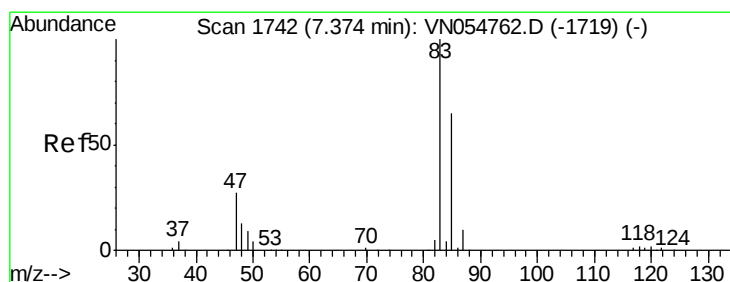
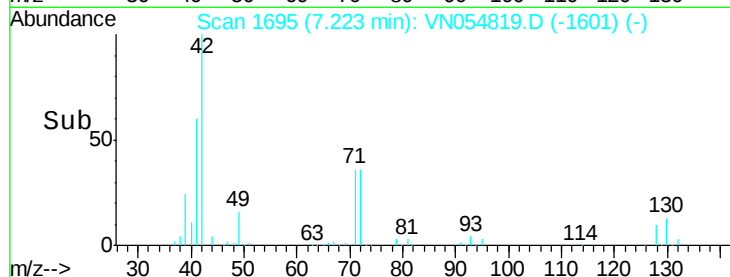
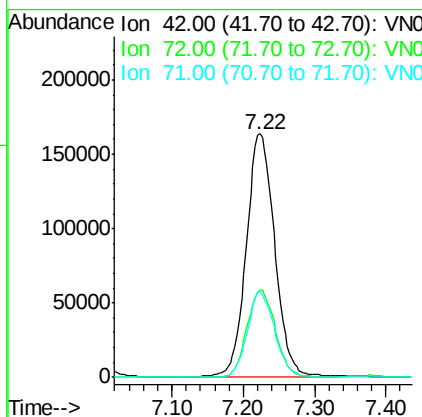
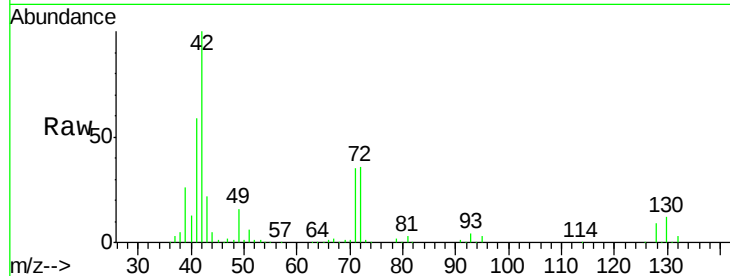
#29
Tetrahydrofuran
Concen: 327.102 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	37.8	56.6#
71	34.0	36.2	54.2#

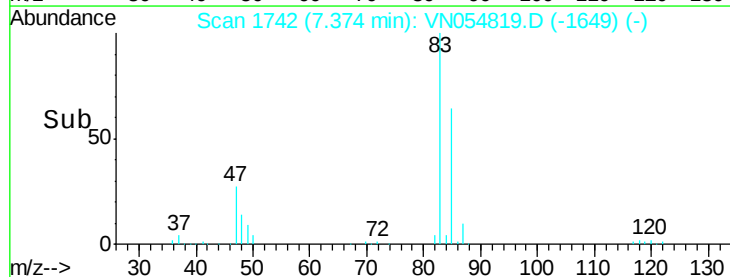
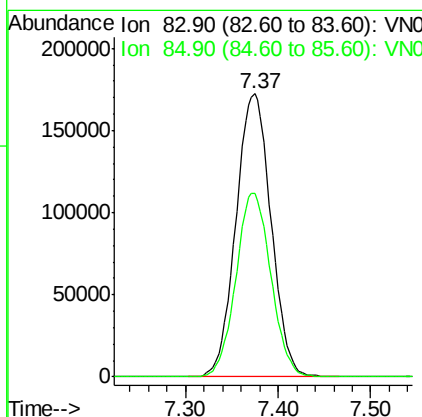
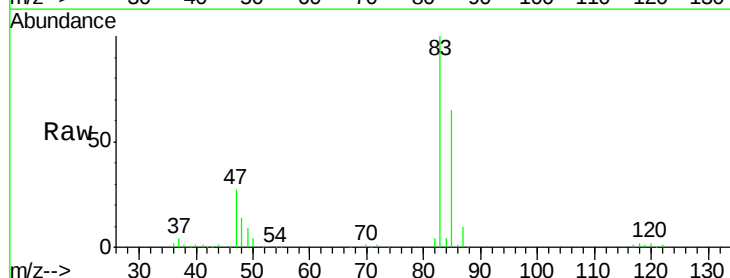
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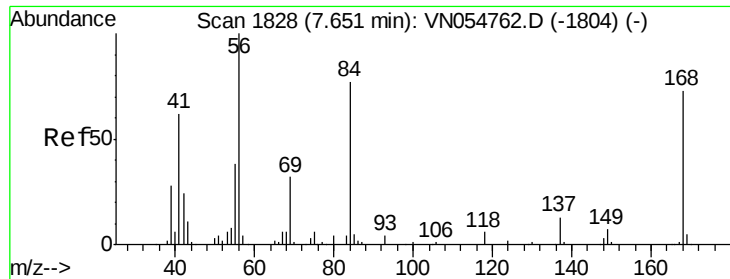
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4/1/2019 1:31:43 PM



#30
Chloroform
Concen: 55.419 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4





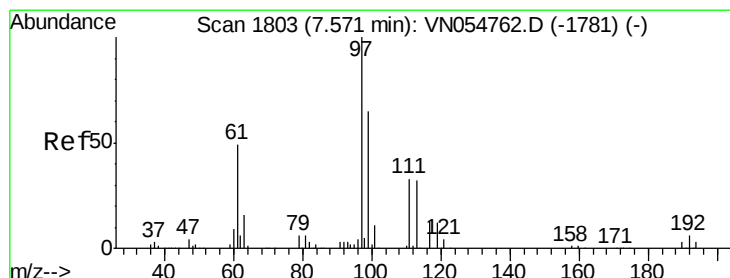
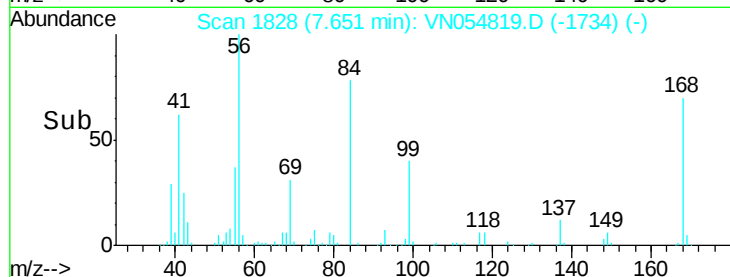
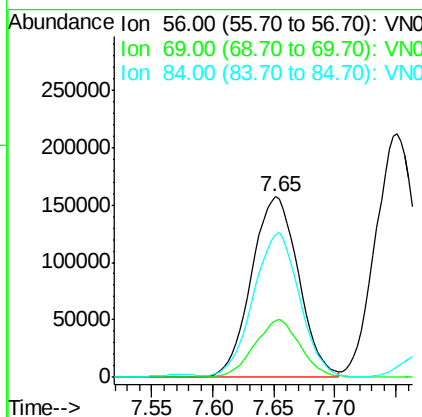
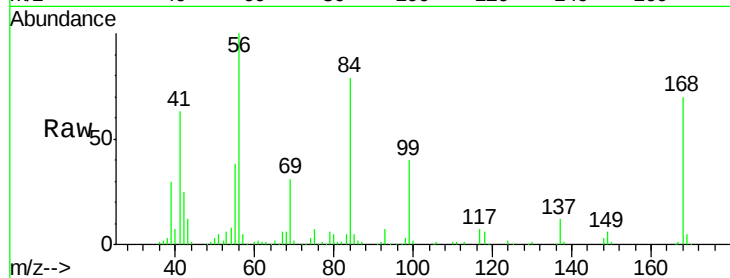
#31
Cyclohexane
Concen: 54.107 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	27.8	41.6
84	77.7	74.6	111.8

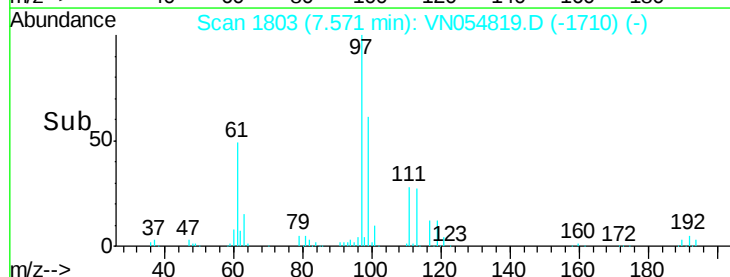
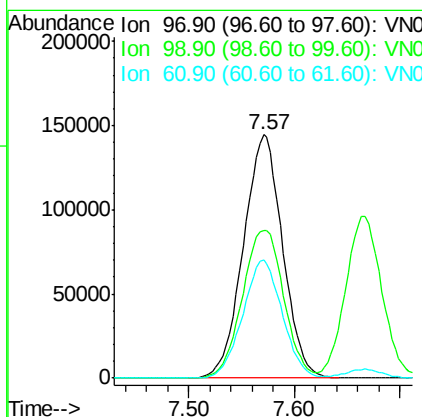
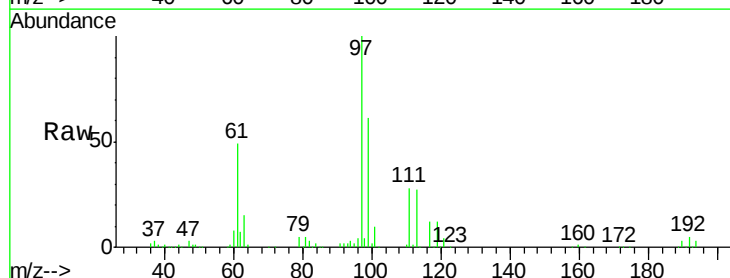
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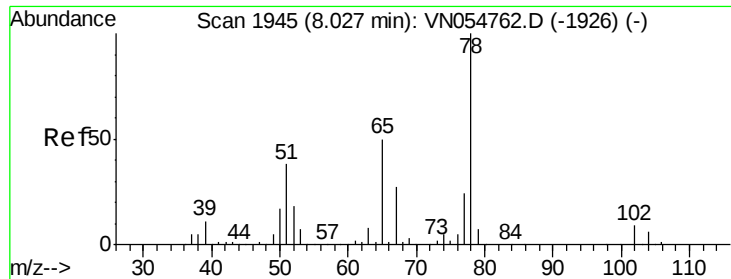
MMDadoda
4/1/2019 1:31:43 PM



#32
1,1,1-Trichloroethane
Concen: 55.207 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	49.0	33.6	50.4





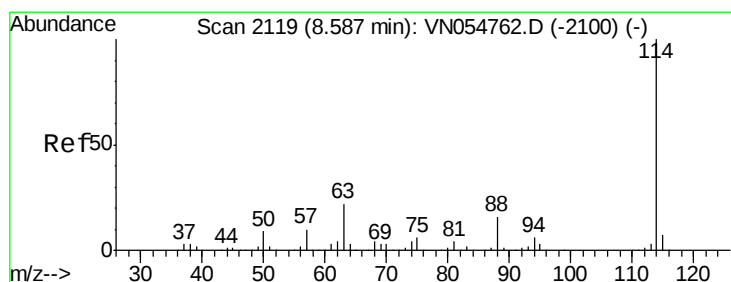
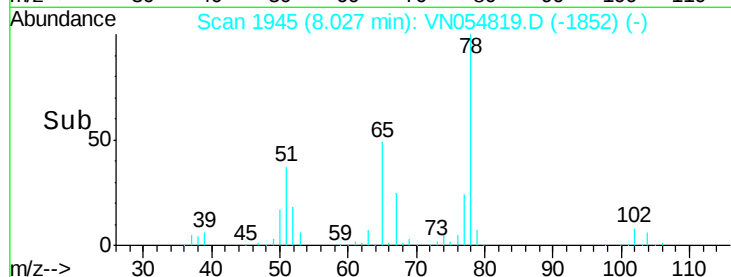
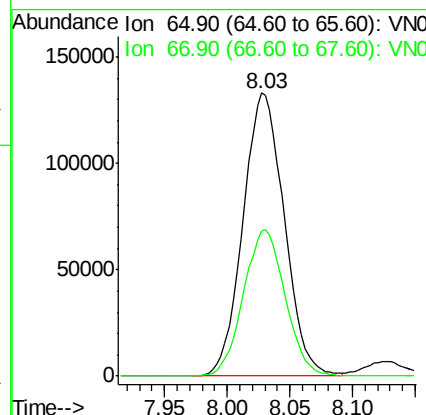
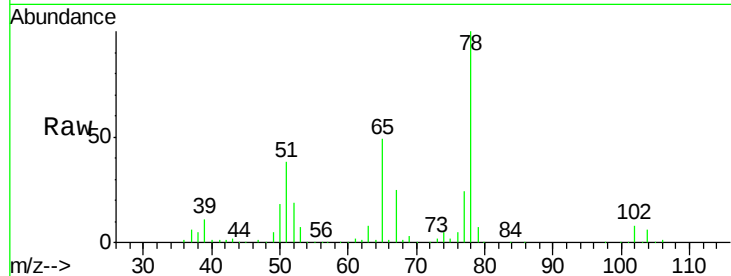
#33
 1,2-Dichloroethane-d4
 Concen: 54.050 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	305101		
67	52.3	0.0	104.6	

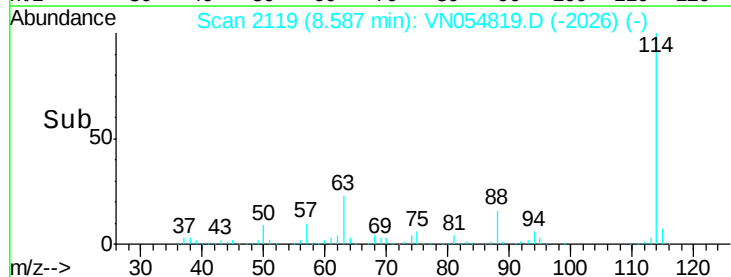
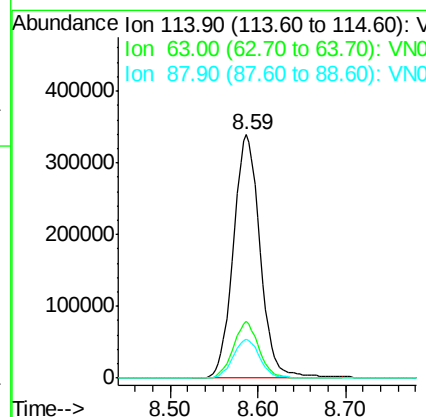
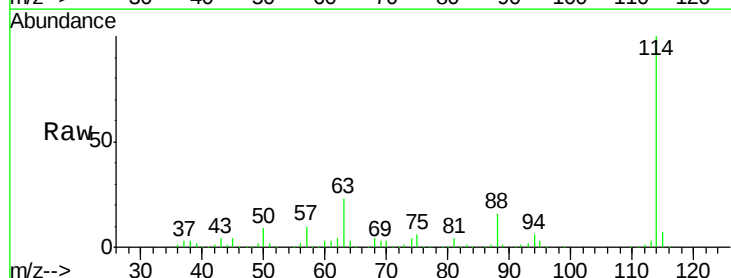
Manual Integrations
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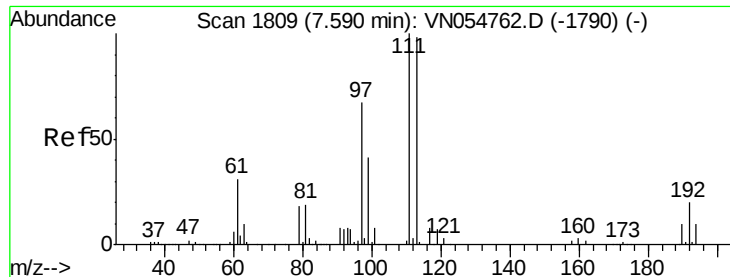
MMDadoda
 4/1/2019 1:31:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	721143		
63	23.1	0.0	35.2	
88	16.1	0.0	30.2	





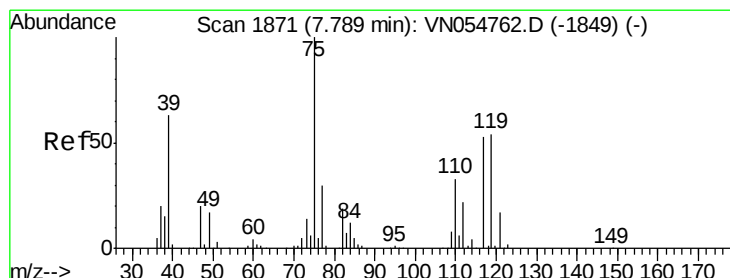
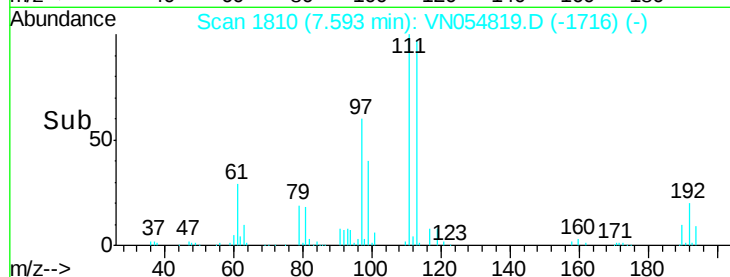
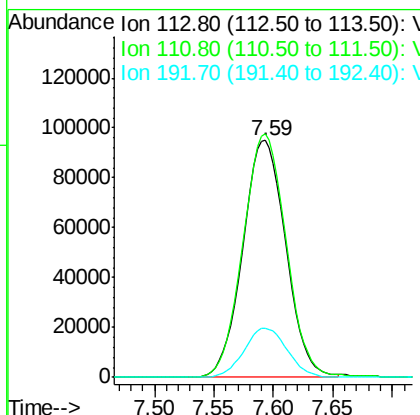
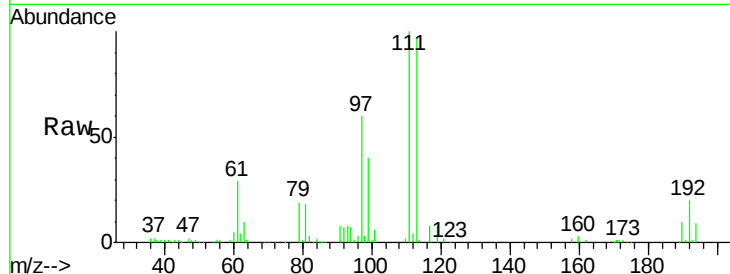
#35
 Dibromofluoromethane
 Concen: 49.487 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	237925		
111	103.6	82.2	123.4	
192	20.7	19.2	28.8	

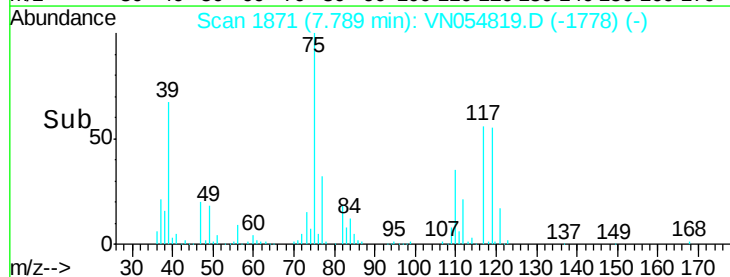
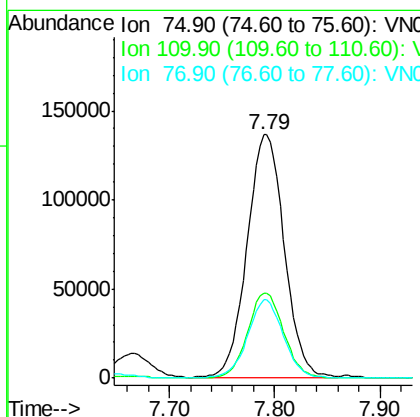
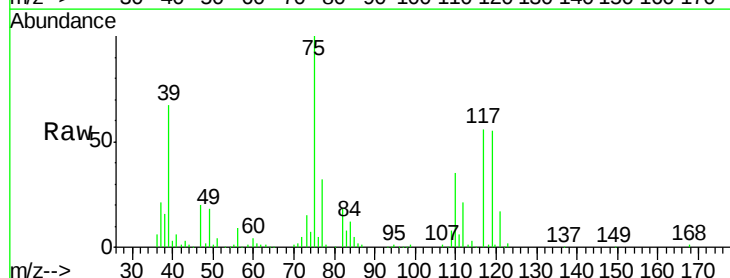
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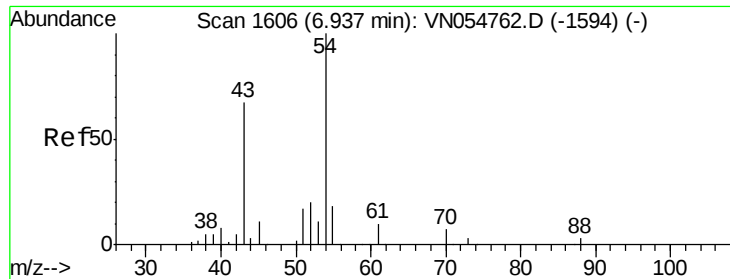
MMDadoda
 4/1/2019 1:31:43 PM



#36
 1,1-Dichloropropene
 Concen: 49.489 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	332550		
110	34.4	19.1	57.5	
77	31.7	25.0	37.4	





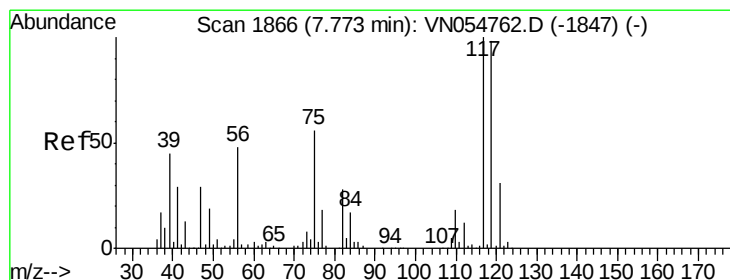
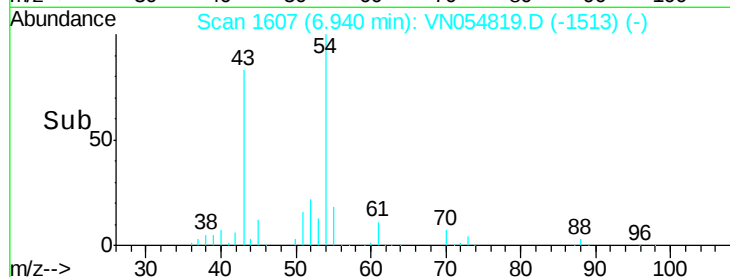
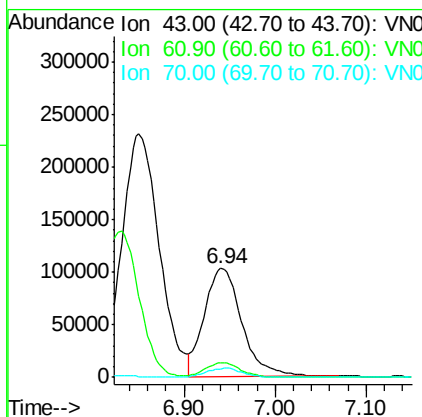
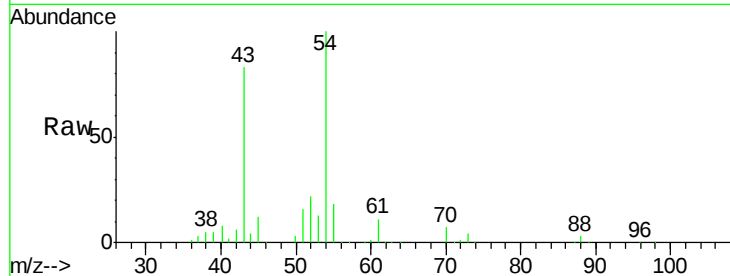
#37
Ethyl Acetate
Concen: 59.685 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.8	17.6
70	8.0	8.4	12.6

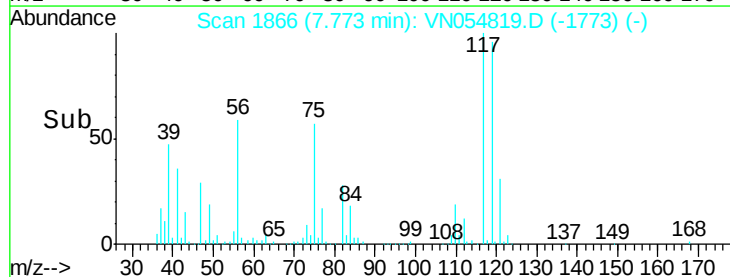
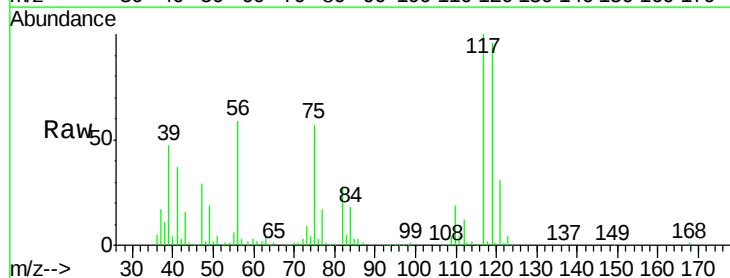
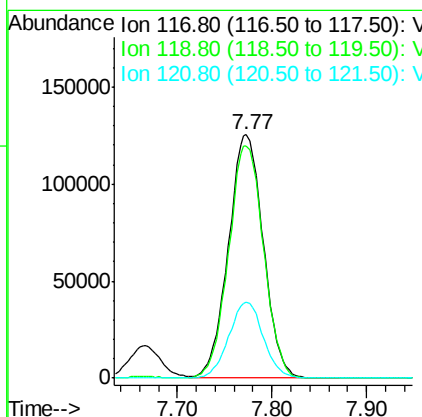
Manual Integrations
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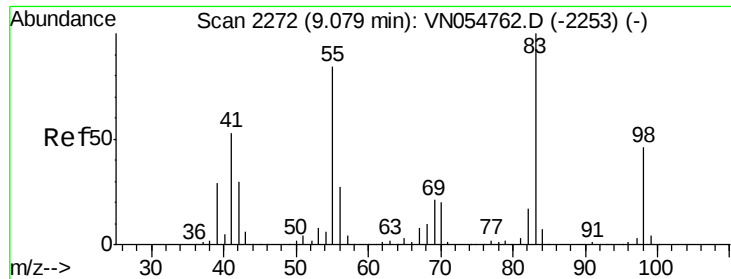
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#38
Carbon Tetrachloride
Concen: 49.346 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.3	114.5
121	31.0	24.6	36.8





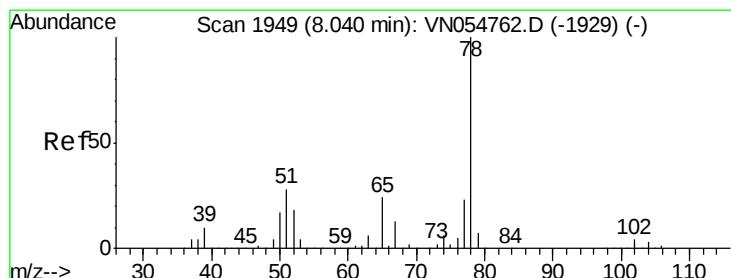
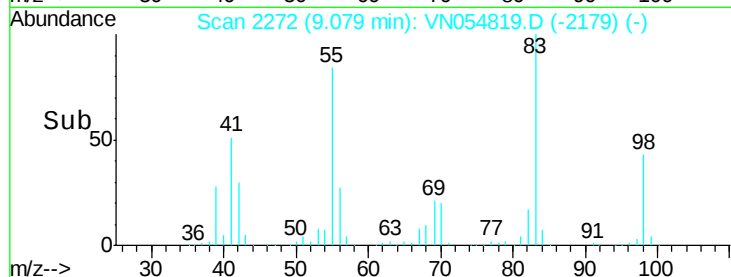
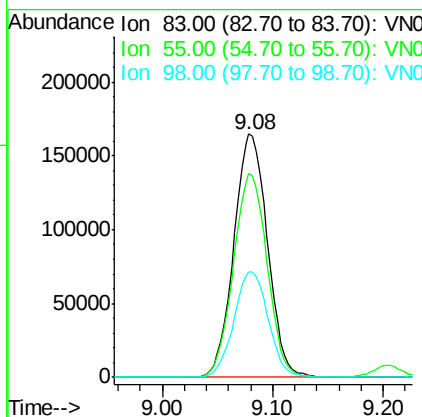
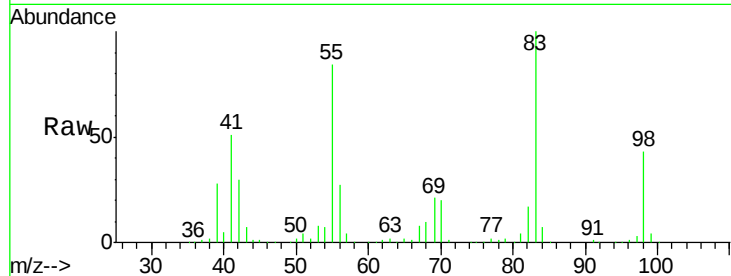
#39
Methvlcvclohexane
Concen: 47.162 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	348412
Ion Ratio	Lower	Upper	
83	100		
55	83.9	56.6	84.8
98	43.3	38.4	57.6

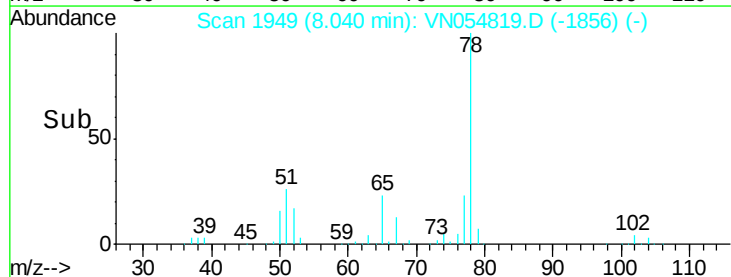
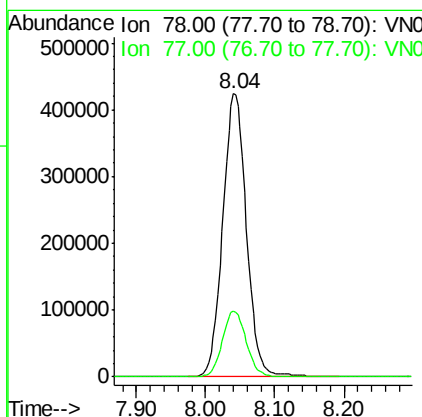
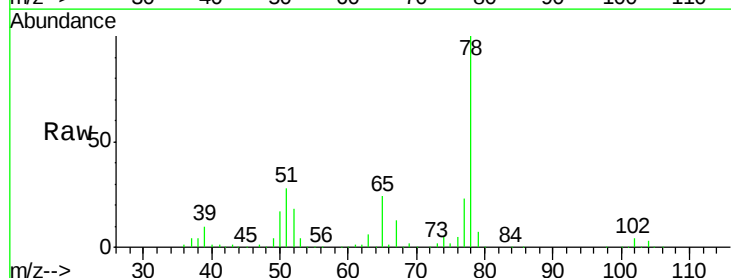
Manual Integrations
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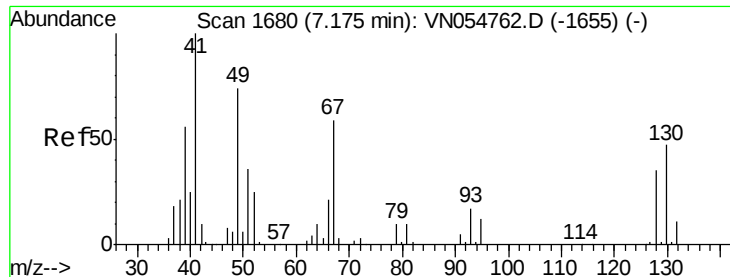
MMDadoda
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#40
Benzene
Concen: 52.654 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion	78.00	Resp	1012396
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.1	28.7





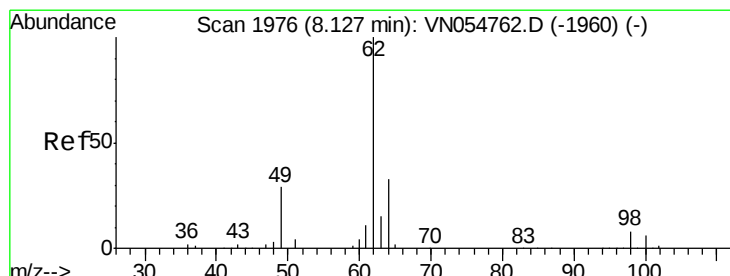
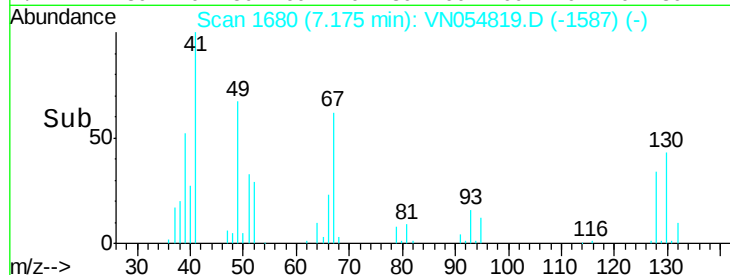
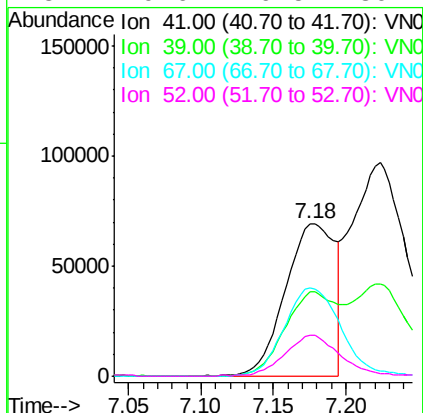
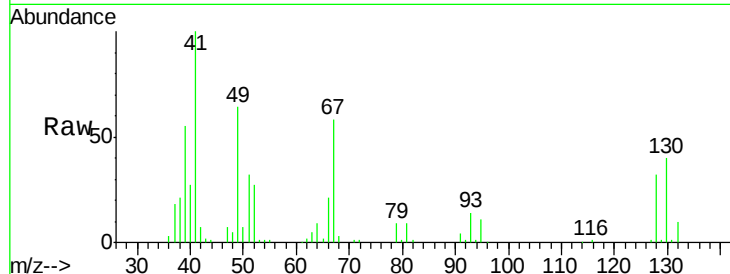
#41
Methacrylonitrile
Concen: 59.338 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.5	46.8	70.2
67	66.8	67.0	100.4#
52	29.6	26.5	39.7

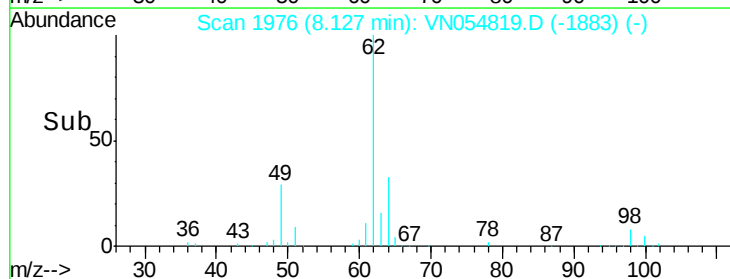
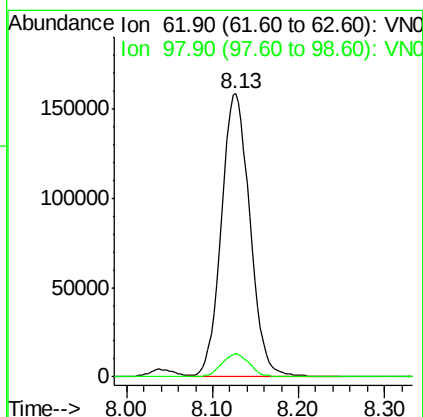
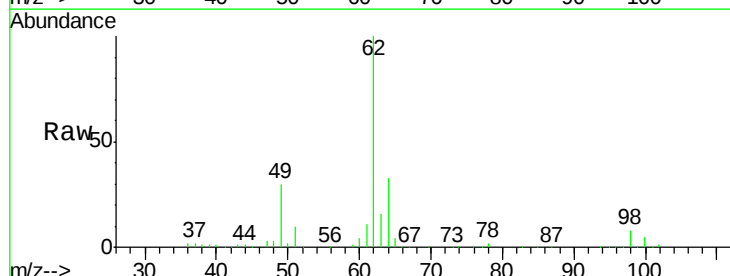
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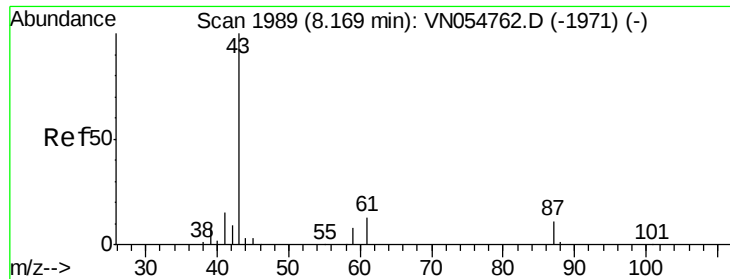
MMDadoda
4/1/2019 1:31:43 PM



#42
1,2-Dichloroethane
Concen: 53.196 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.4





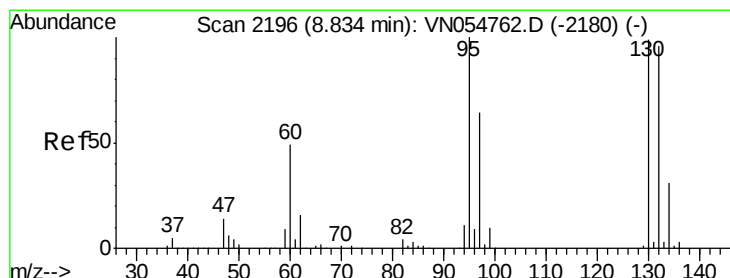
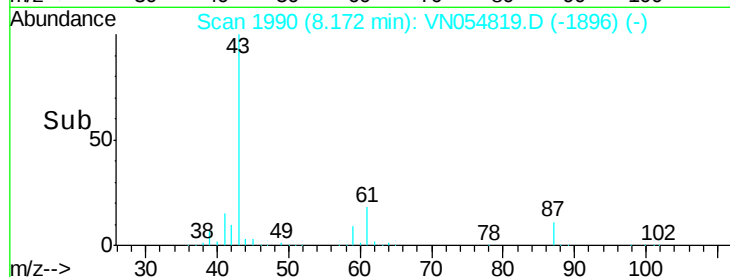
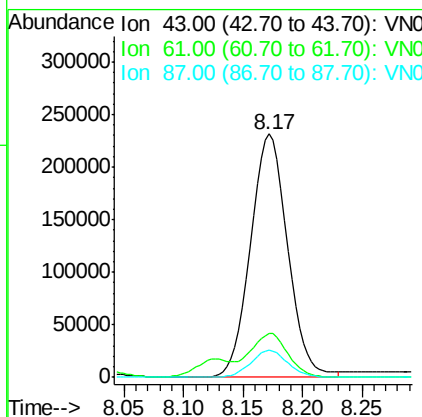
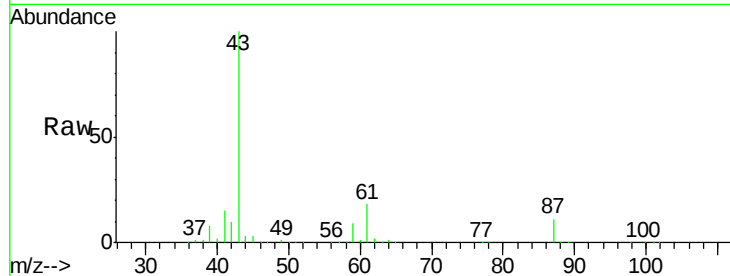
#43
Isopropyl Acetate
Concen: 62.323 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.8	23.8
87	11.2	12.0	18.0

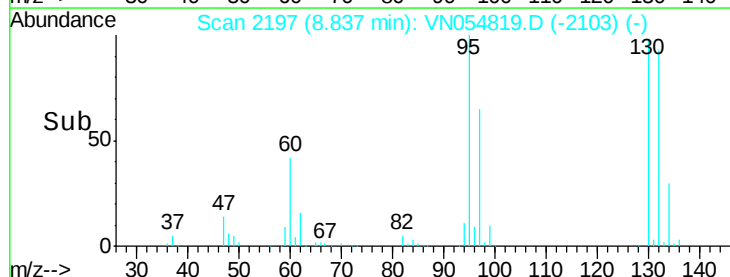
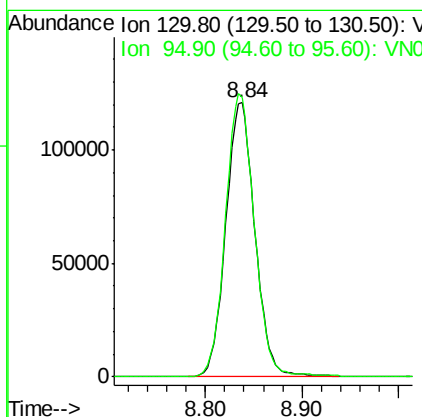
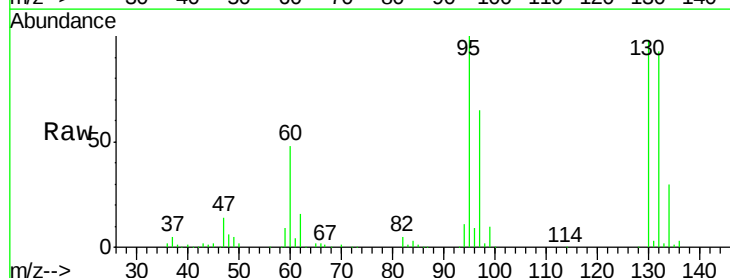
Manual Integrations
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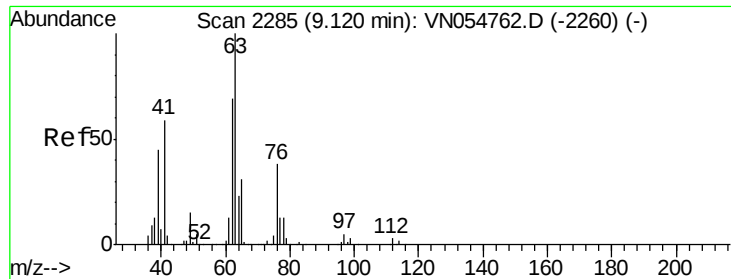
MMDadoda
4/1/2019 1:31:43 PM



#44
Trichloroethene
Concen: 50.720 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	185.2





#45

1,2-Dichloropropane

Concen: 52.027 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 285242

Ion Ratio Lower Upper

63 100

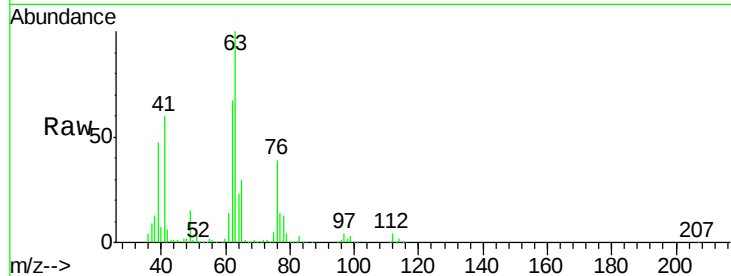
65 30.4 25.0 37.6

Manual Integrations

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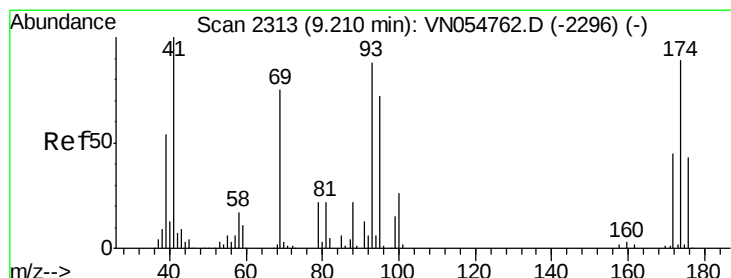
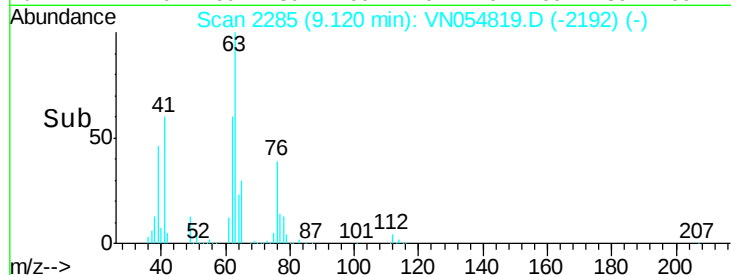
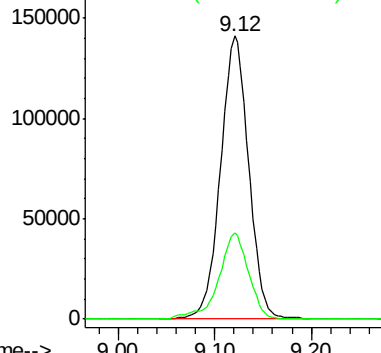
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 53.950 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

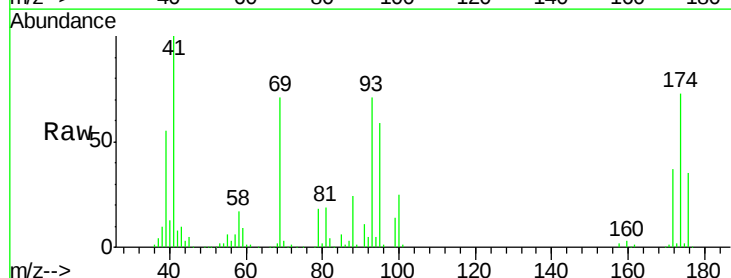
Tgt Ion: 93 Resp: 166389

Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

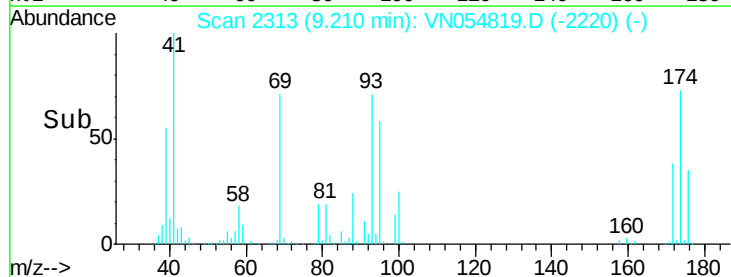
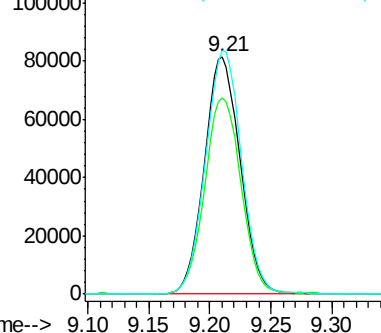
174 102.8 98.5 147.7

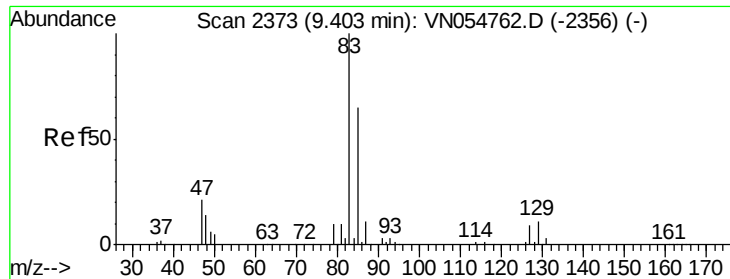


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 54.522 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

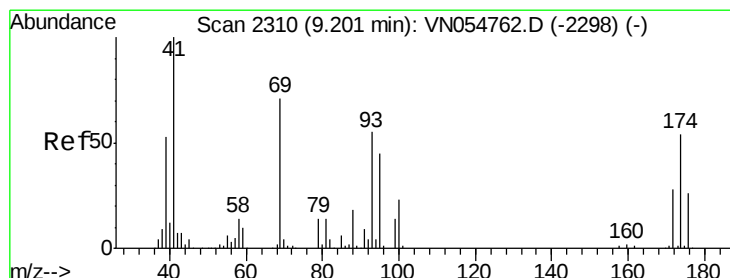
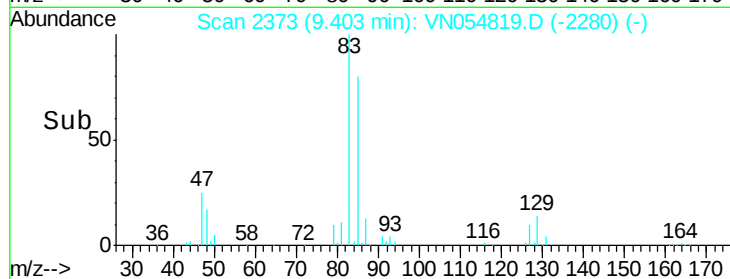
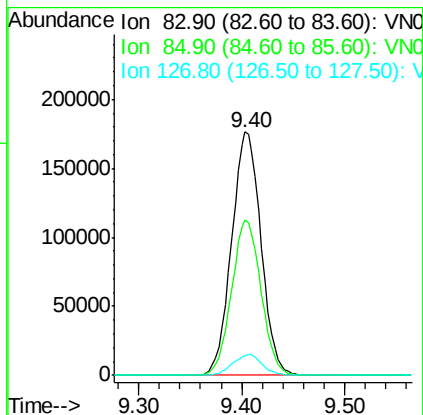
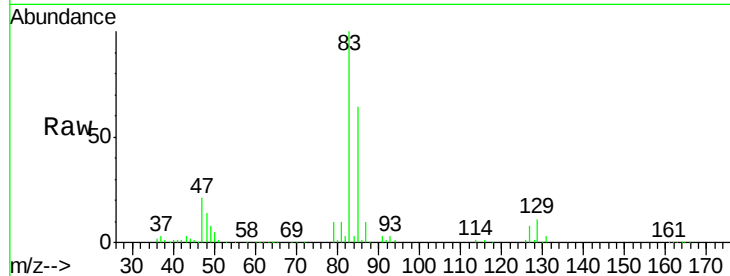
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	349471
Ion Ratio	Lower	Upper	
83	100		
85	63.8	52.8	79.2
127	8.3	7.4	11.2

Manual Integrations
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4/1/2019 1:31:43 PM



#48

Methyl methacrylate

Concen: 57.956 ug/l

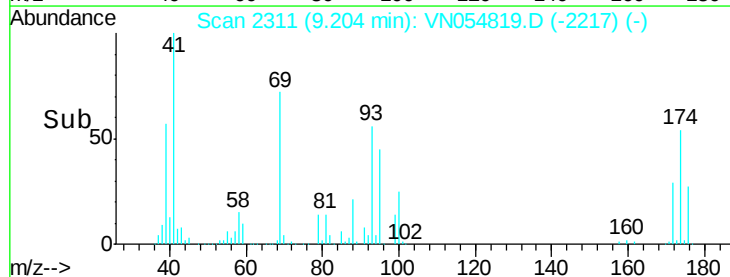
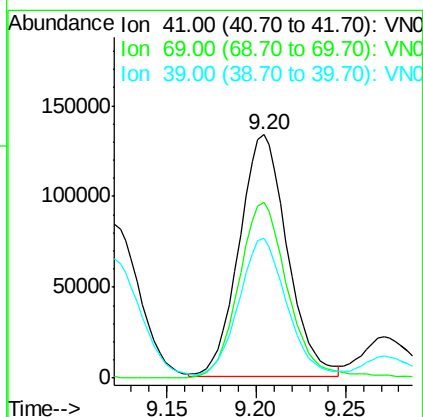
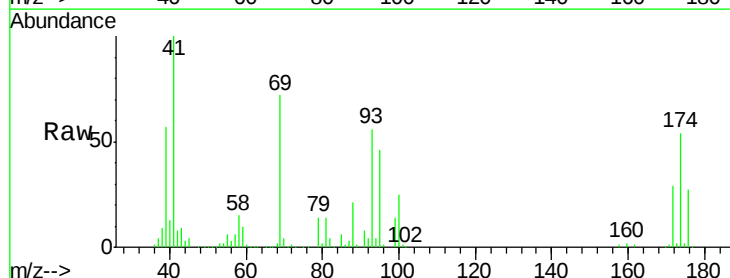
RT: 9.20 min Scan# 2311

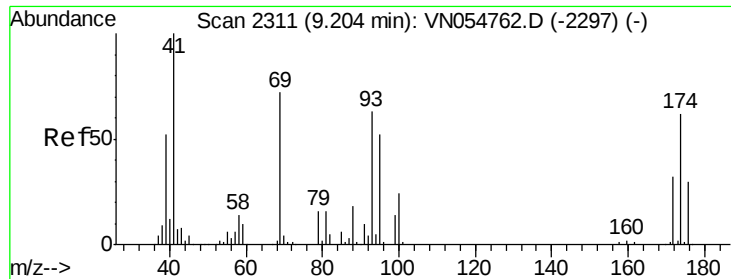
Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Tgt Ion:	41	Resp:	251547
Ion Ratio	Lower	Upper	
41	100		
69	74.3	72.6	108.8
39	57.4	47.5	71.3





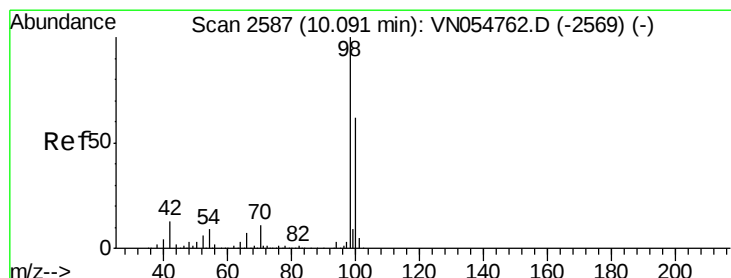
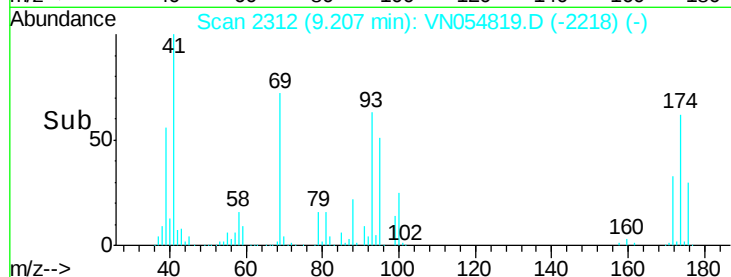
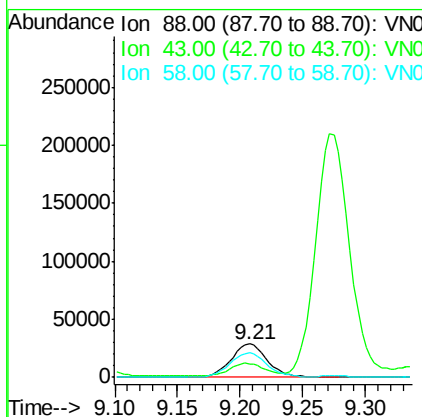
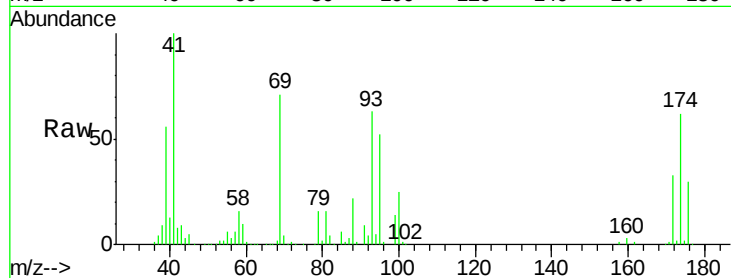
#49
1,4-Dioxane
Concen: 1355.566 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	58378
Ion Ratio	Lower	Upper	
88	100		
43	37.0	24.1	36.1#
58	74.1	50.8	76.2

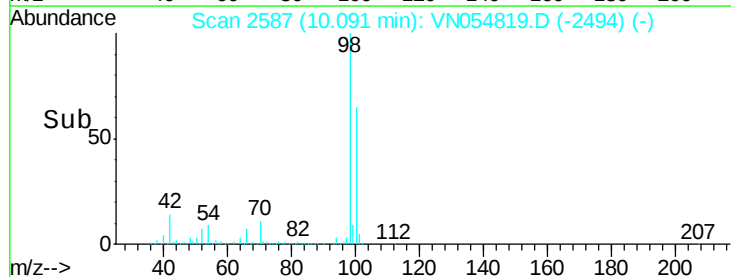
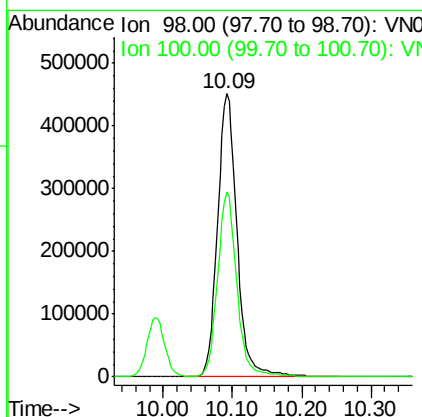
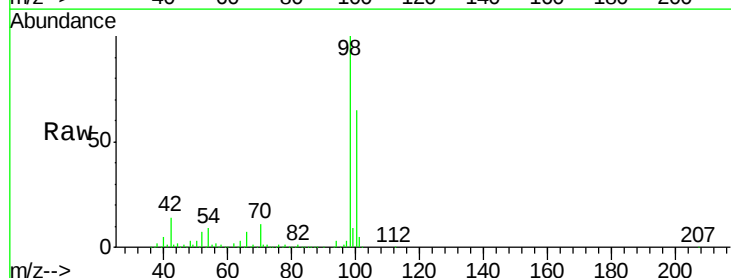
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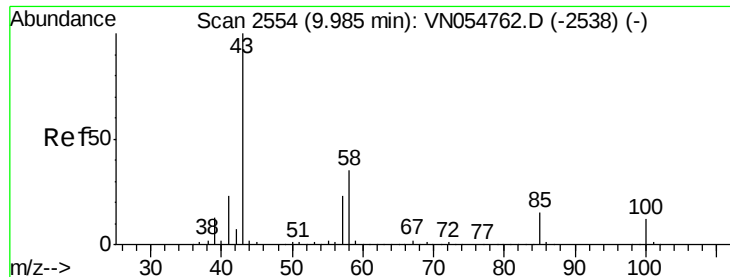
MMDadoda
4/1/2019 1:31:43 PM



#50
Toluene-d8
Concen: 49.376 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion	98	Resp	882564
Ion Ratio	Lower	Upper	
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 325.699 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1466177

Ion Ratio Lower Upper

43 100

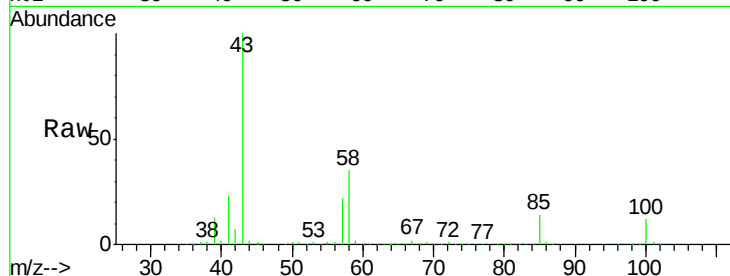
58 34.9 31.8 47.6

Manual Integrations

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4/1/2019 1:31:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

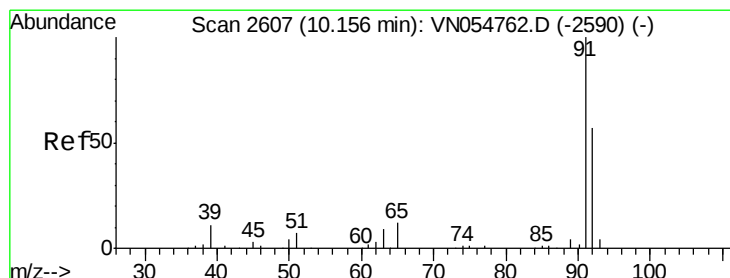
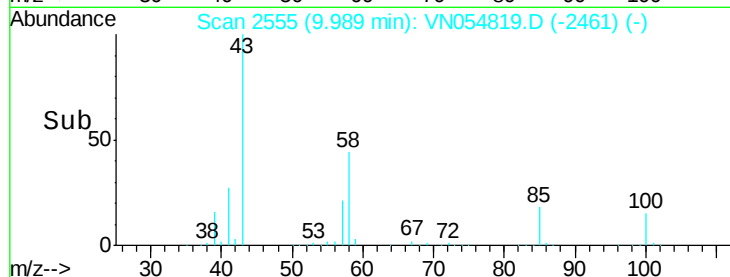
200000

0

9.90 10.00 10.10

9.99

Time-->



#52

Toluene

Concen: 52.697 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054819.D

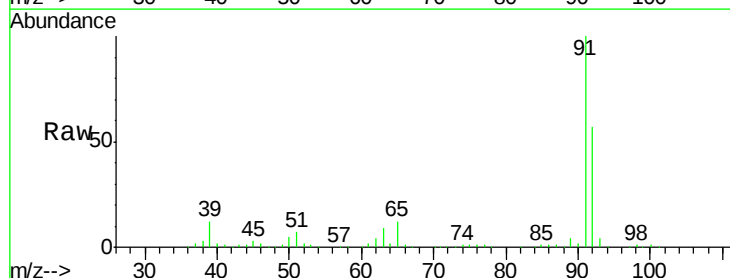
Acq: 30 Mar 2019 23:04

Tgt Ion: 92 Resp: 602917

Ion Ratio Lower Upper

92 100

91 174.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

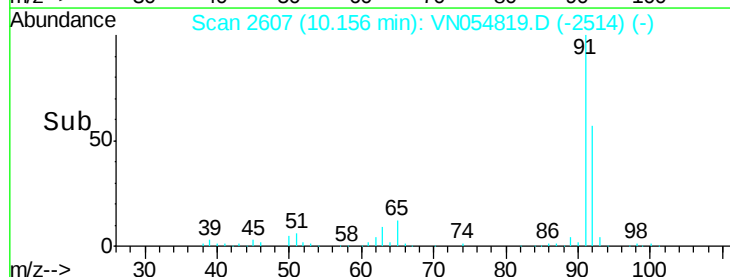
100000

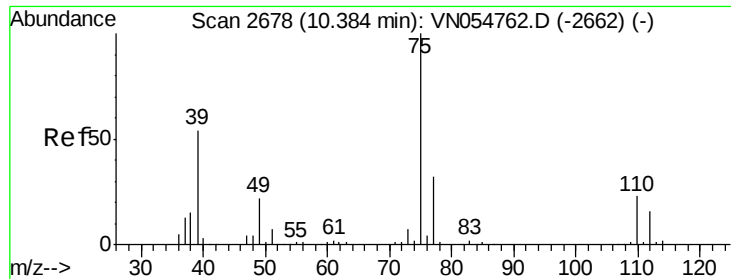
0

10.00 10.10 10.20 10.30

10.16

Time-->





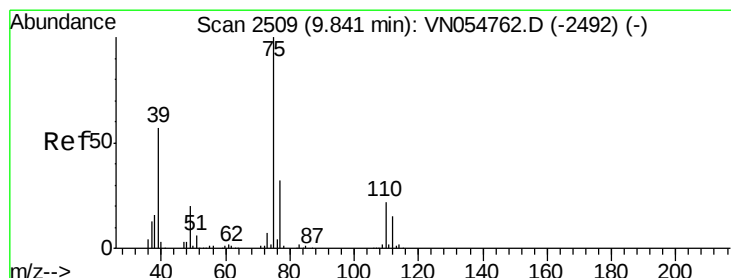
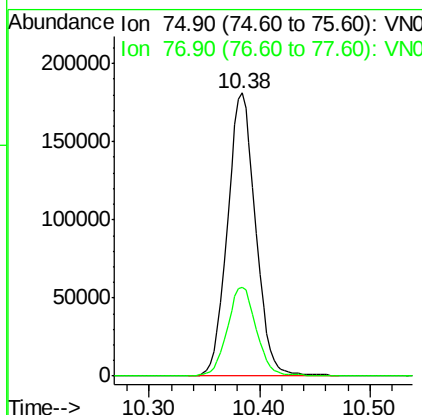
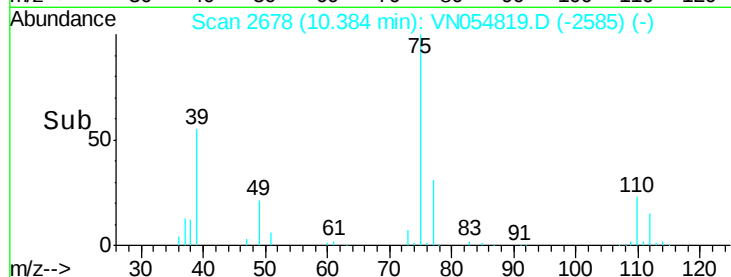
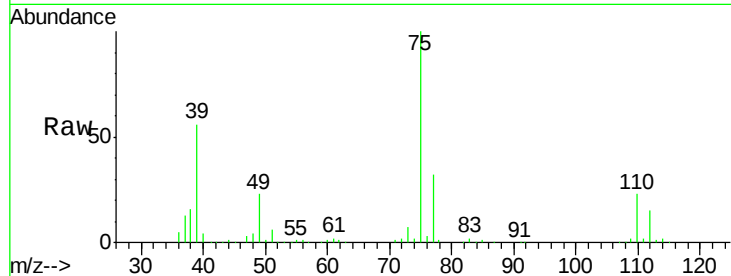
#53
 t-1,3-Dichloropropene
 Concen: 53.143 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 320425
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.8

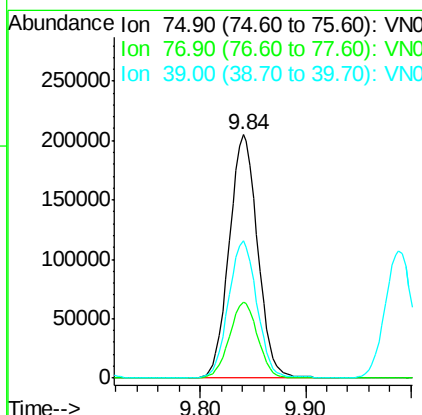
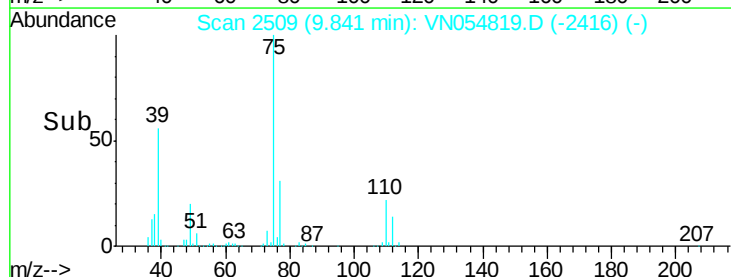
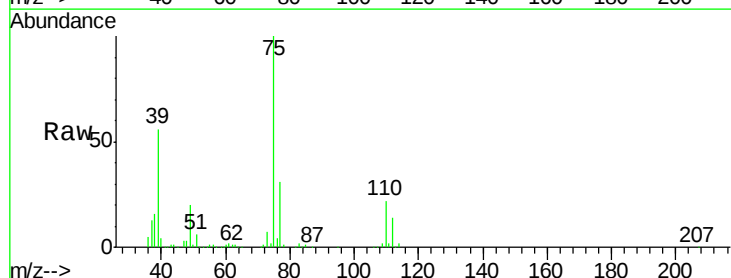
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#54
 cis-1,3-Dichloropropene
 Concen: 53.147 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion: 75 Resp: 382788
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.0
 39 56.0 37.2 55.8#





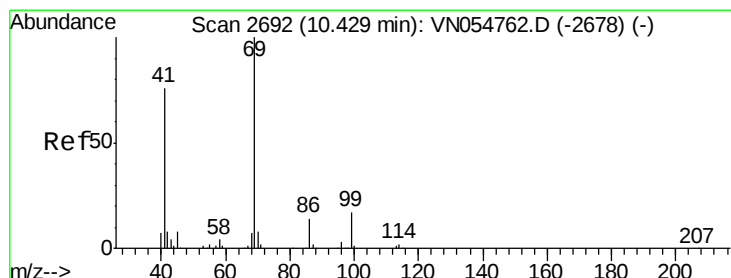
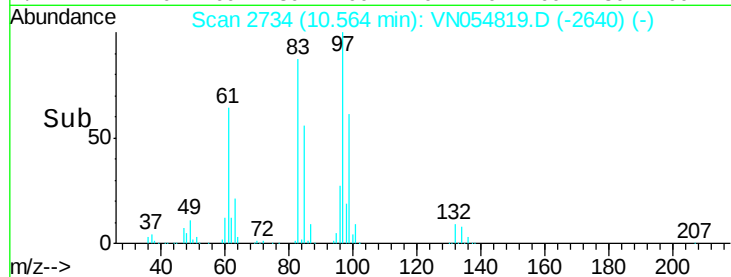
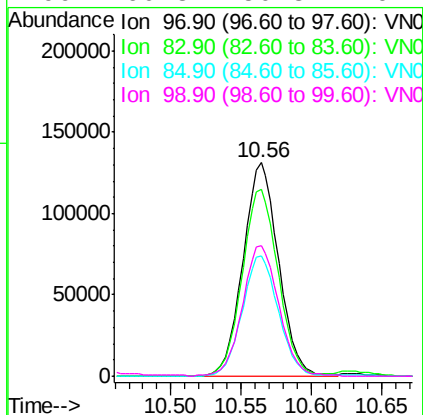
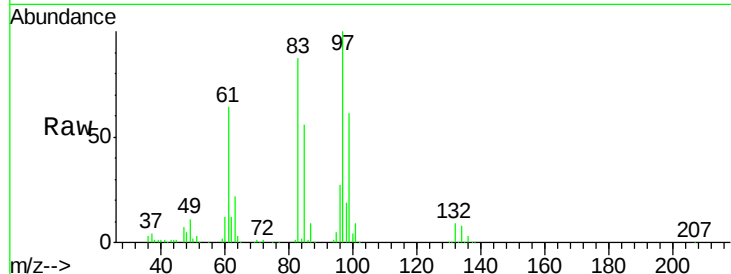
#55
 1,1,2-Trichloroethane
 Concen: 54.590 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.6	100.0
85	56.3	44.4	66.6
99	60.8	50.8	76.2

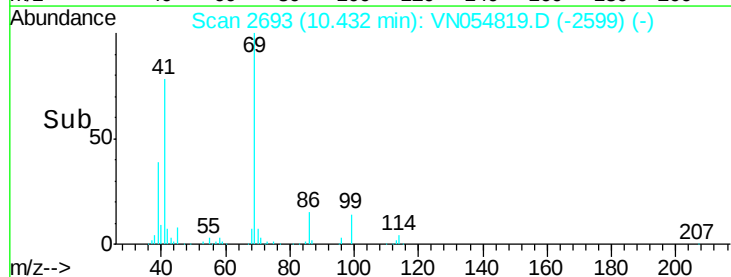
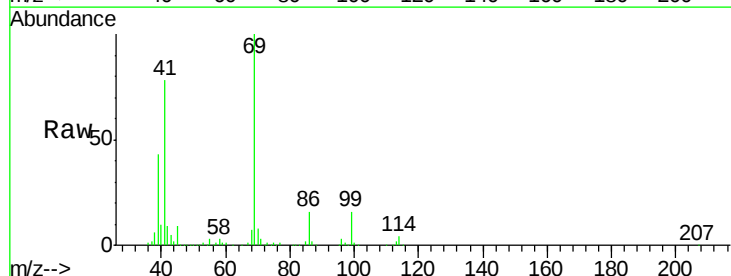
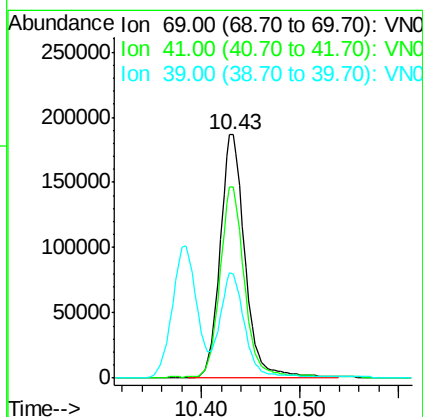
Manual Integrations
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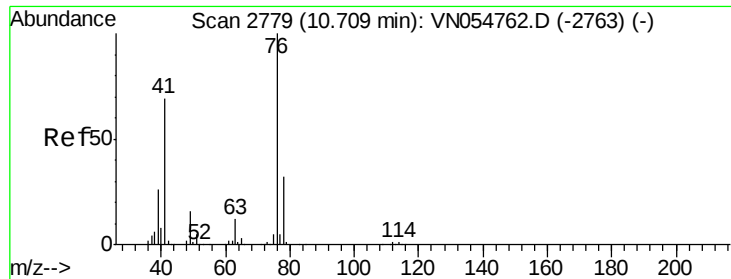
MMDadoda
 4/1/2019 1:31:43 PM



#56
 Ethyl methacrylate
 Concen: 59.274 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.4	49.4	74.2#
39	42.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 55.140 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 403291

Ion Ratio Lower Upper

76 100

78 32.1

25.7

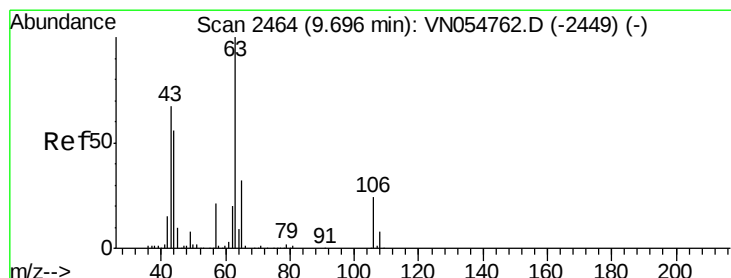
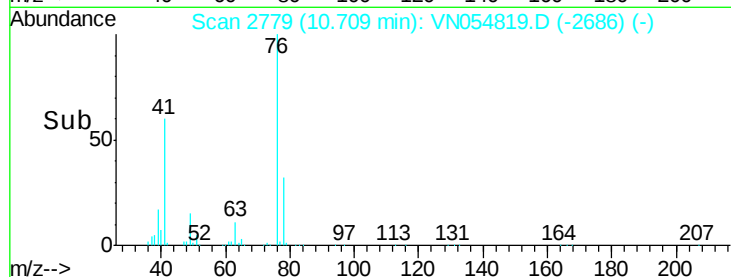
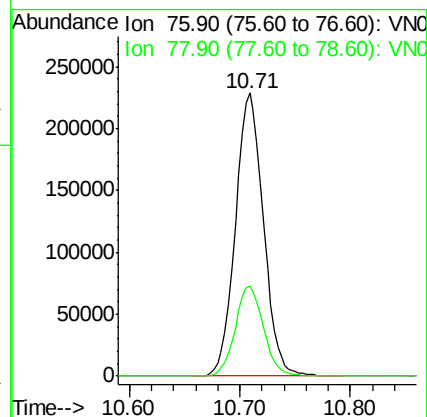
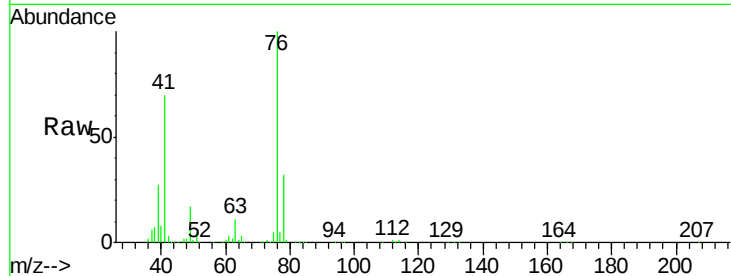
38.5

Manual Integrations

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4/1/2019 1:31:43 PM



#58

2-Chloroethyl Vinyl ether

Concen: 265.013 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Tgt Ion: 63 Resp: 638632

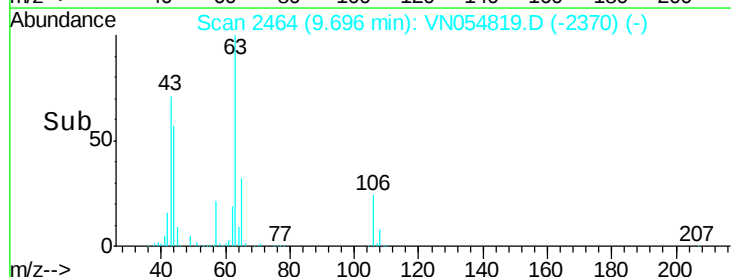
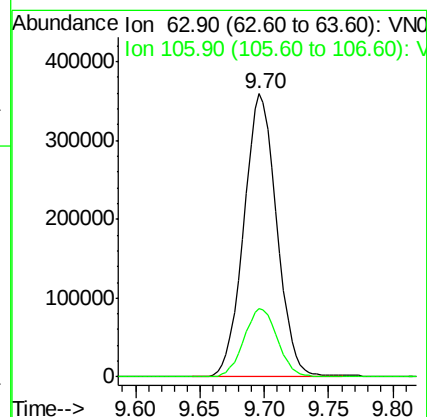
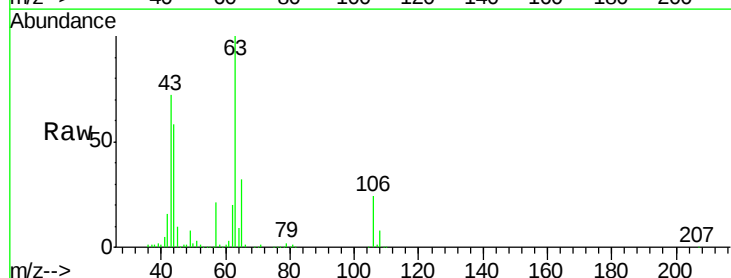
Ion Ratio Lower Upper

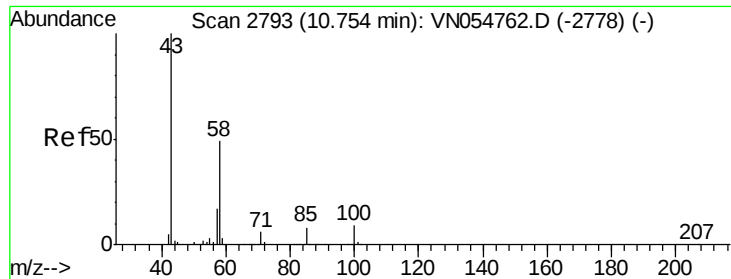
63 100

106 24.6

24.4

36.6





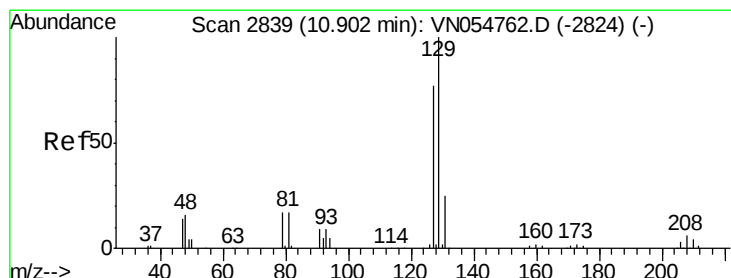
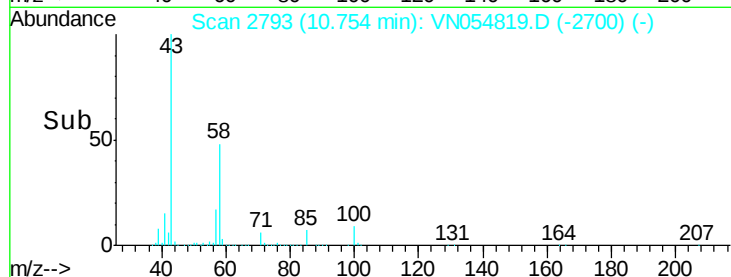
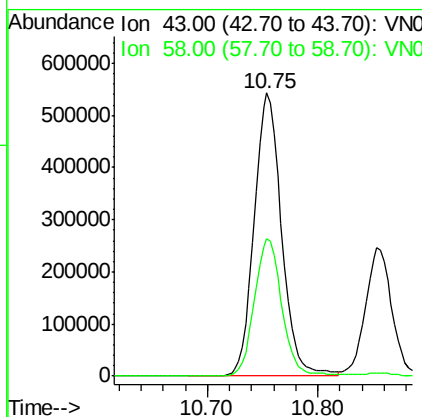
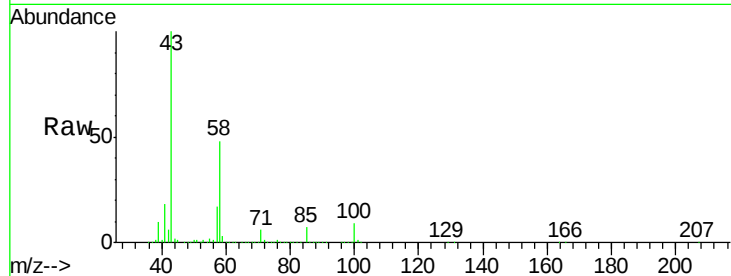
#59
2-Hexanone
Concen: 322.854 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	930390
Ion Ratio	100	Lower	Upper
43	100		
58	48.8	28.0	83.9

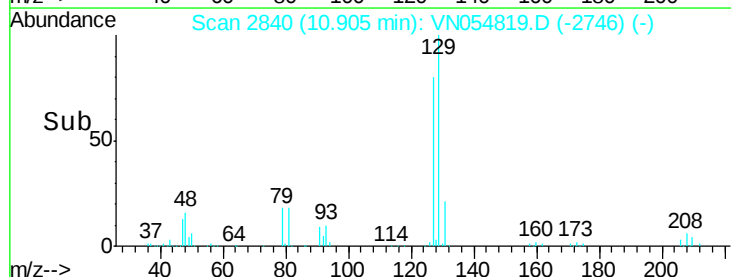
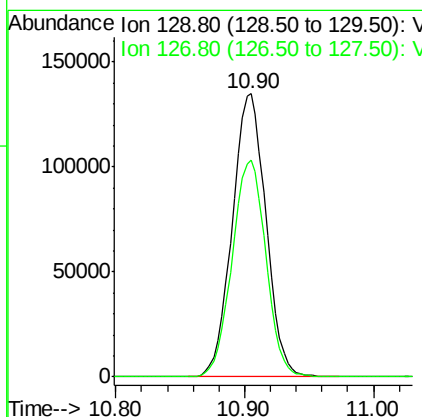
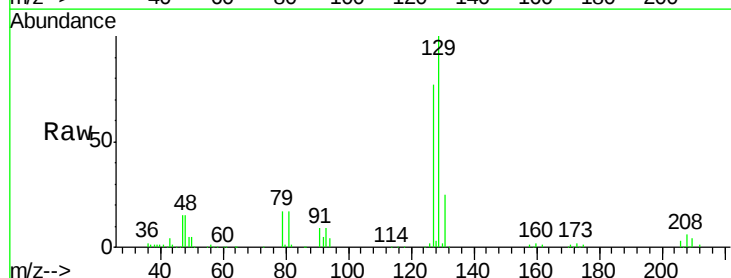
Manual Integrations
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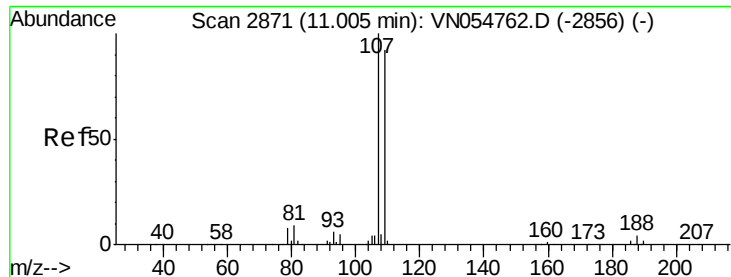
MMDadoda
4/1/2019 1:31:43 PM



#60
Dibromochloromethane
Concen: 56.848 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion	129	Resp	244981
Ion Ratio	100	Lower	Upper
129	100		
127	76.8	38.6	115.8





#61

1,2-Dibromoethane

Concen: 56.038 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 107 Resp: 227828

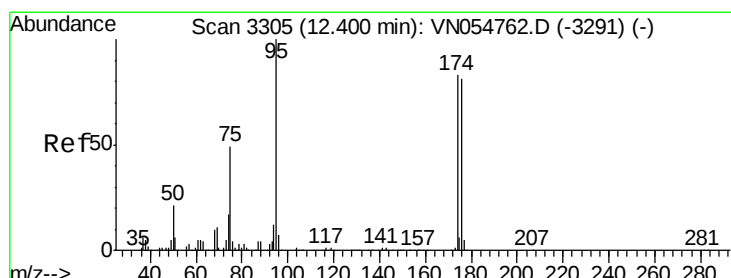
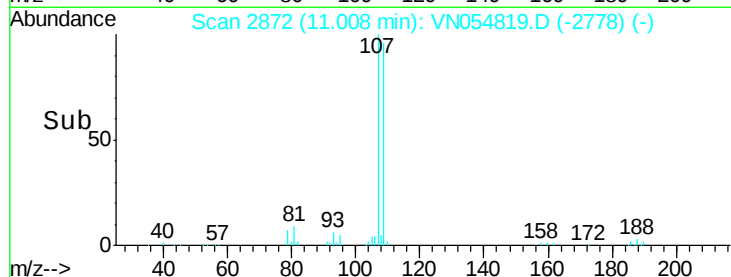
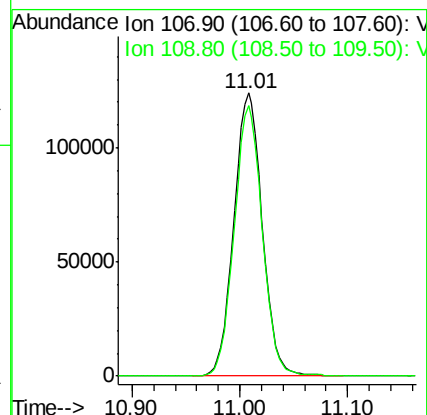
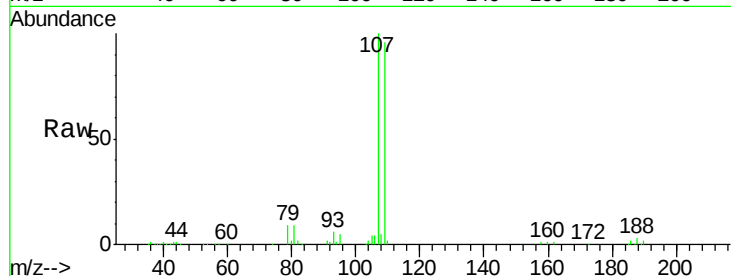
Ion Ratio Lower Upper

107 100

109 94.6 75.9 113.9

Manual Integrations
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4/1/2019 1:31:43 PM



#62

4-Bromofluorobenzene

Concen: 49.749 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

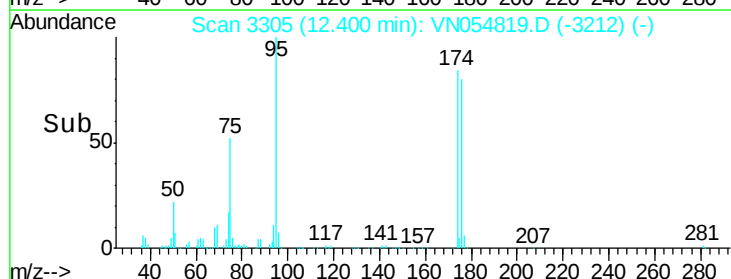
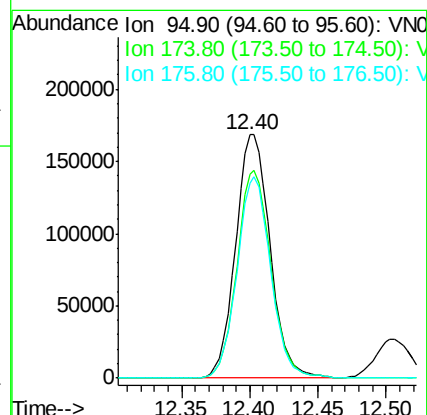
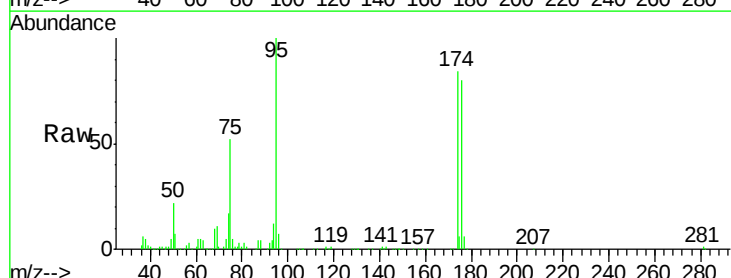
Tgt Ion: 95 Resp: 295736

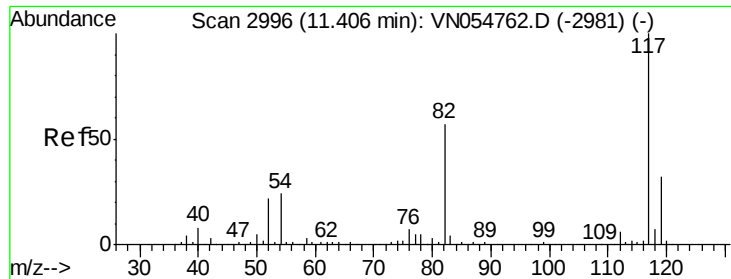
Ion Ratio Lower Upper

95 100

174 84.3 0.0 191.0

176 80.9 0.0 187.4





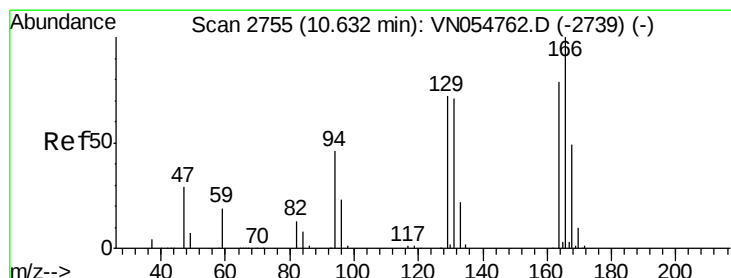
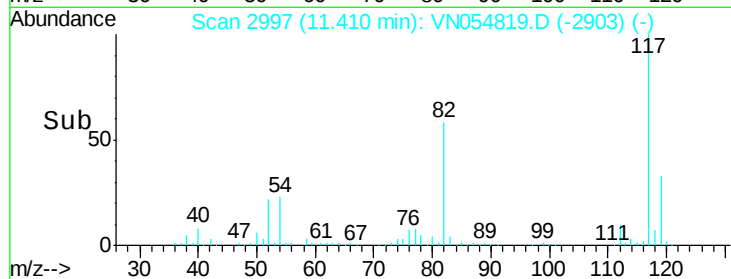
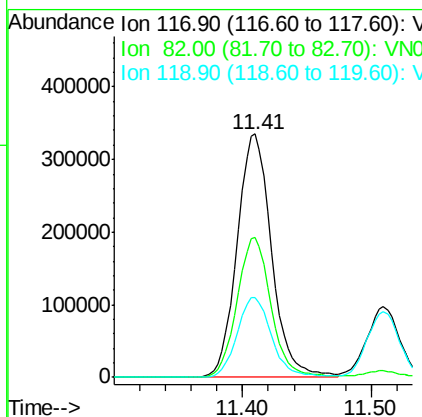
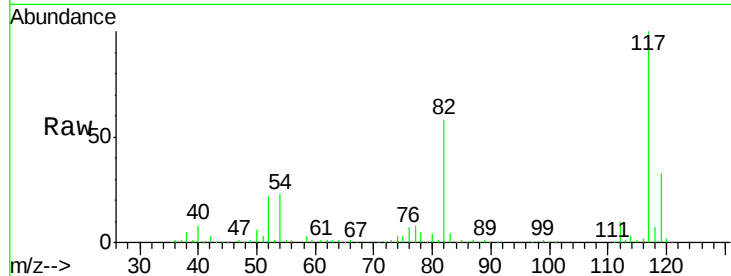
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	40.0	60.0
119	32.9	25.8	38.6

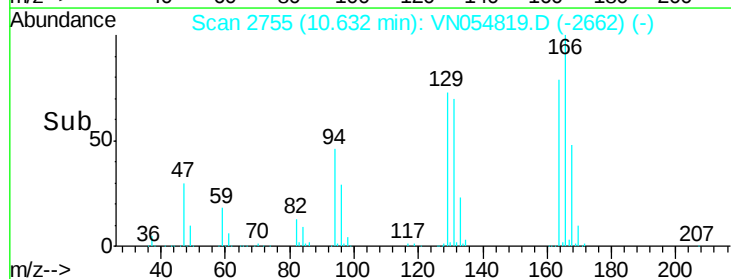
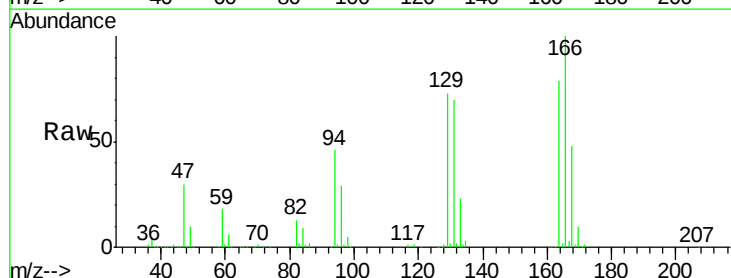
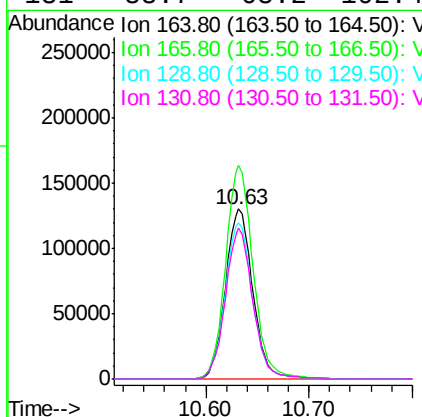
Manual Integrations
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4/1/2019 1:31:43 PM



#64
Tetrachloroethene
Concen: 50.307 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	103.9	155.9
129	92.2	71.1	106.7
131	88.7	68.2	102.4





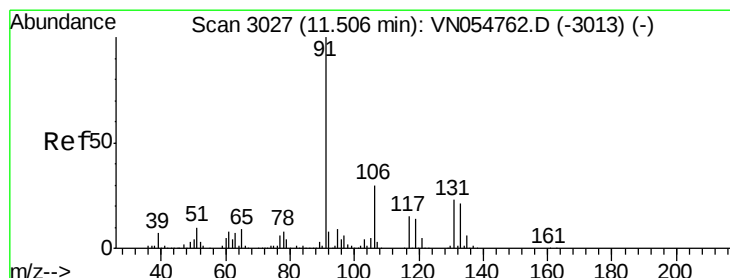
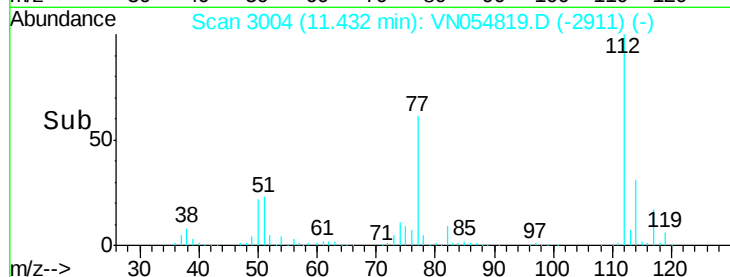
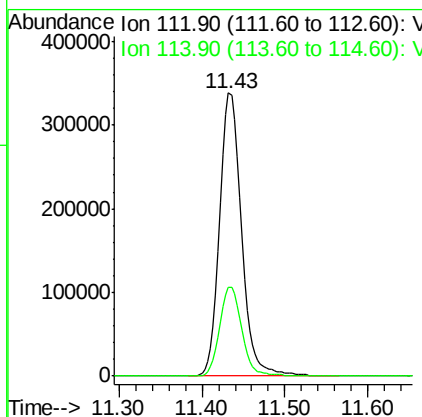
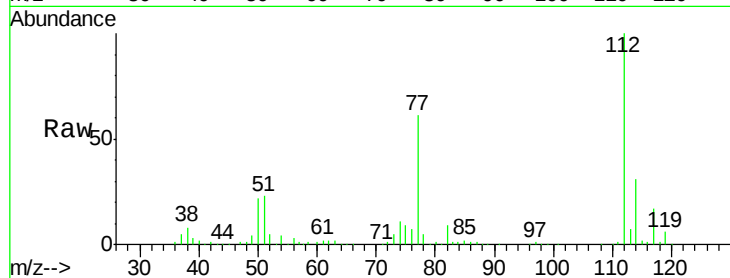
#65
Chlorobenzene
Concen: 50.717 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 619978
Ion Ratio Lower Upper
112 100
114 31.2 25.9 38.9

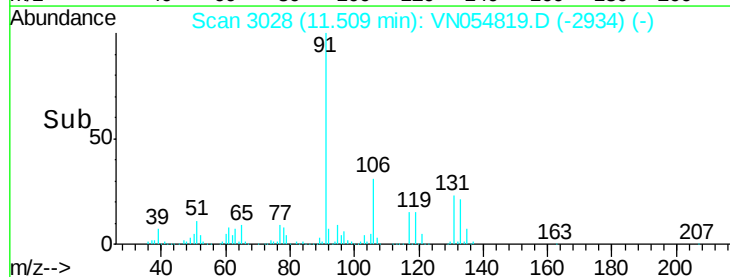
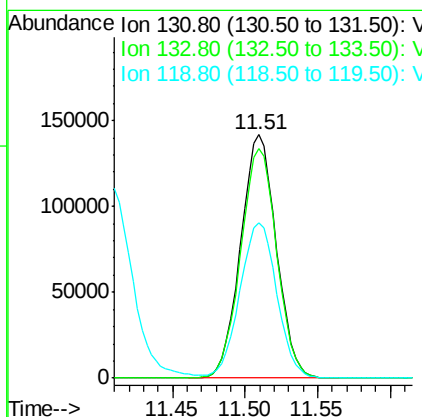
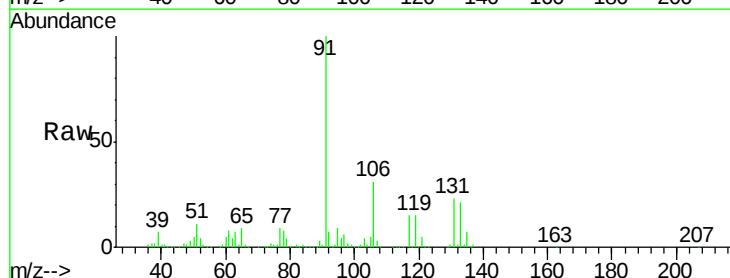
Manual Integrations
APPROVED

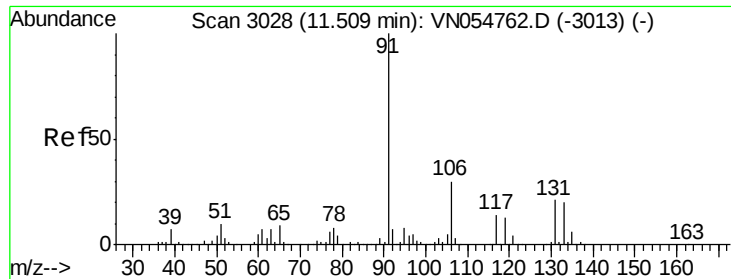
MMDadoda
4/1/2019 1:31:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.902 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion:131 Resp: 242055
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.9
119 66.4 32.4 97.0





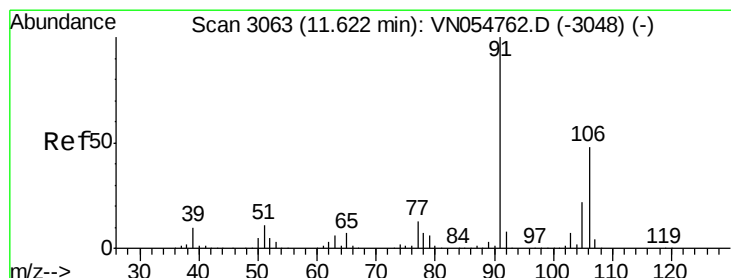
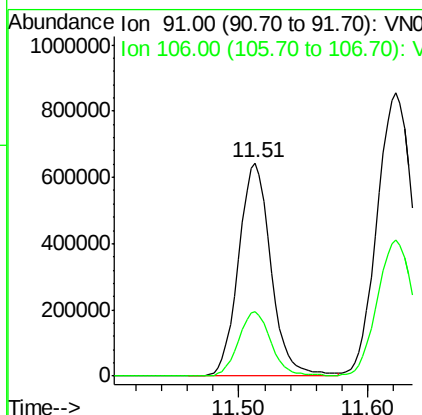
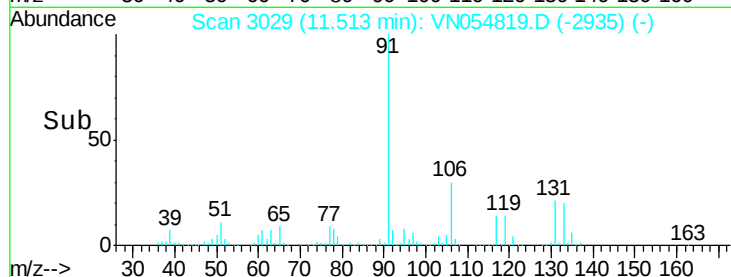
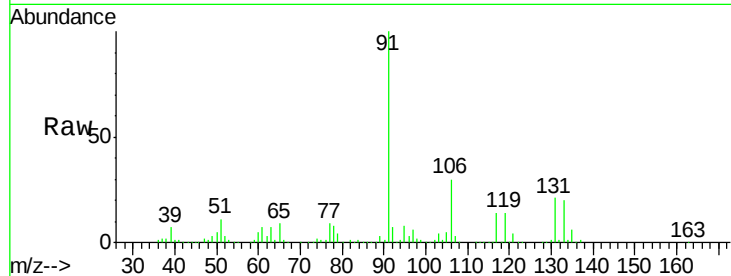
#67
Ethyl Benzene
Concen: 51.059 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1126337
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3

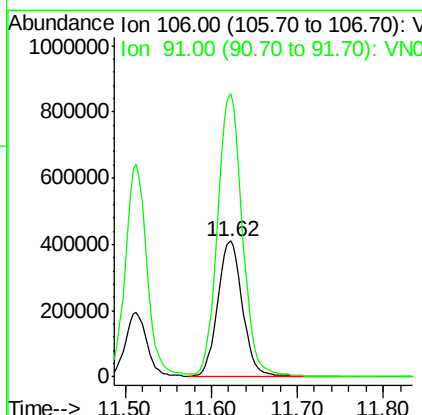
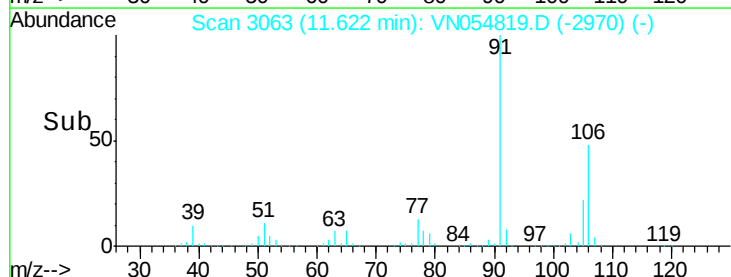
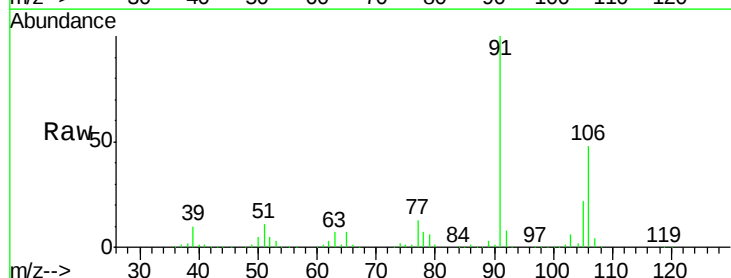
Manual Integrations
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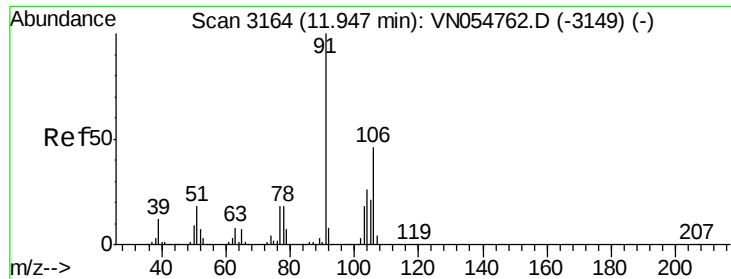
MMDadoda
4/1/2019 1:31:43 PM



#68
m/p-Xylenes
Concen: 101.446 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 106 Resp: 828141
Ion Ratio Lower Upper
106 100
91 208.0 159.4 239.2





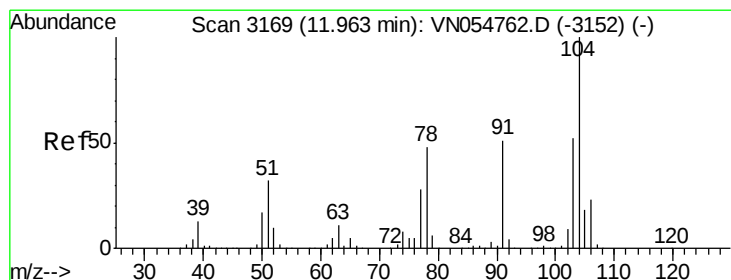
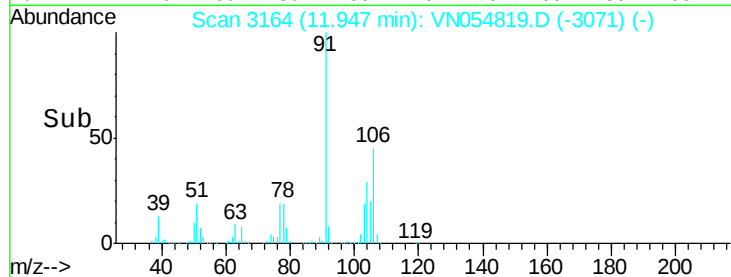
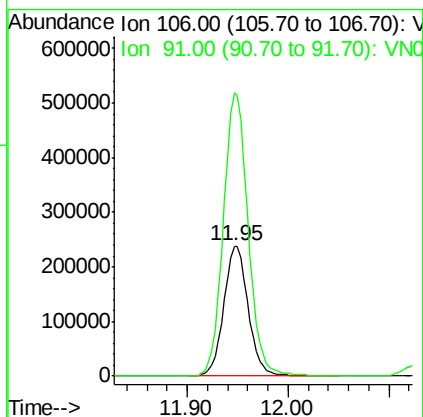
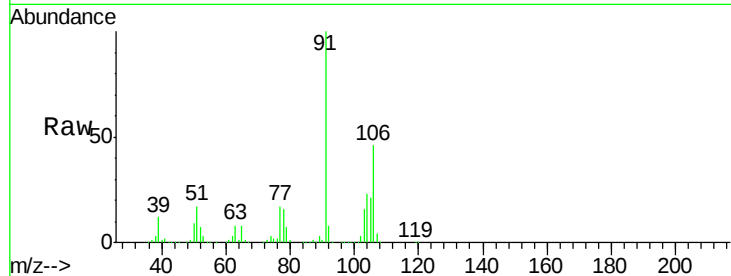
#69
o-Xylene
Concen: 50.417 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 403588
Ion Ratio Lower Upper
106 100
91 221.2 105.7 317.1

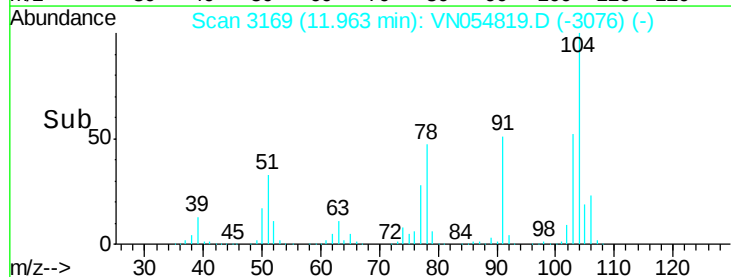
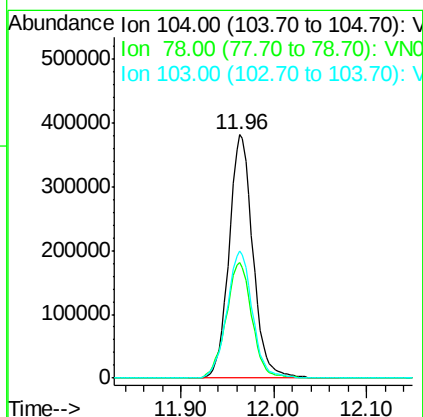
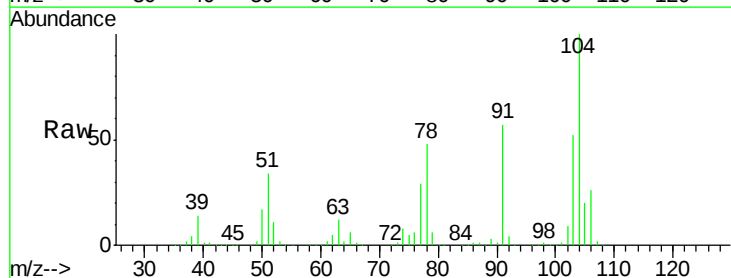
Manual Integrations
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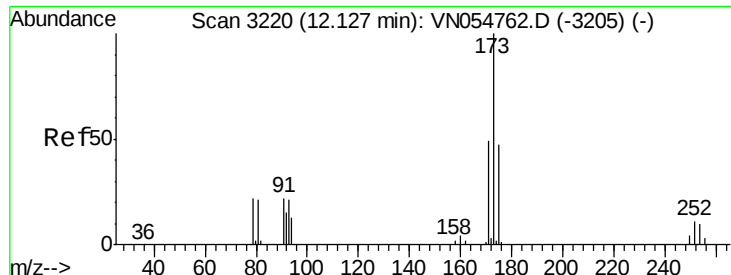
MMDadoda
4/1/2019 1:31:43 PM



#70
Styrene
Concen: 53.138 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion:104 Resp: 680130
Ion Ratio Lower Upper
104 100
78 51.5 38.2 57.2
103 56.1 44.4 66.6





#71

Bromoform

Concen: 58.391 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

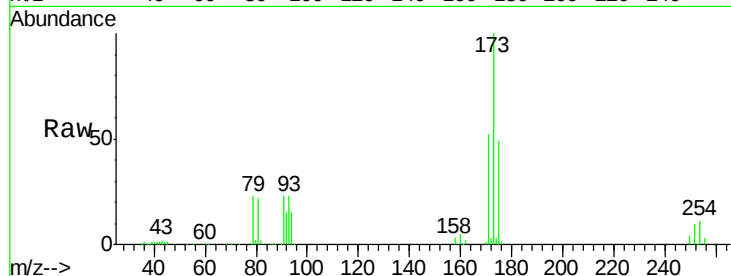
ClientSampleId :

VSTDCCC050

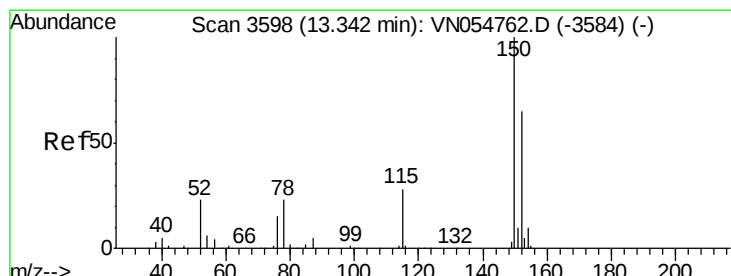
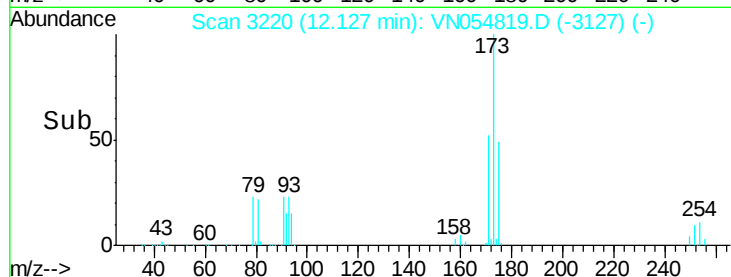
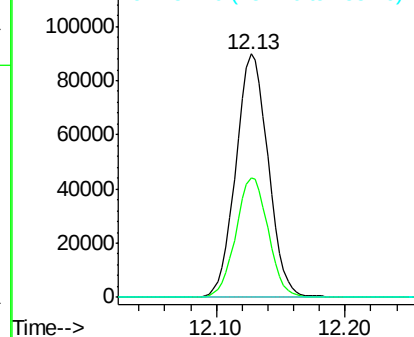
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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4/1/2019 1:31:43 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

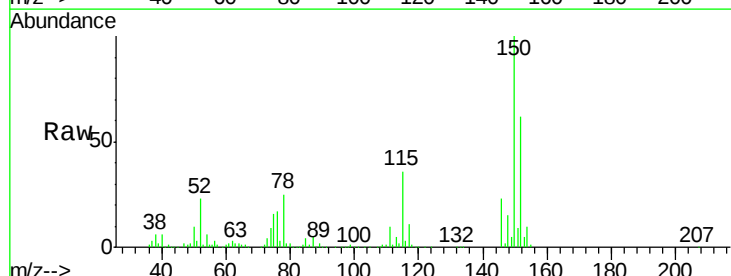
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

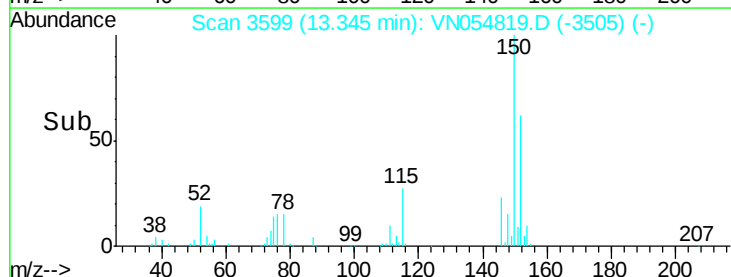
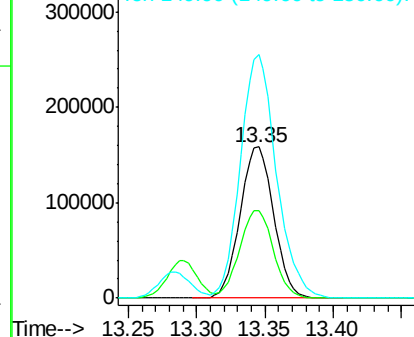
Lab File: VN054819.D

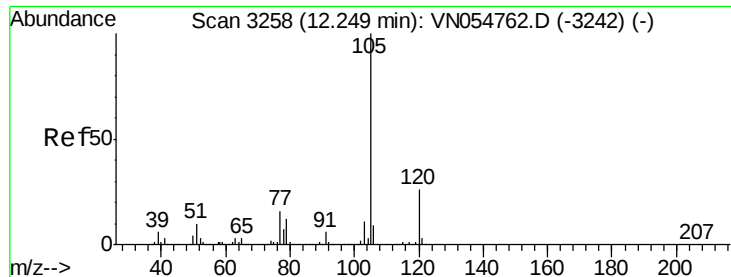
Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	27.2	81.6
150	172.7	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





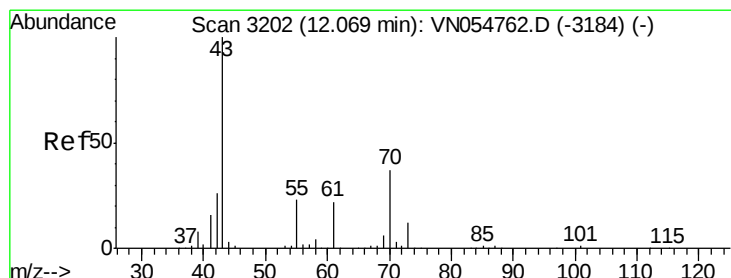
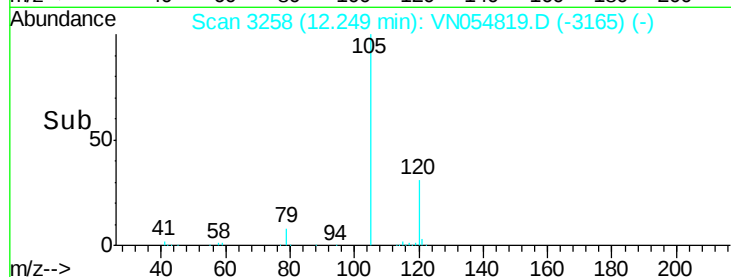
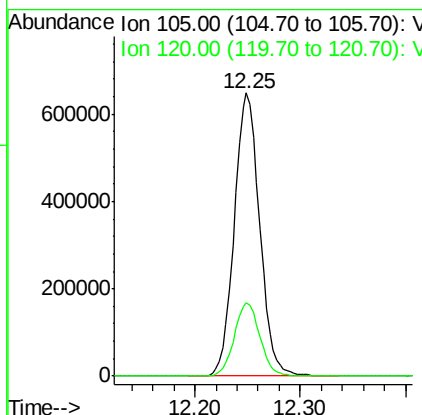
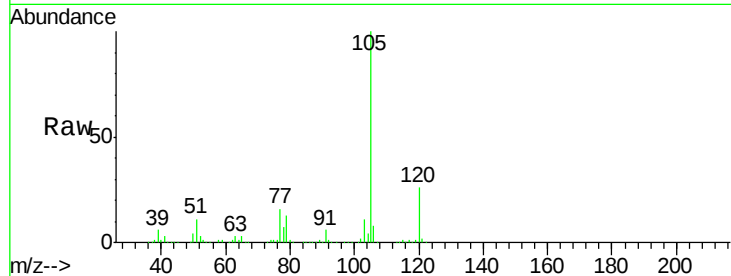
#73
Isopropylbenzene
Concen: 48.671 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1076578
Ion Ratio Lower Upper
105 100
120 26.2 13.8 41.3

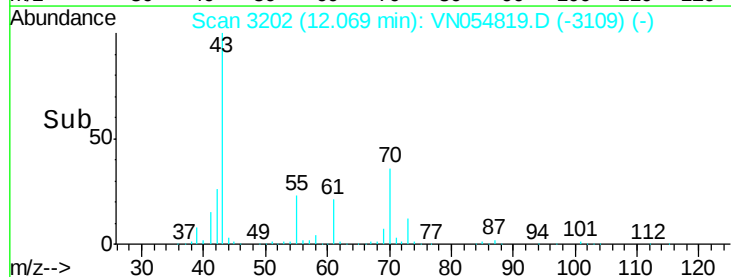
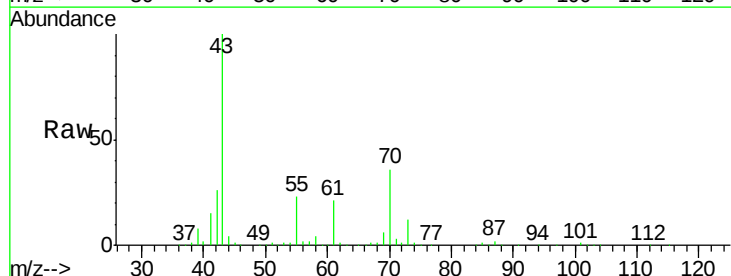
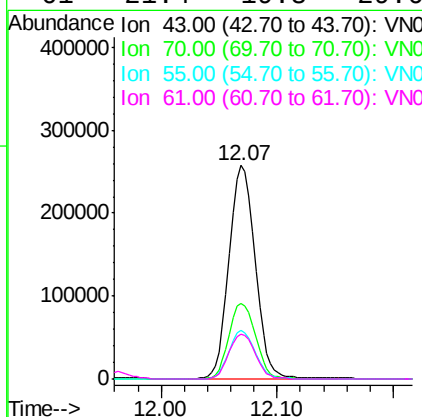
Manual Integrations
APPROVED

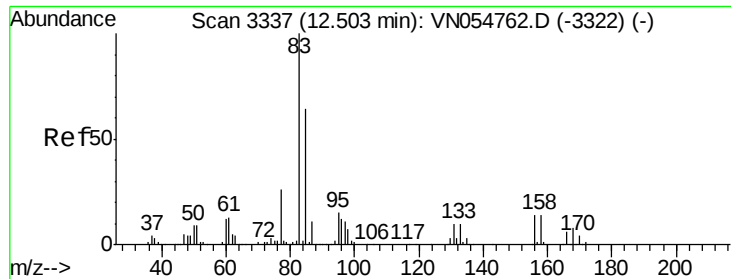
MMDadoda
4/1/2019 1:31:43 PM



#74
N-ethyl acetate
Concen: 58.100 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 43 Resp: 400375
Ion Ratio Lower Upper
43 100
70 36.4 35.4 53.0
55 23.0 19.8 29.6
61 21.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 60.475 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

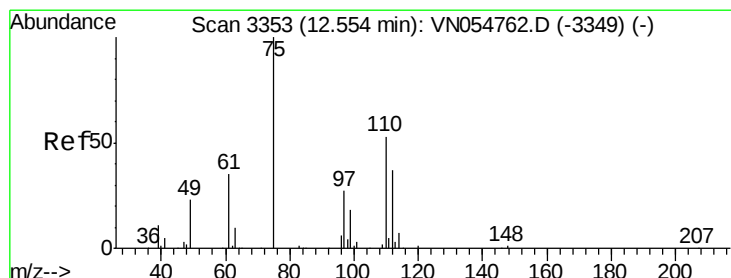
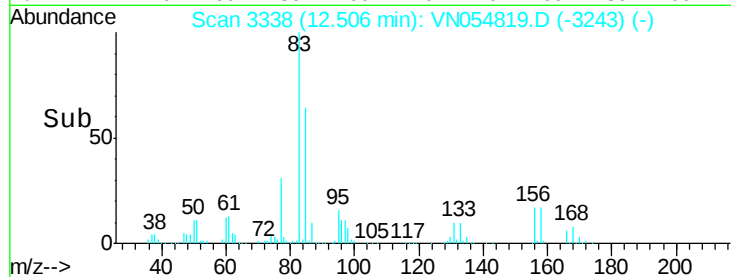
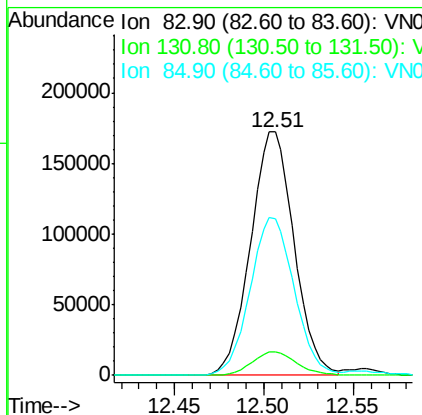
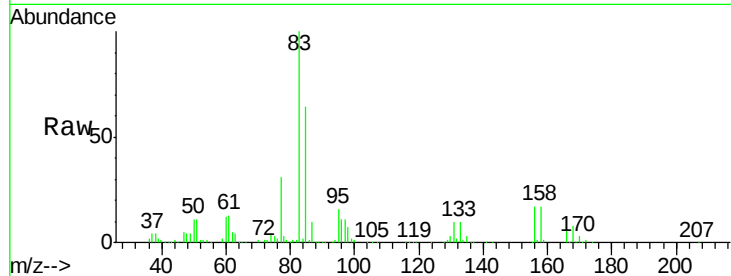
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	293138
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	65.8	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.872 ug/l m

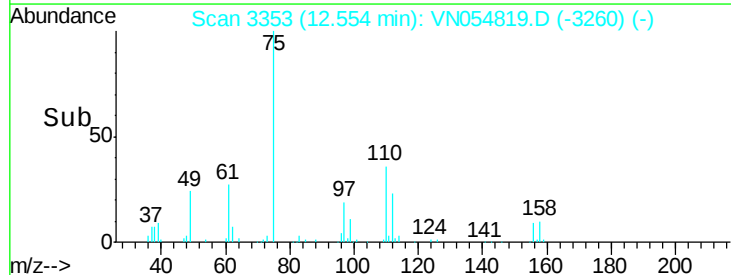
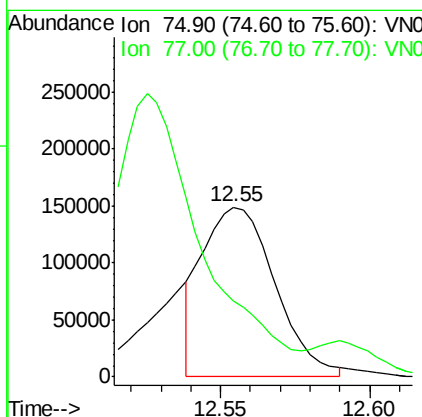
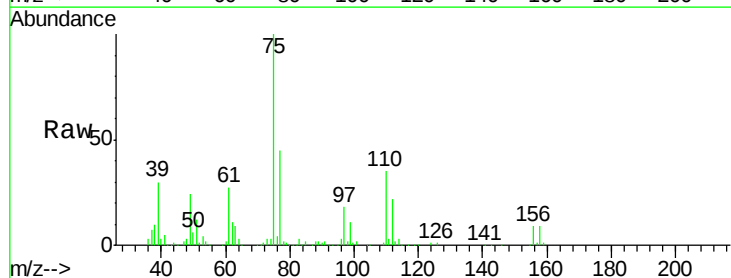
RT: 12.55 min Scan# 3353

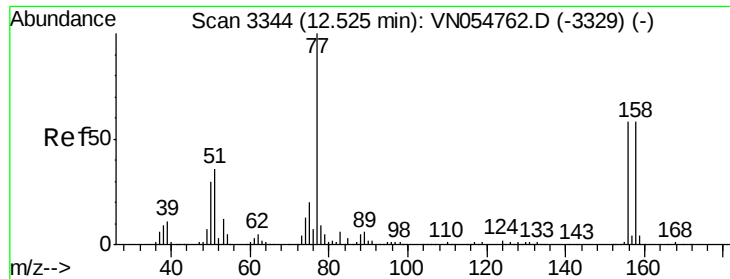
Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Tgt Ion:	75	Resp:	253271
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.205 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

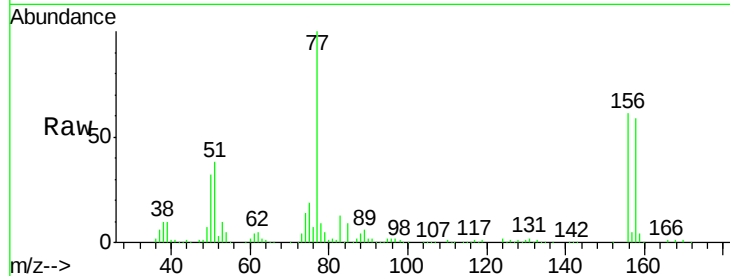
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	196.2	81.5	244.4
158	97.6	49.0	147.2

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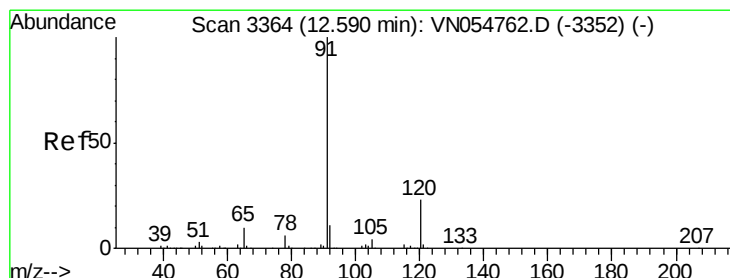
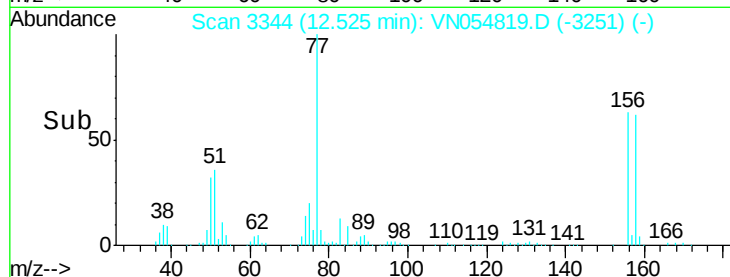
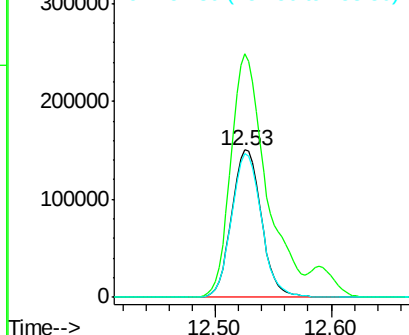
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.811 ug/l

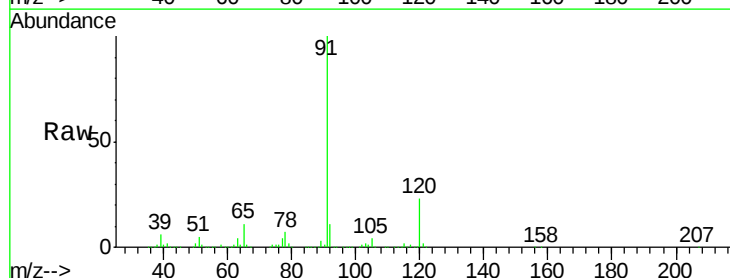
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054819.D

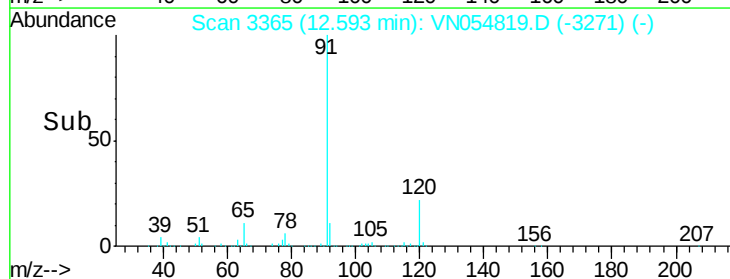
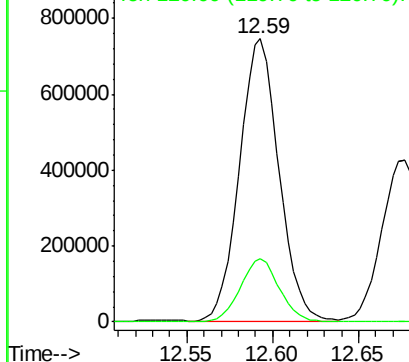
Acq: 30 Mar 2019 23:04

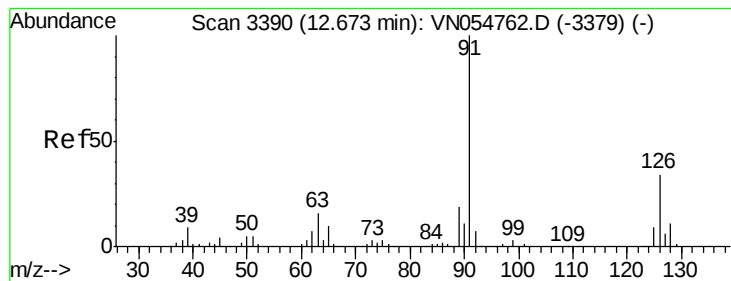
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





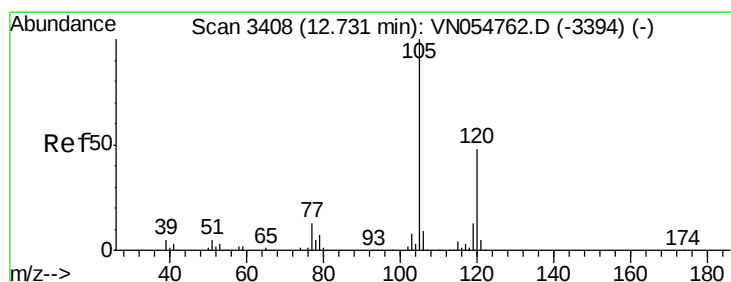
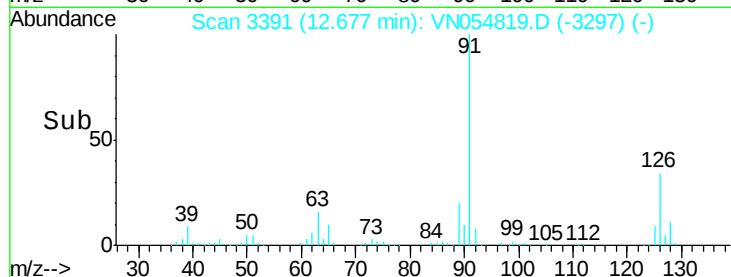
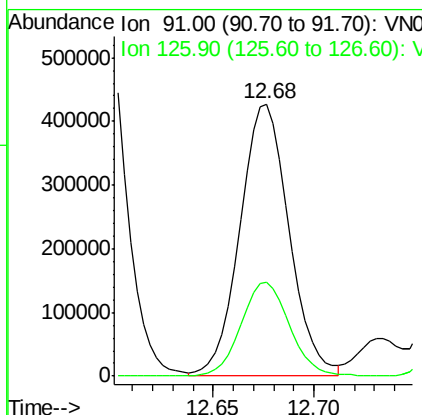
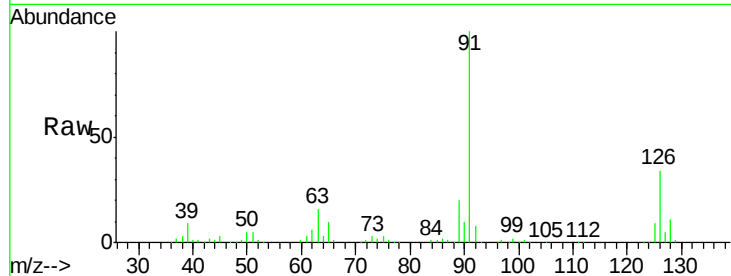
#79
2-Chlorotoluene
Concen: 48.134 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 723974
Ion Ratio Lower Upper
91 100
126 34.4 18.7 56.1

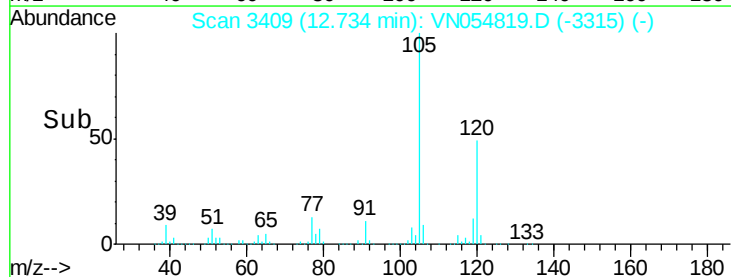
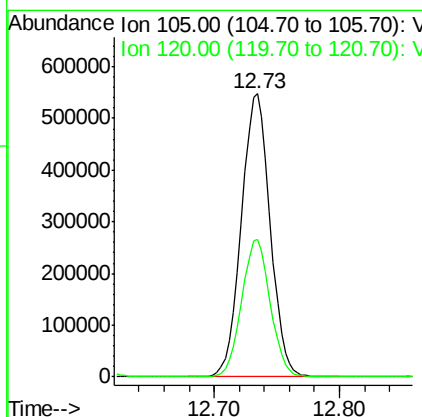
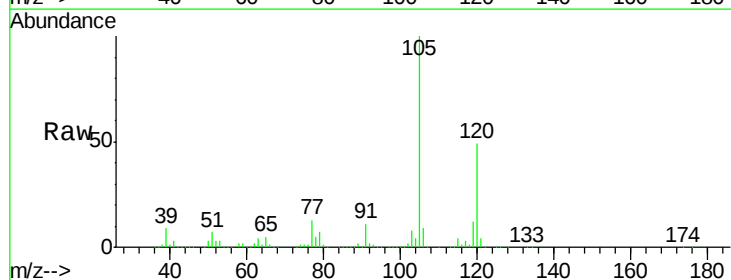
Manual Integrations
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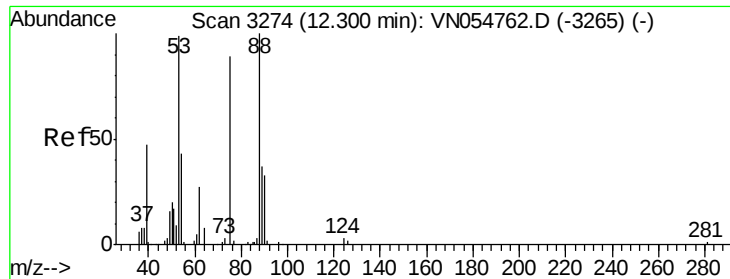
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#80
1,3,5-Trimethylbenzene
Concen: 48.016 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion: 105 Resp: 871477
Ion Ratio Lower Upper
105 100
120 48.3 25.0 75.0





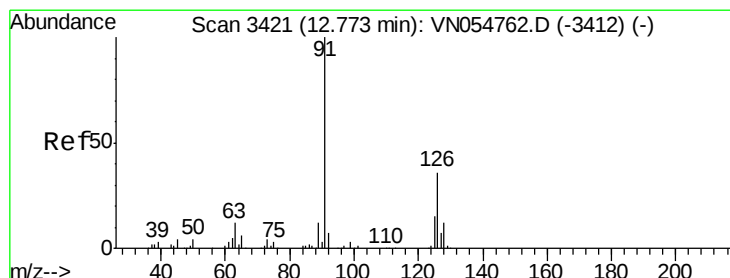
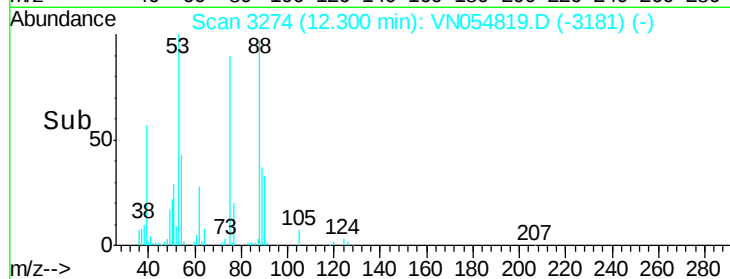
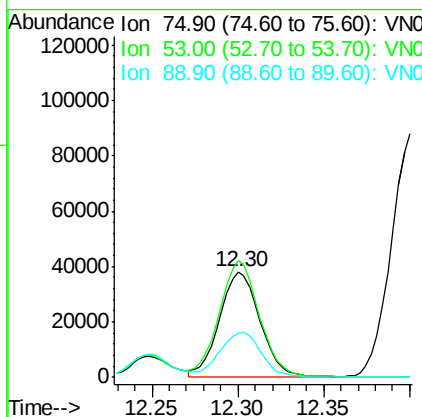
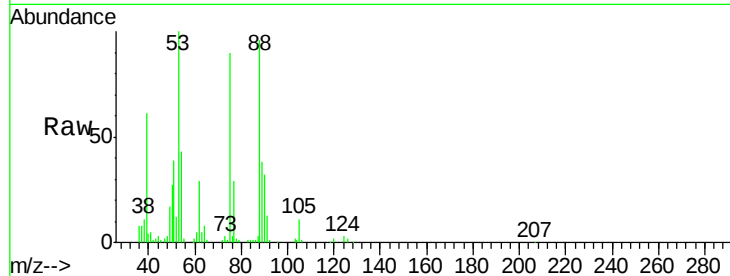
#81
trans-1,4-Dichloro-2-butene
Concen: 50.819 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.7	76.2	114.2
89	44.8	39.2	58.8

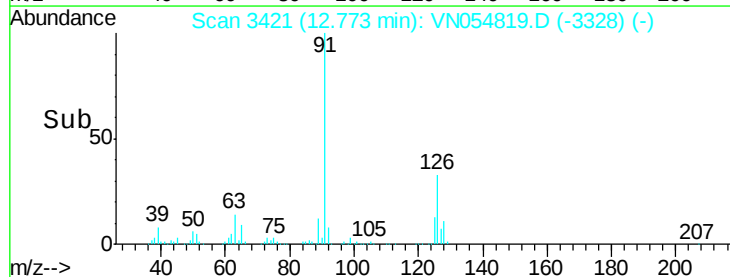
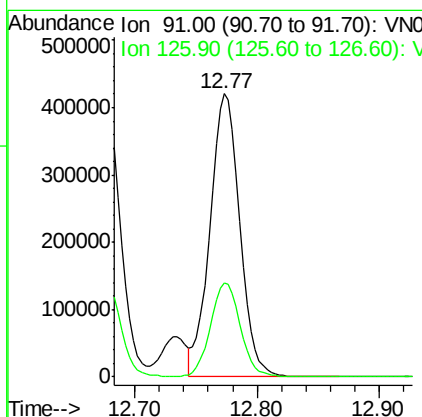
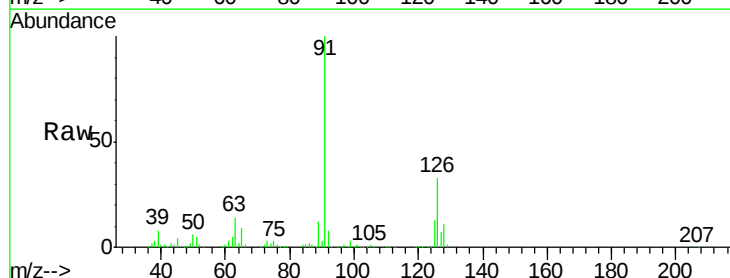
Manual Integrations
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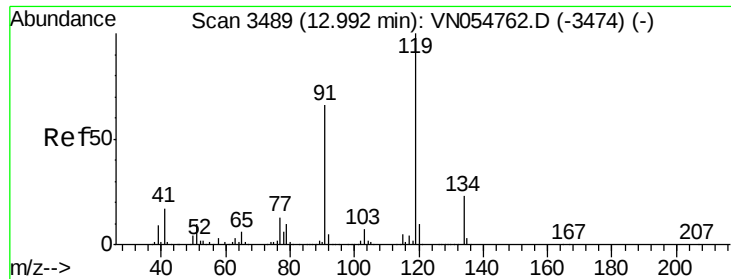
MMDadoda
4/1/2019 1:31:43 PM



#82
4-Chlorotoluene
Concen: 49.185 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	18.1	54.1





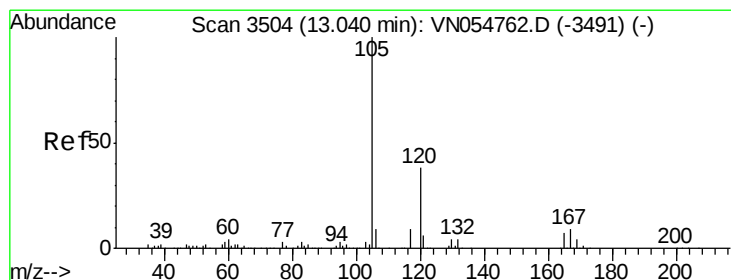
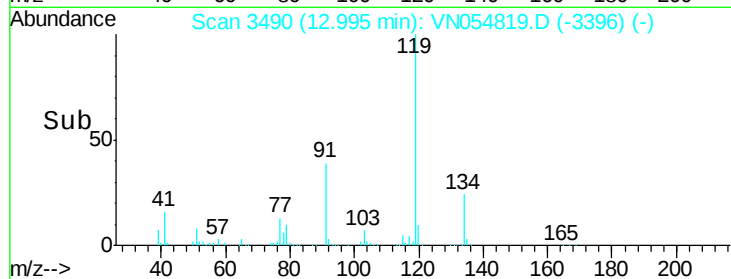
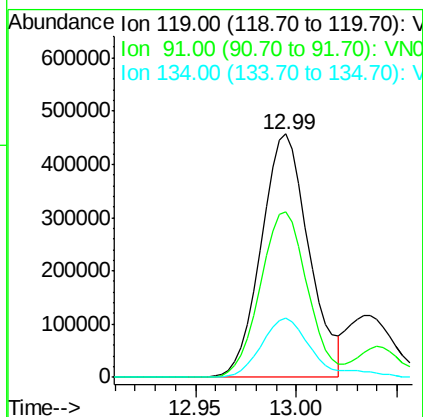
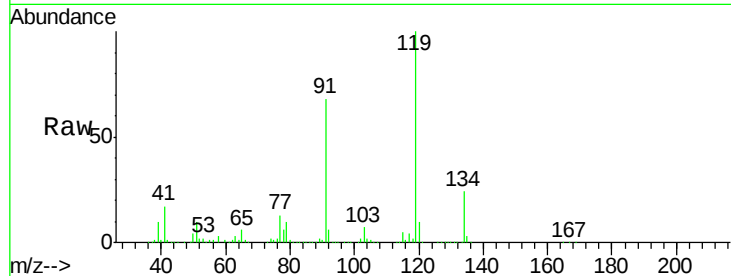
#83
tert-Butylbenzene
Concen: 53.673 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	30.9	92.8
134	26.1	13.2	39.6

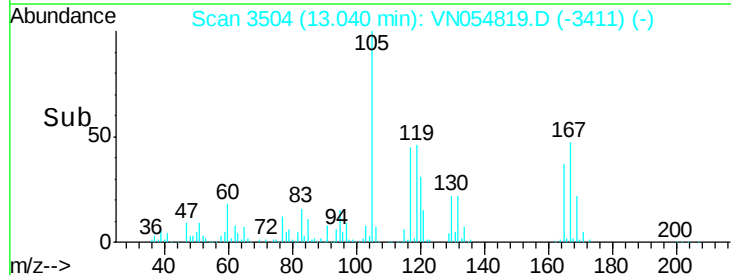
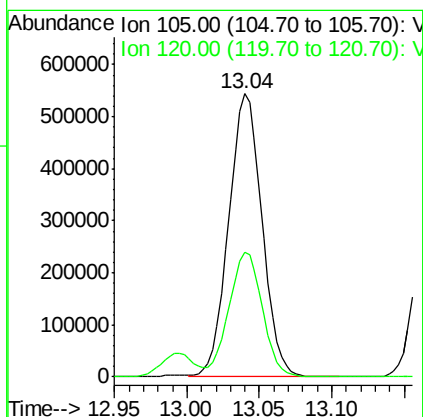
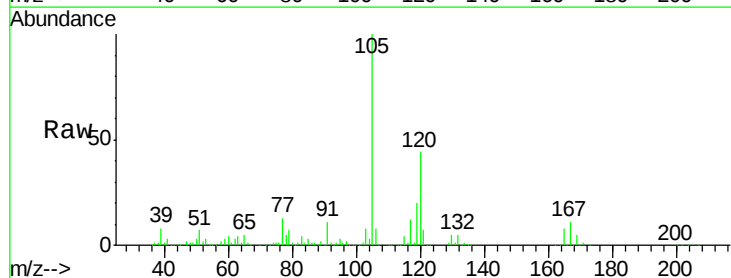
Manual Integrations
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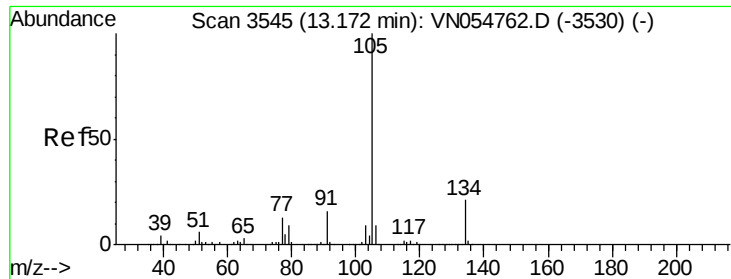
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4/1/2019 1:31:43 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.128 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054819.D
Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	23.4	70.3





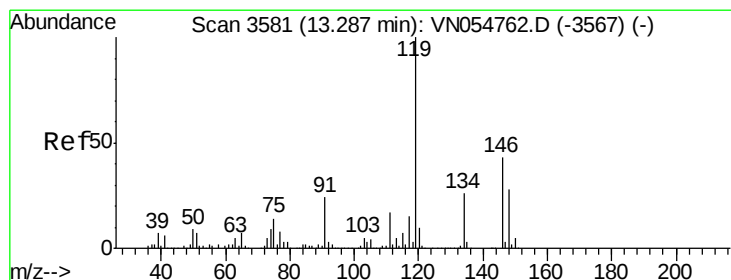
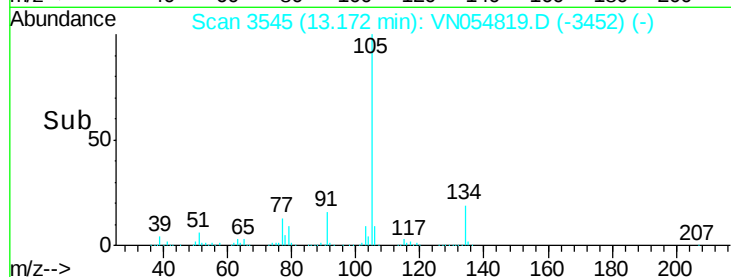
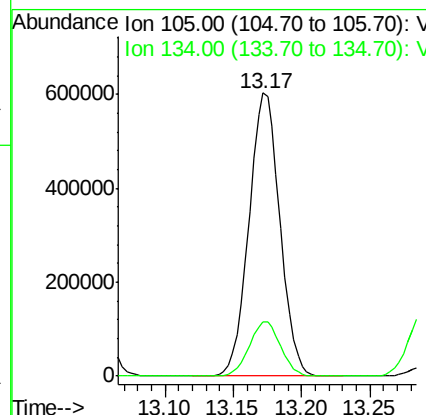
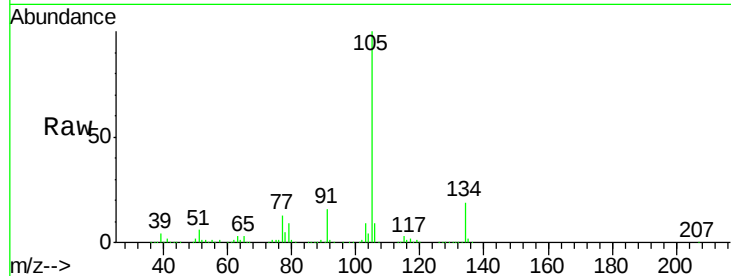
#85
 sec-Butylbenzene
 Concen: 48.064 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.7	32.1

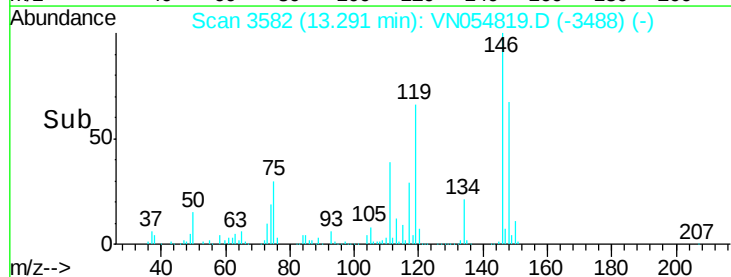
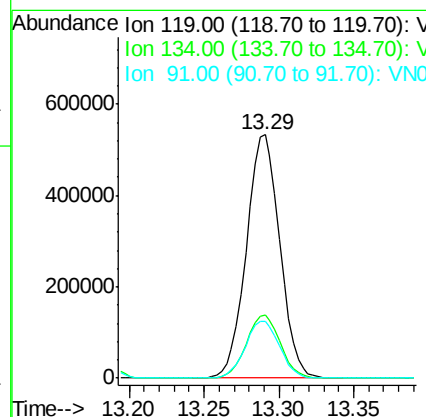
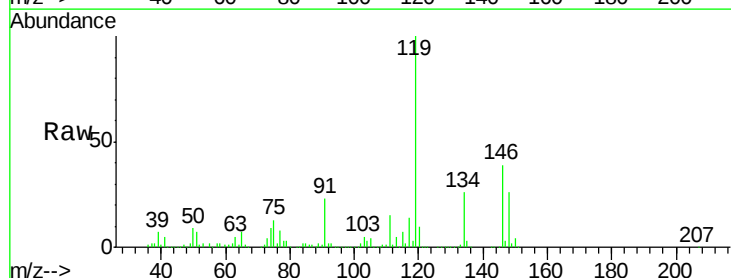
Manual Integrations
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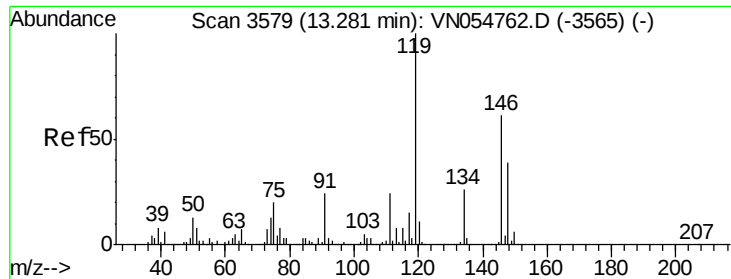
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 4/1/2019 1:31:43 PM



#86
 p-Isopropyltoluene
 Concen: 47.523 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.6	40.8
91	23.9	11.1	33.3





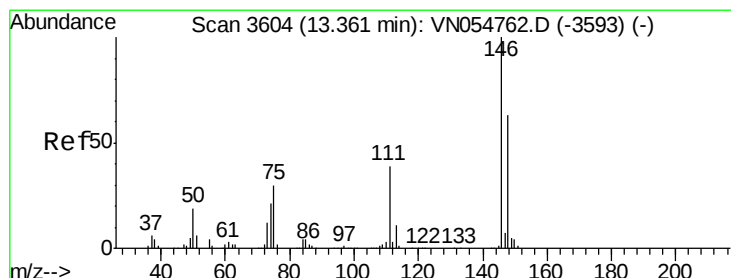
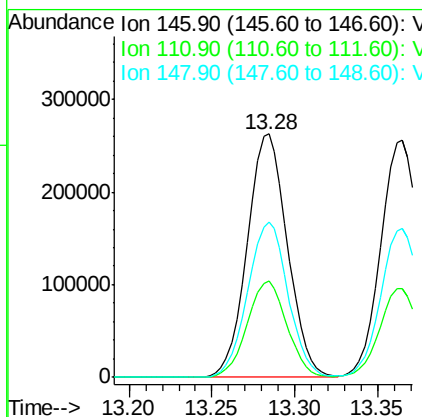
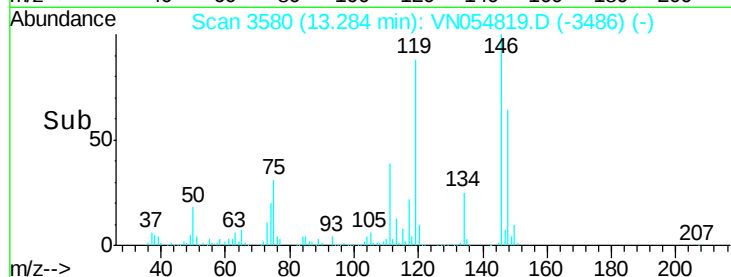
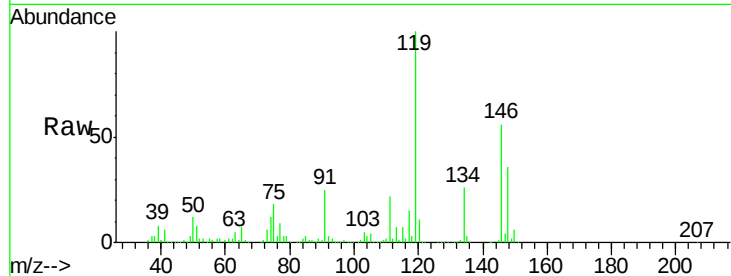
#87
 1,3-Dichlorobenzene
 Concen: 49.350 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.8	56.3
148	64.3	32.2	96.6

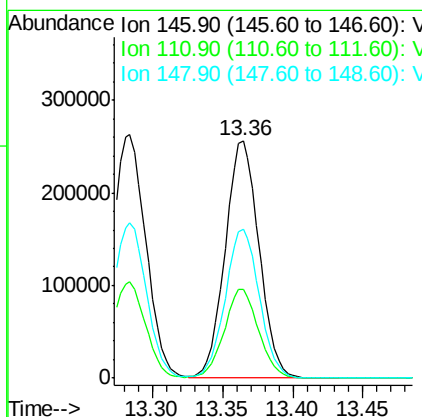
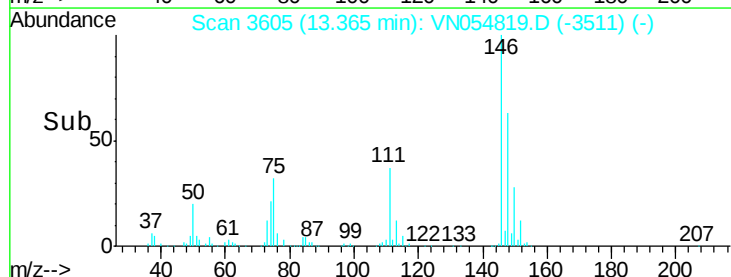
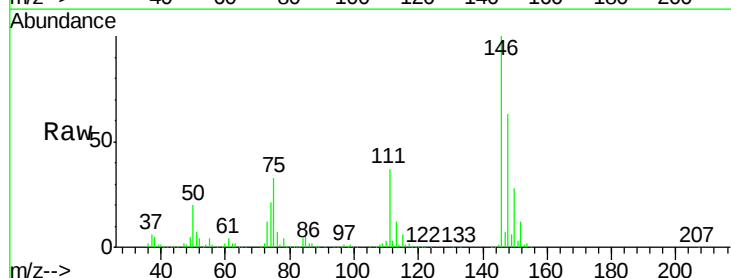
Manual Integrations
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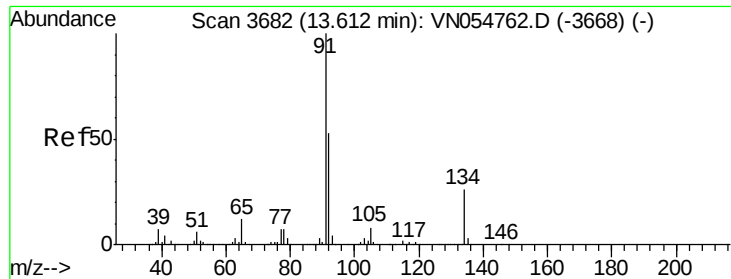
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#88
 1,4-Dichlorobenzene
 Concen: 49.026 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.1	54.1
148	63.2	32.0	96.0





#89

n-Butylbenzene

Concen: 46.791 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

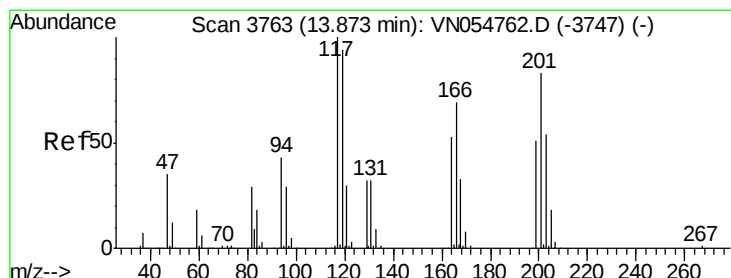
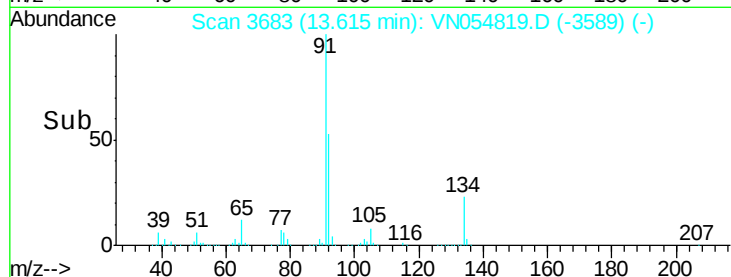
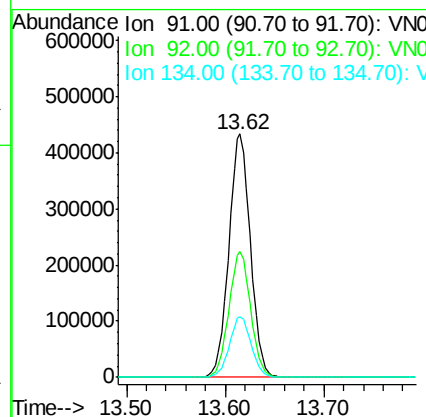
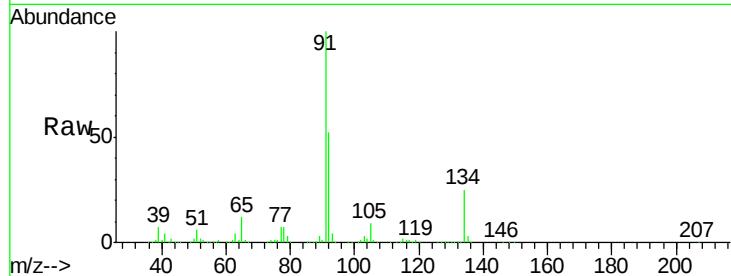
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	663865
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.6
134	25.0	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 49.826 ug/l

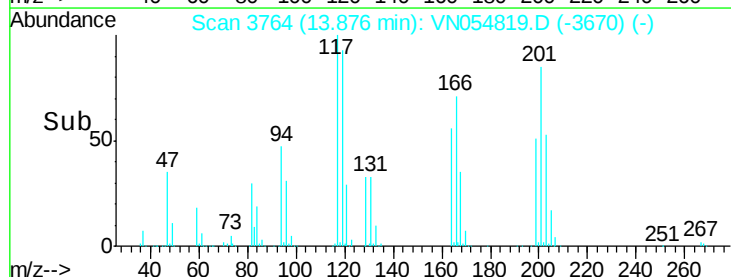
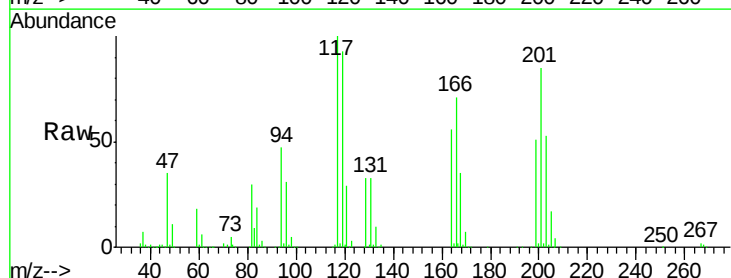
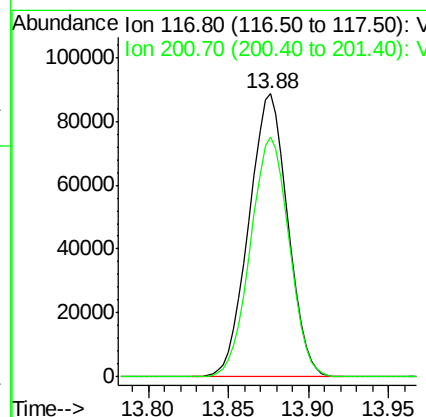
RT: 13.88 min Scan# 3764

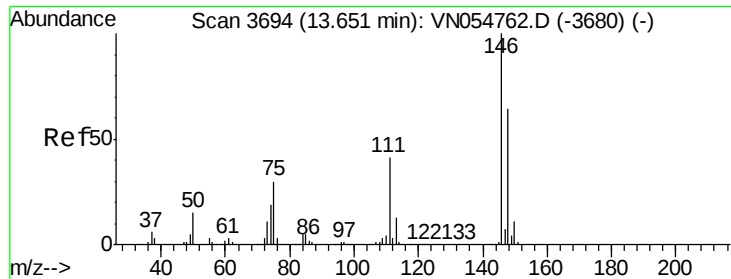
Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Tgt Ion:	117	Resp:	147110
Ion	Ratio	Lower	Upper
117	100		
201	84.5	48.1	144.4





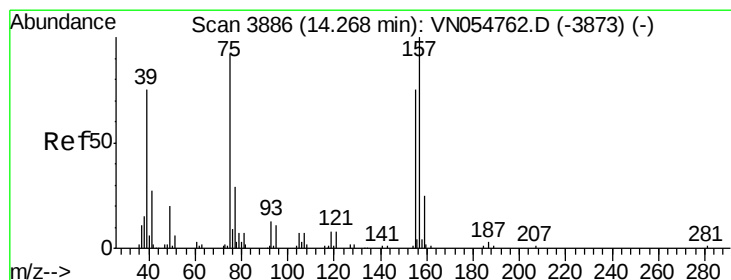
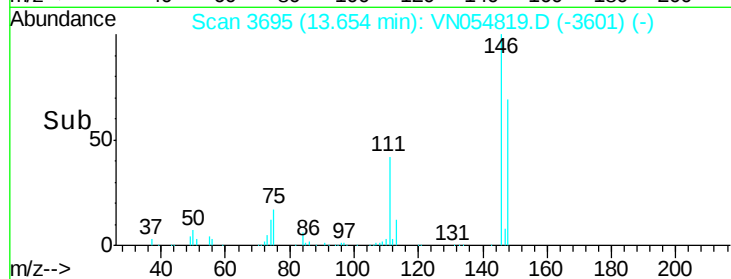
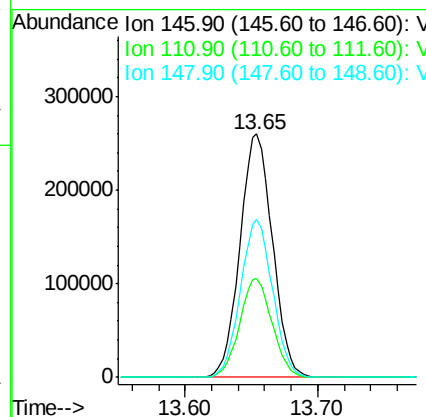
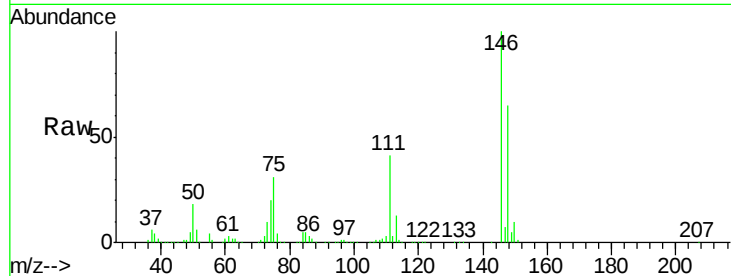
#91
 1,2-Dichlorobenzene
 Concen: 48.977 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.1	57.3
148	64.0	32.4	97.0

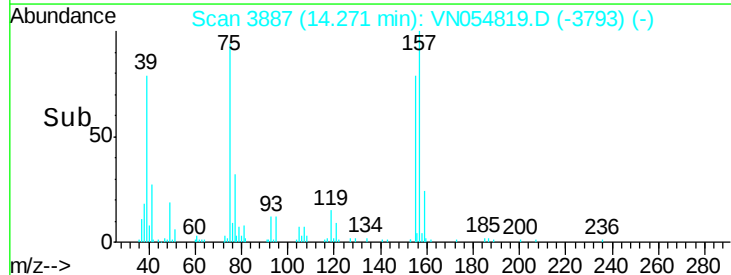
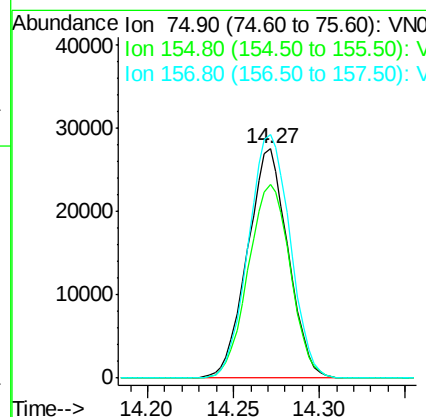
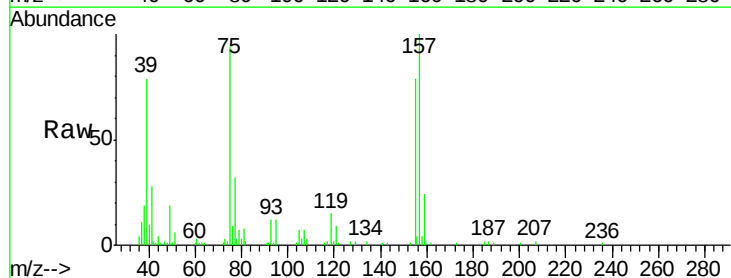
Manual Integrations
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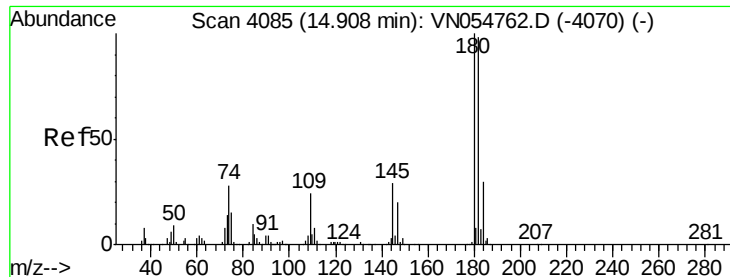
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.714 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	50.1	150.3
157	108.8	63.1	189.3





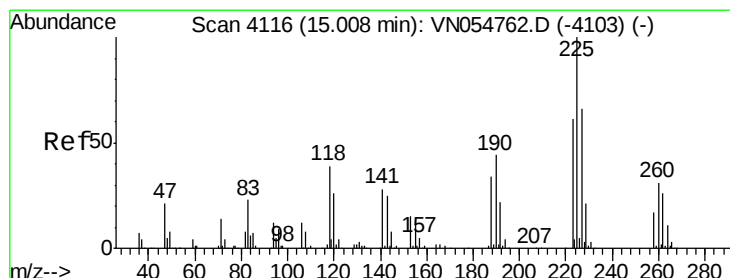
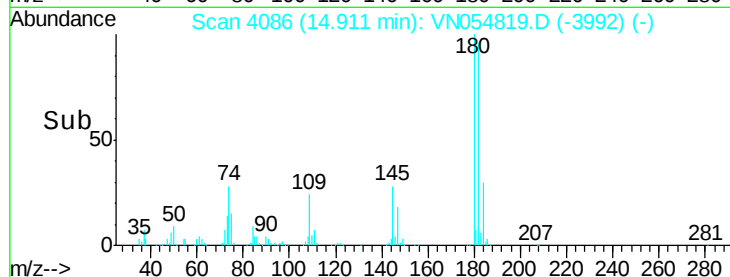
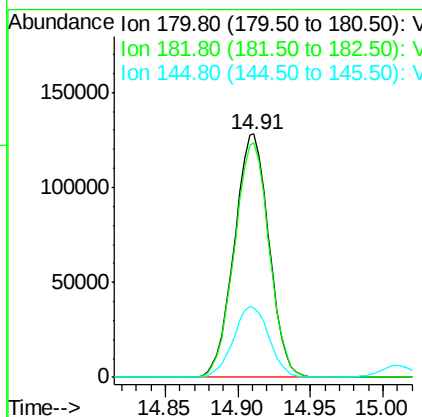
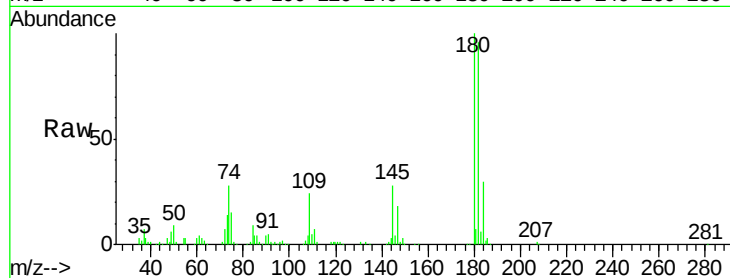
#93
 1,2,4-Trichlorobenzene
 Concen: 48.952 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	212882		
182	96.5	48.0	144.2	
145	30.0	14.2	42.8	

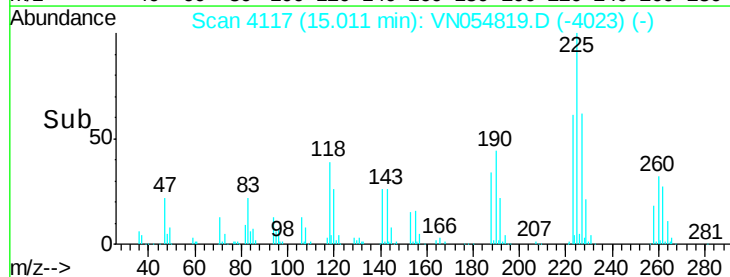
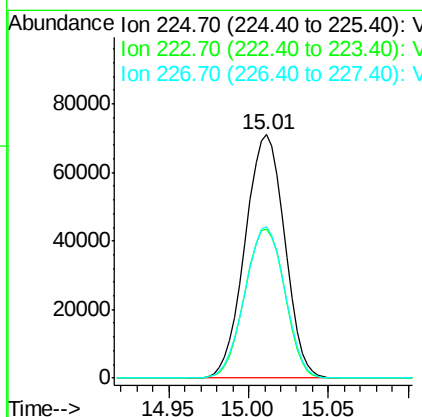
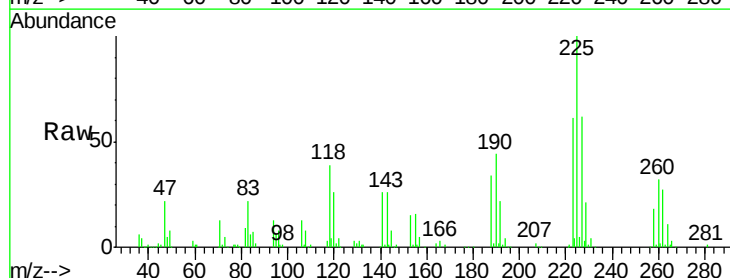
Manual Integrations
 APPROVED

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#94
 Hexachlorobutadiene
 Concen: 46.651 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054819.D
 Acq: 30 Mar 2019 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120511		
223	61.9	31.1	93.5	
227	62.7	31.9	95.9	





#95

Naphthalene

Concen: 54.581 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Instrument :

MSVOA_N

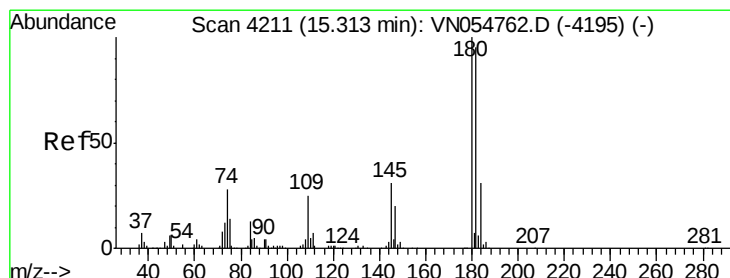
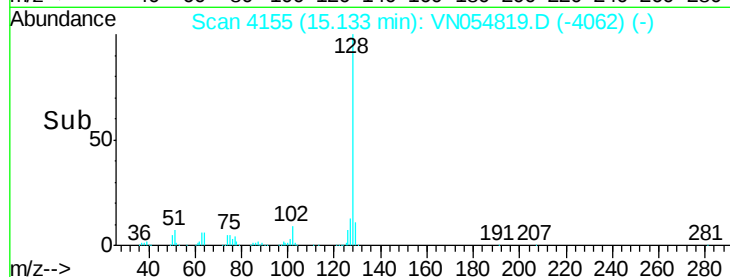
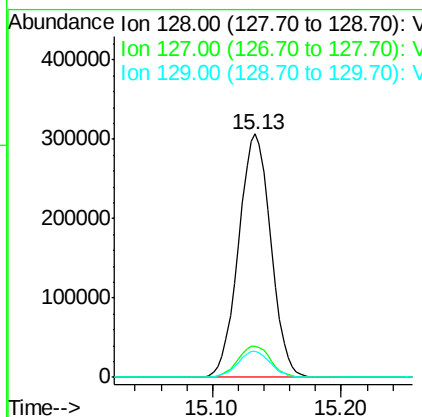
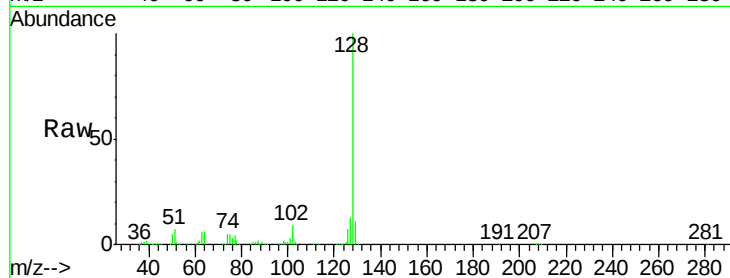
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	532356
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 1:31:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.534 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054819.D

Acq: 30 Mar 2019 23:04

Tgt Ion:	180	Resp:	217551
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.5	142.6
145	32.2	14.8	44.3

