

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120519\
 Data File : VN059491.D
 Acq On : 5 Dec 2019 11:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 12/6/2019 2:54:40 PM

Quant Time: Dec 06 00:36:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	381278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	598055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	538852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	255627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	247858	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	7.56	113	195403	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.08	98	766922	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.40	95	273021	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	173785	40.959	ug/l	99
3) Chloromethane	2.04	50	241787	42.518	ug/l	98
4) Vinyl Chloride	2.17	62	222658	65.250	ug/l	99
5) Bromomethane	2.55	94	84981	40.980	ug/l	100
6) Chloroethane	2.68	64	82067	40.735	ug/l	99
7) Trichlorofluoromethane	3.00	101	172378	41.827	ug/l	97
8) Diethyl Ether	3.39	74	114546	42.659	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	173404	42.862	ug/l	99
10) Methyl Iodide	3.93	142	223443	43.619	ug/l	99
11) Tert butyl alcohol	4.76	59	177068	198.387	ug/l	99
12) 1,1-Dichloroethene	3.71	96	168102	42.507	ug/l	98
13) Acrolein	3.58	56	152311	196.630	ug/l	98
14) Allyl chloride	4.29	41	331913	42.613	ug/l	98
15) Acrylonitrile	4.95	53	508422	210.557	ug/l	100
16) Acetone	3.79	43	580873	218.963	ug/l	100
17) Carbon Disulfide	4.03	76	544580	40.358	ug/l	99
18) Methyl Acetate	4.29	43	260404	40.840	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	594113	44.079	ug/l	99
20) Methylene Chloride	4.52	84	196238	43.839	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	189572	42.842	ug/l	98
22) Diisopropyl ether	5.92	45	655166	45.192	ug/l	99
23) Vinyl Acetate	5.86	43	2740119	235.544	ug/l	99
24) 1,1-Dichloroethane	5.82	63	367537	44.627	ug/l	99
25) 2-Butanone	6.81	43	740592	205.714	ug/l	99
26) 2,2-Dichloropropane	6.80	77	313235	43.974	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	212813	43.304	ug/l	99
28) Bromochloromethane	7.17	49	172047	53.615	ug/l	99
29) Tetrahydrofuran	7.18	42	466205	205.946	ug/l	99
30) Chloroform	7.35	83	348593	43.838	ug/l	100
31) Cyclohexane	7.63	56	337461	42.289	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	298547	43.197	ug/l	99
36) 1,1-Dichloropropene	7.77	75	275725	44.304	ug/l	100
37) Ethyl Acetate	6.90	43	286125	41.159	ug/l	99
38) Carbon Tetrachloride	7.75	117	268711	44.891	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	335286	44.767	ug/l	99
40) Benzene	8.02	78	809623	44.425	ug/l	99
41) Methacrylonitrile	7.15	41	128994	45.785	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	274489	44.339	ug/l	100
43) Isopropyl Acetate	8.14	43	458691	44.363	ug/l	99
44) Trichloroethene	8.82	130	204968	43.037	ug/l	99
45) 1,2-Dichloropropane	9.10	63	218159	44.806	ug/l	99
46) Dibromomethane	9.19	93	132377	43.669	ug/l	99
47) Bromodichloromethane	9.39	83	273544	45.004	ug/l	99
48) Methyl methacrylate	9.18	41	204715	43.886	ug/l	99
49) 1,4-Dioxane	9.19	88	62917	891.371	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1385208	225.700	ug/l	99
52) Toluene	10.14	92	489115	44.375	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	321060	44.890	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	345982	45.639	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	189924	43.711	ug/l	98
56) Ethyl methacrylate	10.42	69	295392	42.225	ug/l	99
57) 1,3-Dichloropropane	10.70	76	333745	44.417	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	314503	138.610	ug/l	100
59) 2-Hexanone	10.74	43	1038112	224.757	ug/l	99
60) Dibromochloromethane	10.90	129	210107	45.288	ug/l	99
61) 1,2-Dibromoethane	11.00	107	198438	44.198	ug/l	99
64) Tetrachloroethene	10.62	164	190093	41.473	ug/l	99
65) Chlorobenzene	11.43	112	511035	43.381	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	193140	45.630	ug/l	99
67) Ethyl Benzene	11.51	91	942897	45.685	ug/l	99
68) m/p-Xylenes	11.62	106	695434	90.492	ug/l	98
69) o-Xylene	11.94	106	328841	44.945	ug/l	100
70) Styrene	11.96	104	538493	46.105	ug/l	99
71) Bromoform	12.12	173	149923	45.441	ug/l #	100
73) Isopropylbenzene	12.25	105	894010	43.609	ug/l	100
74) N-amyl acetate	12.07	43	363580	44.031	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	280761	42.696	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	267114m	42.026	ug/l	
77) Bromobenzene	12.52	156	213593	41.694	ug/l	99
78) n-propylbenzene	12.59	91	1055182	44.229	ug/l	100
79) 2-Chlorotoluene	12.67	91	613922	42.688	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	752763	43.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105247	43.456	ug/l	99
82) 4-Chlorotoluene	12.77	91	636147	42.873	ug/l	100
83) tert-Butylbenzene	12.99	119	645582	43.404	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	745159	44.506	ug/l	99
85) sec-Butylbenzene	13.17	105	867937	44.029	ug/l	100
86) p-Isopropyltoluene	13.29	119	786755	44.537	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	383828	42.495	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	381724	41.905	ug/l	100
89) n-Butylbenzene	13.62	91	690458	43.625	ug/l	100
90) Hexachloroethane	13.88	117	145735	42.774	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	371537	42.908	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54424	40.106	ug/l	99

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QLast Update : Tue Dec 03 16:37:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	221599	41.921	ug/l	100
94) Hexachlorobutadiene	15.01	225	135739	45.265	ug/l	99
95) Naphthalene	15.13	128	571098	39.739	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	223330	42.369	ug/l	98

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

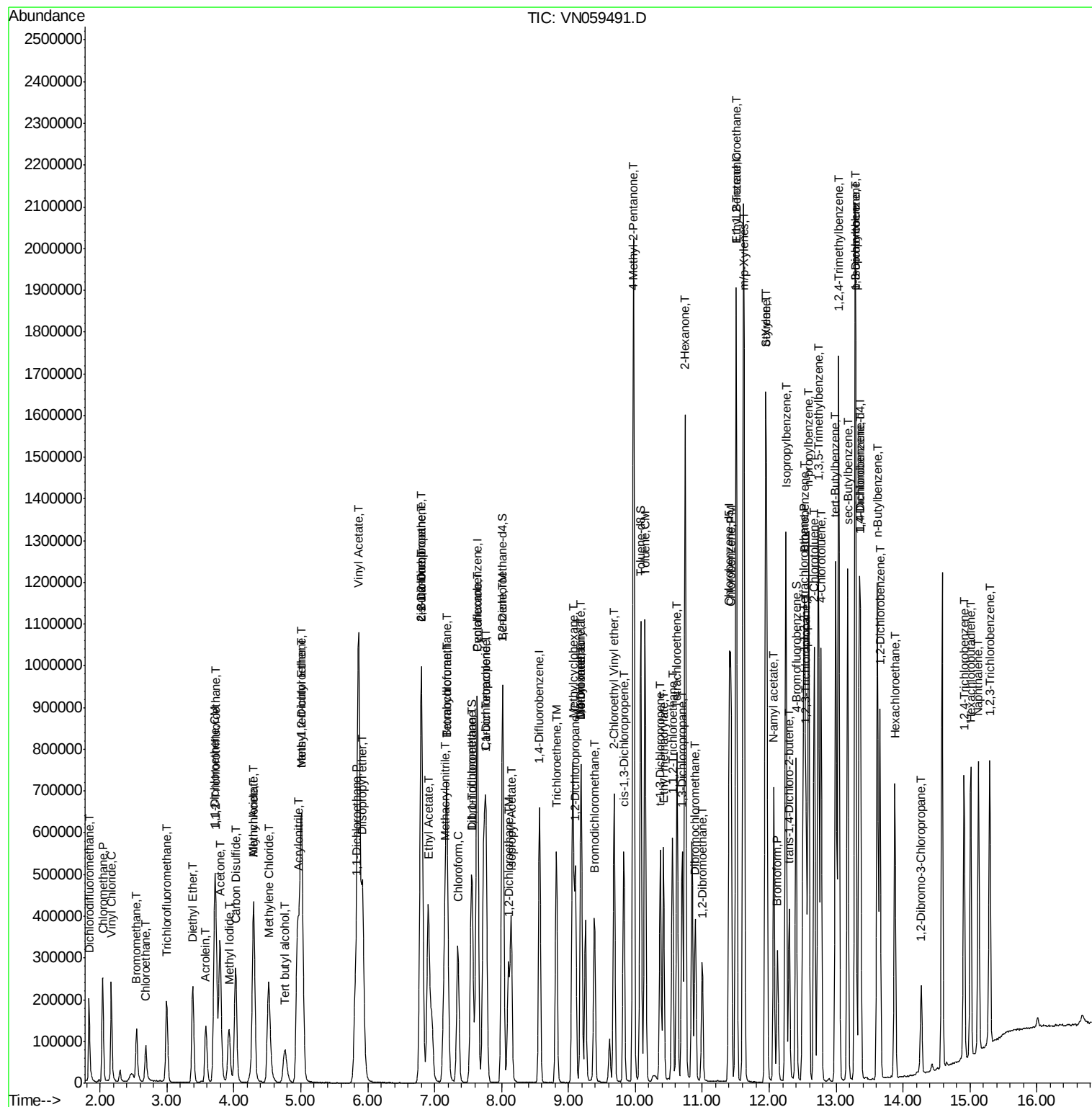
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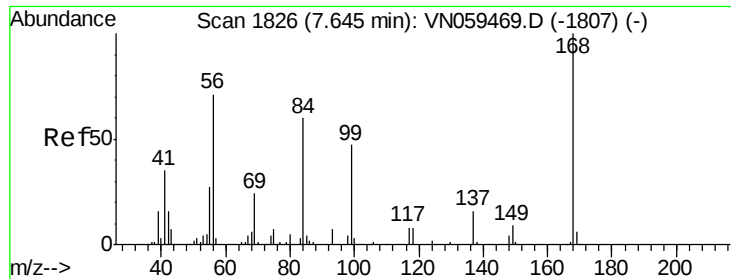
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 381278

Ion Ratio Lower Upper

168 100

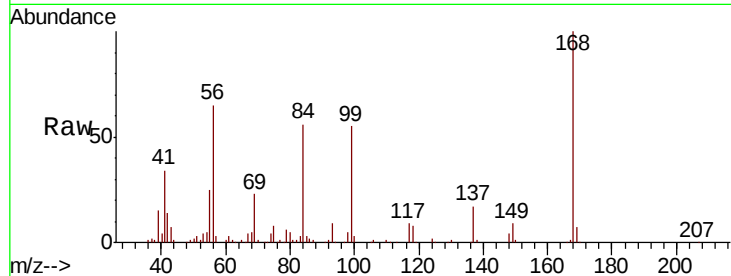
99 55.2 43.4 65.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

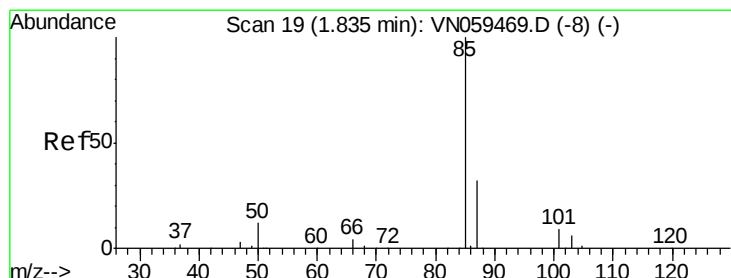
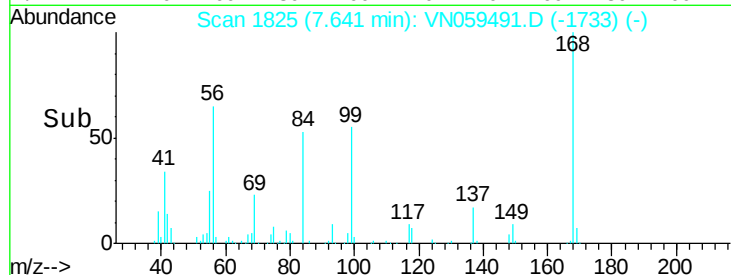
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 40.959 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059491.D

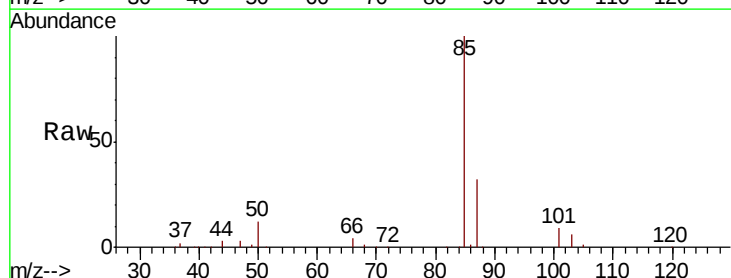
Acq: 5 Dec 2019 11:20

Tgt Ion: 85 Resp: 173785

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

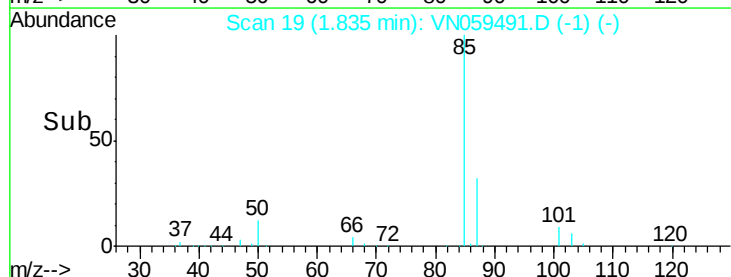
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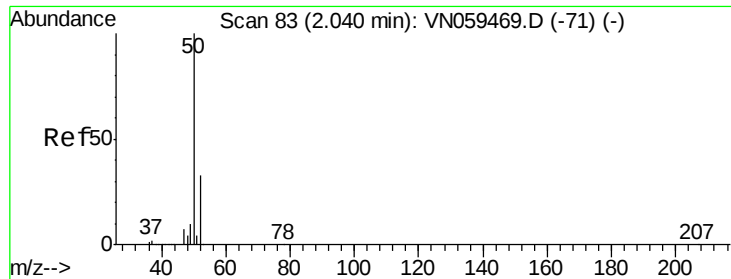
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 42.518 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 241787

Ion Ratio Lower Upper

50 100

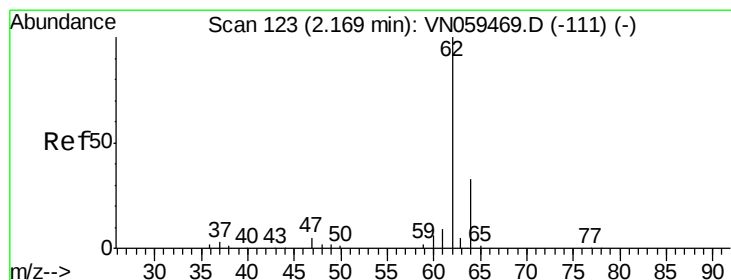
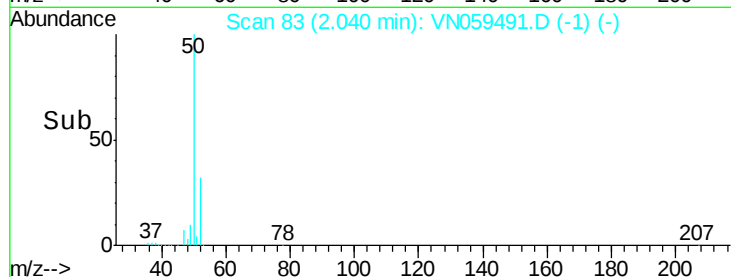
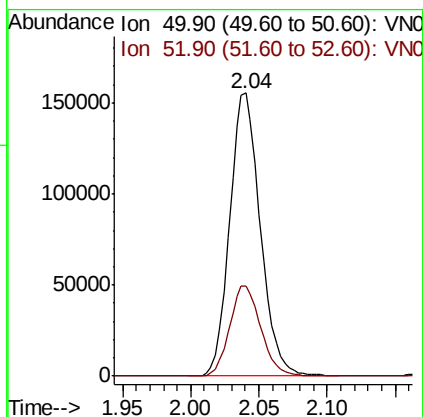
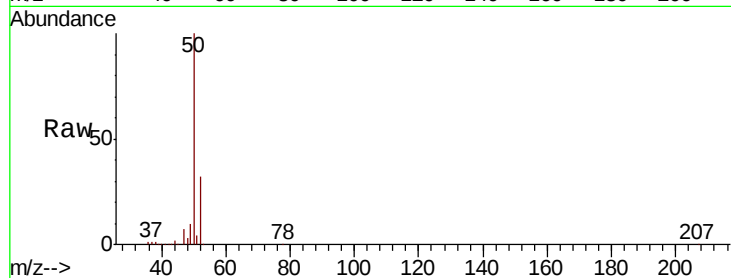
52 31.8 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 65.250 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059491.D

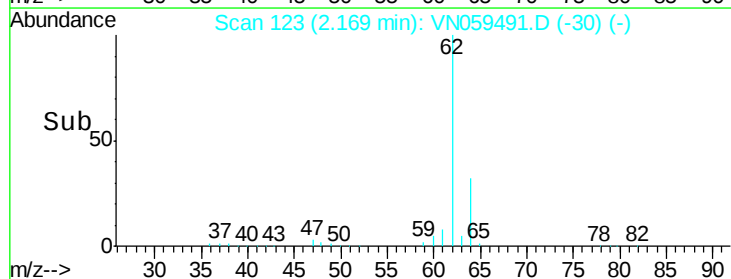
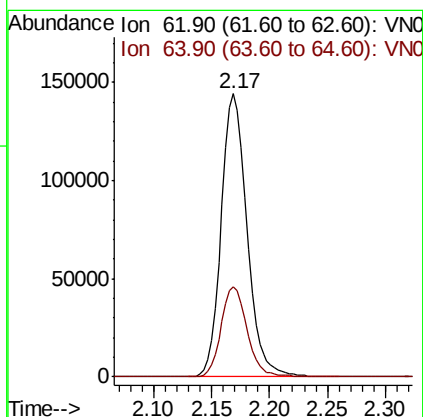
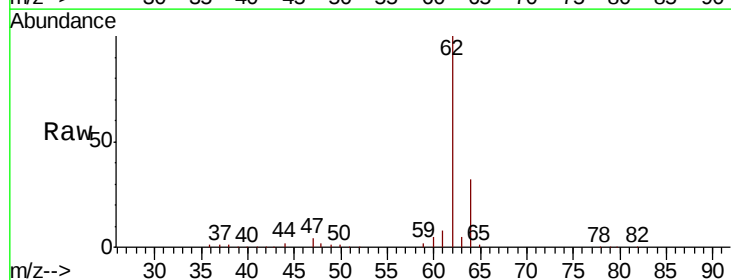
Acq: 5 Dec 2019 11:20

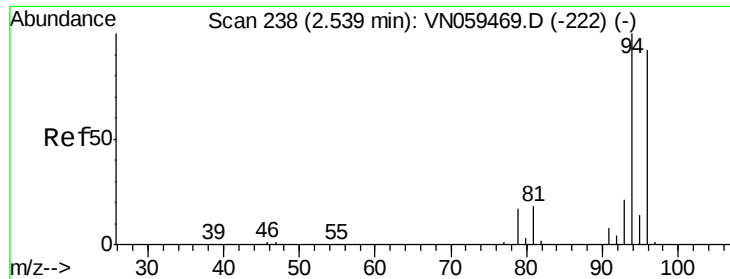
Tgt Ion: 62 Resp: 222658

Ion Ratio Lower Upper

62 100

64 32.0 26.0 39.0





#5

Bromomethane

Concen: 40.980 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 84981

Ion Ratio Lower Upper

94 100

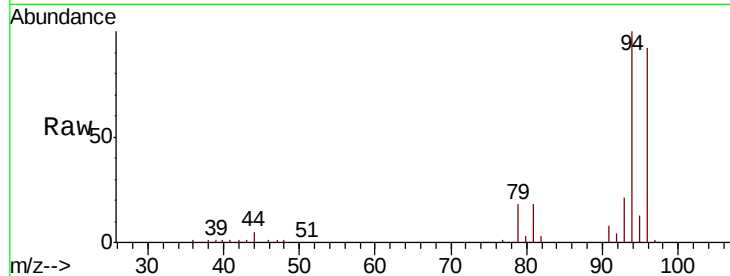
96 91.8 73.5 110.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN059491.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059491.D (-145) (-)

2.55

40000

30000

20000

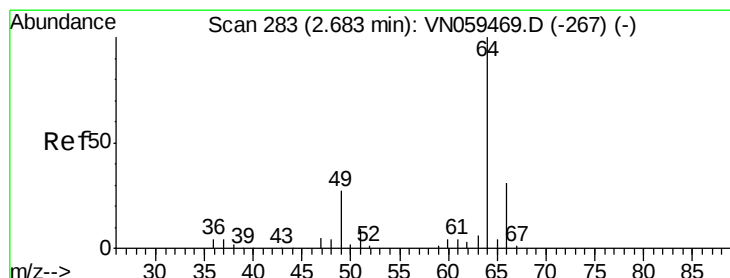
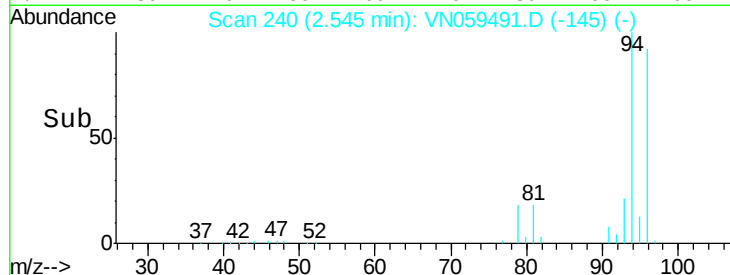
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Time-->

2.50

2.60



#6

Chloroethane

Concen: 40.735 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059491.D

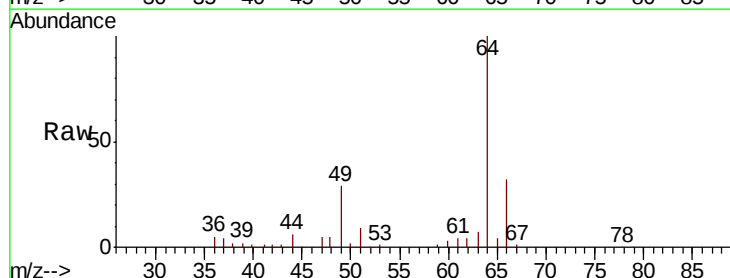
Acq: 5 Dec 2019 11:20

Tgt Ion: 64 Resp: 82067

Ion Ratio Lower Upper

64 100

66 32.1 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059491.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN059491.D (-190) (-)

2.68

40000

30000

20000

10000

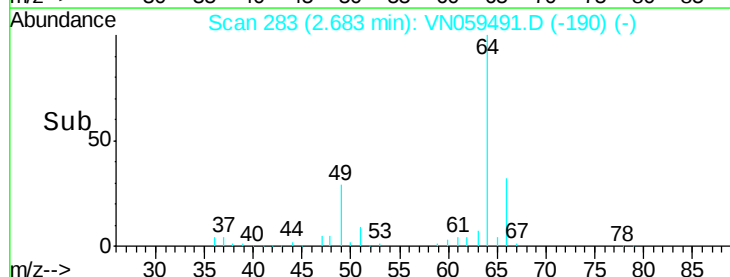
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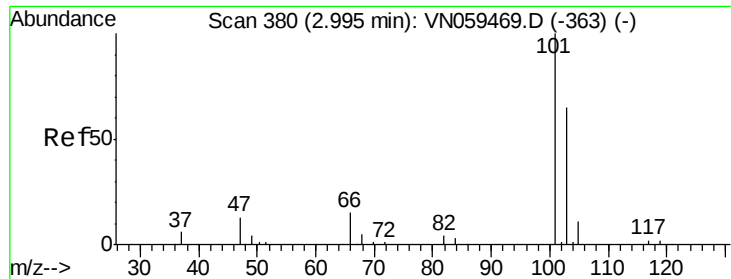
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2.60

2.70

2.80





#7

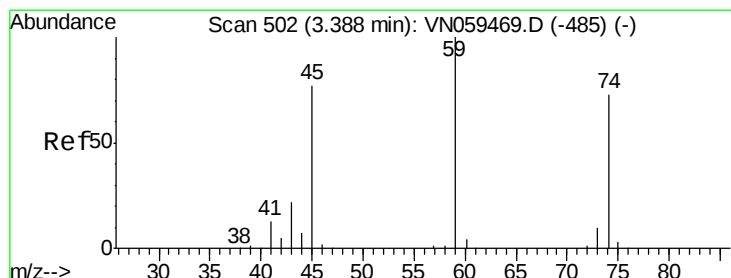
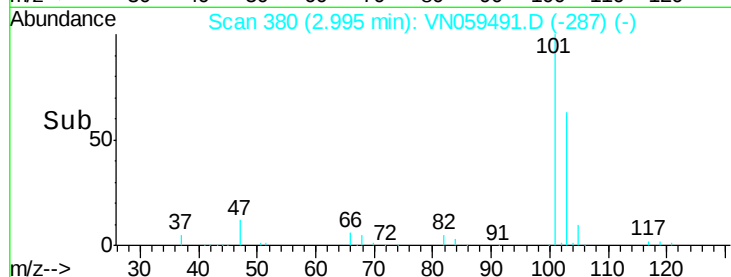
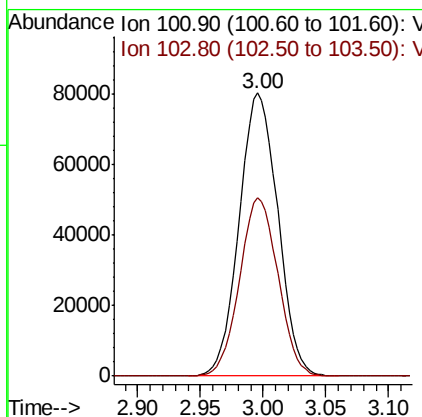
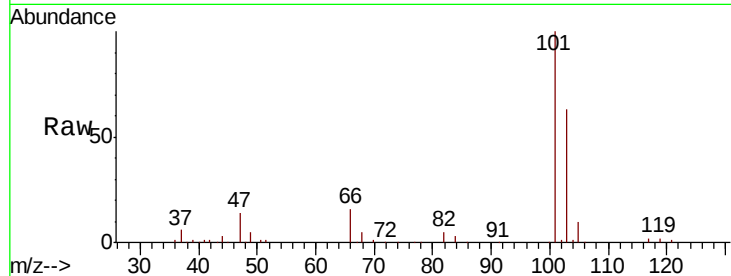
Trichlorofluoromethane
Concen: 41.827 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059491.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.4	78.6

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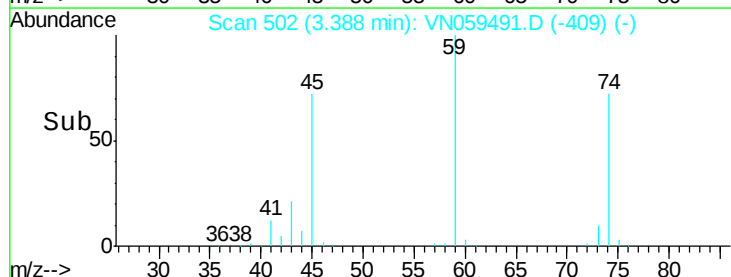
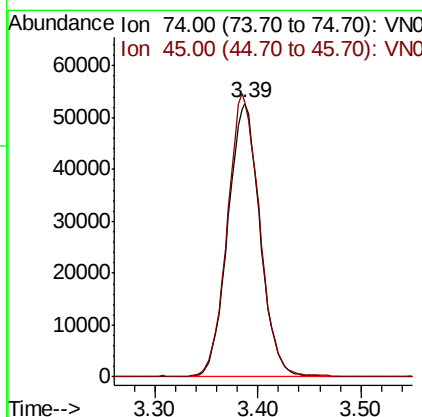
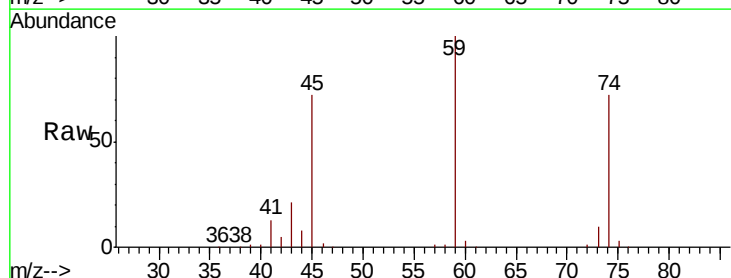
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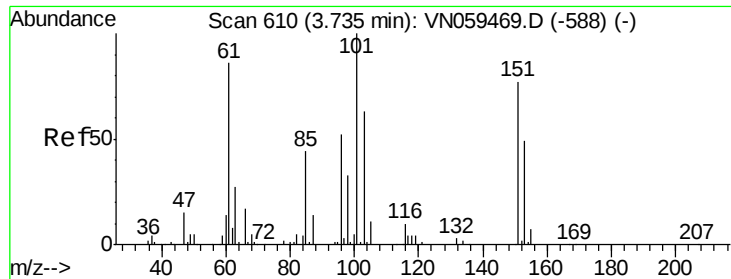


#8

Diethyl Ether
Concen: 42.659 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.862 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

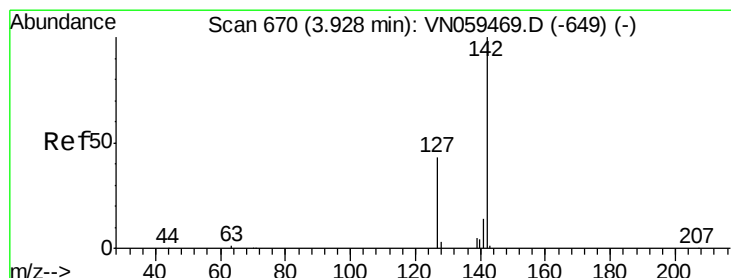
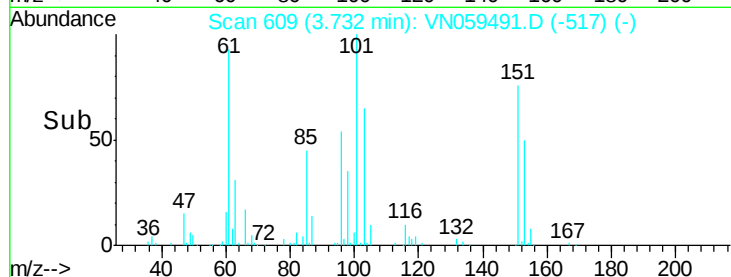
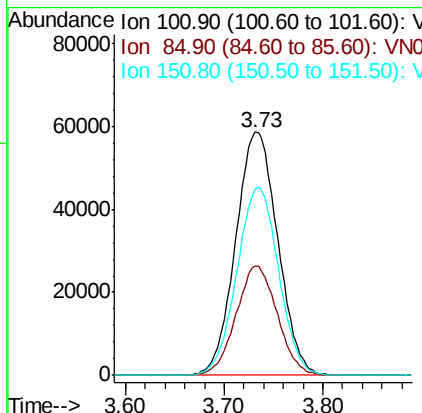
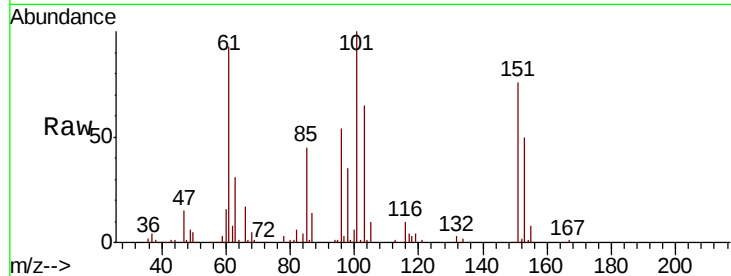
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	173404
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.2	52.8
151	76.7	62.4	93.6

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#10

Methyl Iodide

Concen: 43.619 ug/l

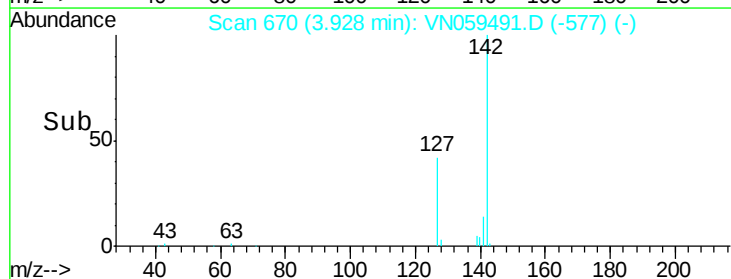
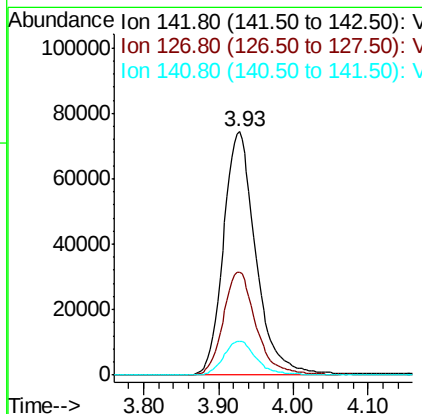
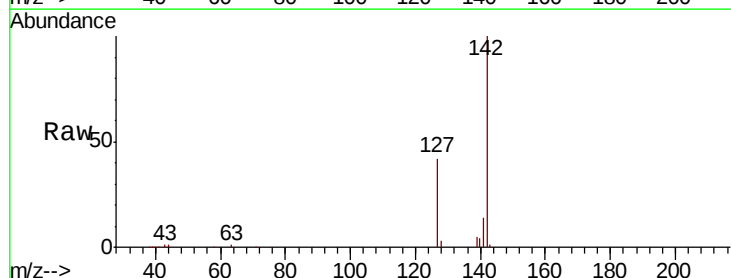
RT: 3.93 min Scan# 670

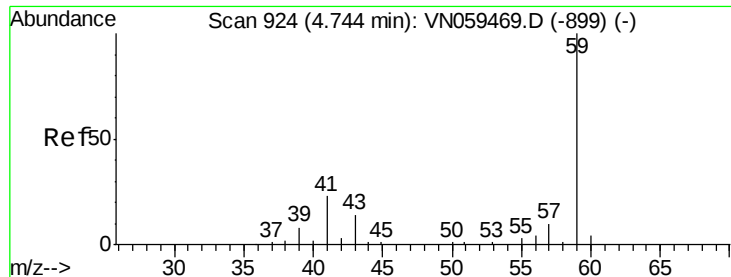
Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Tgt Ion:	142	Resp:	223443
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.6	52.0
141	14.1	11.4	17.0





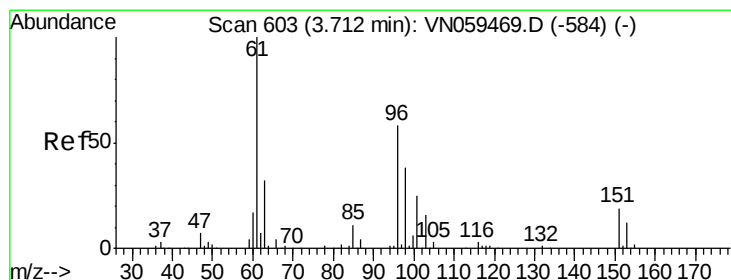
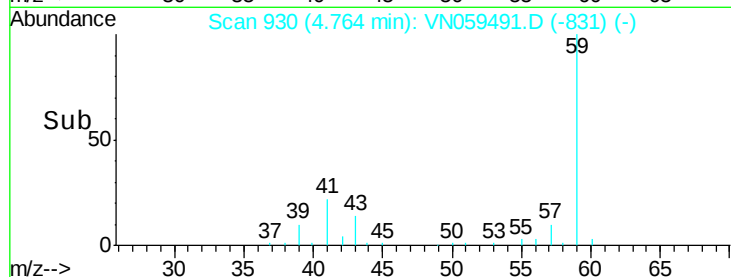
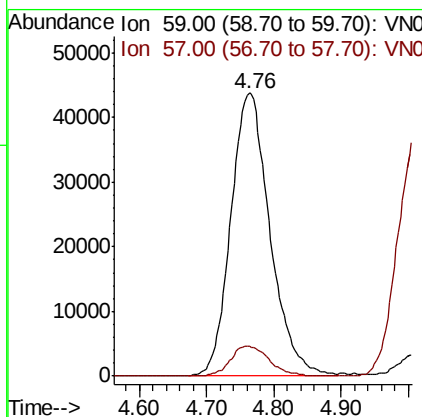
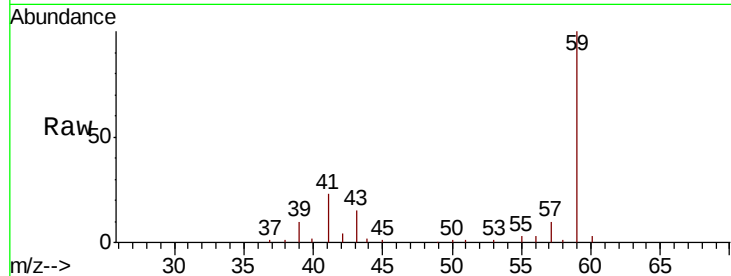
#11
Tert butyl alcohol
Concen: 198.387 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.02 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1

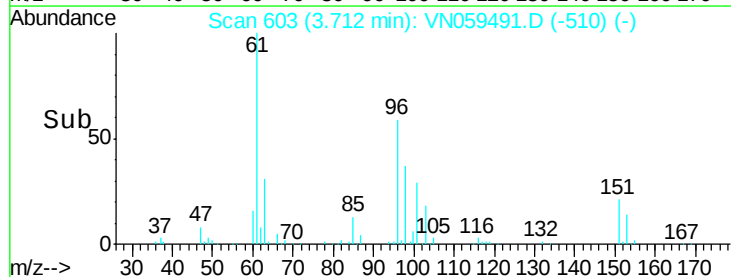
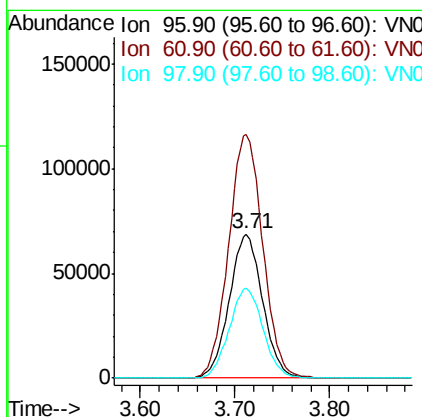
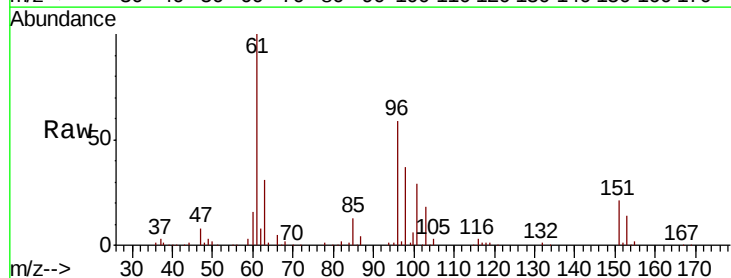
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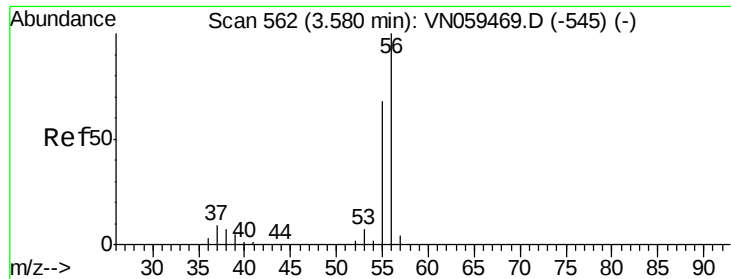
apatel
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#12
1,1-Dichloroethene
Concen: 42.507 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	137.1	205.7
98	62.5	52.4	78.6





#13

Acrolein

Concen: 196.630 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 152311

Ion Ratio Lower Upper

56 100

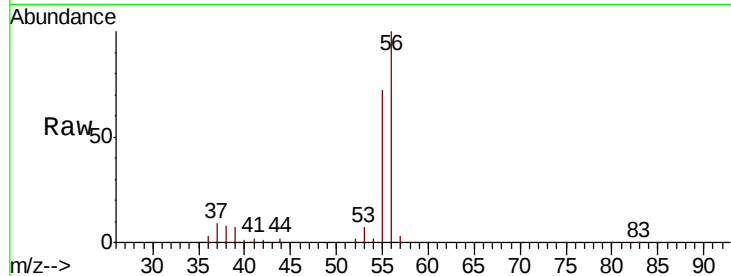
55 72.0 56.5 84.7

Manual Integrations

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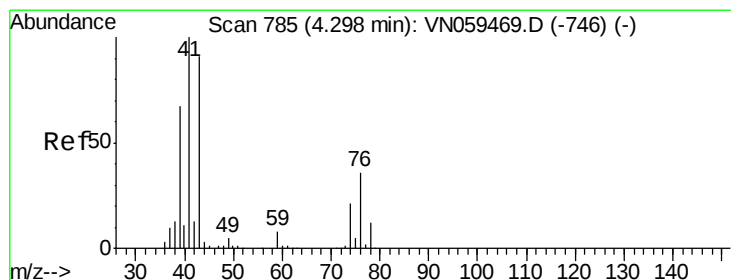
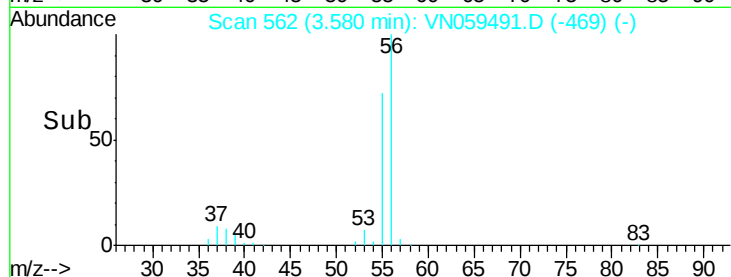
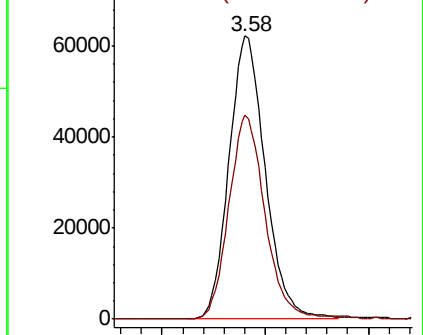
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 42.613 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

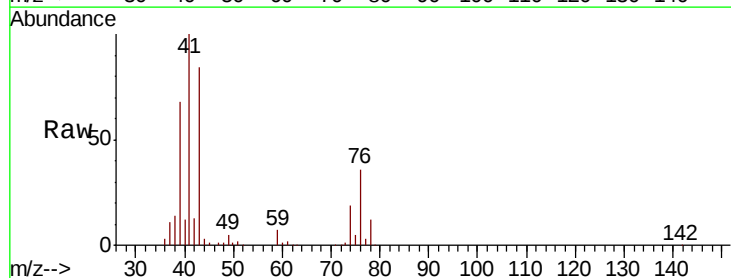
Tgt Ion: 41 Resp: 331913

Ion Ratio Lower Upper

41 100

39 63.5 49.3 73.9

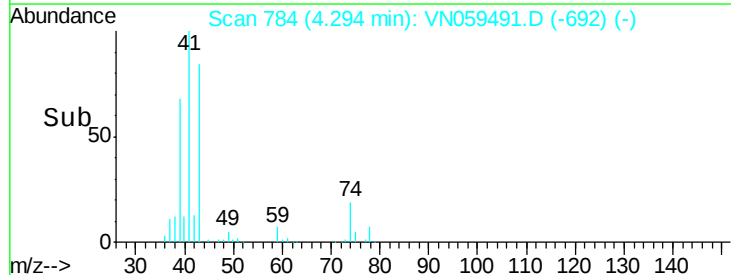
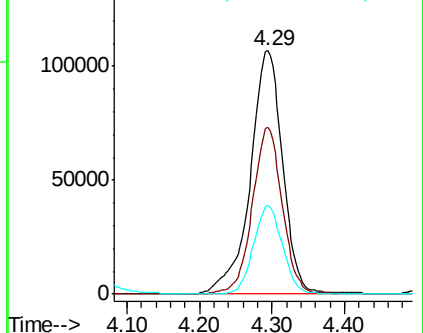
76 32.6 25.6 38.4

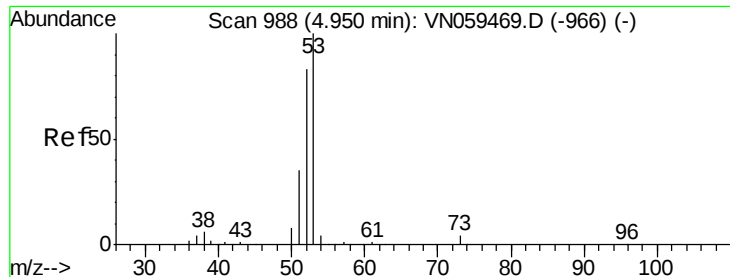


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 210.557 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

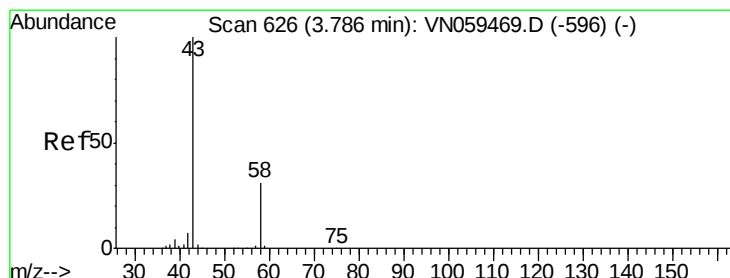
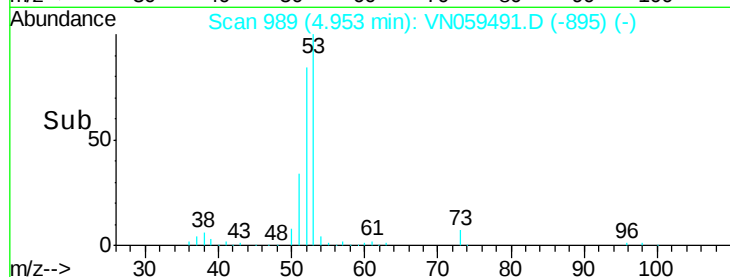
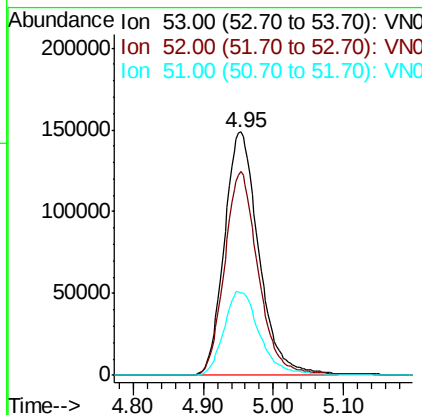
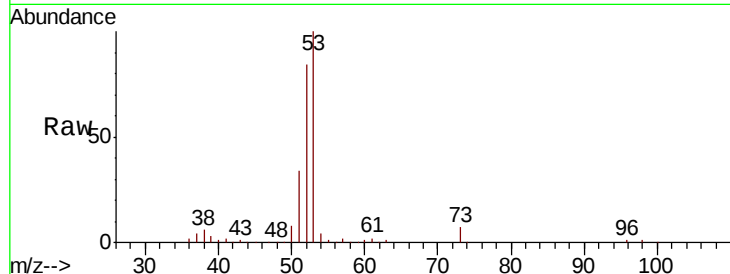
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	508422
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.5	98.3
51	35.8	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 218.963 ug/l

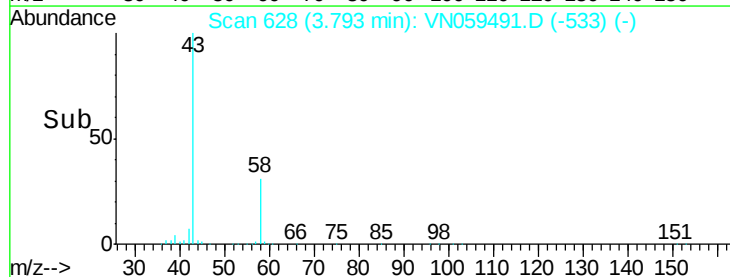
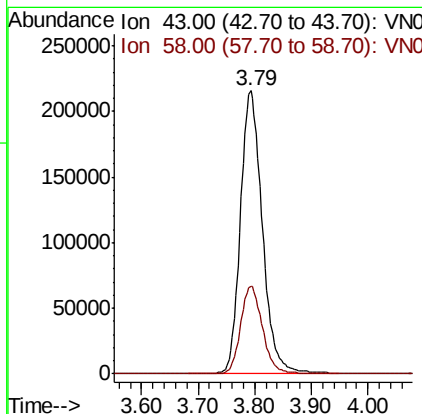
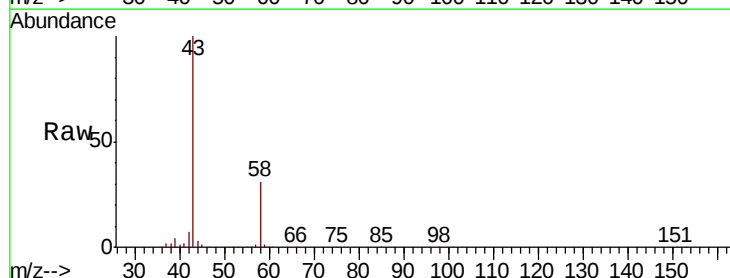
RT: 3.79 min Scan# 628

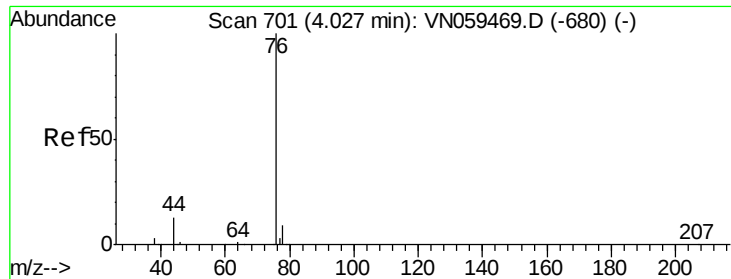
Delta R.T. 0.01 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Tgt Ion:	43	Resp:	580873
Ion Ratio	Lower	Upper	
43	100		
58	31.1	24.9	37.3





#17

Carbon Disulfide

Concen: 40.358 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 544580

Ion Ratio Lower Upper

76 100

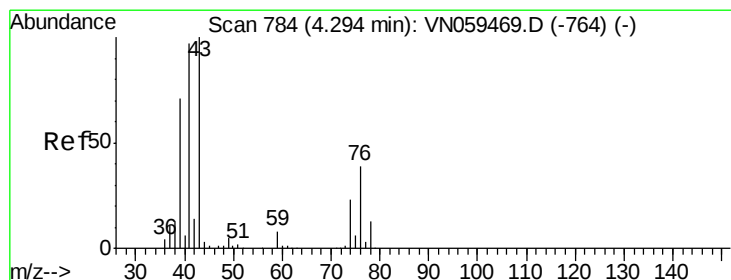
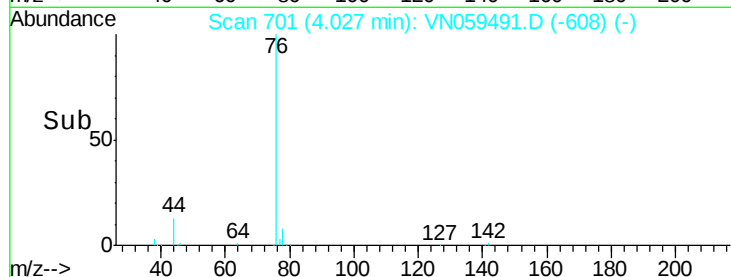
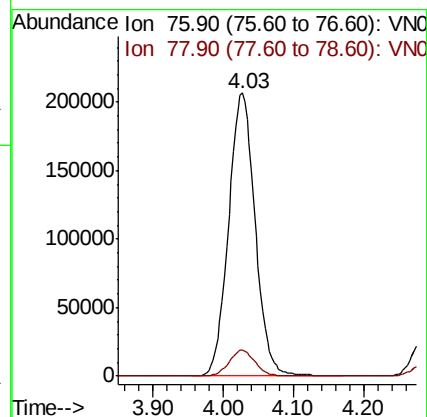
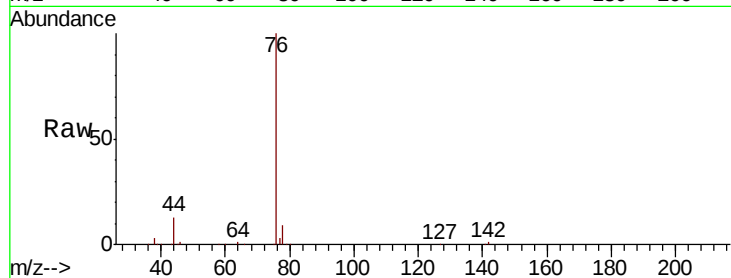
78 9.2 7.0 10.6

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#18

Methyl Acetate

Concen: 40.840 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059491.D

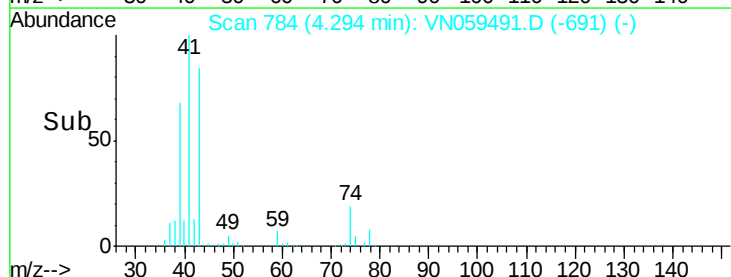
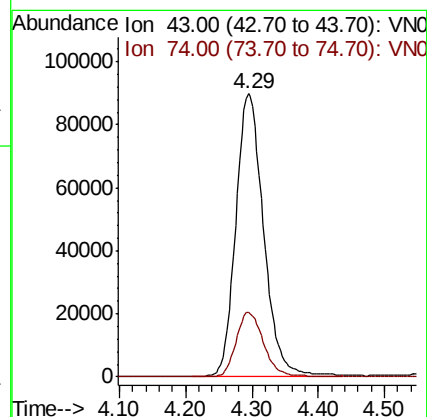
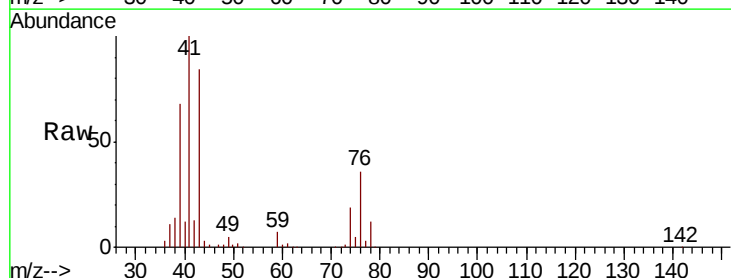
Acq: 5 Dec 2019 11:20

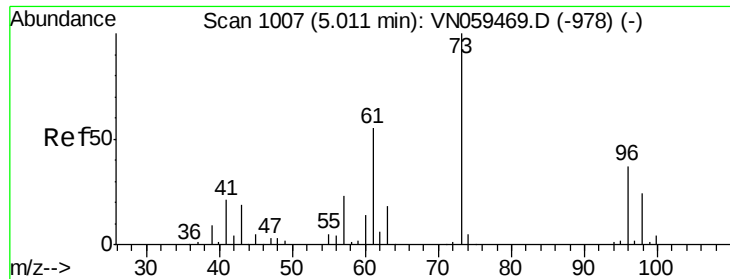
Tgt Ion: 43 Resp: 260404

Ion Ratio Lower Upper

43 100

74 22.7 18.3 27.5





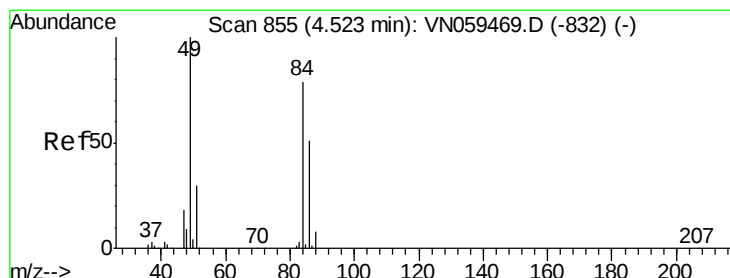
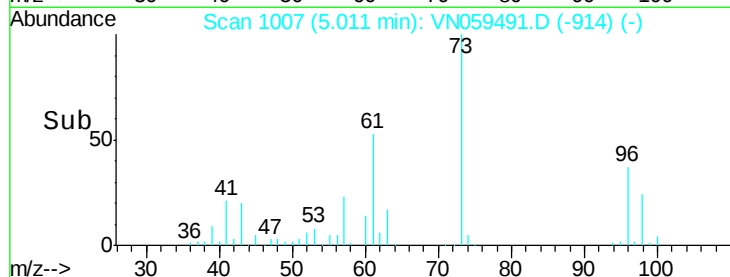
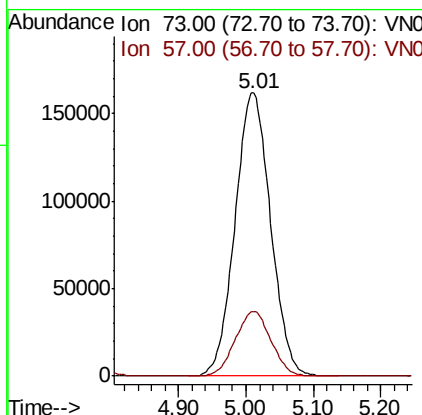
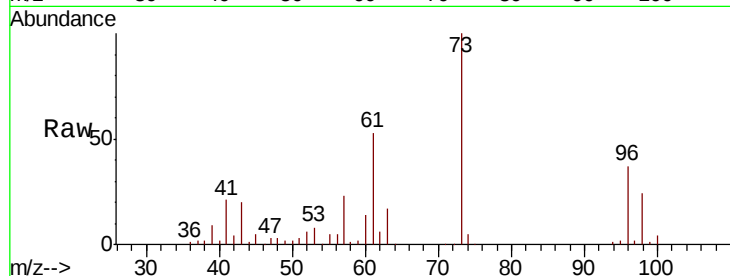
#19
Methvl tert-butvl Ether
Concen: 44.079 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 594113
Ion Ratio Lower Upper
73 100
57 22.9 18.0 27.0

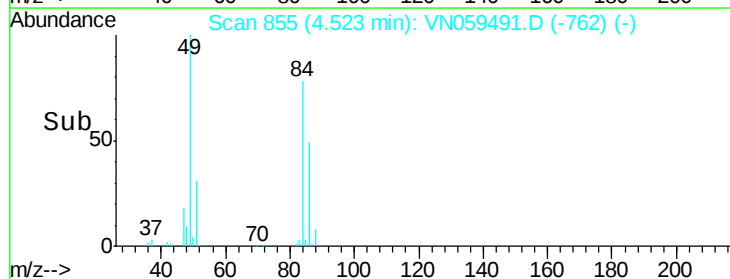
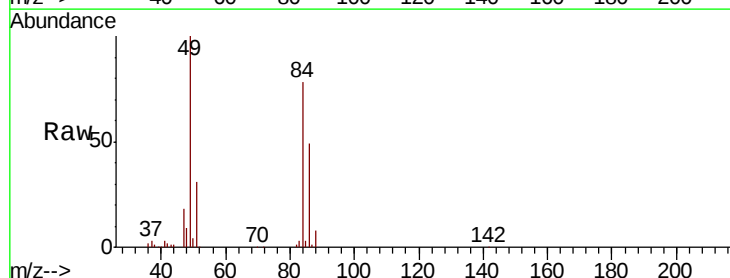
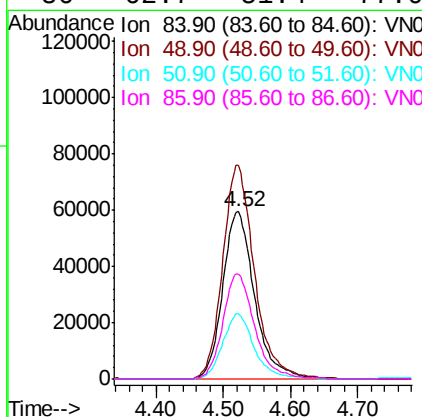
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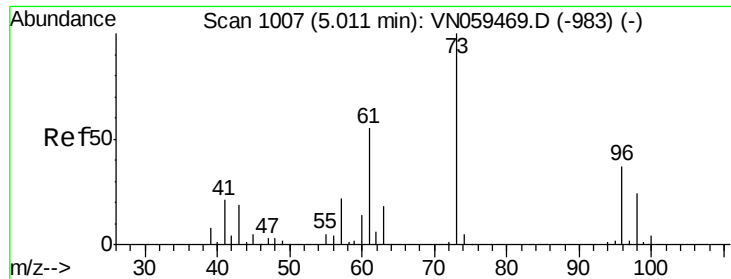
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#20
Methylene Chloride
Concen: 43.839 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion: 84 Resp: 196238
Ion Ratio Lower Upper
84 100
49 127.7 101.1 151.7
51 39.0 30.7 46.1
86 62.7 51.4 77.0





#21

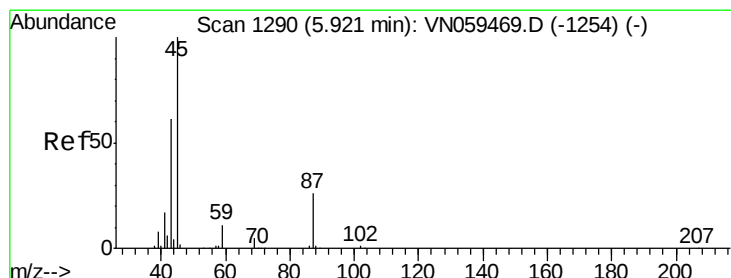
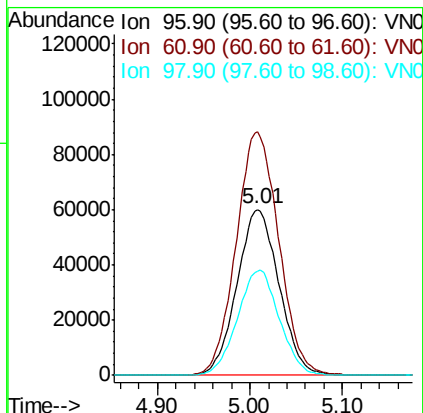
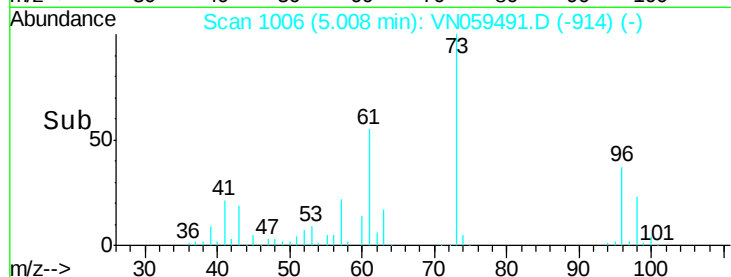
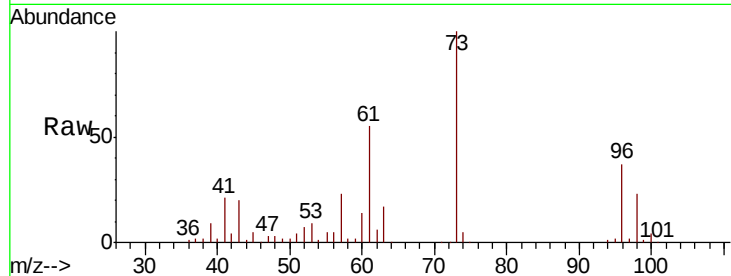
trans-1,2-Dichloroethene
Concen: 42.842 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.7	118.9	178.3
98	63.1	51.6	77.4

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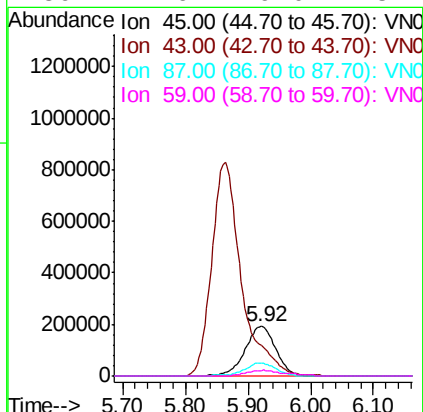
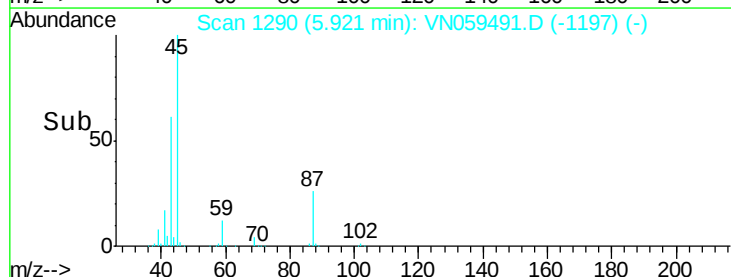
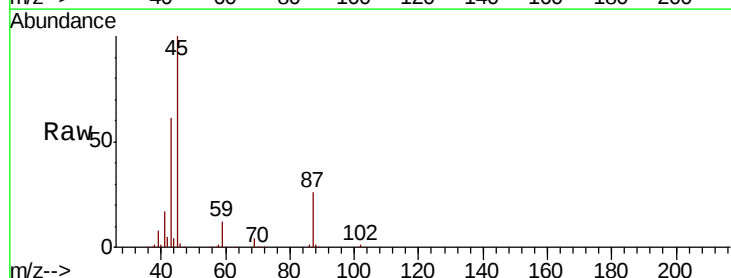
apatel
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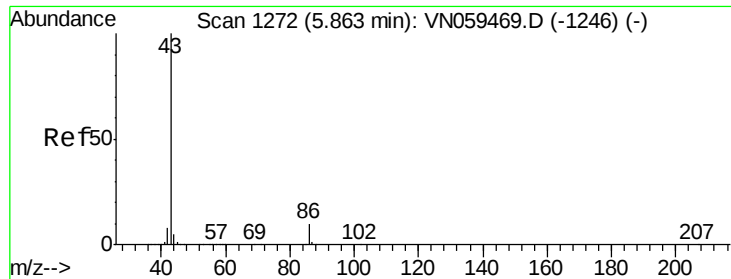


#22

Diisopropyl ether
Concen: 45.192 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.6	49.1	73.7
87	26.3	21.6	32.4
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 235.544 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2740119

Ion Ratio Lower Upper

43 100

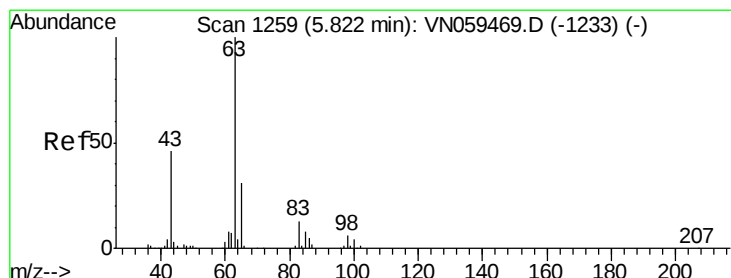
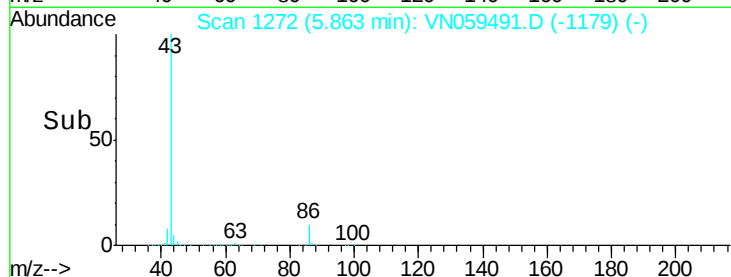
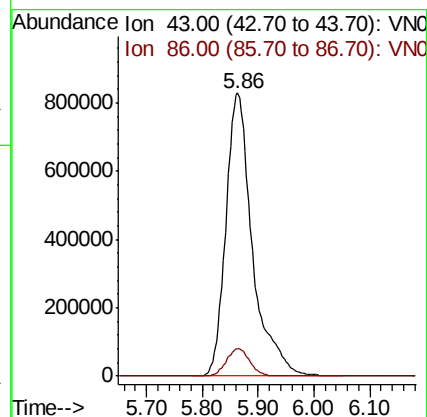
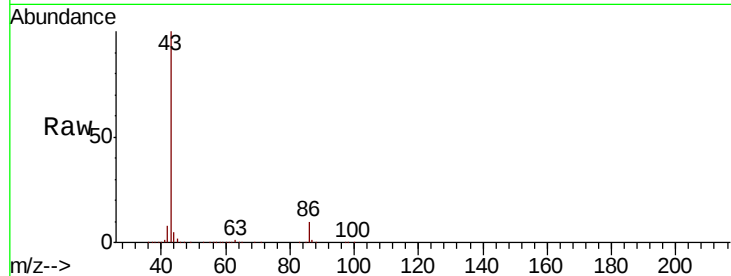
86 9.7 8.0 12.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 44.627 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

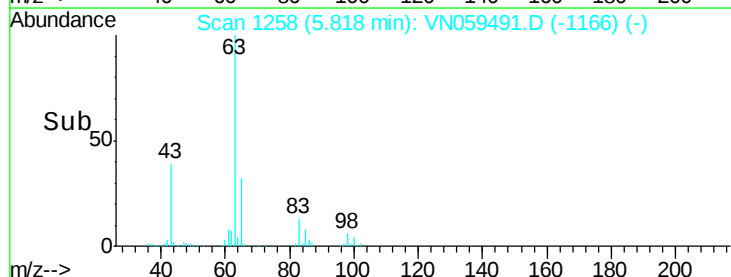
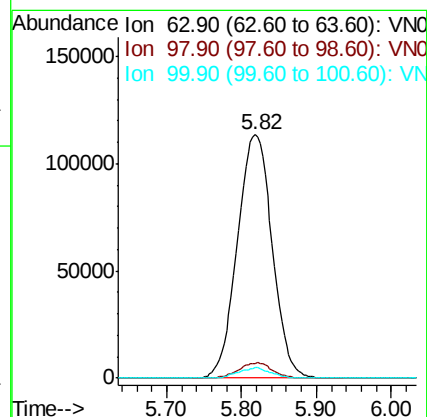
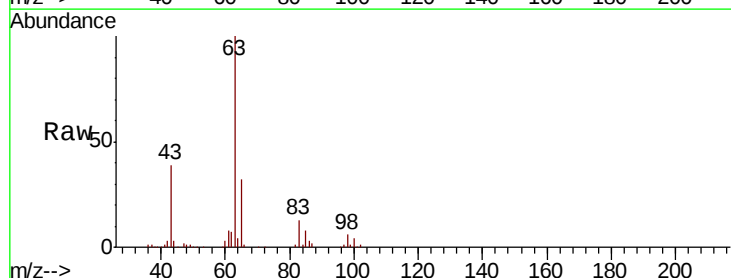
Tgt Ion: 63 Resp: 367537

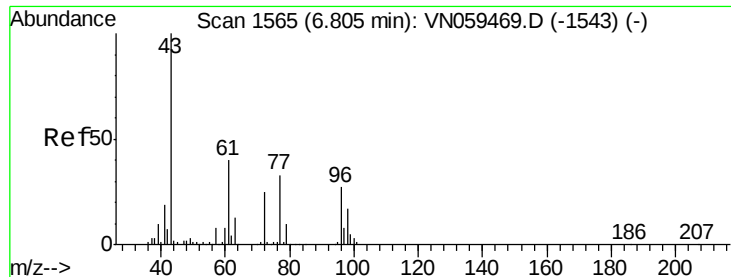
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 205.714 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 740592

Ion Ratio Lower Upper

43 100

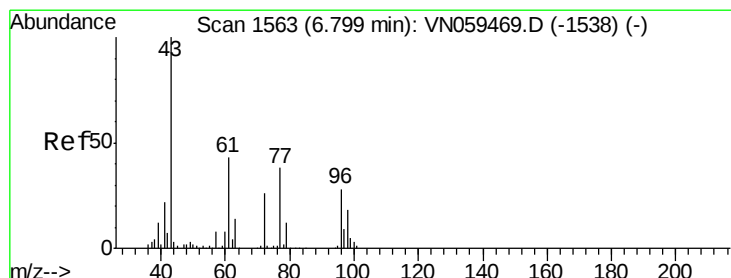
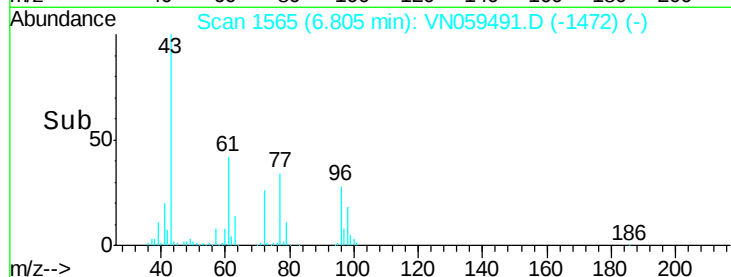
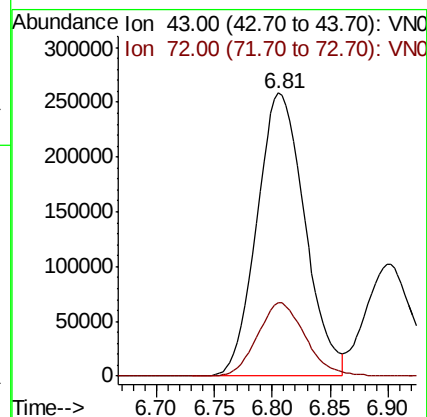
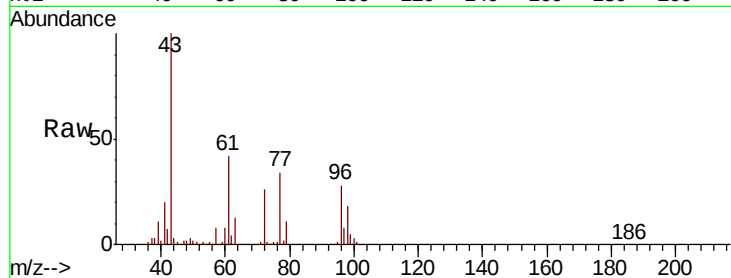
72 25.9 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.974 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059491.D

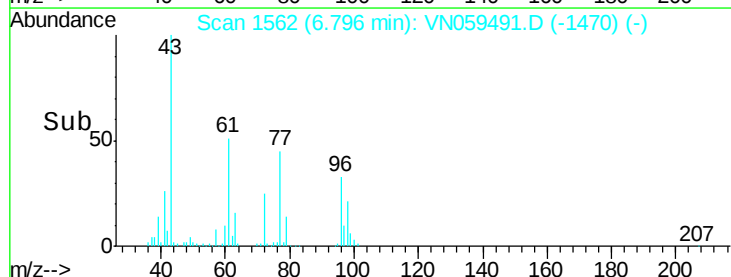
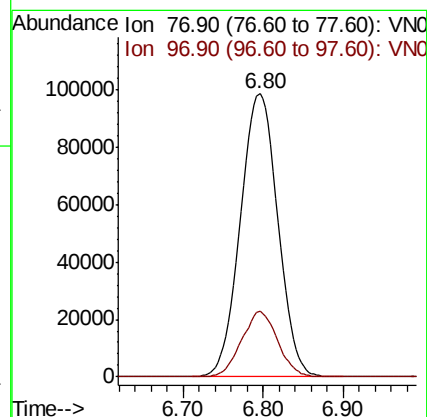
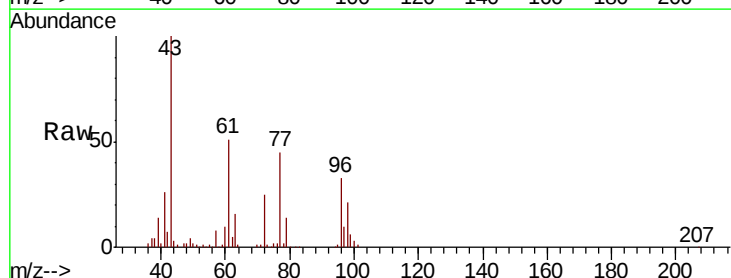
Acq: 5 Dec 2019 11:20

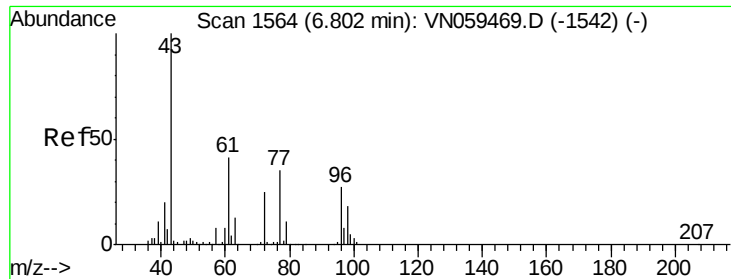
Tgt Ion: 77 Resp: 313235

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 43.304 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

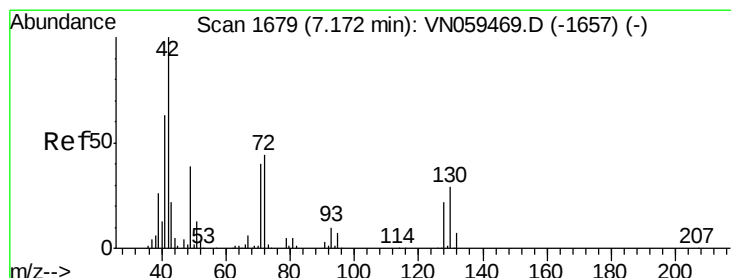
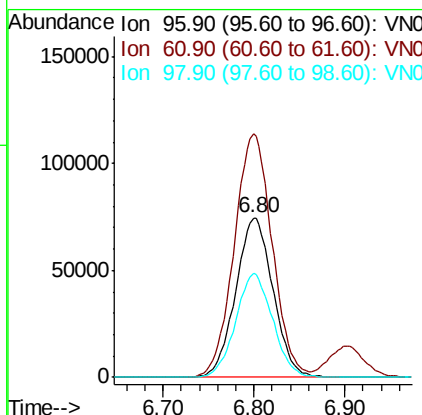
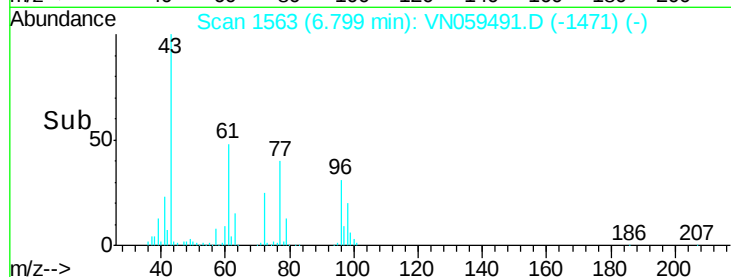
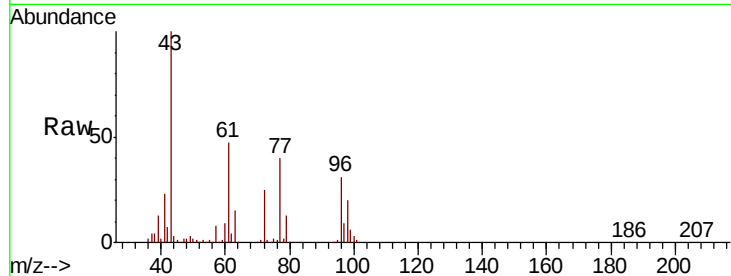
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	212813
Ion Ratio	Lower	Upper	
96	100		
61	154.9	0.0	307.4
98	64.5	0.0	129.2

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#28

Bromochloromethane

Concen: 53.615 ug/l

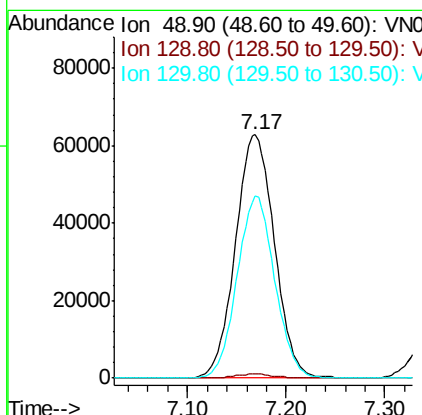
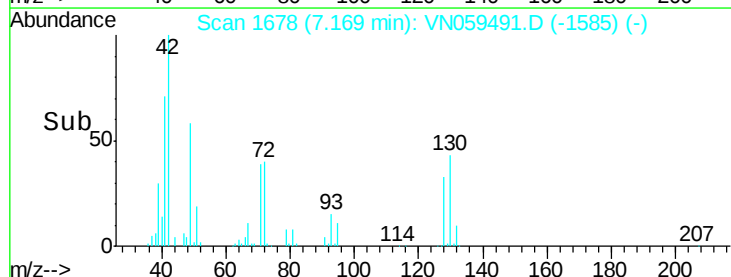
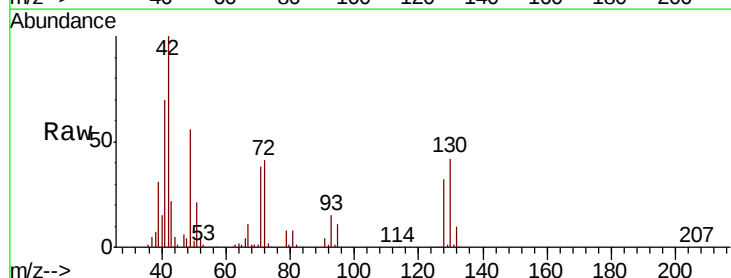
RT: 7.17 min Scan# 1678

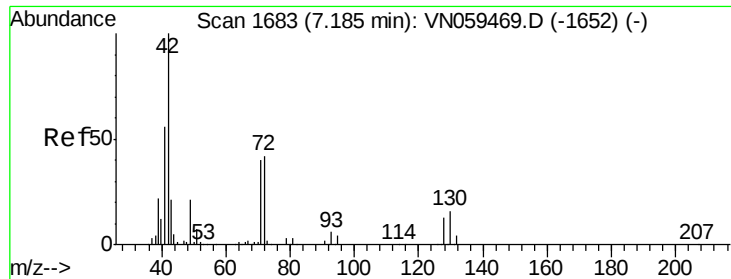
Delta R.T. -0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Tgt Ion:	49	Resp:	172047
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.2
130	72.3	58.4	87.6





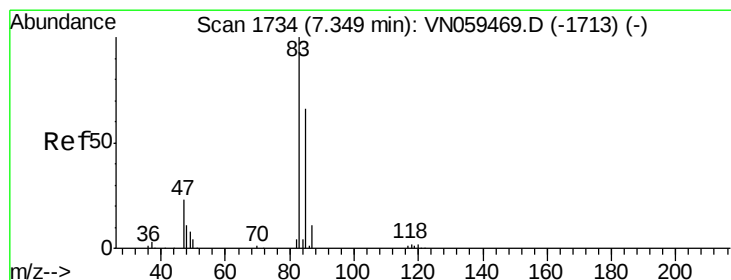
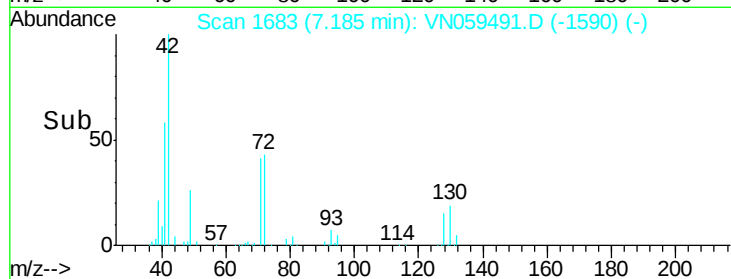
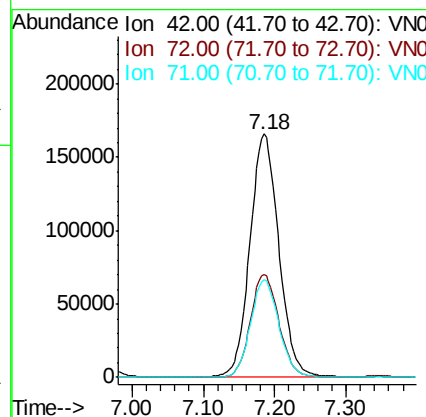
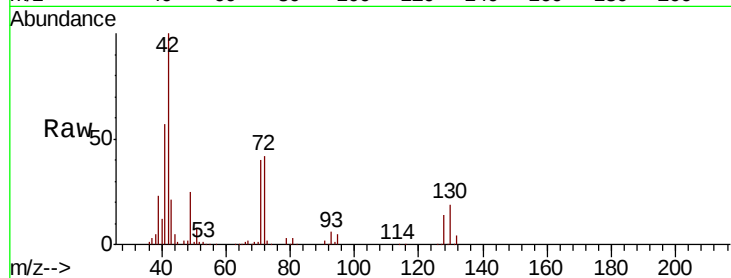
#29
Tetrahydrofuran
Concen: 205.946 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.2	51.2
71	39.6	32.0	48.0

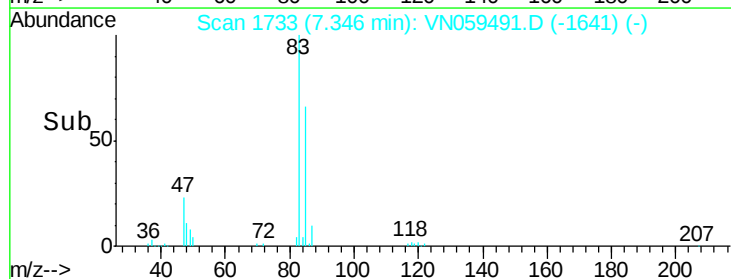
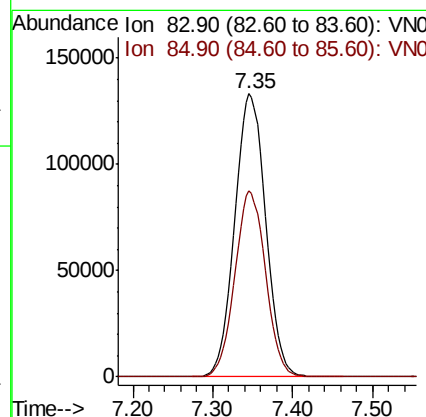
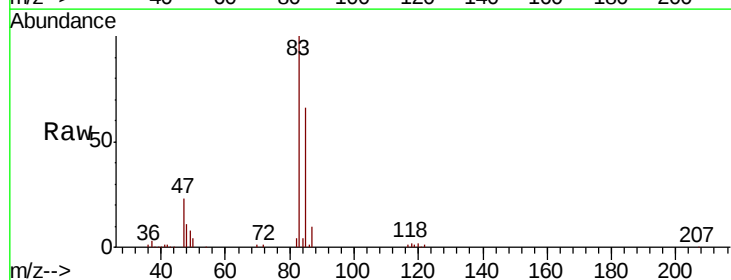
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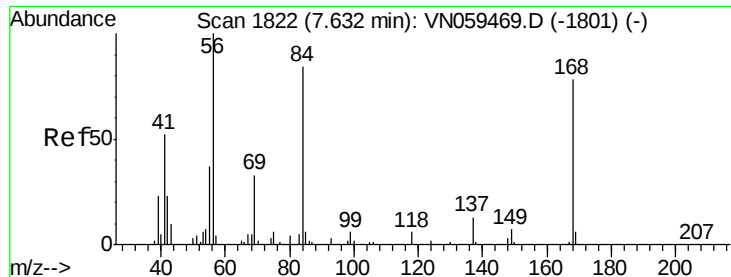
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#30
Chloroform
Concen: 43.838 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.4	78.6





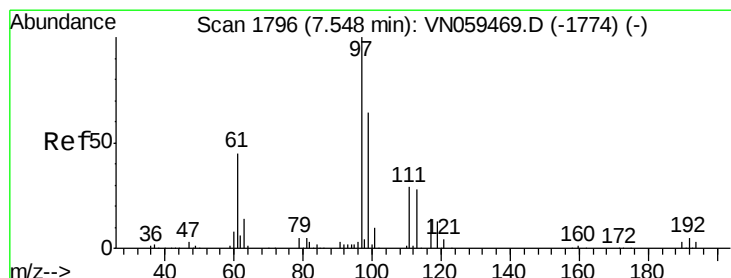
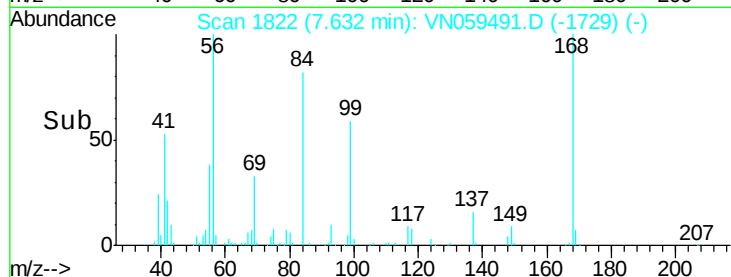
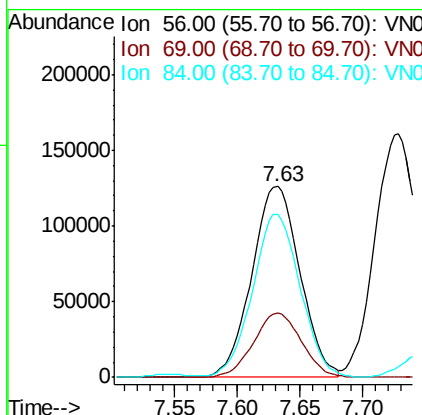
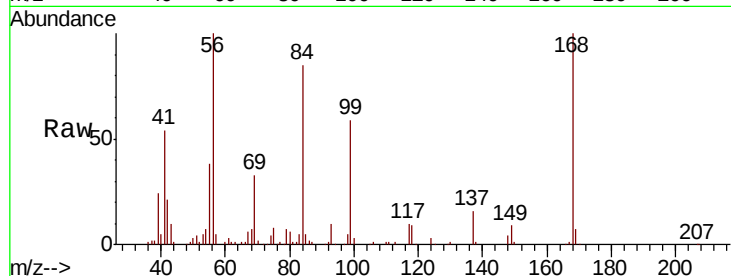
#31
Cyclohexane
Concen: 42.289 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.2	39.4
84	84.3	66.8	100.2

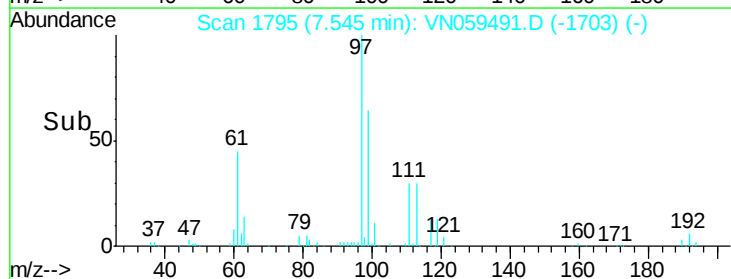
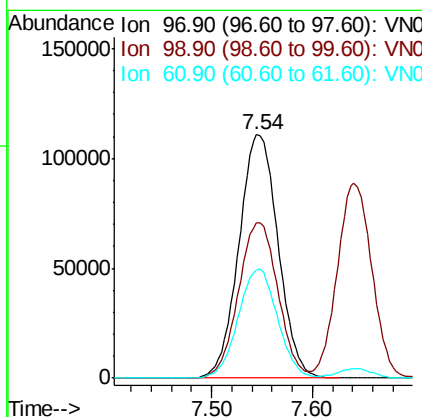
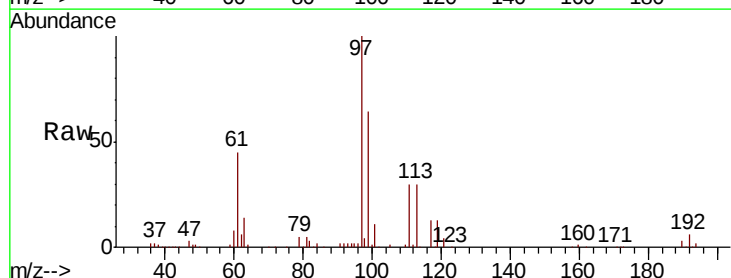
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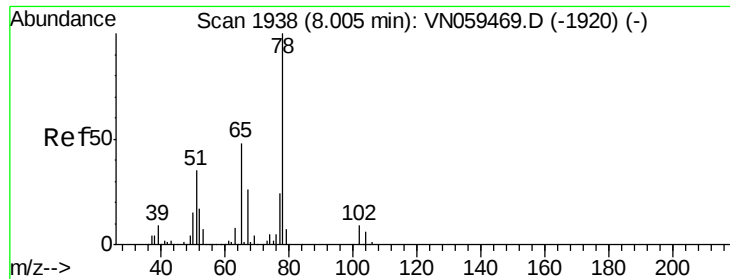
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#32
1,1,1-Trichloroethane
Concen: 43.197 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.7	77.5
61	44.9	35.4	53.0





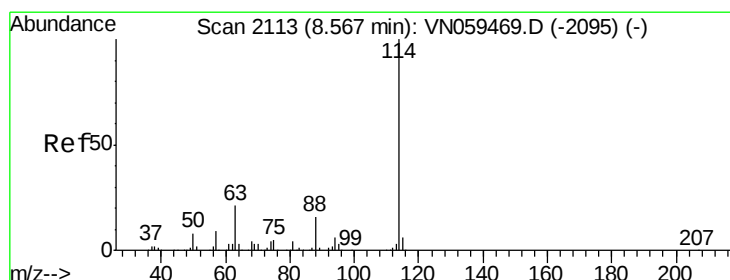
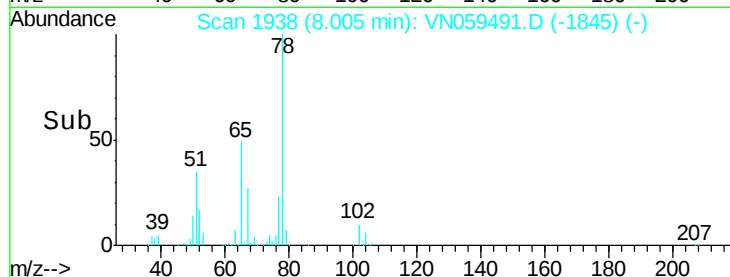
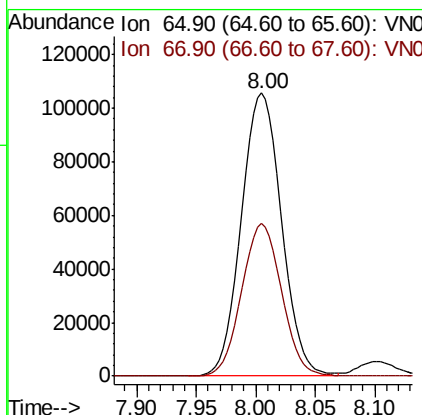
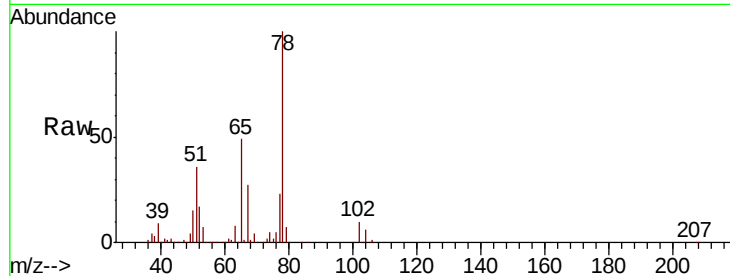
#33
 1,2-Dichloroethane-d4
 Concen: 52.329 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059491.D
 Acq: 5 Dec 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	247858		
67	53.4	0.0	107.4	

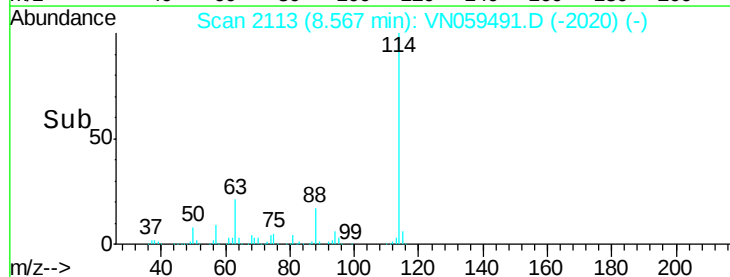
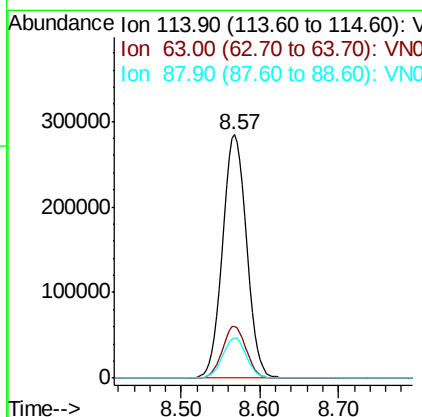
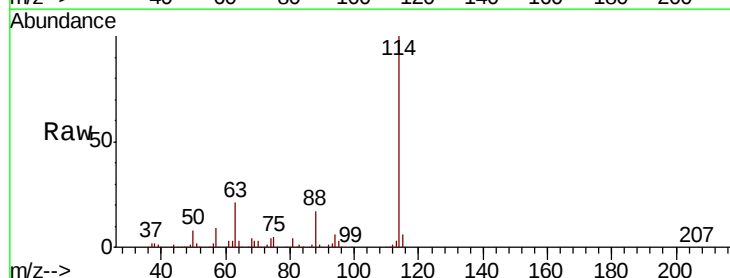
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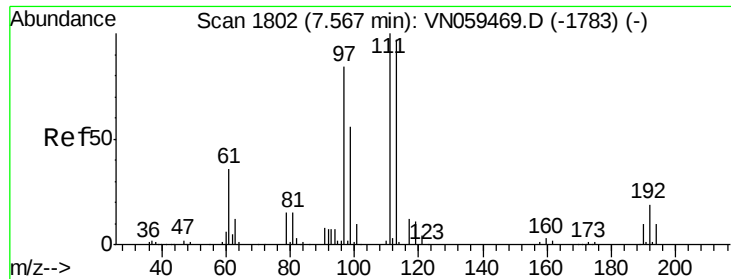
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059491.D
 Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	598055		
63	21.4	0.0	42.4	
88	16.7	0.0	32.8	





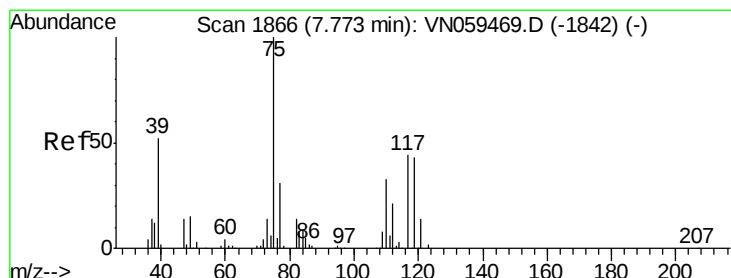
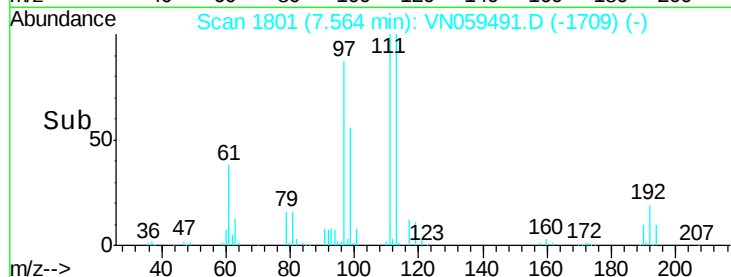
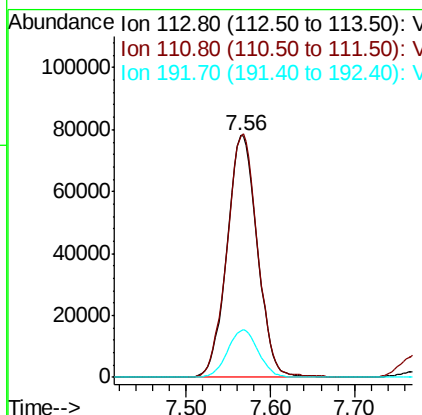
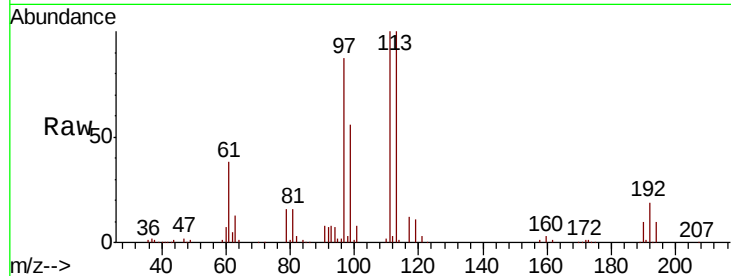
#35
 Dibromofluoromethane
 Concen: 52.459 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059491.D
 Acq: 5 Dec 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	195403		
111	101.1	82.5	123.7	
192	19.8	16.1	24.1	

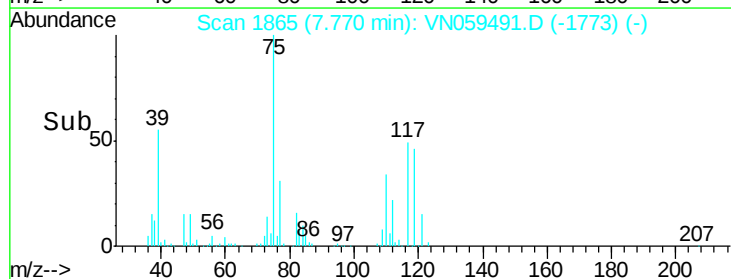
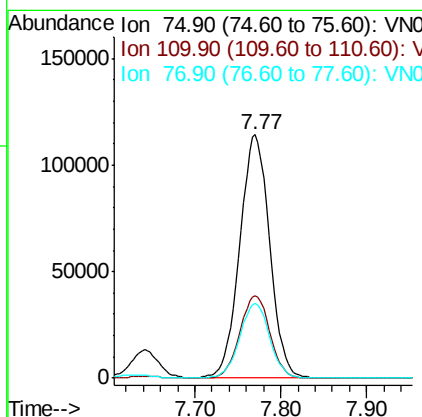
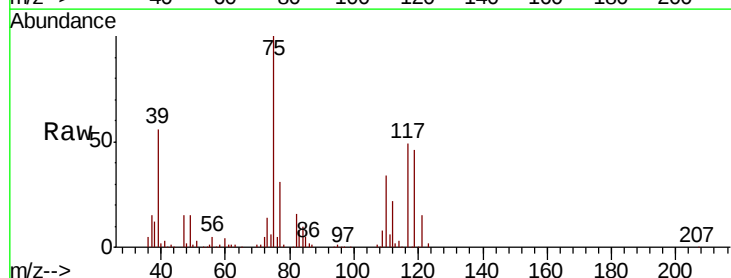
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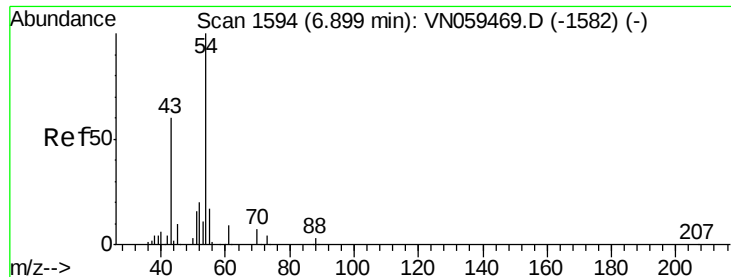
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#36
 1,1-Dichloropropene
 Concen: 44.304 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059491.D
 Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	275725		
110	33.9	16.9	50.7	
77	31.1	25.1	37.7	





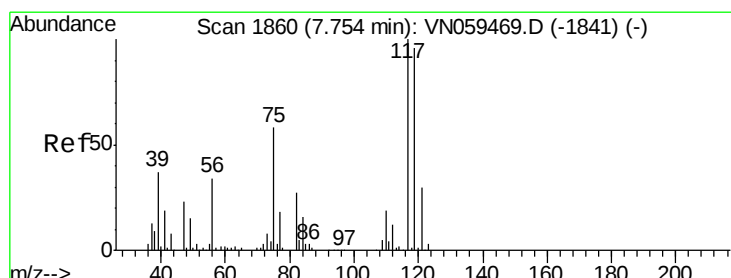
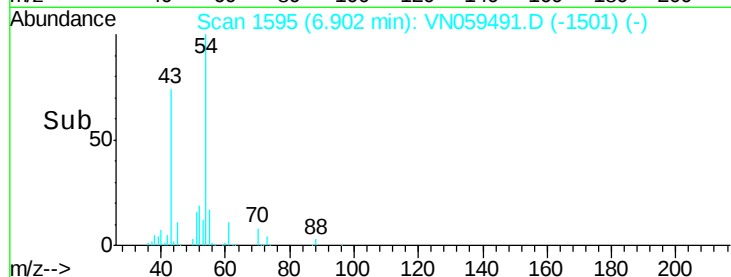
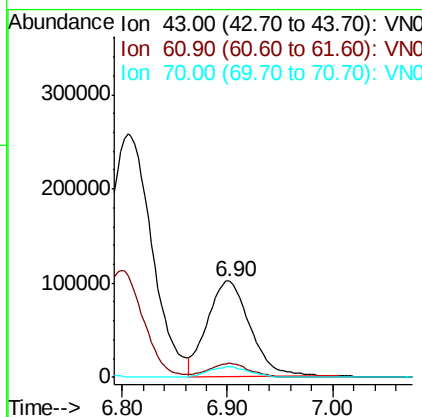
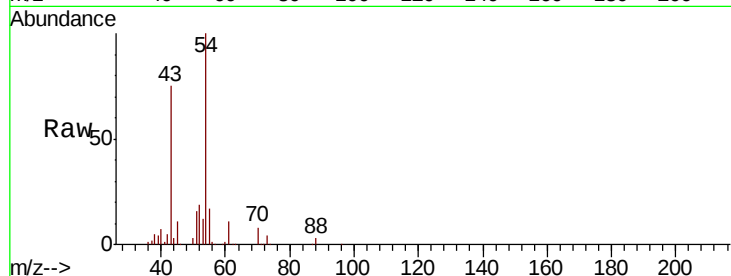
#37
Ethyl Acetate
Concen: 41.159 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.8	11.3	16.9	
70	10.7	8.3	12.5	

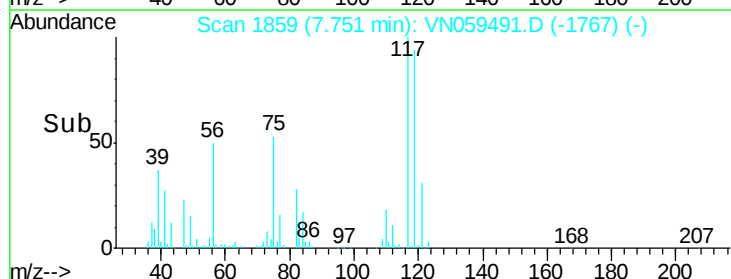
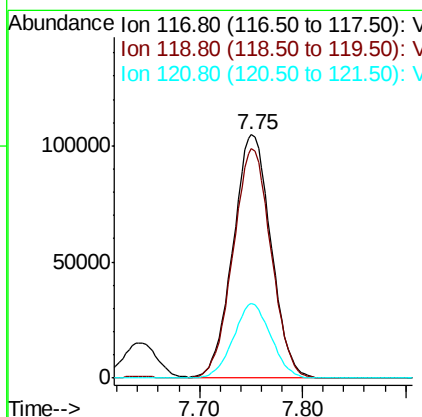
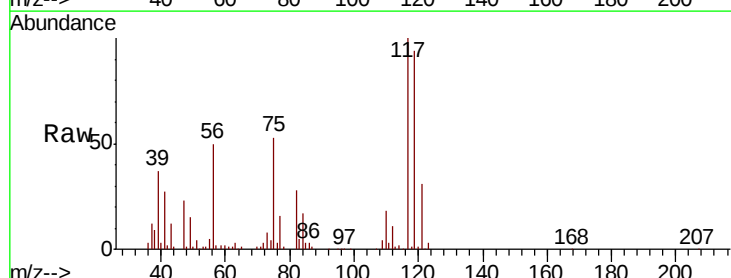
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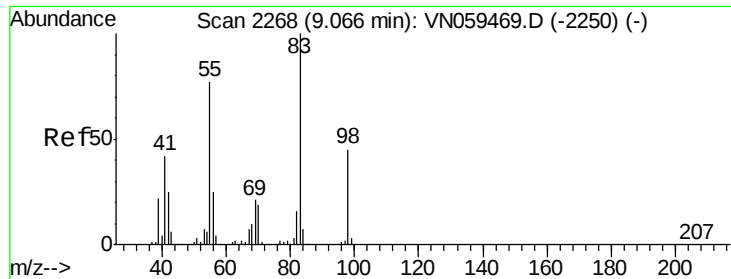
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#38
Carbon Tetrachloride
Concen: 44.891 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.1	76.6	114.8	
121	30.7	24.0	36.0	





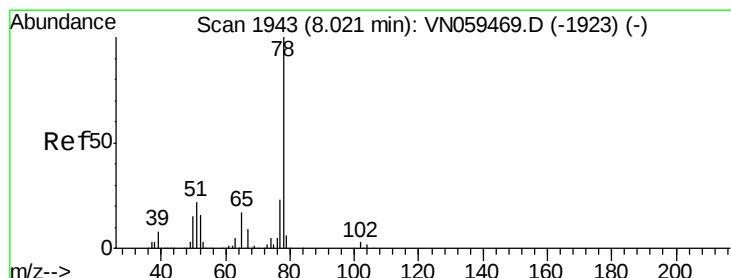
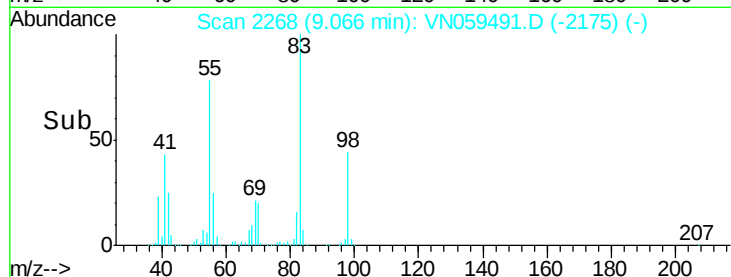
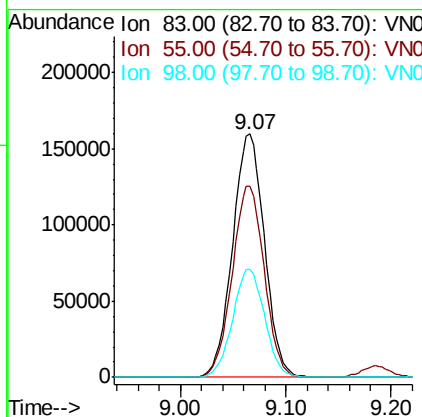
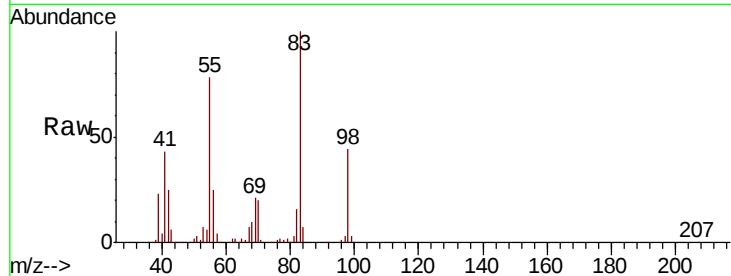
#39
Methvlcvclohexane
Concen: 44.767 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.3	61.8	92.6	
98	44.5	36.2	54.2	

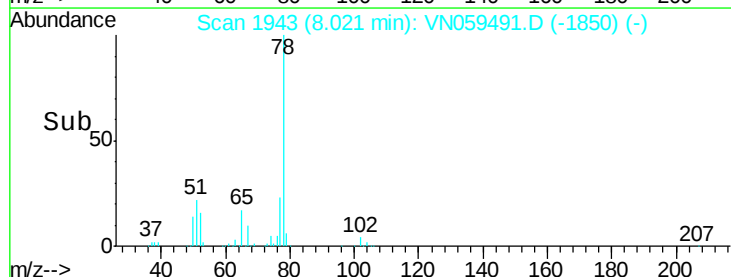
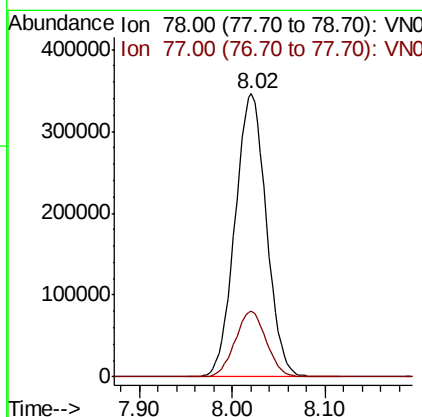
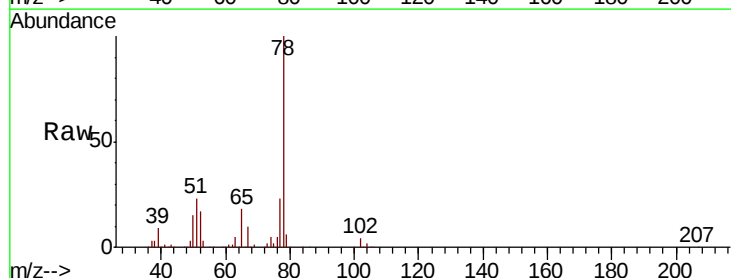
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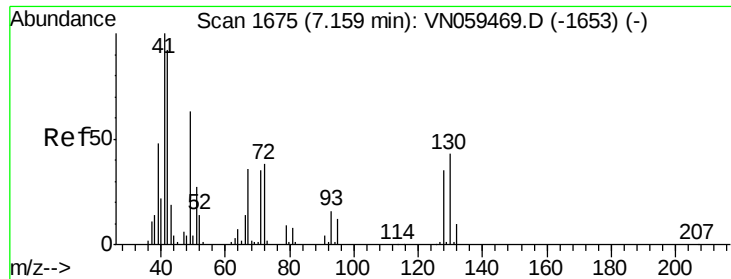
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#40
Benzene
Concen: 44.425 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.2	27.2	





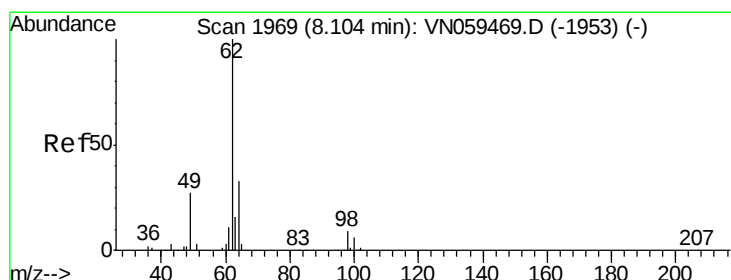
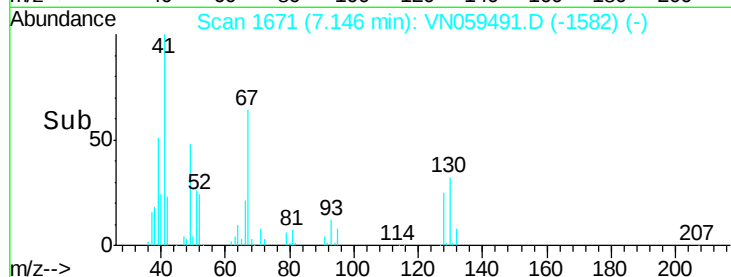
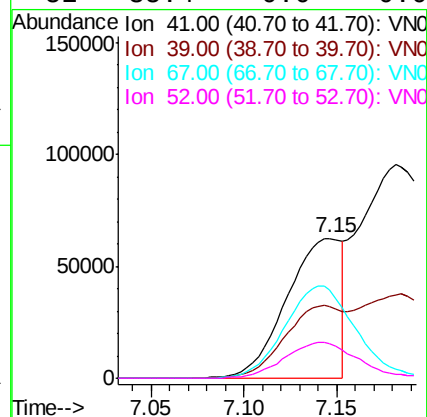
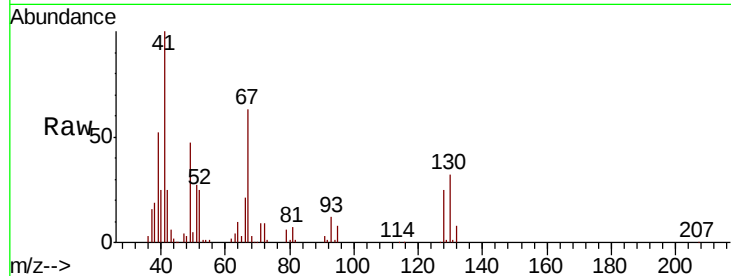
#41
Methacrylonitrile
Concen: 45.785 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.4	0.0	0.0#
67	86.0	0.0	0.0#
52	35.4	0.0	0.0#

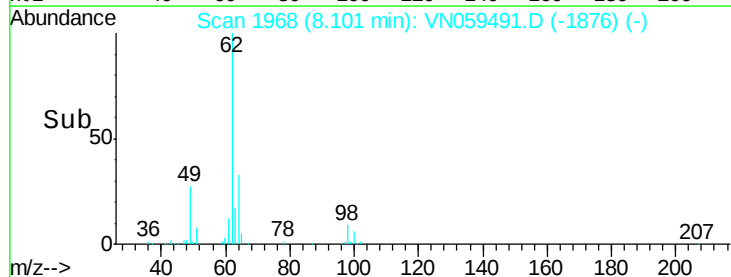
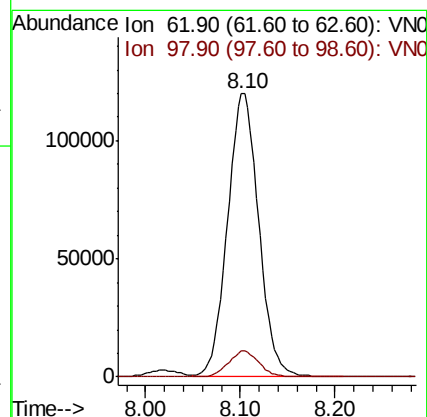
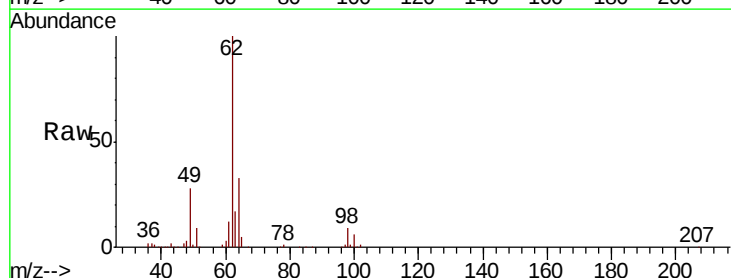
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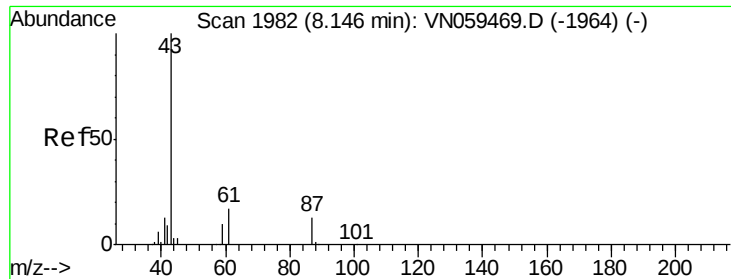
apatel
12/6/2019 2:54:40 PM



#42
1,2-Dichloroethane
Concen: 44.339 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.8





#43

Isopropyl Acetate

Concen: 44.363 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

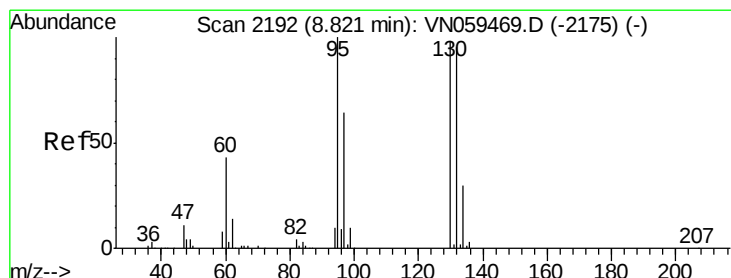
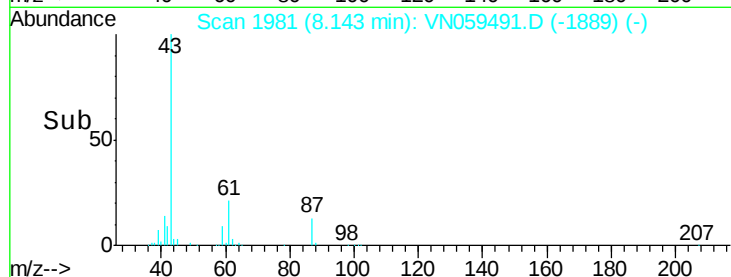
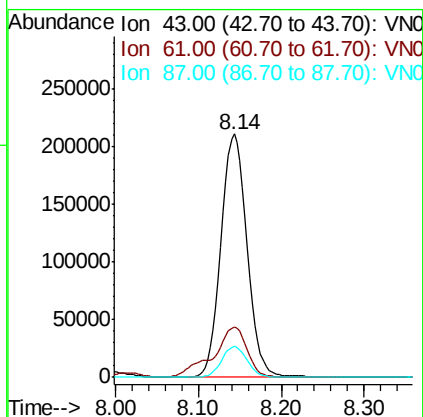
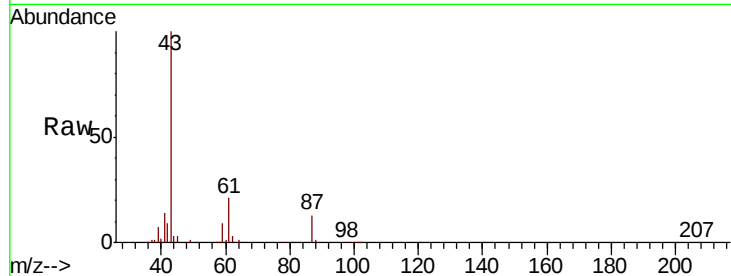
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	458691
Ion Ratio	Lower	Upper	
43	100		
61	26.8	21.0	31.6
87	12.5	10.4	15.6

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#44

Trichloroethene

Concen: 43.037 ug/l

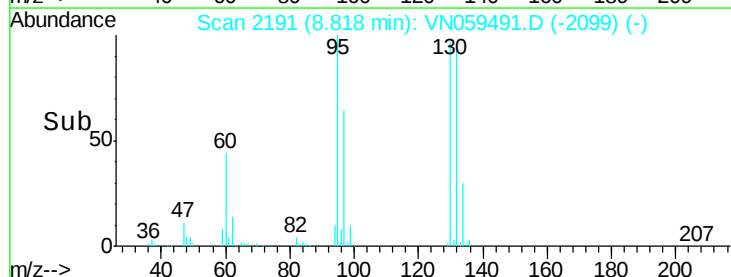
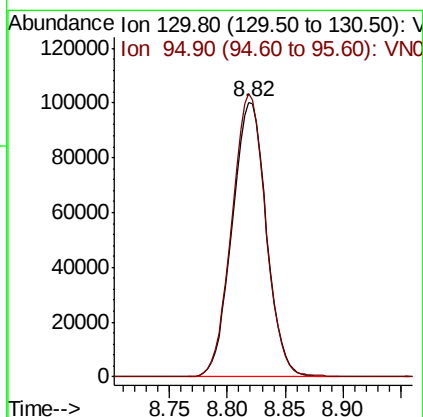
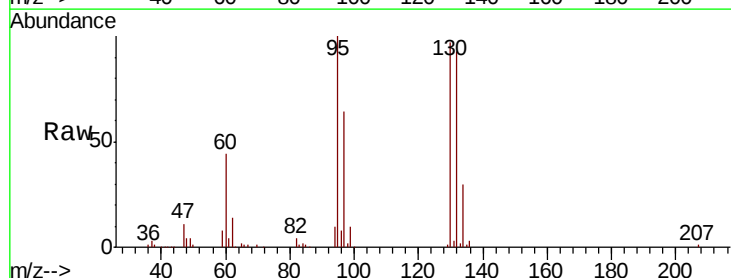
RT: 8.82 min Scan# 2191

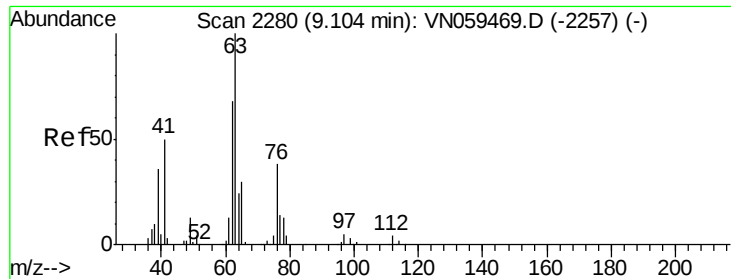
Delta R.T. -0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Tgt Ion:	130	Resp:	204968
Ion Ratio	Lower	Upper	
130	100		
95	103.0	0.0	203.6





#45

1,2-Dichloropropane

Concen: 44.806 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 218159

Ion Ratio Lower Upper

63 100

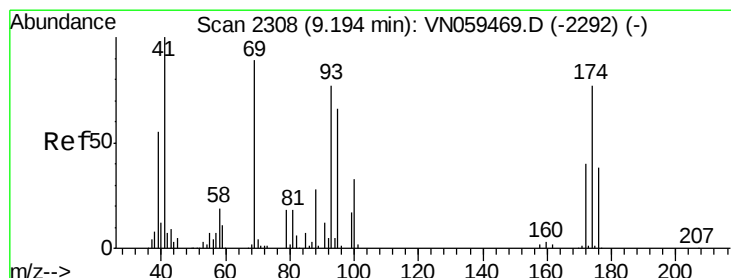
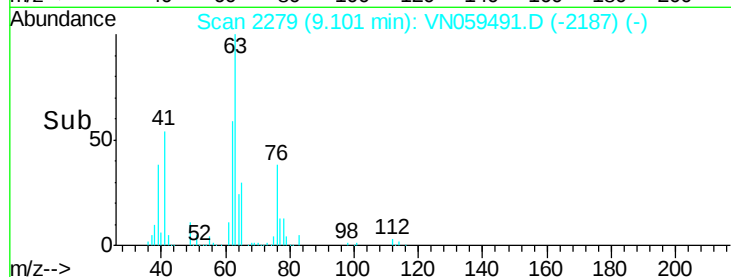
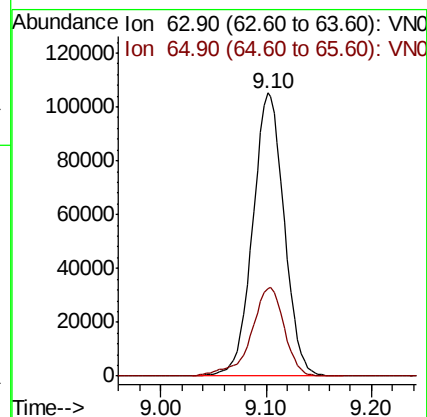
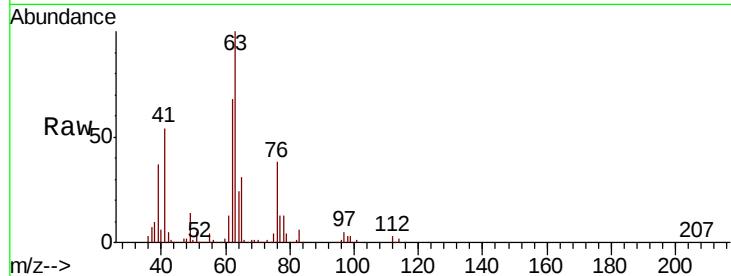
65 31.1 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 43.669 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

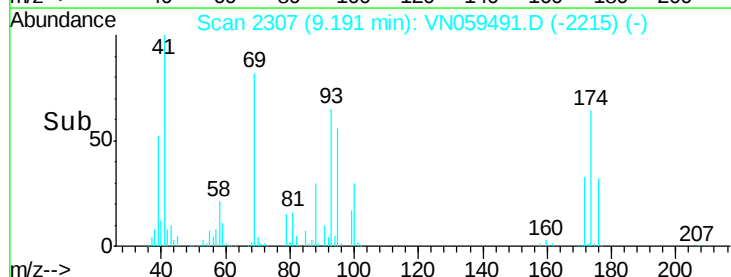
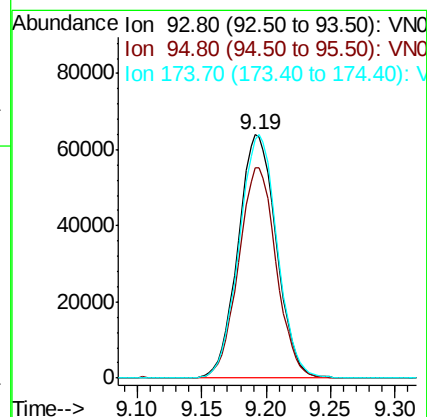
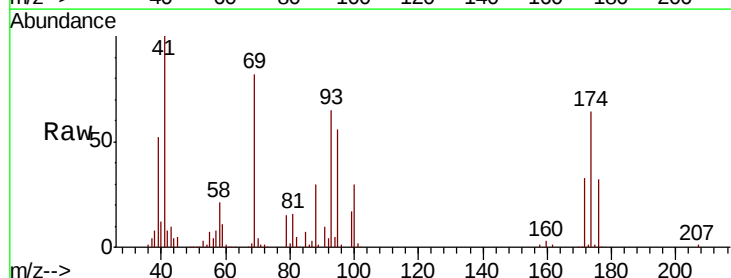
Tgt Ion: 93 Resp: 132377

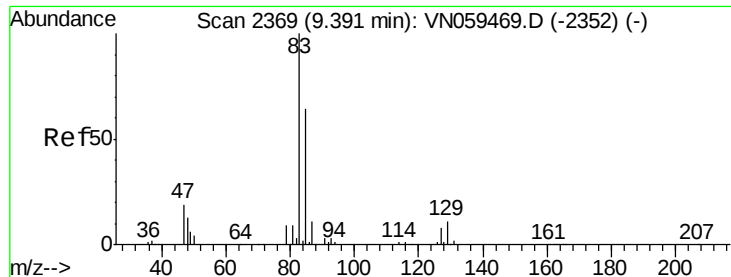
Ion Ratio Lower Upper

93 100

95 85.1 67.0 100.6

174 99.4 79.6 119.4





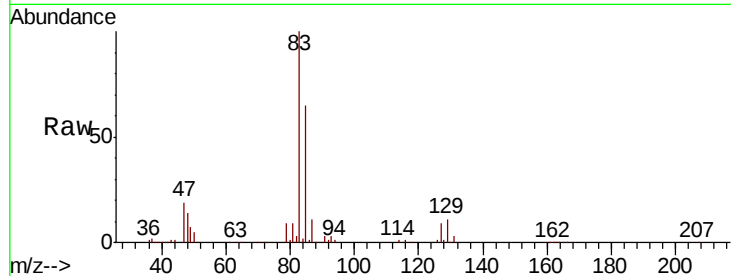
#47
Bromodichloromethane
Concen: 45.004 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.6
127	8.6	6.6	9.8

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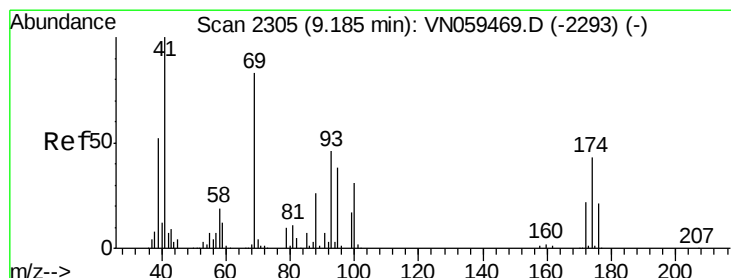
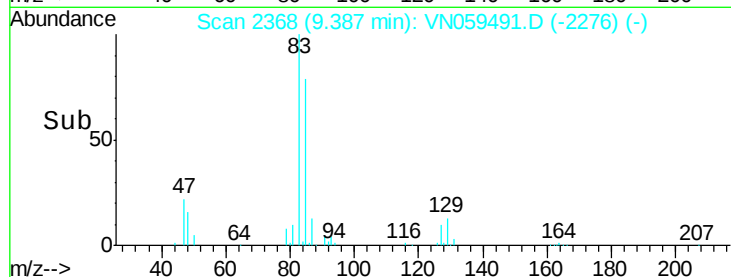
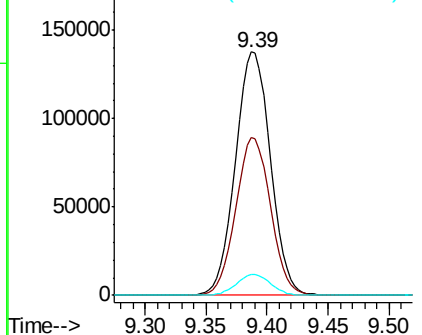
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Abundance Ion 82.90 (82.60 to 83.60): VN059491.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059491.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059491.D (-2276) (-)



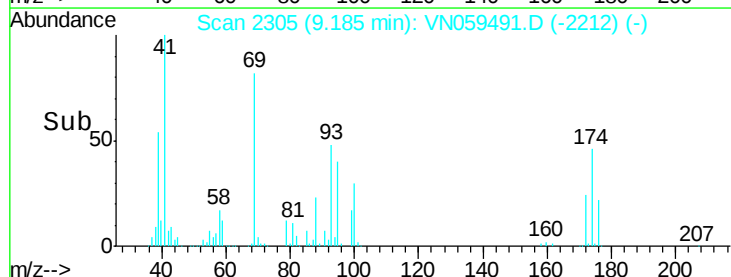
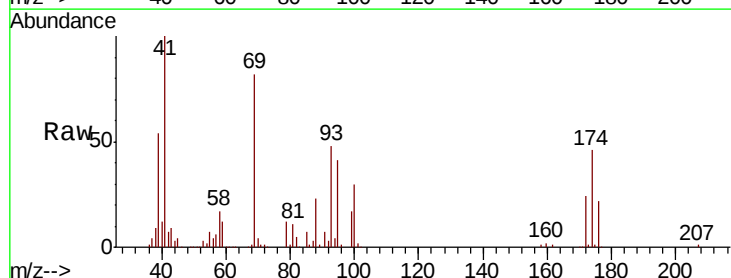
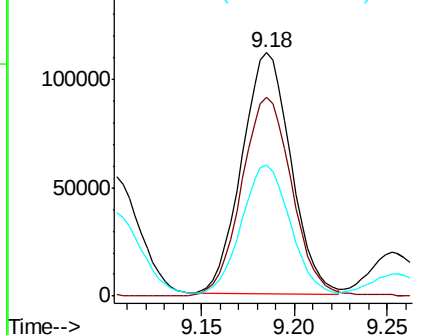
#48
Methyl methacrylate
Concen: 43.886 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

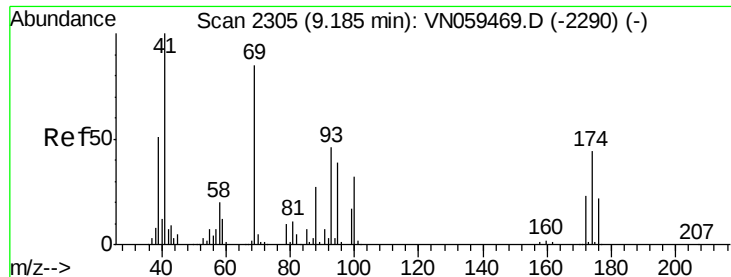
Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.4	68.6	103.0
39	54.6	43.2	64.8

Abundance Ion 41.00 (40.70 to 41.70): VN059491.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059491.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059491.D (-2212) (-)





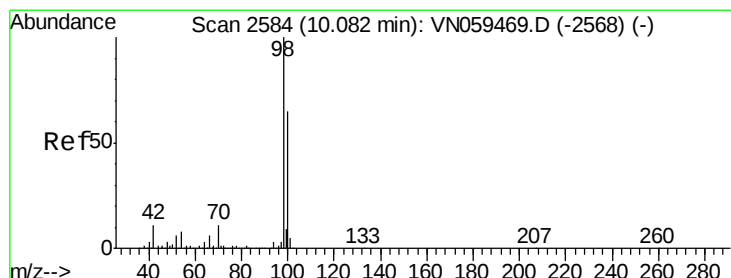
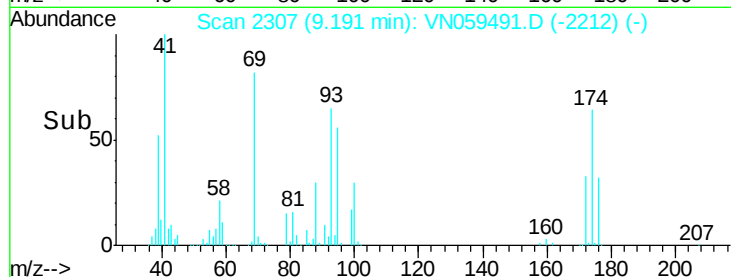
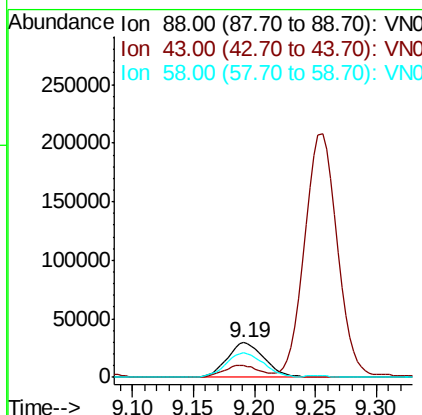
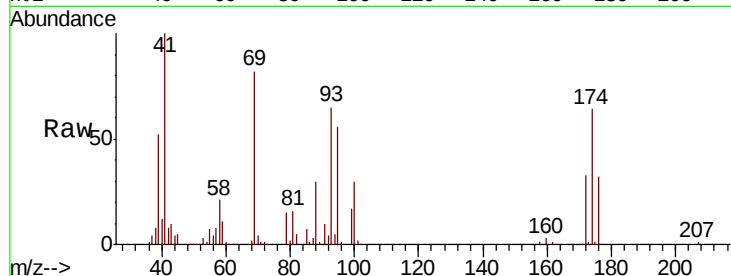
#49
1,4-Dioxane
Concen: 891.371 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.1	40.7
58	72.0	57.8	86.6

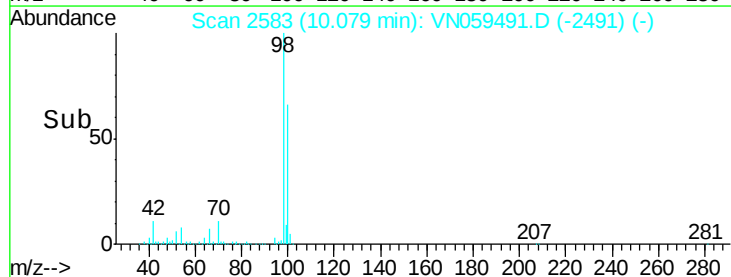
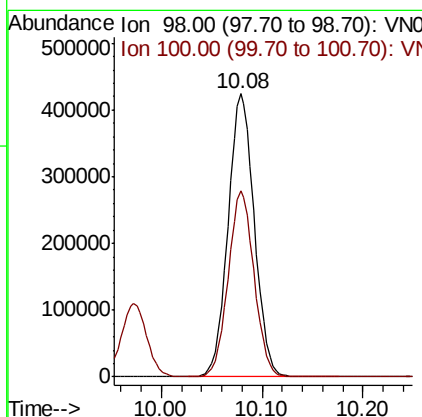
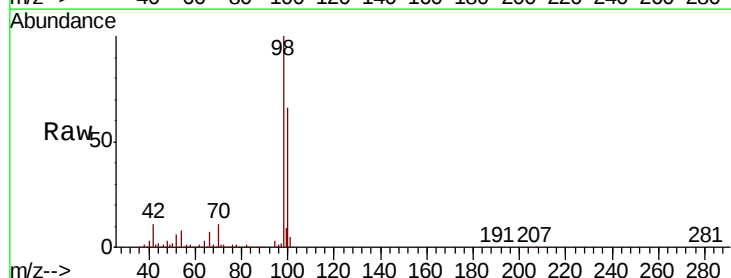
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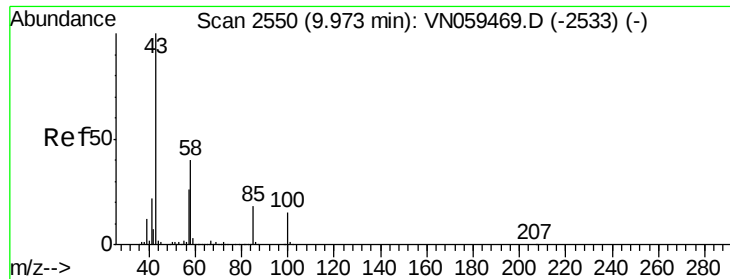
apatel
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#50
Toluene-d8
Concen: 52.220 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





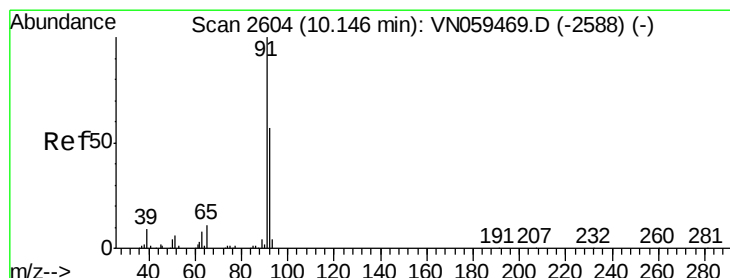
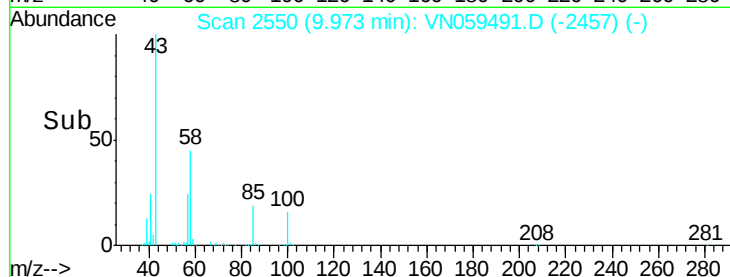
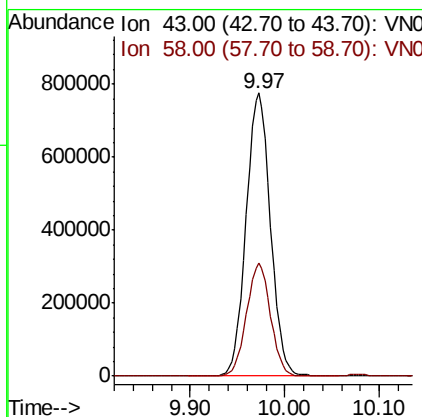
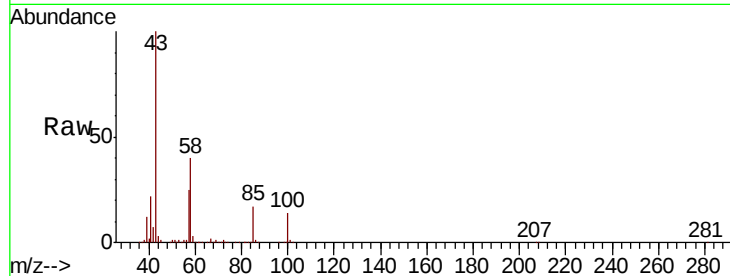
#51
4-Methyl-2-Pentanone
Concen: 225.700 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1385208
Ion Ratio Lower Upper
43 100
58 39.3 32.1 48.1

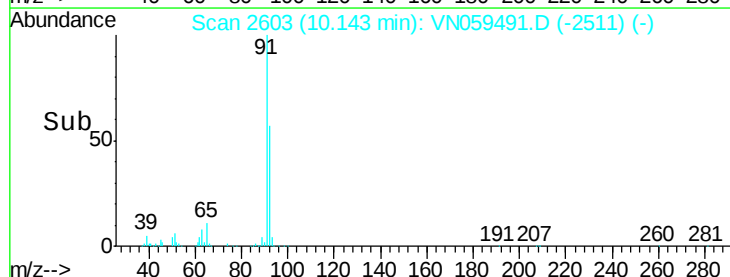
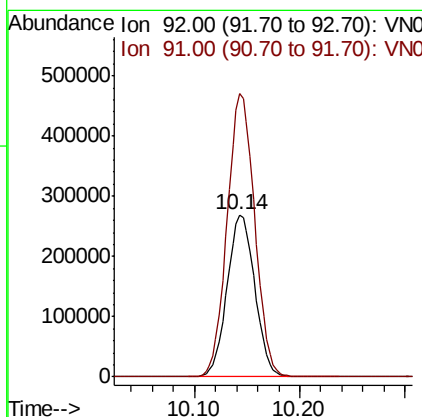
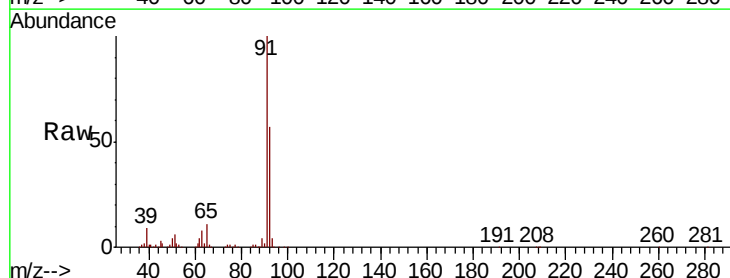
Manual Integrations
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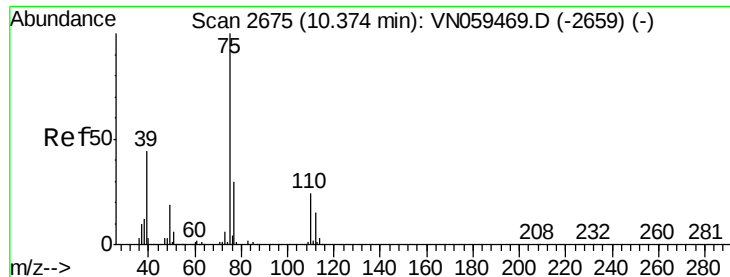
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#52
Toluene
Concen: 44.375 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion: 92 Resp: 489115
Ion Ratio Lower Upper
92 100
91 174.0 138.6 208.0





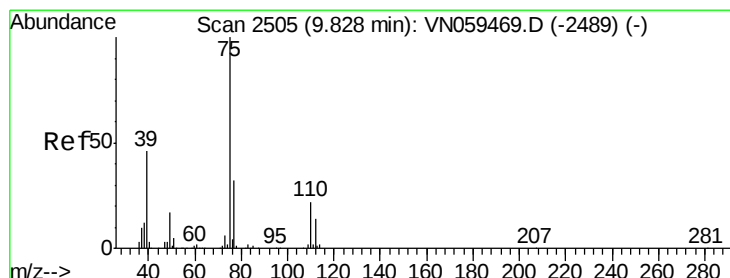
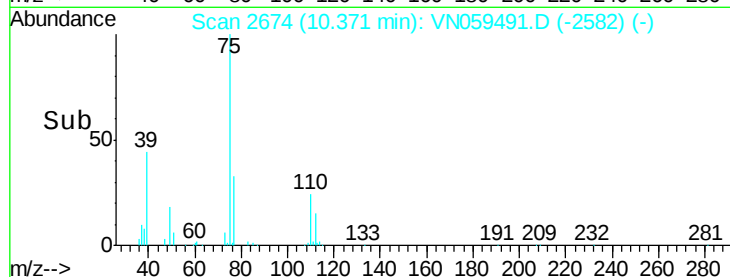
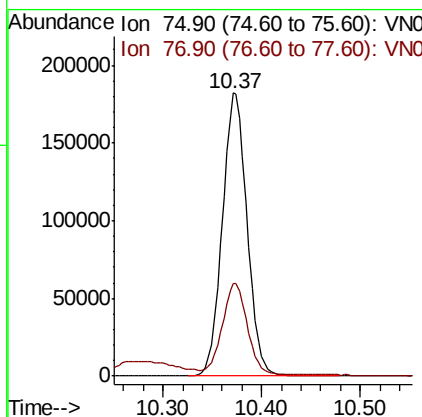
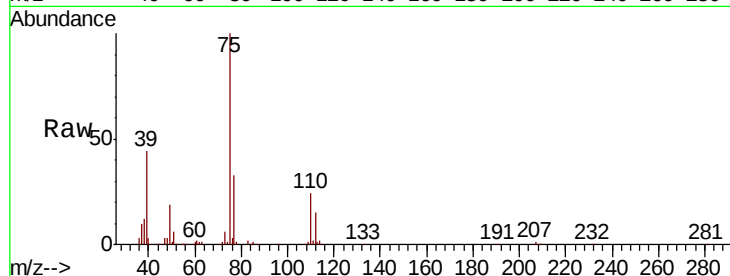
#53
t-1,3-Dichloropropene
Concen: 44.890 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.6

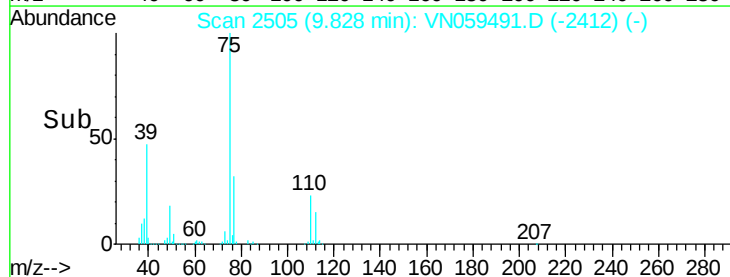
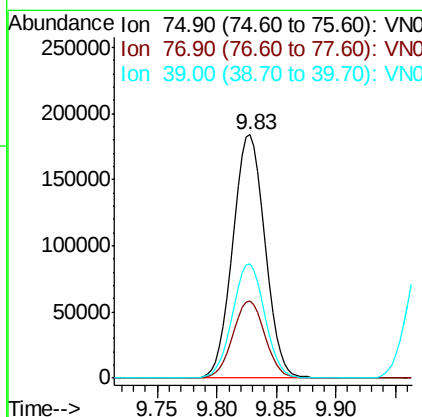
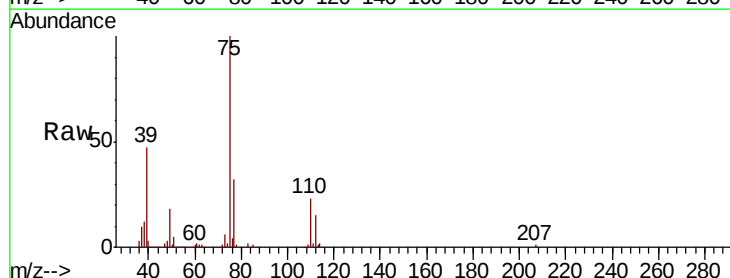
Manual Integrations
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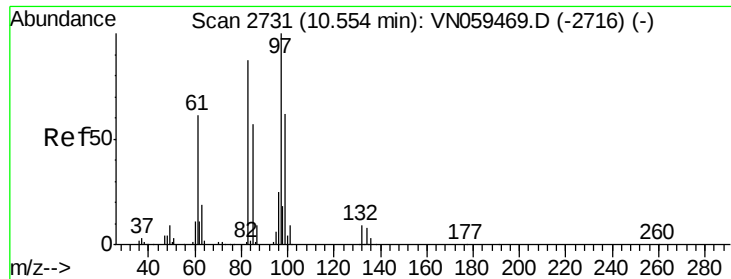
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#54
cis-1,3-Dichloropropene
Concen: 45.639 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.7	38.5
39	46.8	36.6	54.8





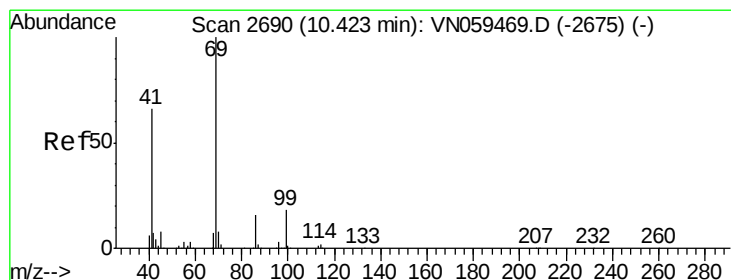
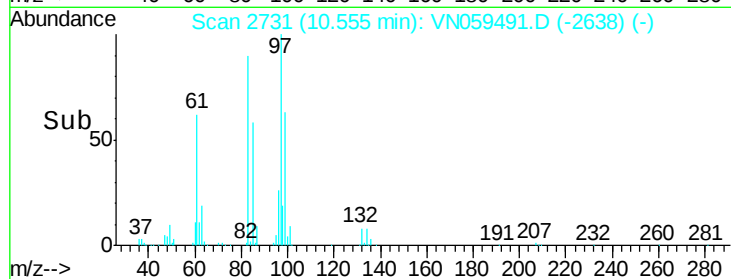
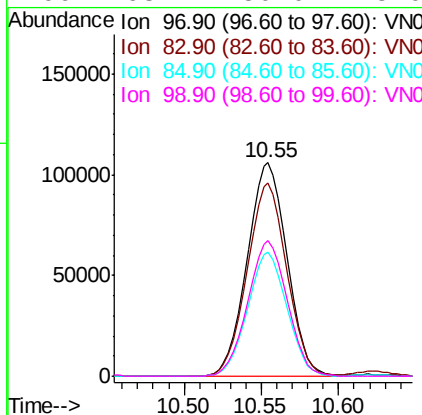
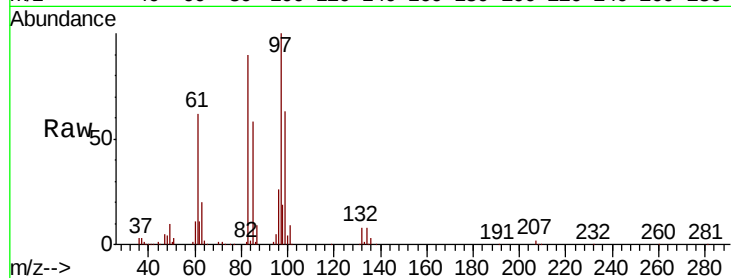
#55
 1,1,2-Trichloroethane
 Concen: 43.711 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059491.D
 Acq: 5 Dec 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	189924
Ion	Ratio	Lower	Upper
97	100		
83	90.5	69.8	104.8
85	57.9	45.5	68.3
99	63.4	50.0	75.0

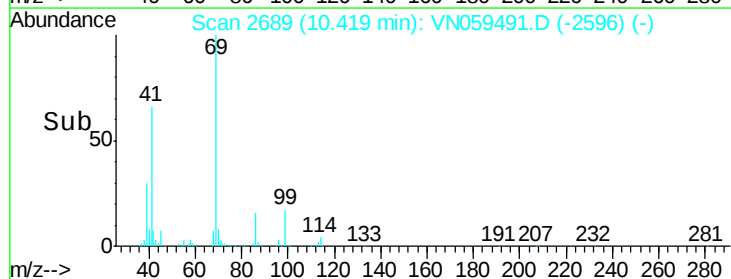
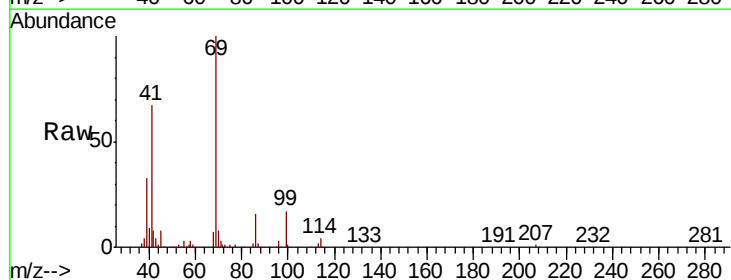
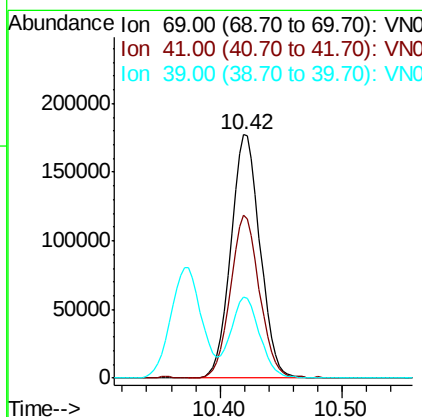
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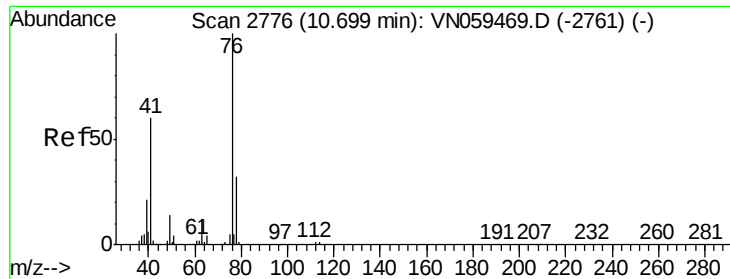
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#56
 Ethyl methacrylate
 Concen: 42.225 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059491.D
 Acq: 5 Dec 2019 11:20

Tgt Ion:	69	Resp:	295392
Ion	Ratio	Lower	Upper
69	100		
41	65.9	52.7	79.1
39	33.3	25.0	37.6





#57

1,3-Dichloropropane

Concen: 44.417 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 333745

Ion Ratio Lower Upper

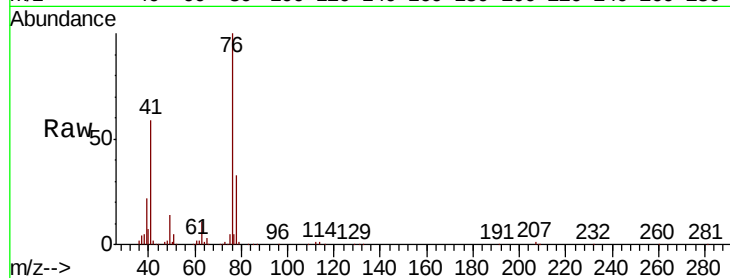
76 100

78 33.0 25.8 38.8

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

200000

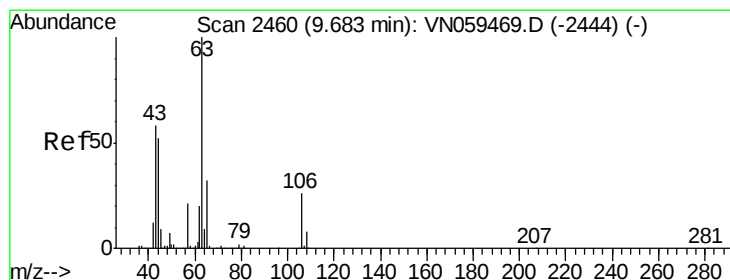
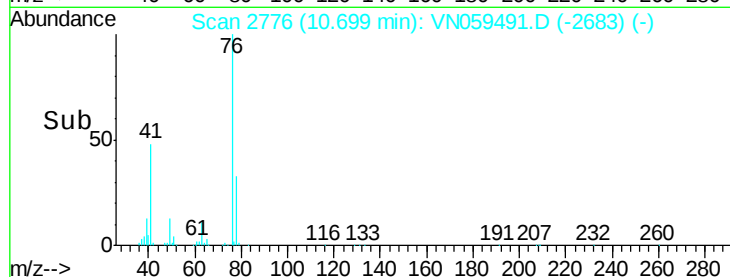
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 138.610 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059491.D

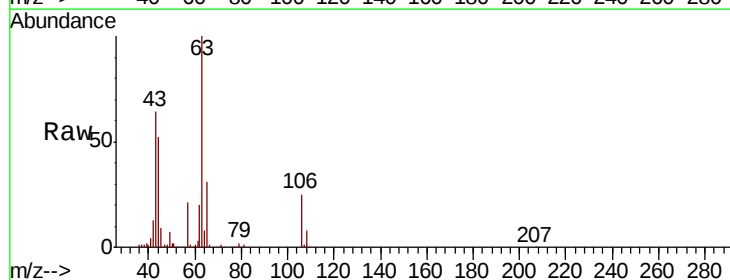
Acq: 5 Dec 2019 11:20

Tgt Ion: 63 Resp: 314503

Ion Ratio Lower Upper

63 100

106 25.5 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

200000

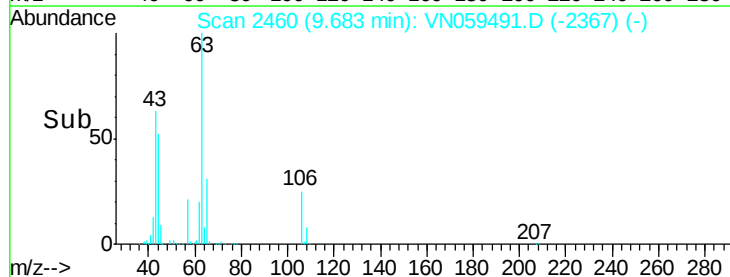
150000

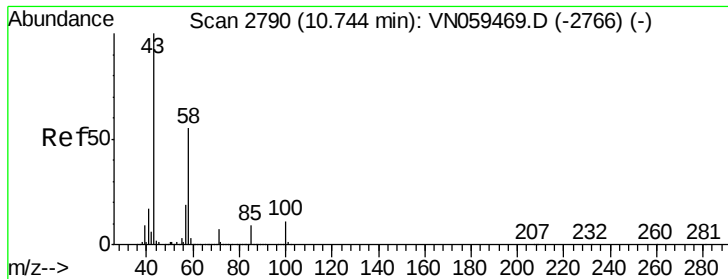
100000

50000

0

Time-->





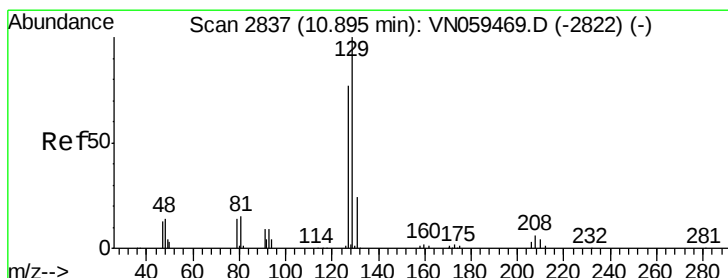
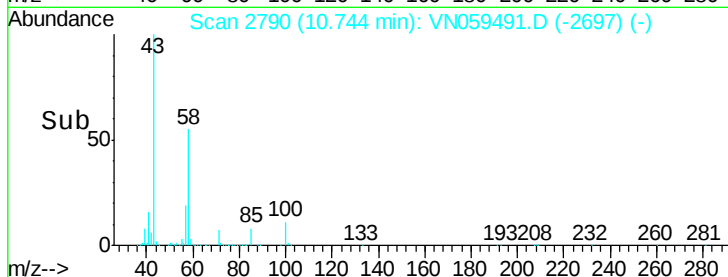
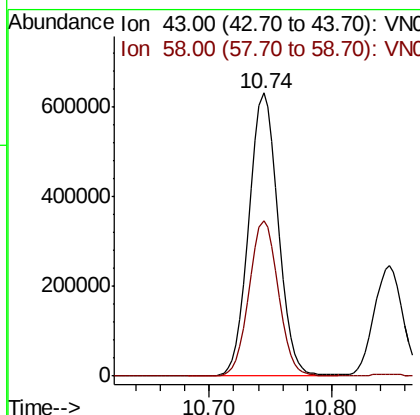
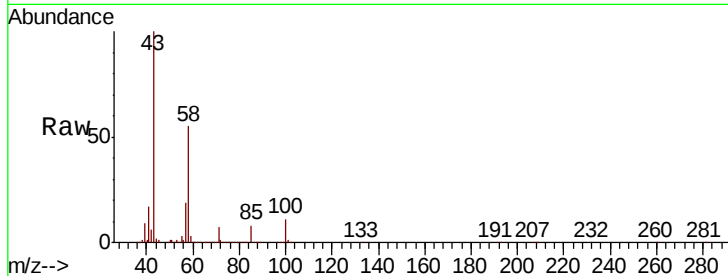
#59
2-Hexanone
Concen: 224.757 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1038112
Ion Ratio Lower Upper
43 100
58 54.9 27.7 83.0

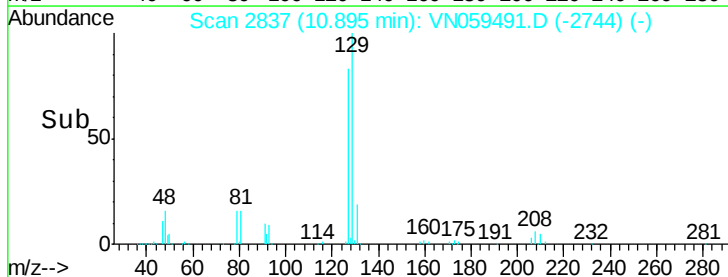
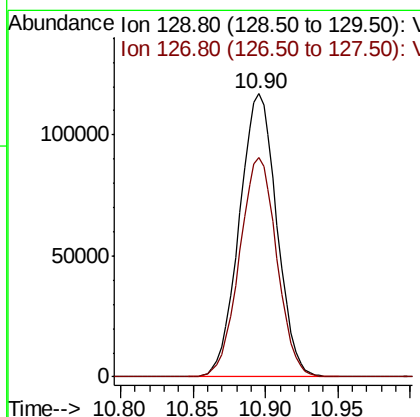
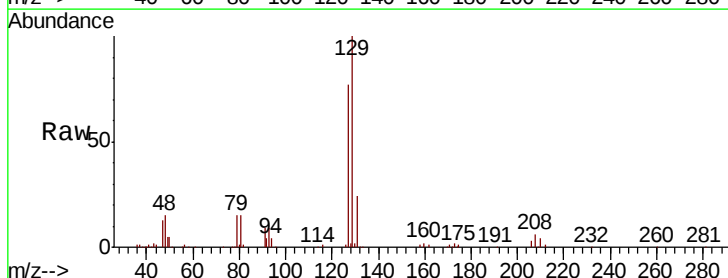
Manual Integrations
APPROVED

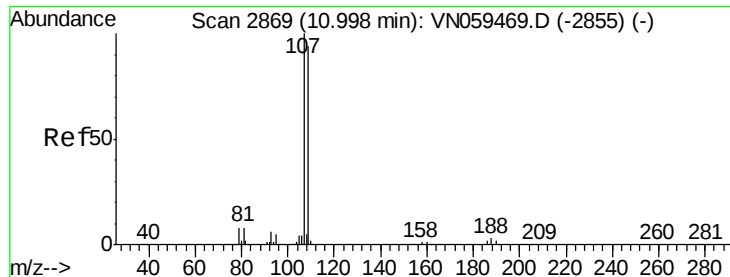
apatel
12/6/2019 2:54:40 PM



#60
Dibromochloromethane
Concen: 45.288 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion: 129 Resp: 210107
Ion Ratio Lower Upper
129 100
127 77.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 44.198 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 198438

Ion Ratio Lower Upper

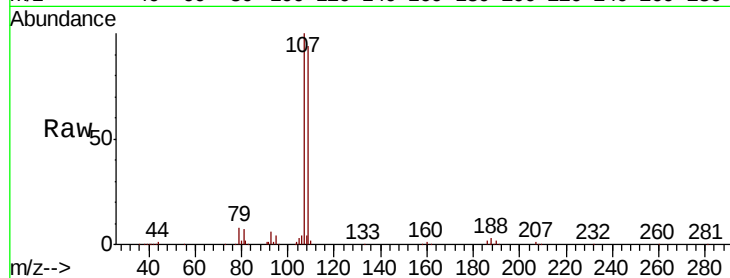
107 100

109 95.1 75.4 113.0

Manual Integrations
APPROVED

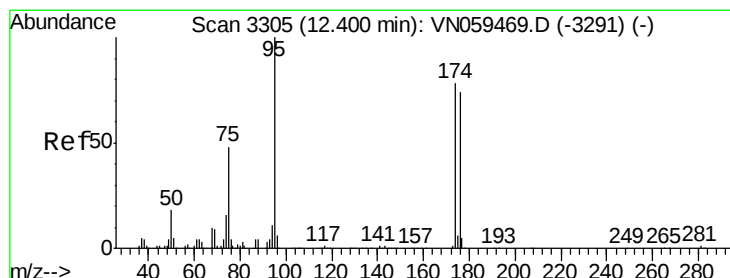
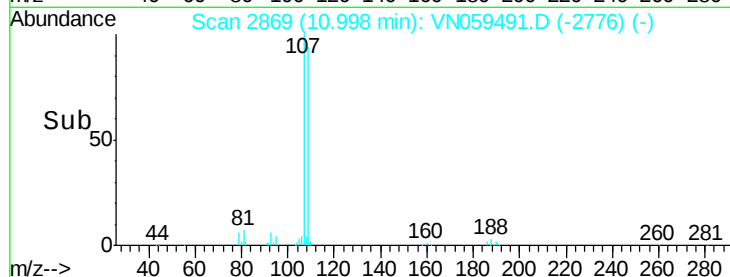
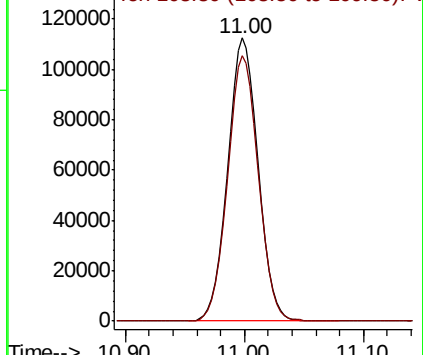
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.232 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

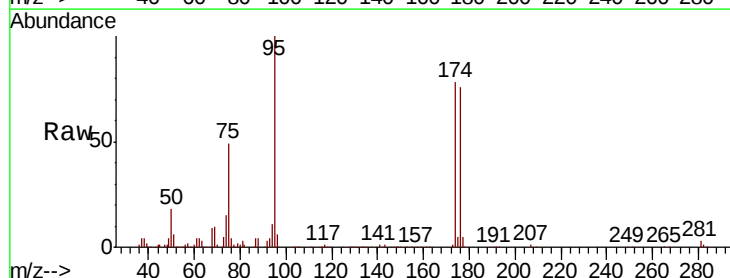
Tgt Ion: 95 Resp: 273021

Ion Ratio Lower Upper

95 100

174 78.5 0.0 157.0

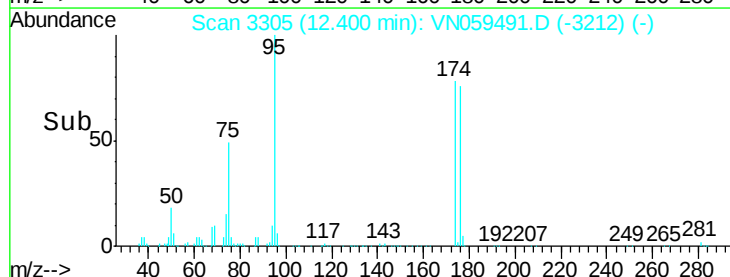
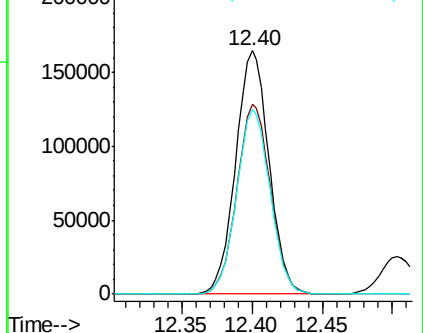
176 76.2 0.0 152.4

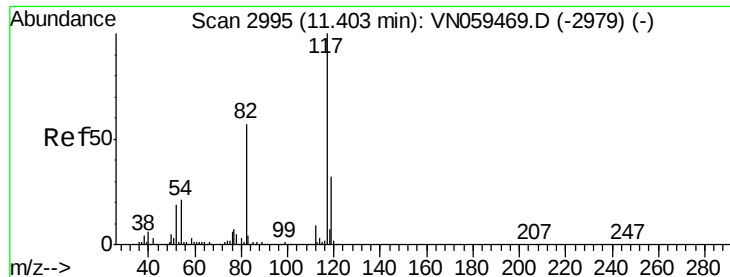


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





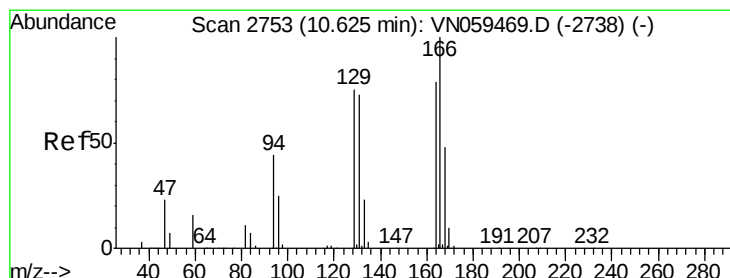
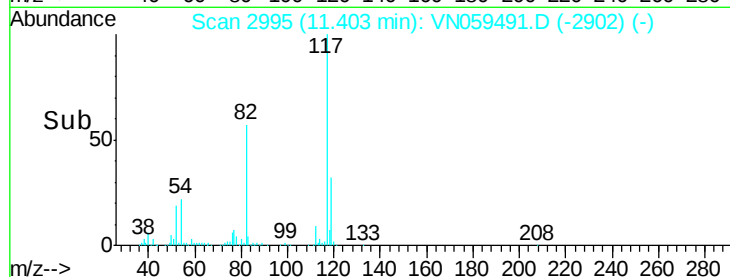
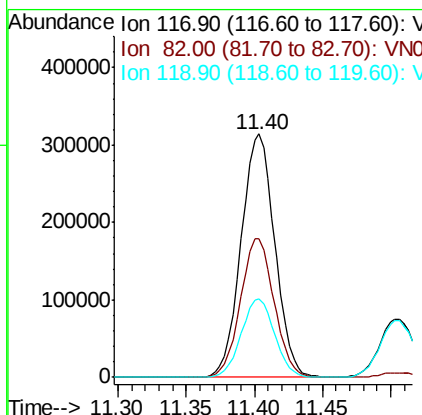
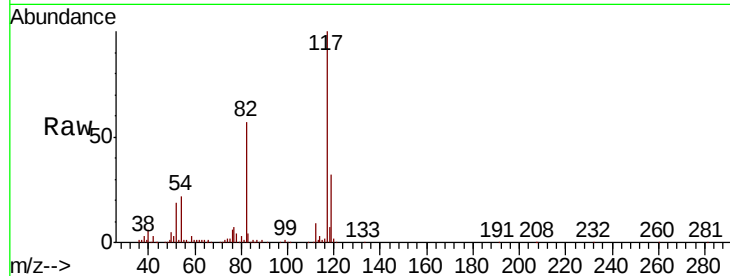
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.8	68.8
119	32.0	25.4	38.0

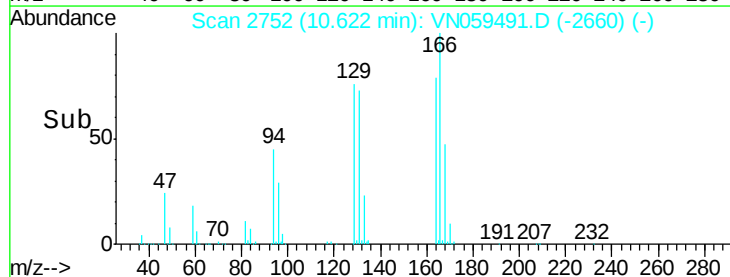
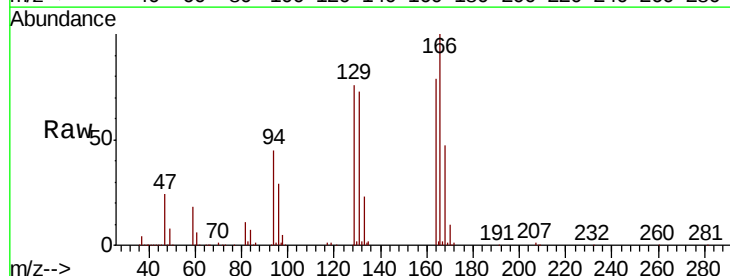
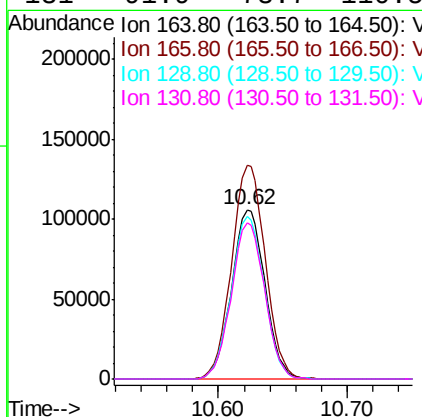
Manual Integrations
APPROVED

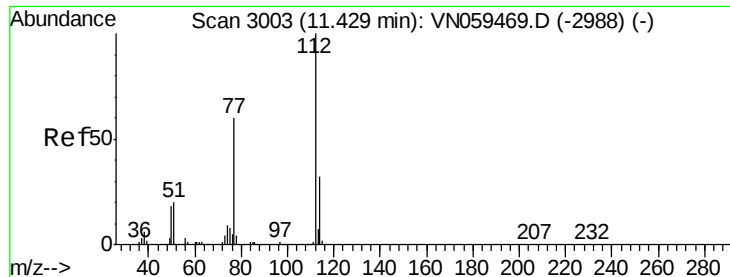
apatel
12/6/2019 2:54:40 PM



#64
Tetrachloroethene
Concen: 41.473 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.2	151.8
129	96.1	76.1	114.1
131	91.9	73.7	110.5





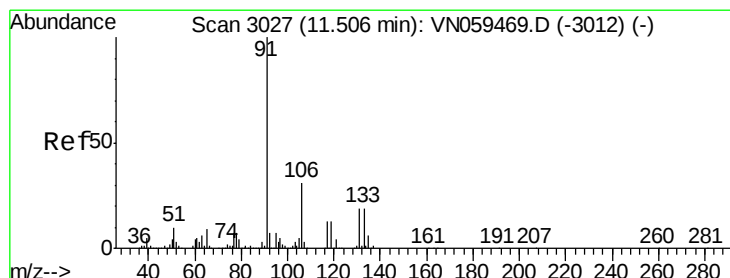
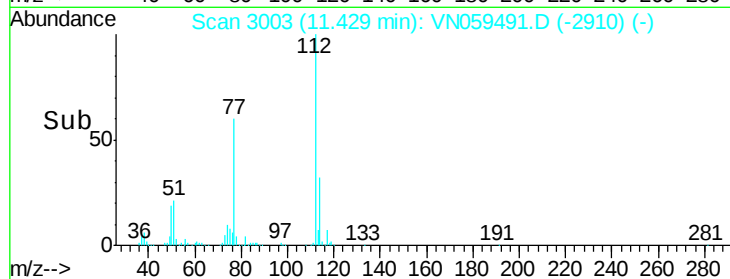
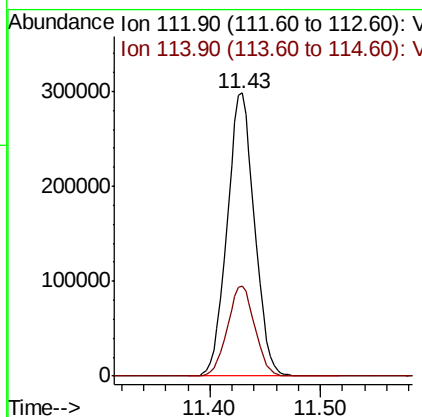
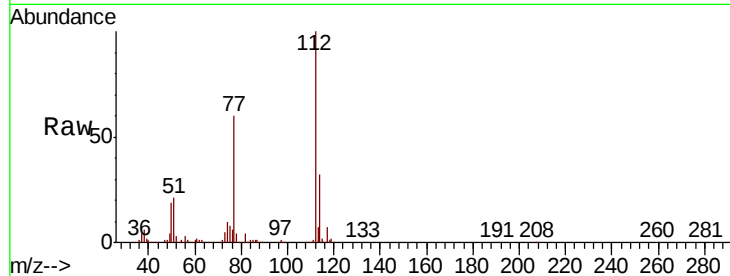
#65
Chlorobenzene
Concen: 43.381 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 511035
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5

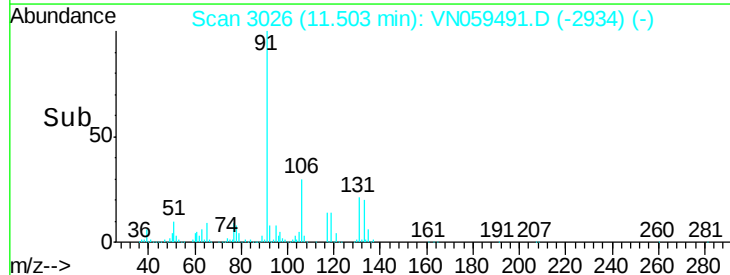
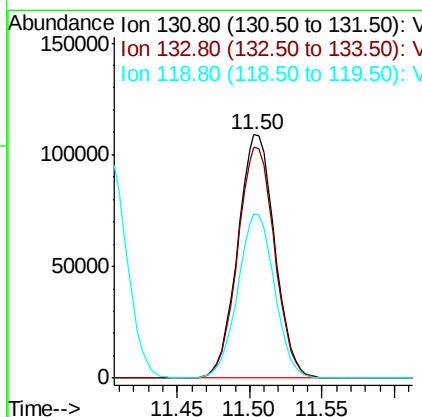
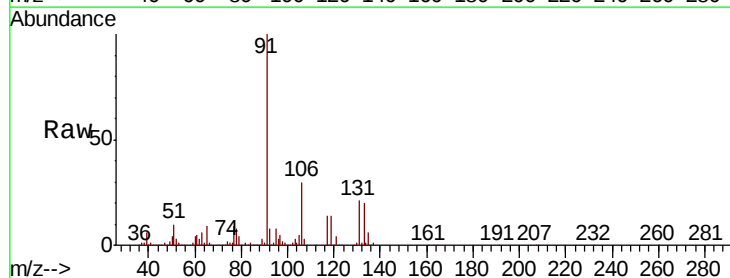
Manual Integrations
APPROVED

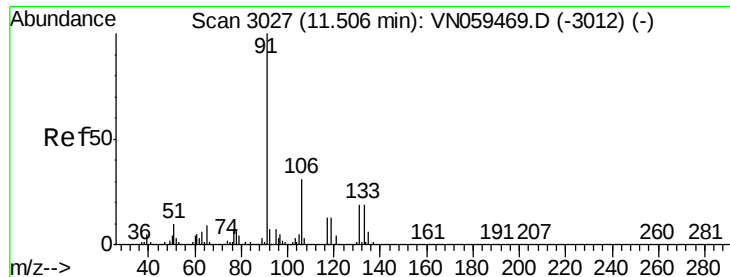
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.630 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion:131 Resp: 193140
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 67.0 33.9 101.6





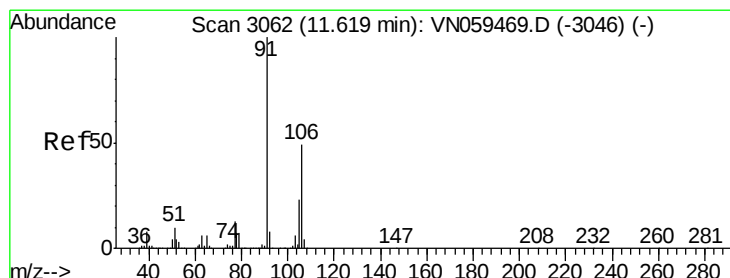
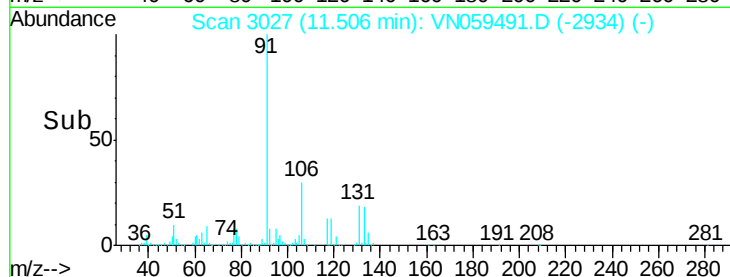
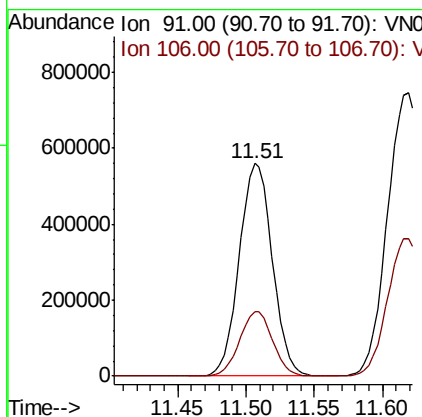
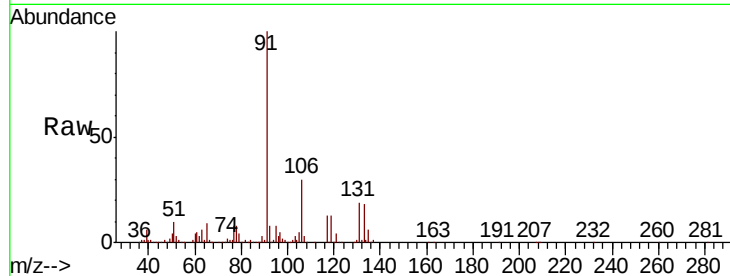
#67
Ethyl Benzene
Concen: 45.685 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 942897
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1

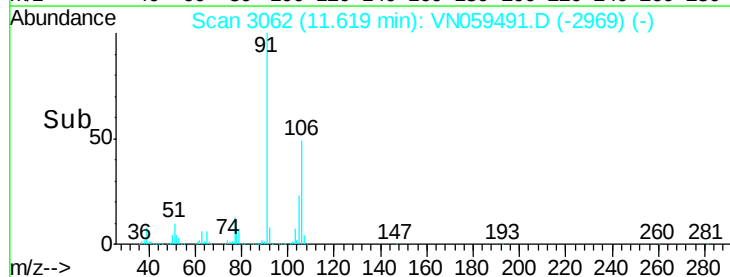
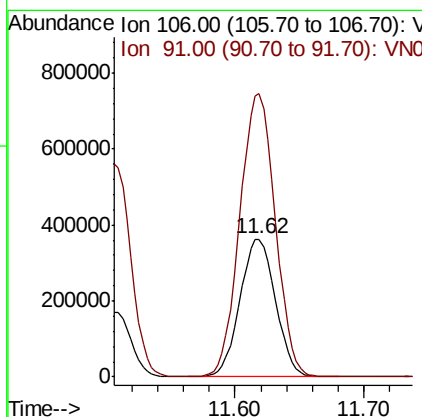
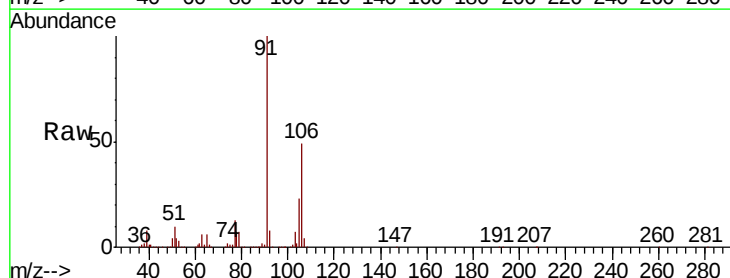
Manual Integrations
APPROVED

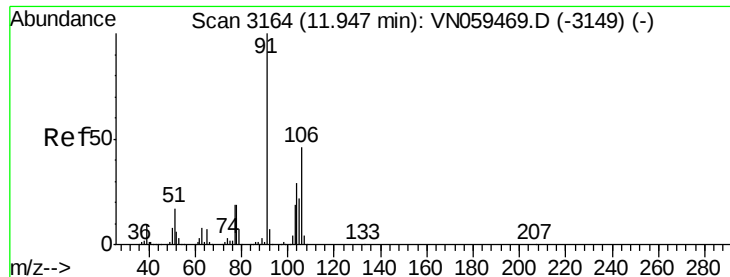
apatel
12/6/2019 2:54:40 PM



#68
m/p-Xylenes
Concen: 90.492 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion: 106 Resp: 695434
Ion Ratio Lower Upper
106 100
91 205.2 162.2 243.4





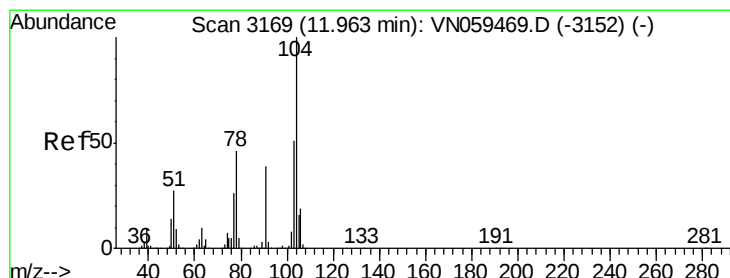
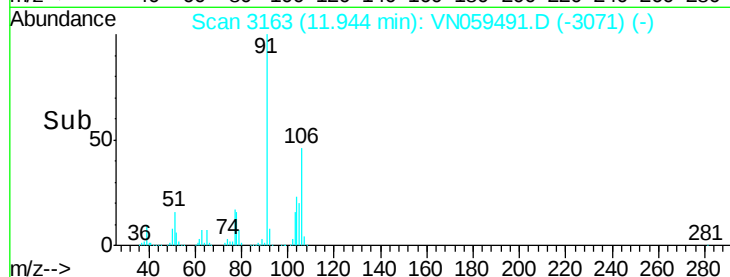
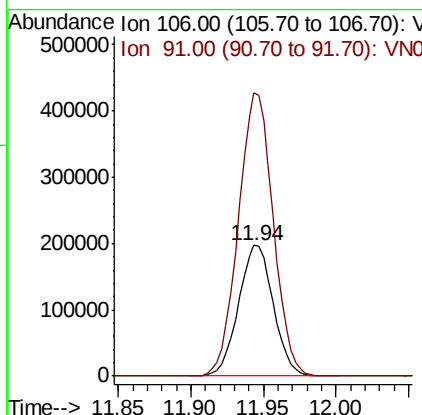
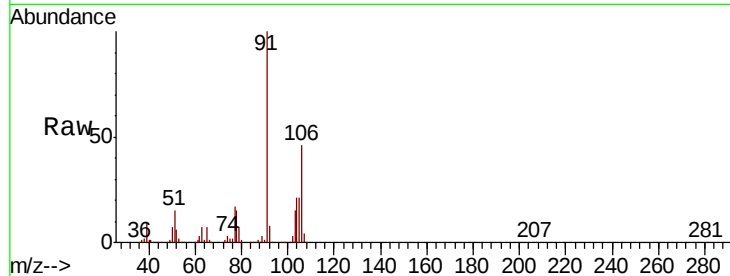
#69
o-Xylene
Concen: 44.945 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.1	108.5	325.3	

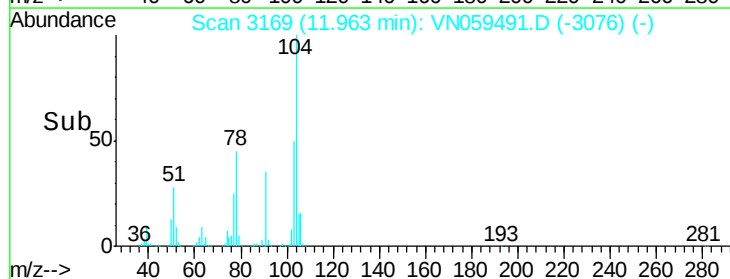
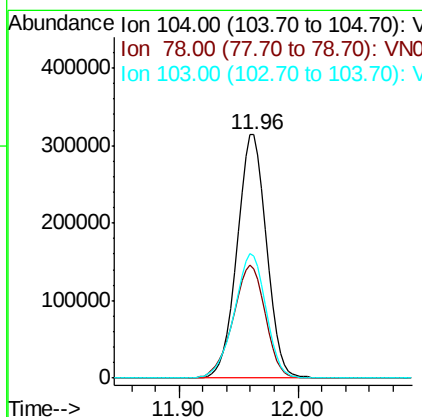
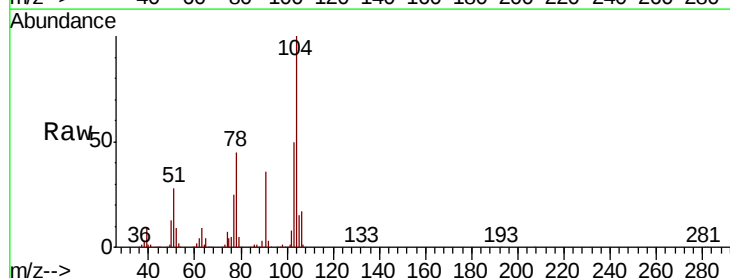
Manual Integrations
APPROVED

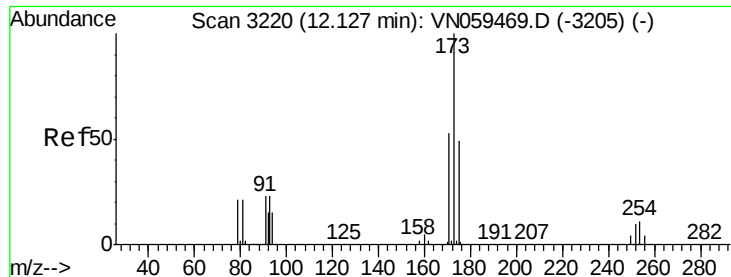
apatel
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#70
Styrene
Concen: 46.105 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.0	41.0	61.4	
103	55.3	44.7	67.1	





#71

Bromoform

Concen: 45.441 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 149923

Ion Ratio Lower Upper

173 100

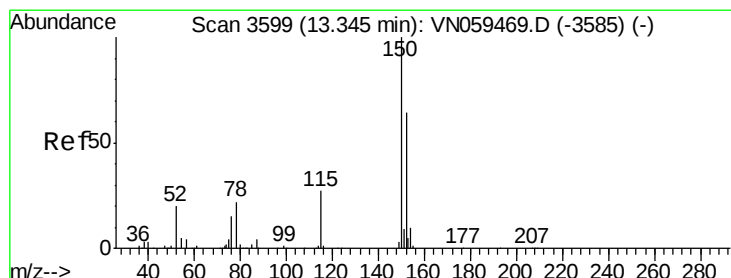
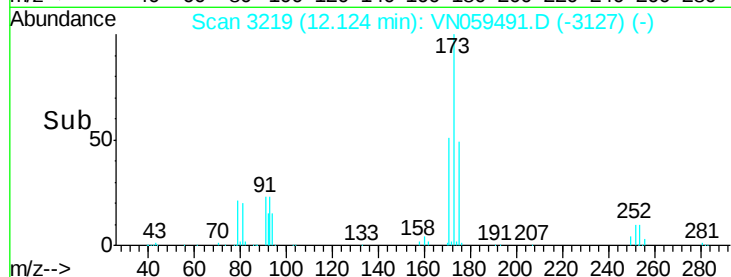
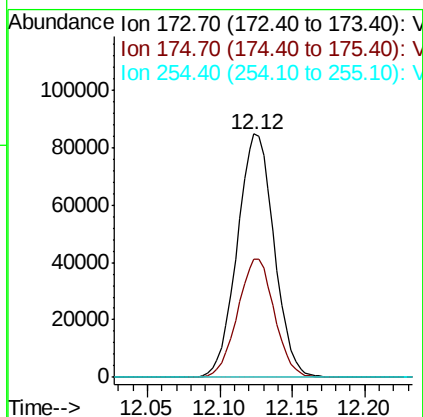
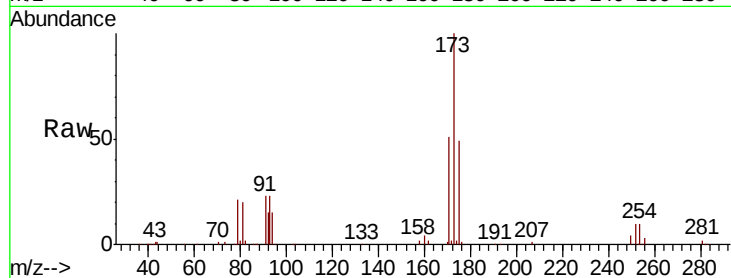
175 48.4 24.3 73.0

254 0.0 0.0 0.0#

Manual Integrations
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apatel

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

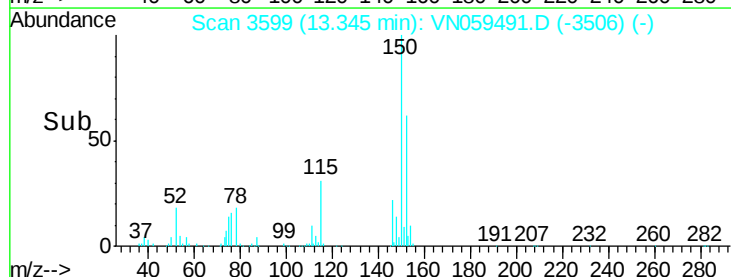
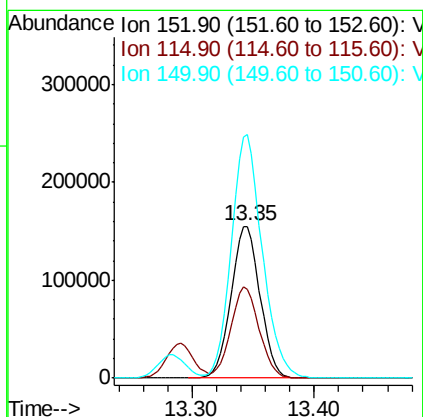
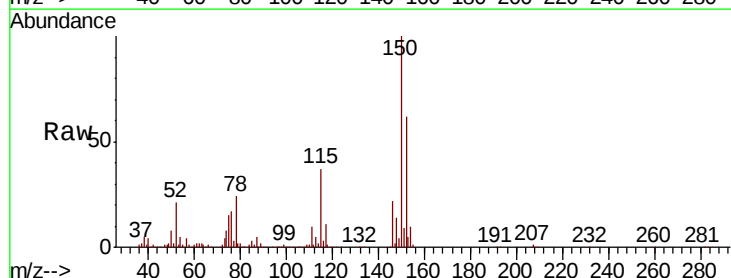
Tgt Ion:152 Resp: 255627

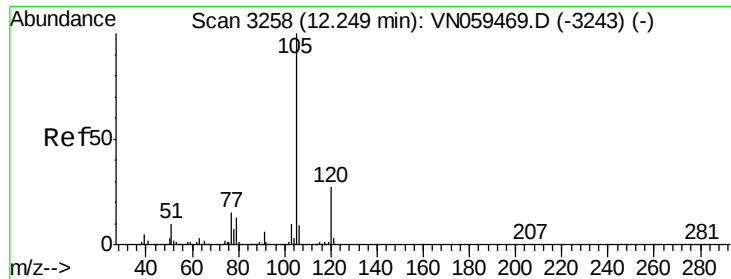
Ion Ratio Lower Upper

152 100

115 58.9 29.2 87.6

150 171.1 0.0 352.8





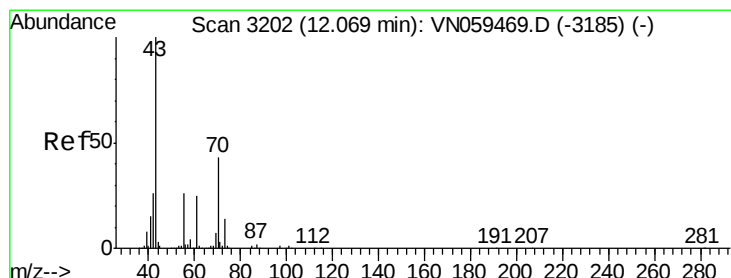
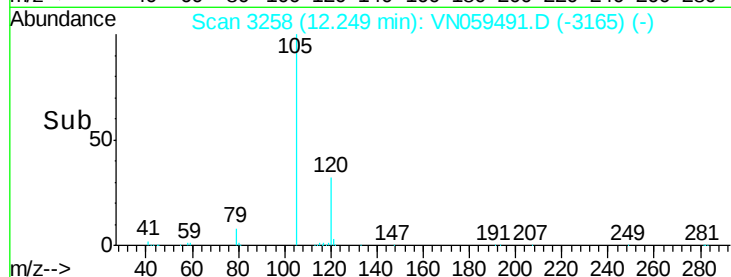
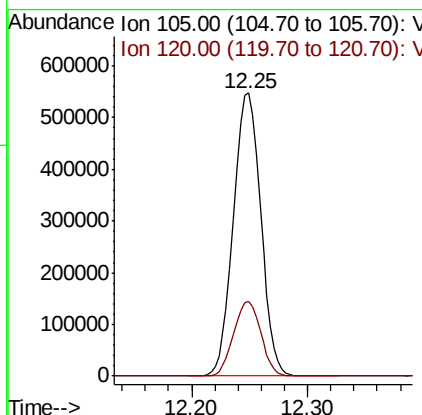
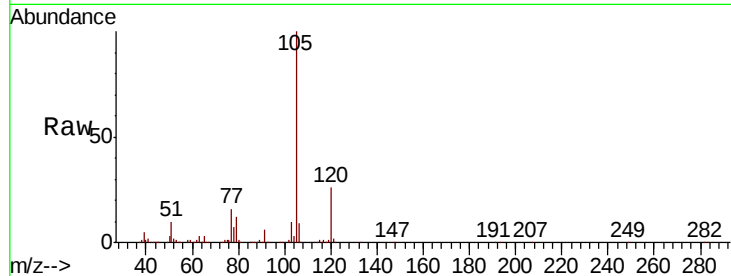
#73
Isopropylbenzene
Concen: 43.609 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6

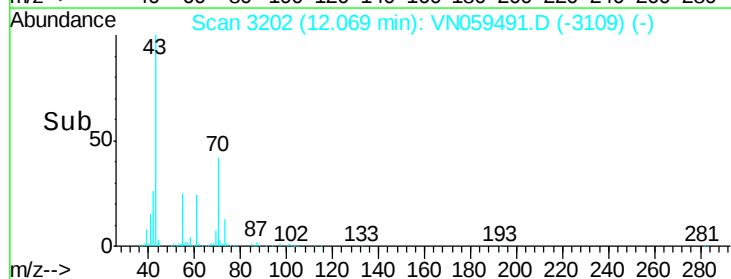
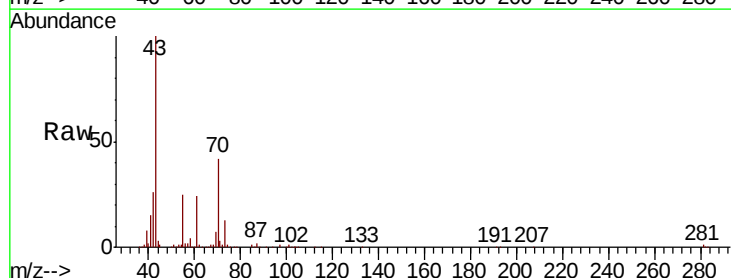
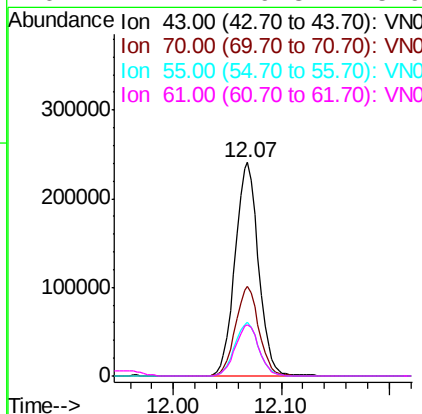
Manual Integrations
APPROVED

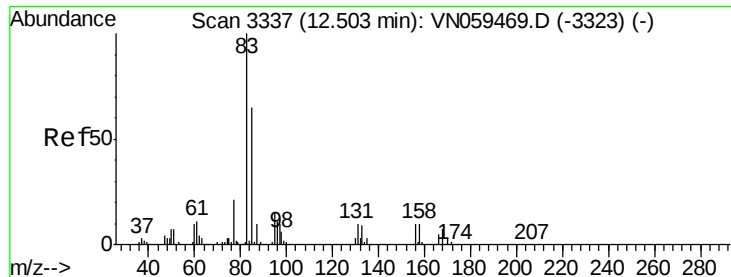
apatel
12/6/2019 2:54:40 PM



#74
N-ethyl acetate
Concen: 44.031 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.0	34.2	51.2
55	25.7	20.6	31.0
61	24.4	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 42.696 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

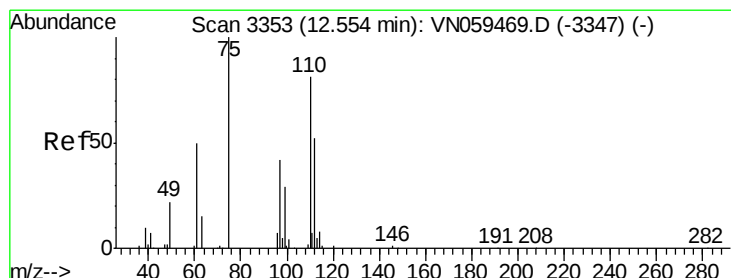
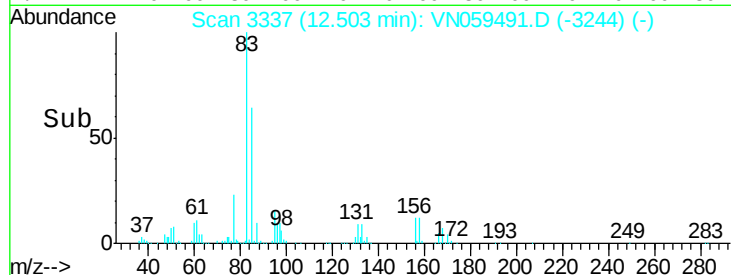
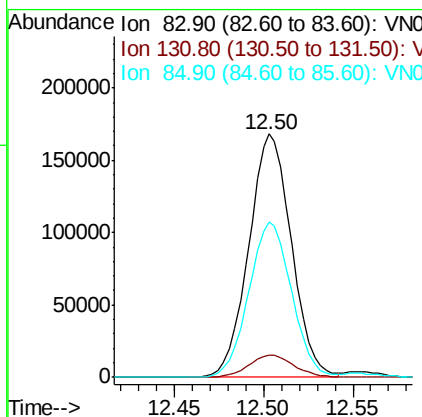
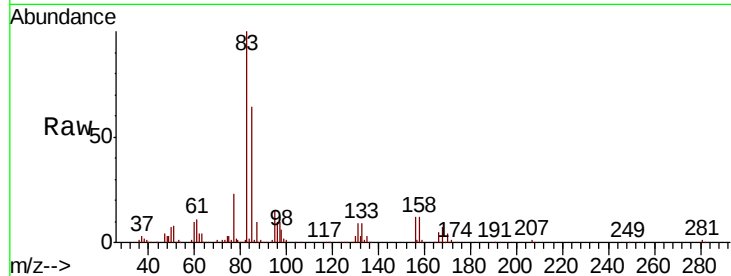
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	280761
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	64.1	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.026 ug/l m

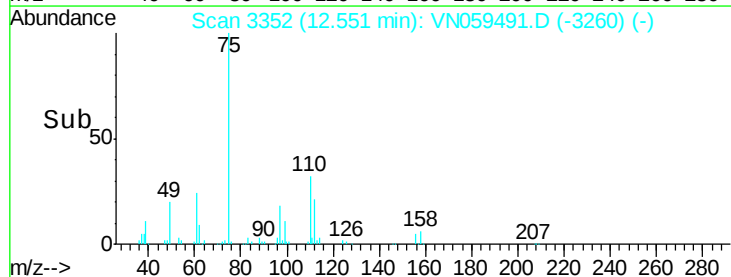
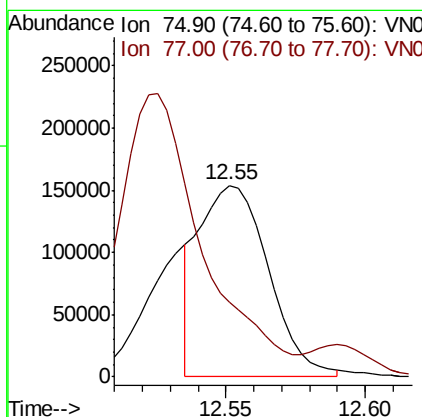
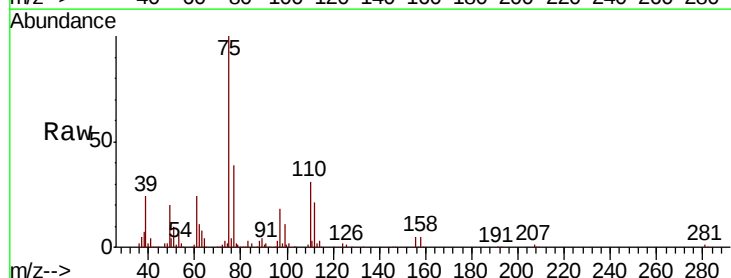
RT: 12.55 min Scan# 3352

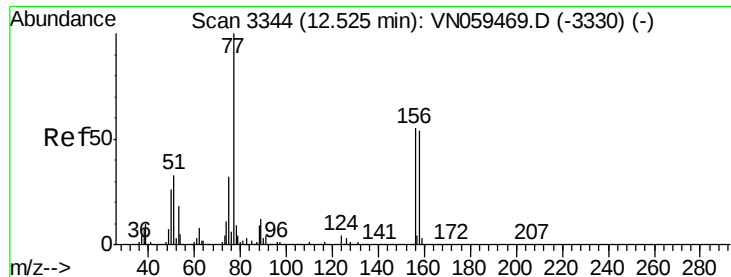
Delta R.T. -0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Tgt Ion:	75	Resp:	267114
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 41.694 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

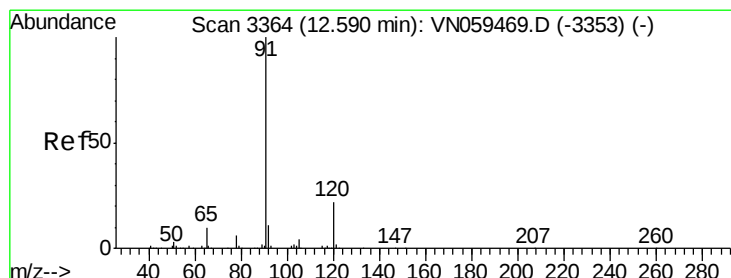
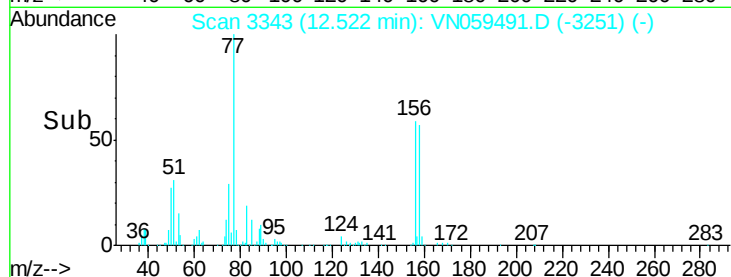
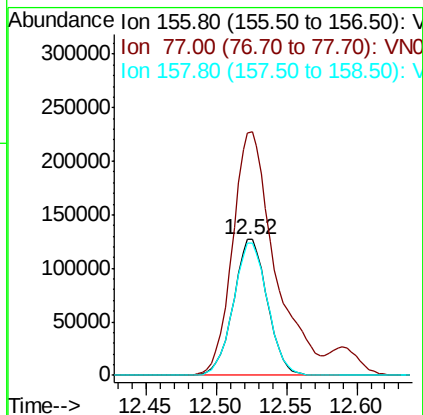
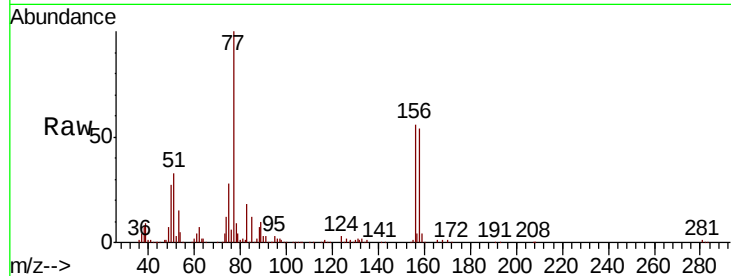
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	213593
Ion Ratio	Lower	Upper	
156	100		
77	221.6	110.3	331.0
158	98.8	48.5	145.5

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#78

n-propylbenzene

Concen: 44.229 ug/l

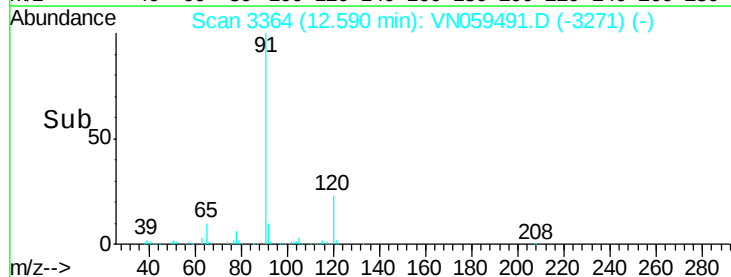
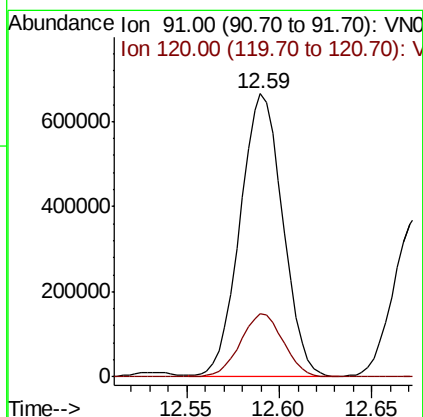
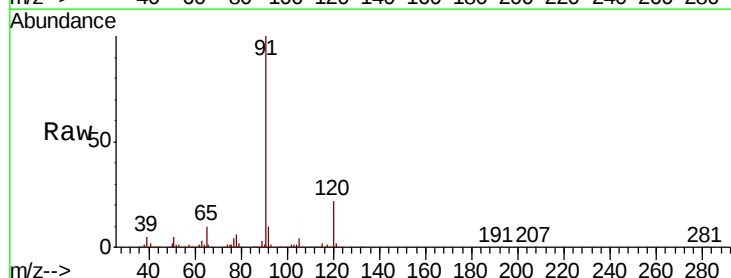
RT: 12.59 min Scan# 3364

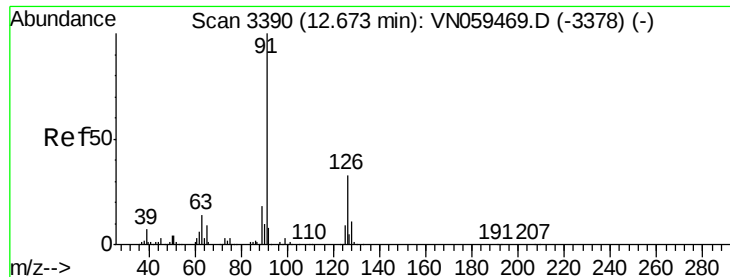
Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Tgt Ion:	91	Resp:	1055182
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.3	33.9





#79

2-Chlorotoluene

Concen: 42.688 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 613922

Ion Ratio Lower Upper

91 100

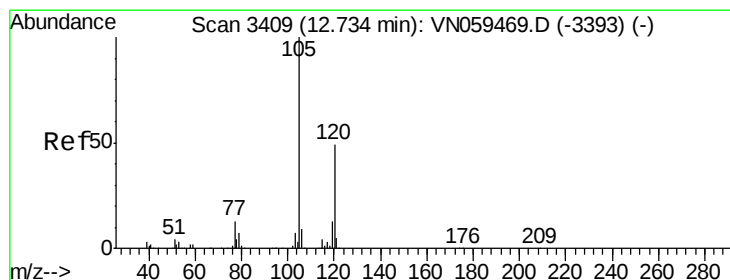
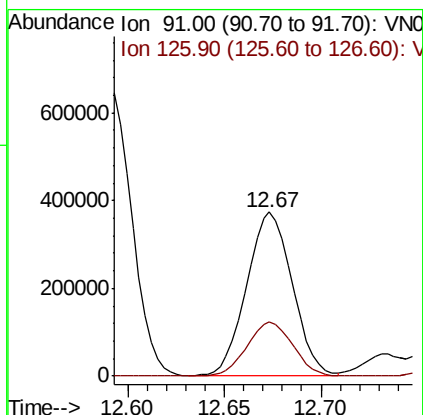
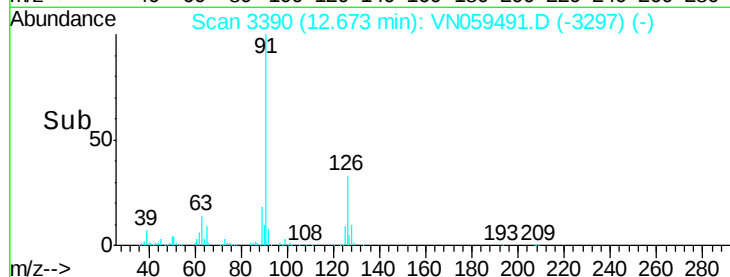
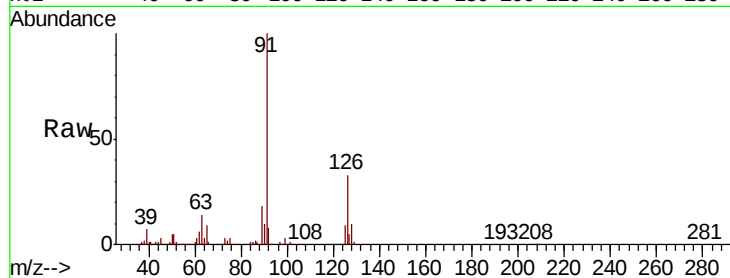
126 33.5 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 43.939 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059491.D

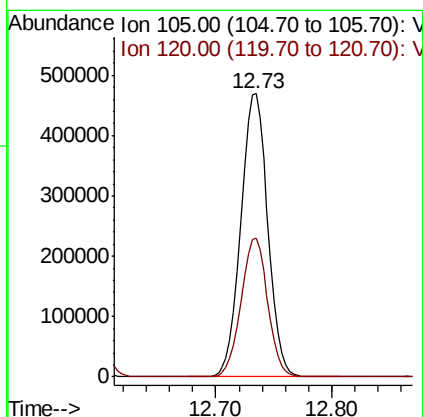
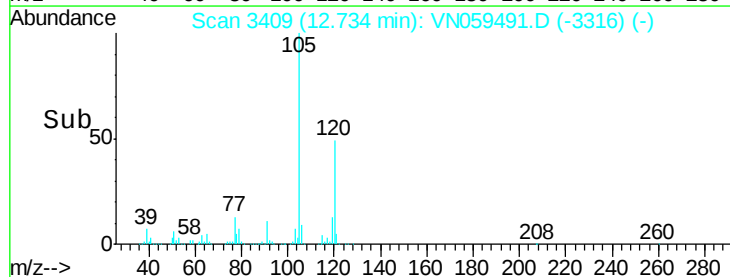
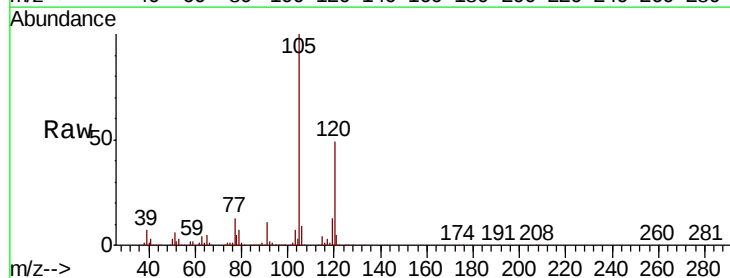
Acq: 5 Dec 2019 11:20

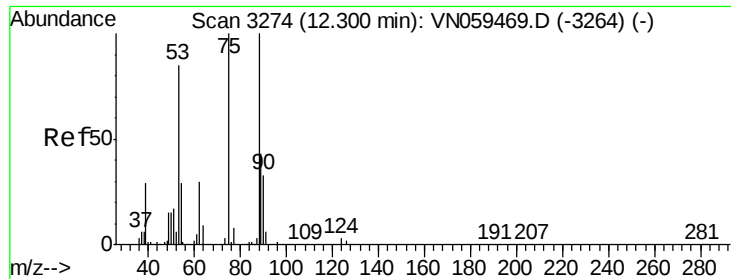
Tgt Ion: 105 Resp: 752763

Ion Ratio Lower Upper

105 100

120 48.5 24.3 73.0





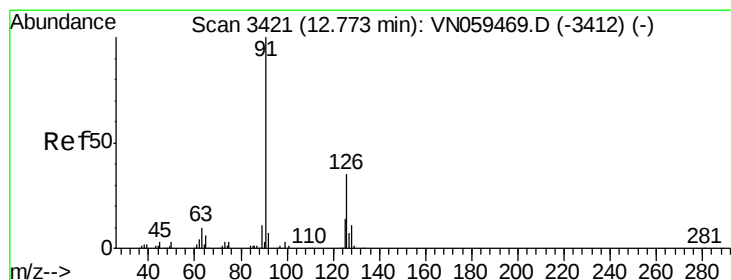
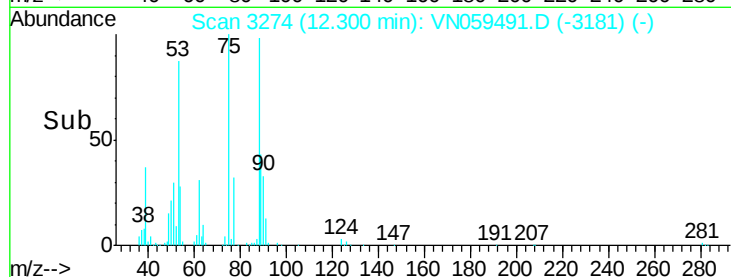
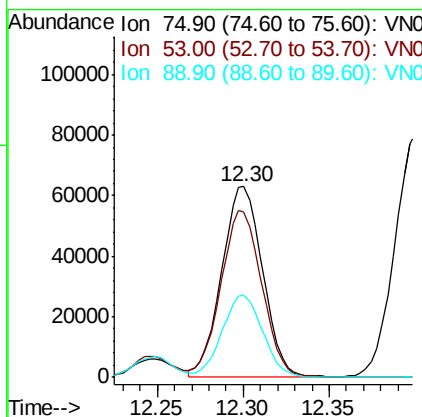
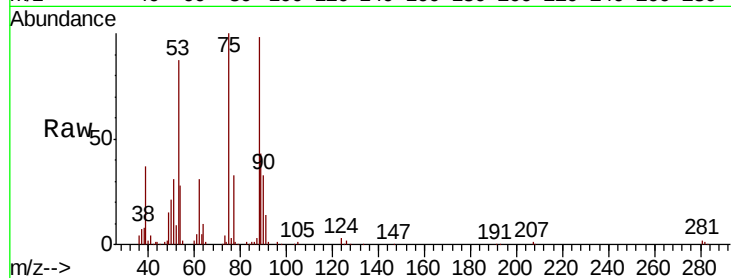
#81
trans-1,4-Dichloro-2-butene
Concen: 43.456 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.5	69.8	104.6
89	42.9	35.2	52.8

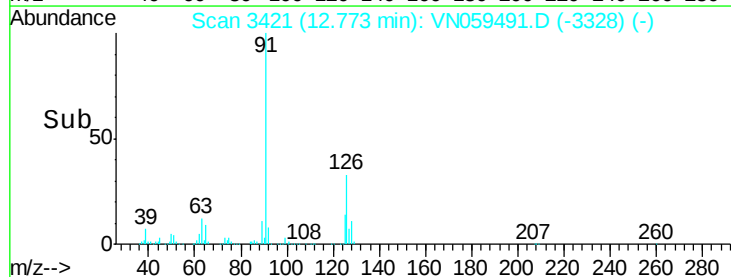
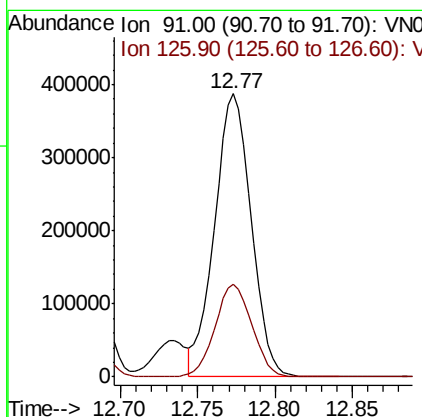
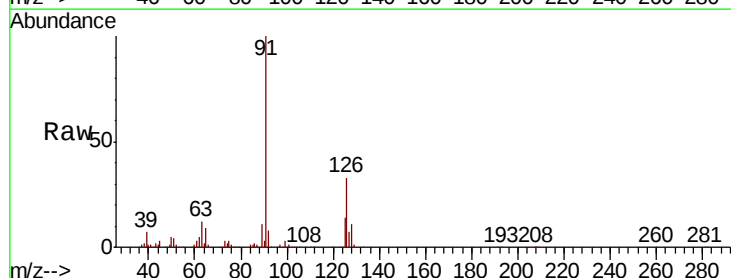
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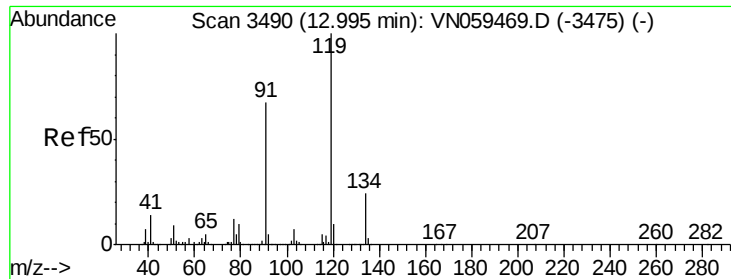
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#82
4-Chlorotoluene
Concen: 42.873 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.2





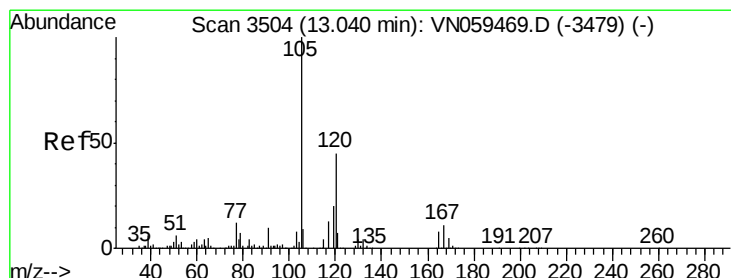
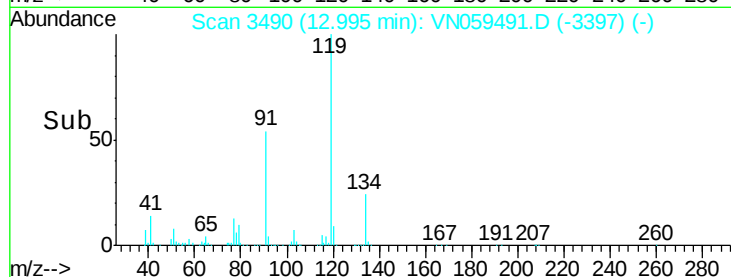
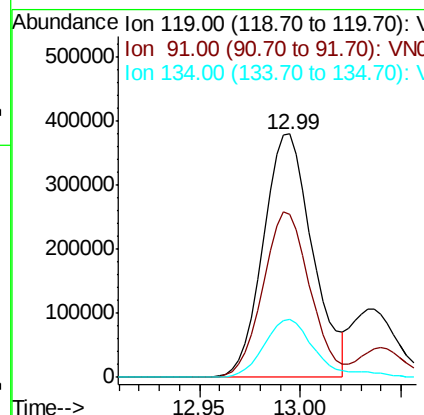
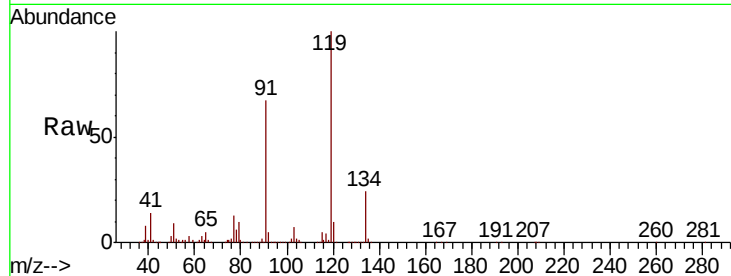
#83
 tert-Butylbenzene
 Concen: 43.404 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059491.D
 Acq: 5 Dec 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.6	97.7
134	25.0	12.6	37.6

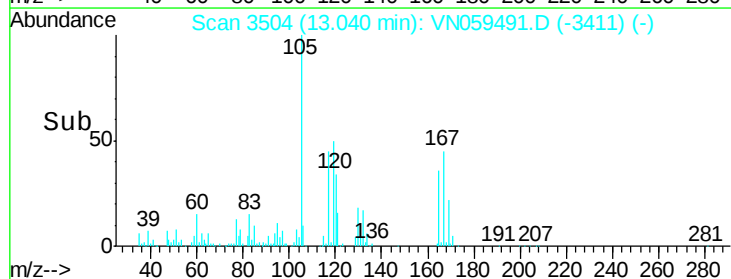
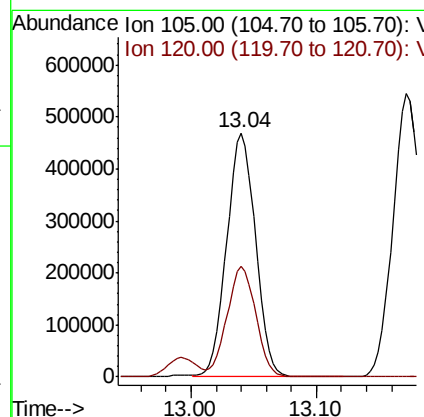
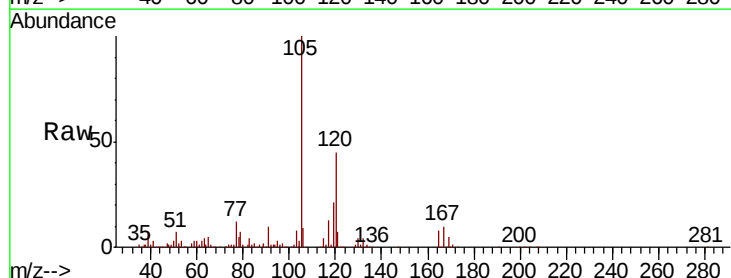
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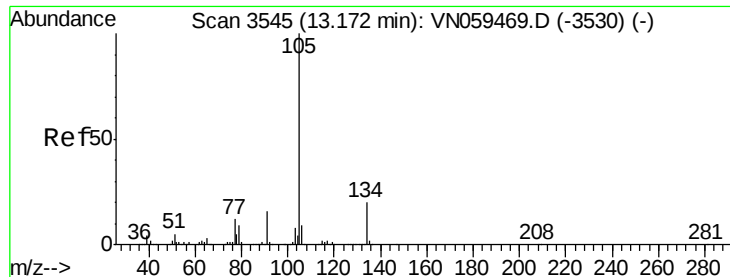
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#84
 1,2,4-Trimethylbenzene
 Concen: 44.506 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059491.D
 Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.6	67.8





#85

sec-Butylbenzene

Concen: 44.029 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 867937

Ion Ratio Lower Upper

105 100

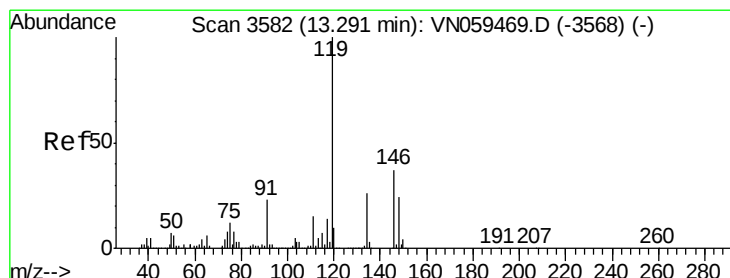
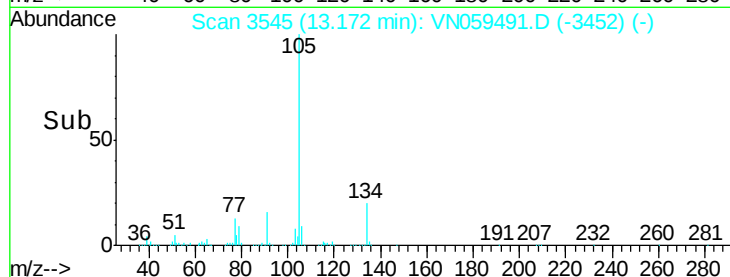
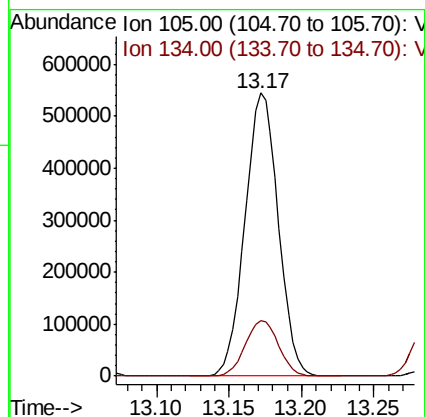
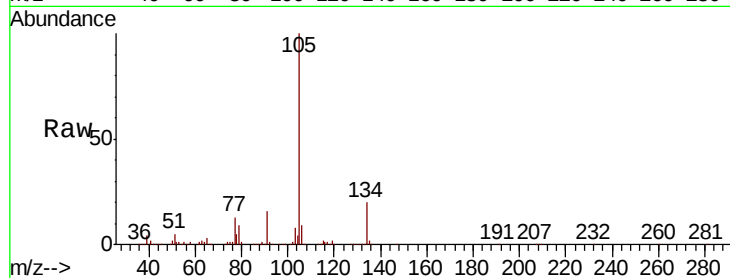
134 19.8 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 44.537 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

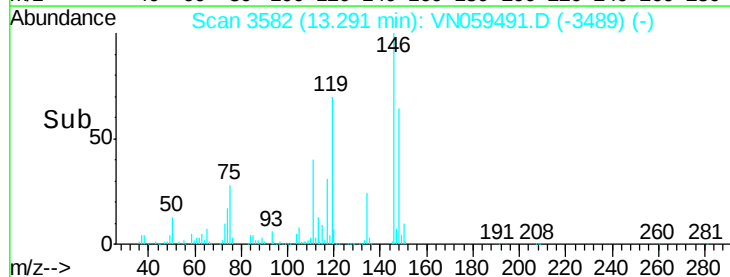
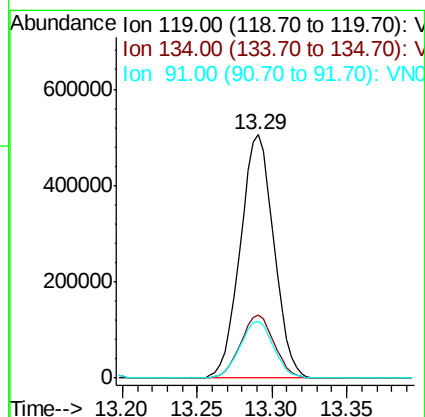
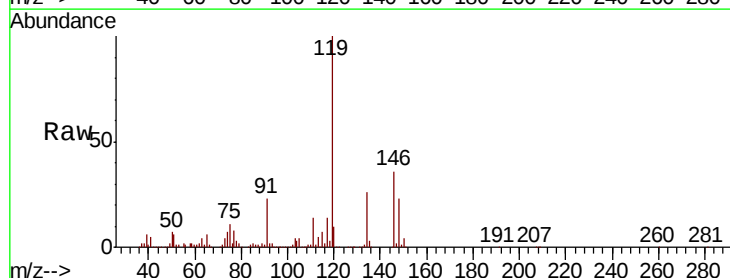
Tgt Ion:119 Resp: 786755

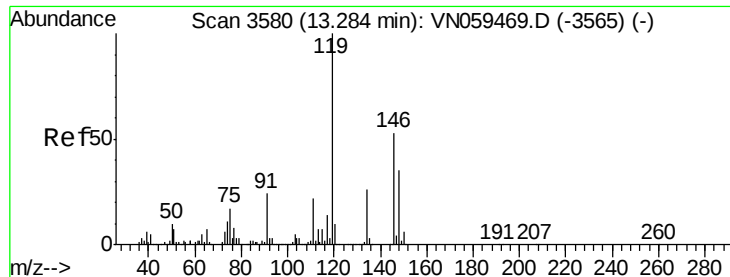
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 23.3 11.7 35.1





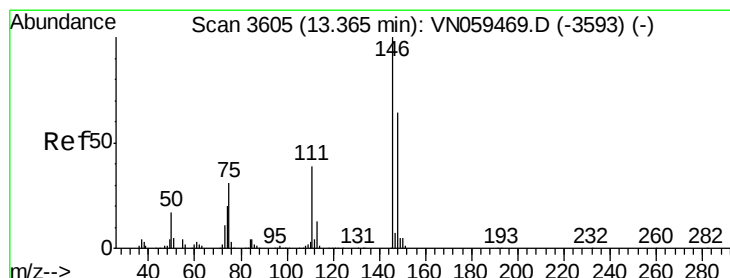
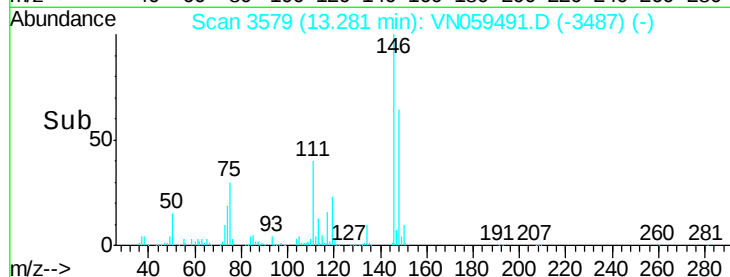
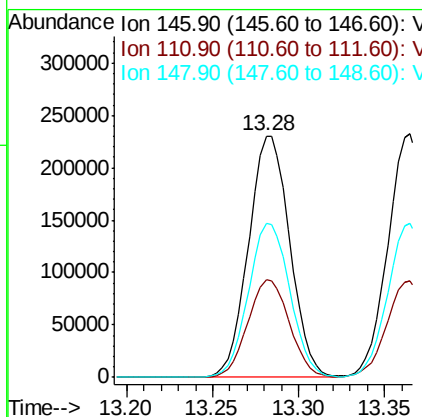
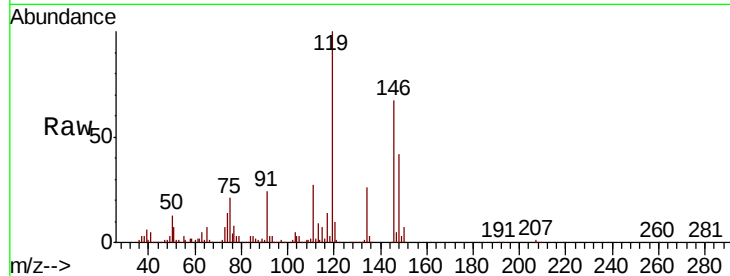
#87
 1,3-Dichlorobenzene
 Concen: 42.495 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059491.D
 Acq: 5 Dec 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.3
148	64.3	32.1	96.5

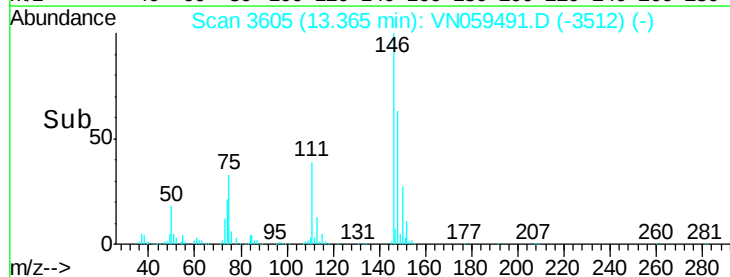
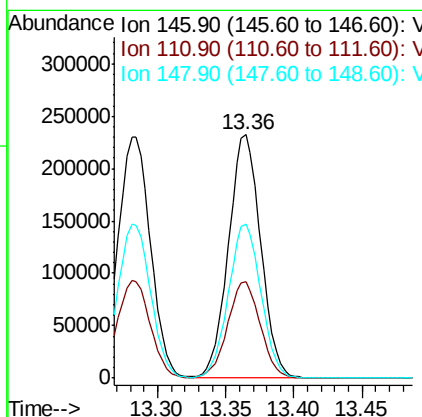
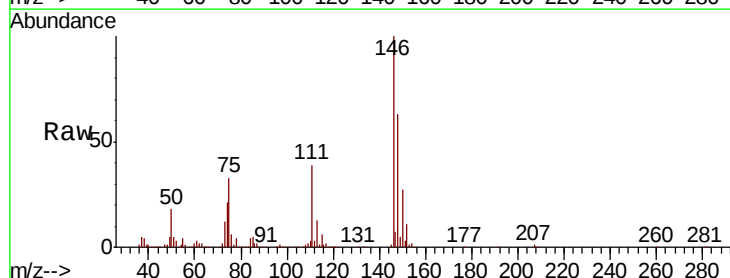
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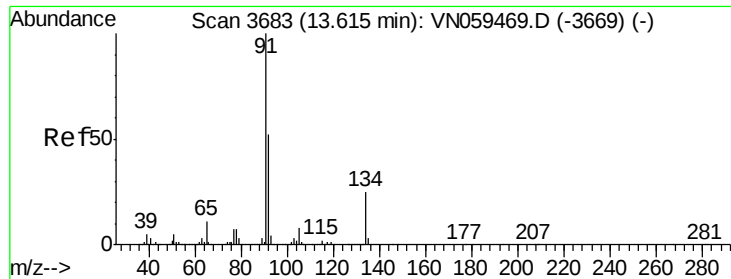
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#88
 1,4-Dichlorobenzene
 Concen: 41.905 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059491.D
 Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.3
148	63.8	32.0	96.0





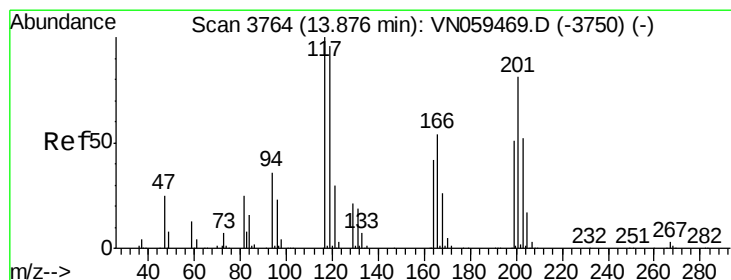
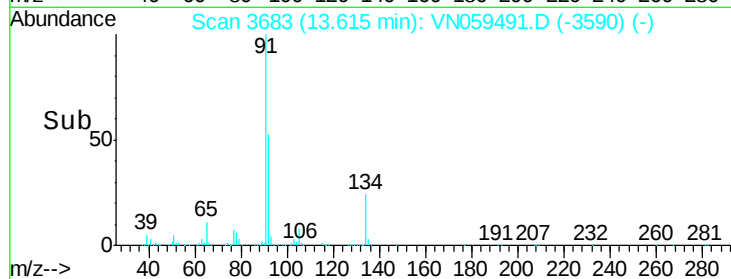
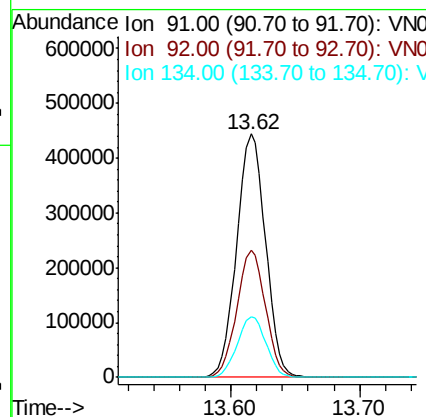
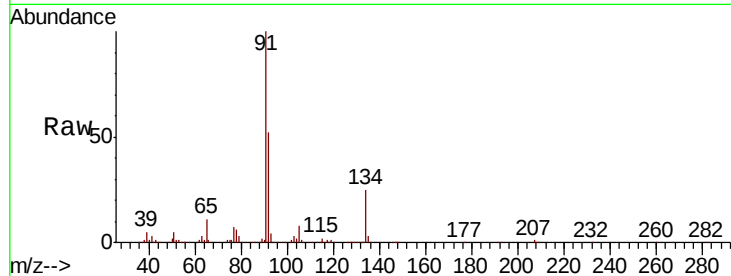
#89
n-Butylbenzene
Concen: 43.625 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.8
134	25.1	12.6	37.6

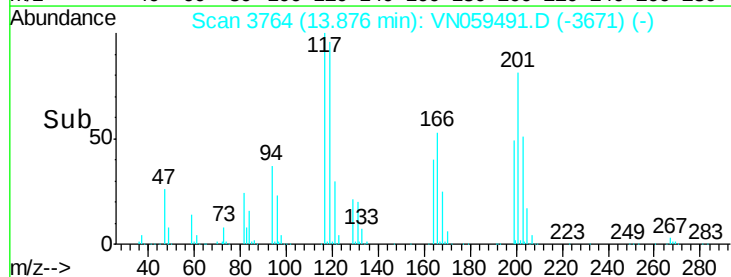
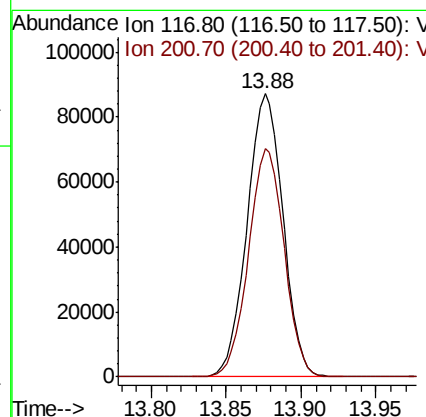
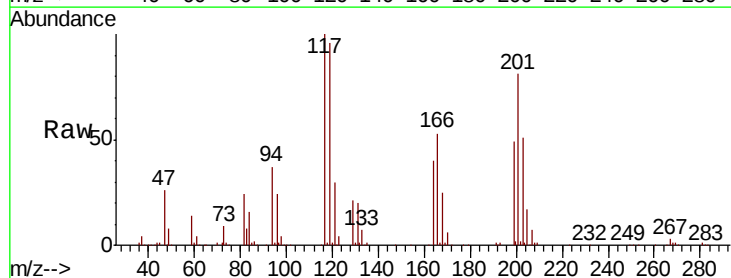
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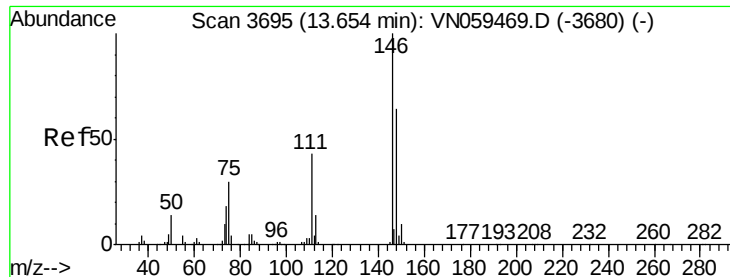
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#90
Hexachloroethane
Concen: 42.774 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	40.6	122.0





#91

1,2-Dichlorobenzene

Concen: 42.908 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Instrument :

MSVOA_N

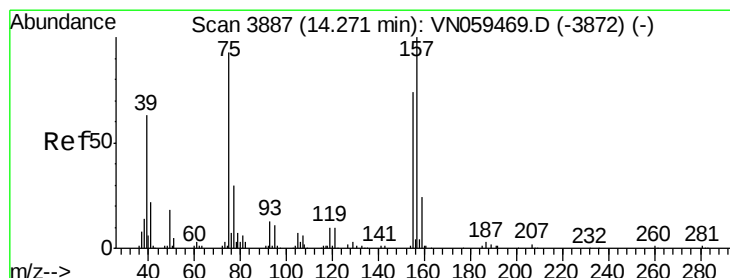
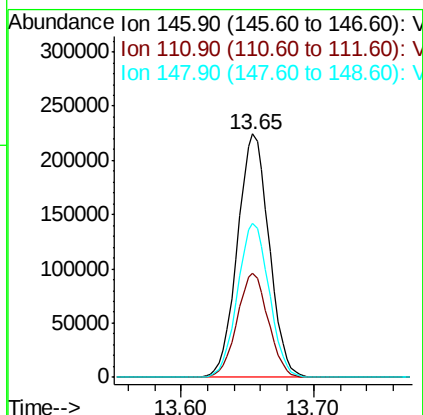
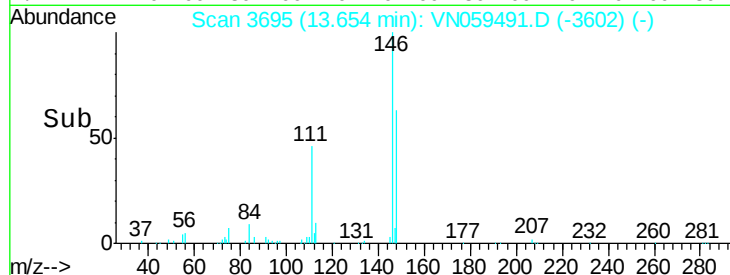
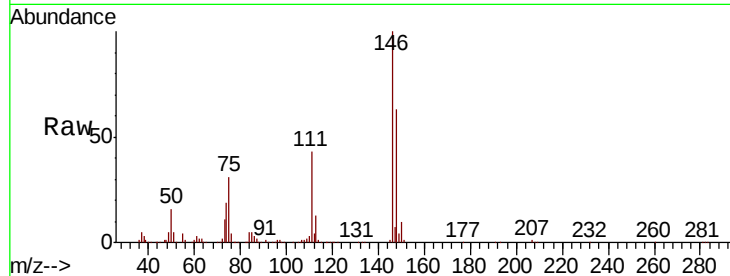
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	371537
Ion Ratio		Lower	Upper
146	100		
111	42.2	21.3	63.7
148	63.4	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 40.106 ug/l

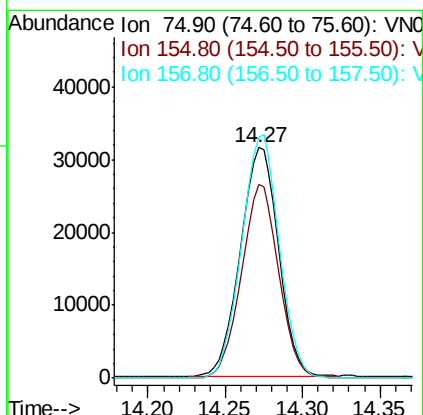
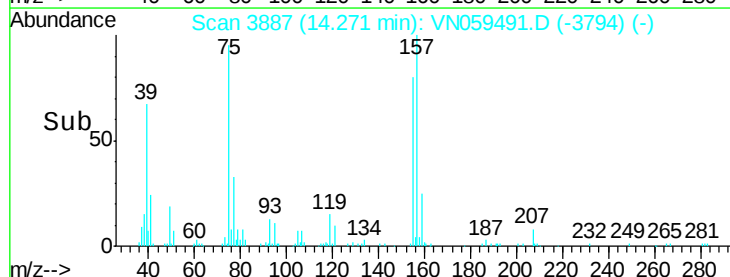
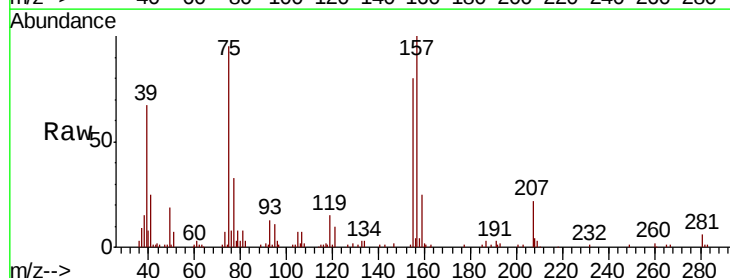
RT: 14.27 min Scan# 3887

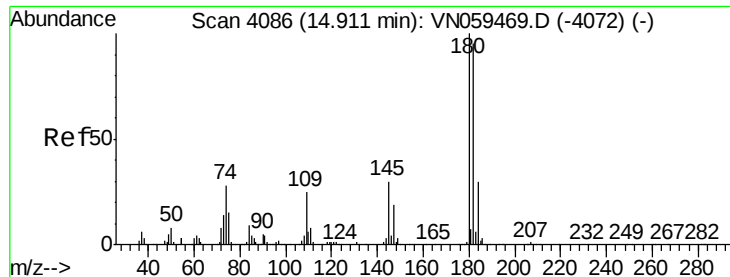
Delta R.T. 0.00 min

Lab File: VN059491.D

Acq: 5 Dec 2019 11:20

Tgt Ion:	75	Resp:	54424
Ion Ratio		Lower	Upper
75	100		
155	81.7	40.6	122.0
157	104.1	52.9	158.7





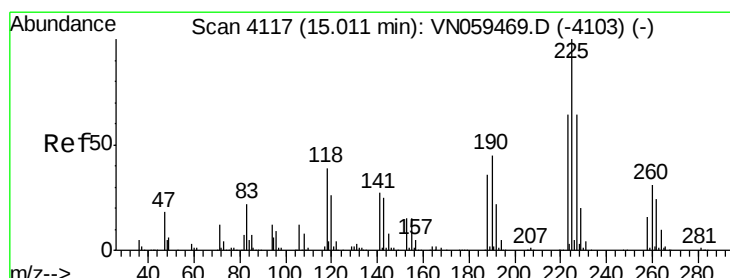
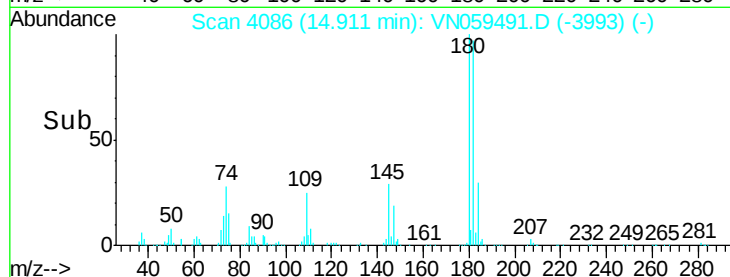
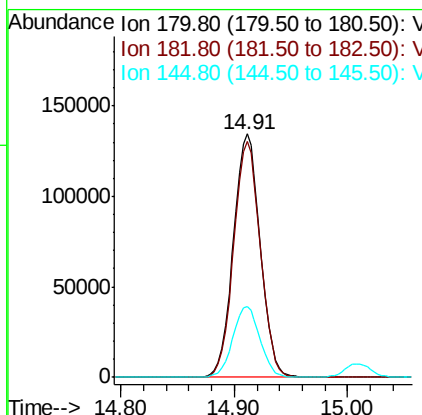
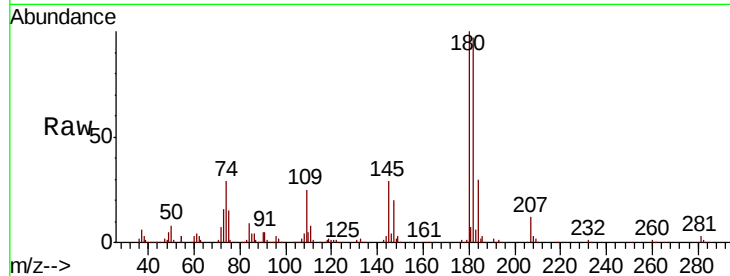
#93
 1,2,4-Trichlorobenzene
 Concen: 41.921 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059491.D
 Acq: 5 Dec 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	221599		
182	96.1	48.0	144.2	
145	29.7	15.2	45.6	

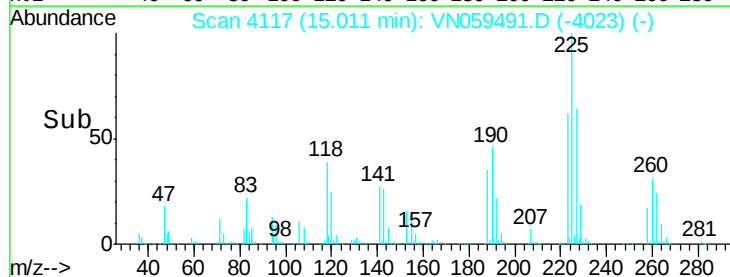
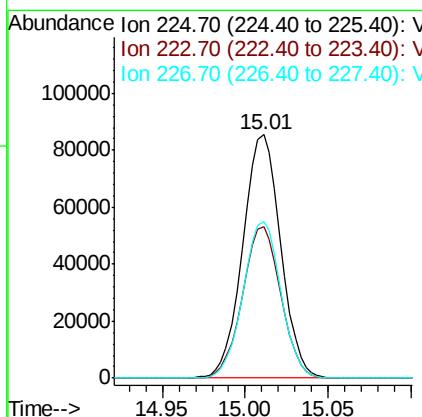
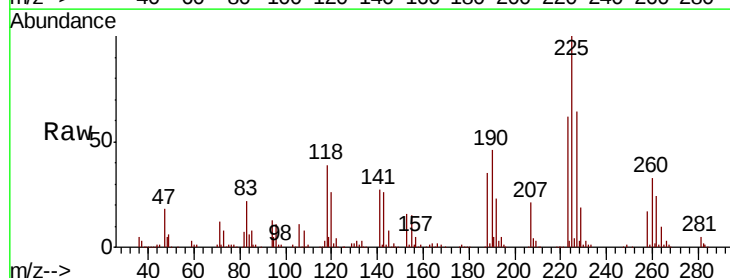
Manual Integrations
 APPROVED

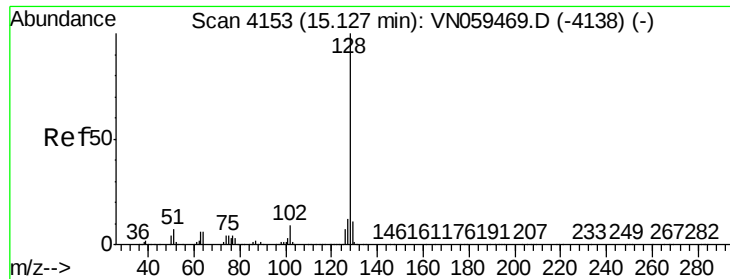
apatel
 12/6/2019 2:54:40 PM



#94
 Hexachlorobutadiene
 Concen: 45.265 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059491.D
 Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135739		
223	62.8	31.9	95.5	
227	64.1	32.0	96.2	





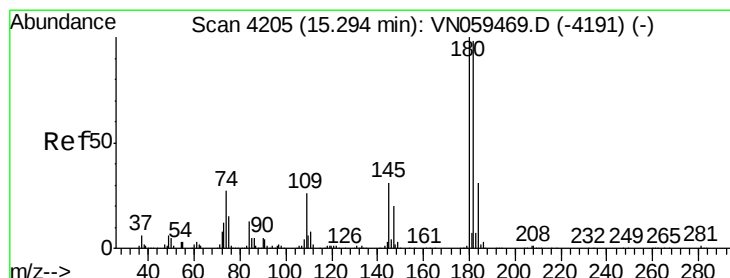
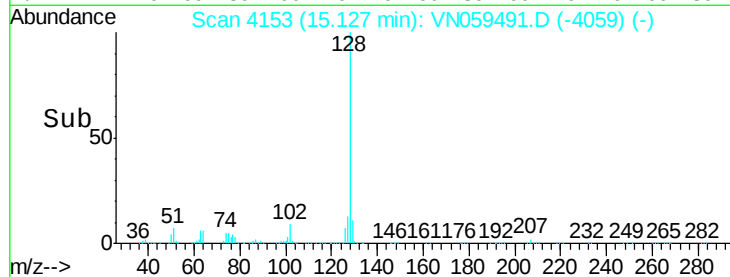
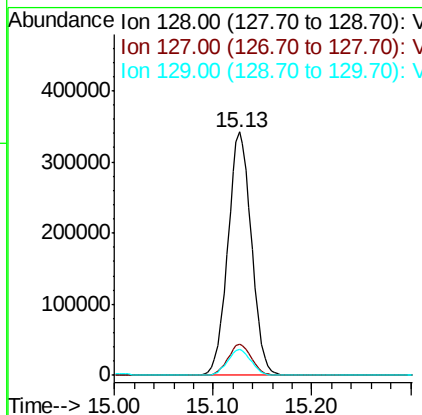
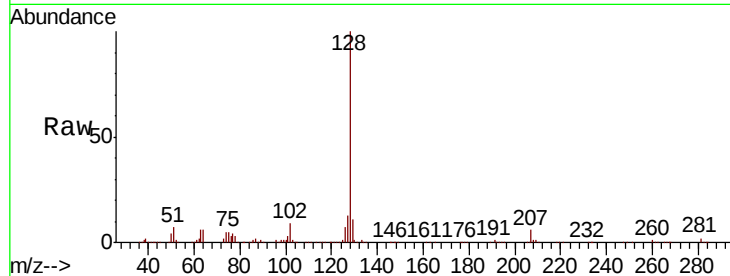
#95
Naphthalene
Concen: 39.739 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	571098		
127	12.8		10.2	15.4
129	10.7		8.8	13.2

Manual Integrations
APPROVED

apatel
12/6/2019 2:54:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 42.369 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059491.D
Acq: 5 Dec 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	223330		
182	94.5		48.5	145.5
145	31.6		16.1	48.2

