

Data File : VV019421.D
Acq On : 23 Nov 2020 14:07
Operator : SY/MD
Sample : VSTD20068
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Quant Time: Nov 23 14:26:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 23 14:01:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	399583	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	411888	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	246616	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	780103	258.99	ug/L	0.00
7) Chloroethane-d5	1.56	69	620982	253.72	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.12	63	1384926	223.46	ug/L	0.00
21) 2-Butanone-d5	3.89	46	1074047	691.48	ug/L	0.00
24) Chloroform-d	4.37	84	1257789	218.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	815788	205.30	ug/L	0.00
32) Benzene-d6	5.07	84	2460697	231.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	802951	272.32	ug/L	0.00
41) Toluene-d8	7.33	98	2273902	219.02	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	425133	225.93	ug/L	0.00
47) 2-Hexanone-d5	8.10	63	844089	763.34	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	1142045	283.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	973395	206.63	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	614840	183.501	ug/L	99
3) Chloromethane	1.25	50	827783	276.493	ug/L	100
5) Vinyl chloride	1.32	62	802650	248.702	ug/L	100
6) Bromomethane	1.51	94	546923	237.009	ug/L	98
8) Chloroethane	1.58	64	506372	248.810	ug/L	100
9) Trichlorofluoromethane	1.76	101	1005859	173.741	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	539847	204.592	ug/L	99
12) 1,1-Dichloroethene	2.13	96	567080	210.562	ug/L	94
13) Acetone	2.17	43	684161	517.149	ug/L	98
14) Carbon disulfide	2.30	76	1665697	223.679	ug/L	100
15) Methyl Acetate	2.44	43	761231	340.830	ug/L	100
16) Methylene chloride	2.52	84	631809	233.623	ug/L	99
17) trans-1,2-Dichloroethene	2.77	96	578467	223.296	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	1937019	232.728	ug/L	100
19) 1,1-Dichloroethane	3.21	63	1148215	255.622	ug/L	99
20) cis-1,2-Dichloroethene	3.93	96	654502	238.660	ug/L	99
22) 2-Butanone	3.97	43	1069916	705.264	ug/L	99
23) Bromochloromethane	4.27	128	330722	209.110	ug/L	100
25) Chloroform	4.40	83	1140021	218.208	ug/L	99
27) 1,2-Dichloroethane	5.15	62	919786	207.820	ug/L	99
29) Cyclohexane	4.70	56	976136	274.200	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	981178	181.345	ug/L	99
31) Carbon tetrachloride	4.85	117	845029	173.431	ug/L	99
33) Benzene	5.12	78	2461641	236.917	ug/L	100
34) Trichloroethene	5.93	95	639308	204.012	ug/L	99
35) Methylcyclohexane	6.15	83	891425	230.179	ug/L	97
37) 1,2-Dichloropropane	6.19	63	683269	270.571	ug/L	99
38) Bromodichloromethane	6.53	83	892236	217.360	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	1115048	257.545	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	2111308	662.602	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2647315	226.499	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	1104902	239.594	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	634746	231.728	ug/L	99
46) Tetrachloroethene	7.99	164	475867	172.395	ug/L	97
48) 2-Hexanone	8.15	43	1656703	663.423	ug/L	98
49) Dibromochloromethane	8.26	129	722144	205.427	ug/L	98
50) 1,2-Dibromoethane	8.37	107	680593	227.103	ug/L	99
51) Chlorobenzene	8.90	112	1700185	211.522	ug/L	98
52) Ethylbenzene	9.03	91	2987804	228.577	ug/L	100
53) m,p-Xylene	9.16	106	1121108	221.493	ug/L	96
54) o-xylene	9.56	106	1118014	228.408	ug/L	97
55) Styrene	9.58	104	2007999	231.968	ug/L	98
56) Isopropylbenzene	9.95	105	2949584	224.424	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	1083671	289.524	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	900039	260.979	ug/L	99
61) Bromoform	9.75	173	572887	204.038	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	1456580	210.217	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	1479714	204.145	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1480304	211.149	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	290700	287.076	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	1103730	207.790	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	1058647	221.542	ug/L	100
69) Naphthalene	13.52	128	3097688	274.496	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	1059822	220.417	ug/L	100

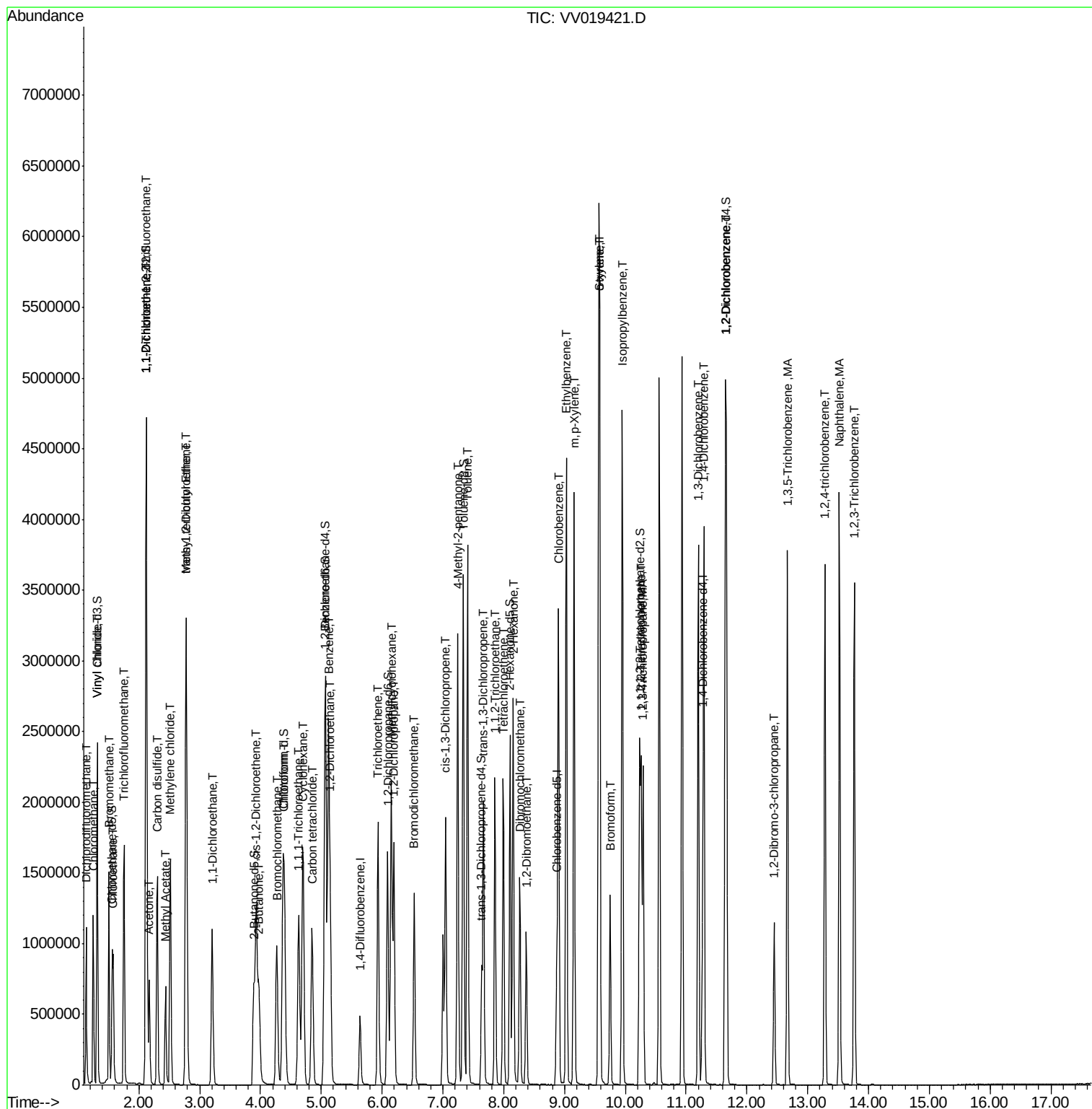
(#) = qualifier out of range (m) = manual integration (+) = signals summed

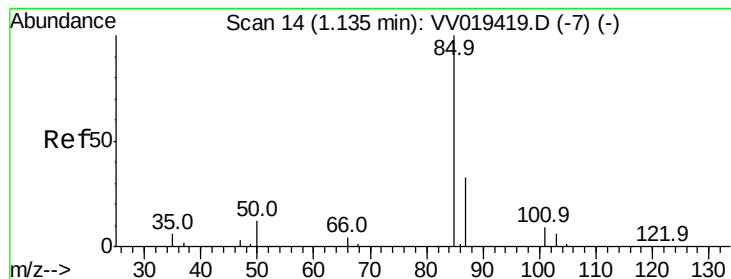
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#2

Dichlorodifluoromethane

Concen: 183.501 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

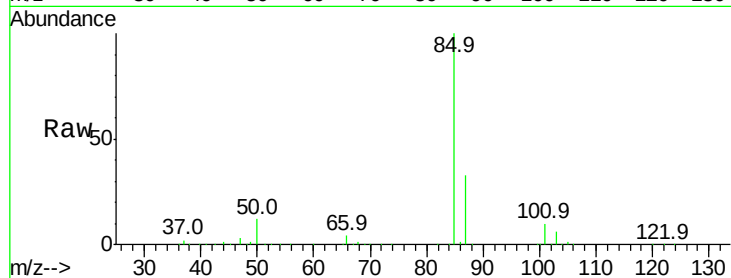
VSTD20062

Tgt Ion: 85 Resp: 614840

Ion Ratio Lower Upper

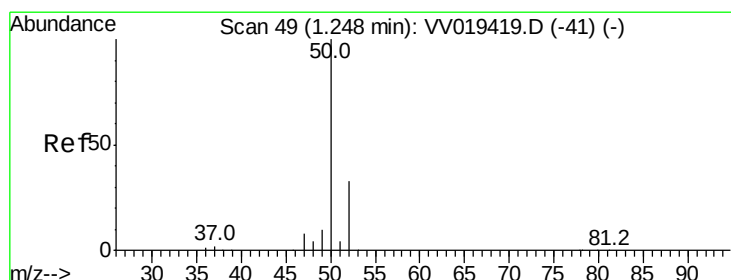
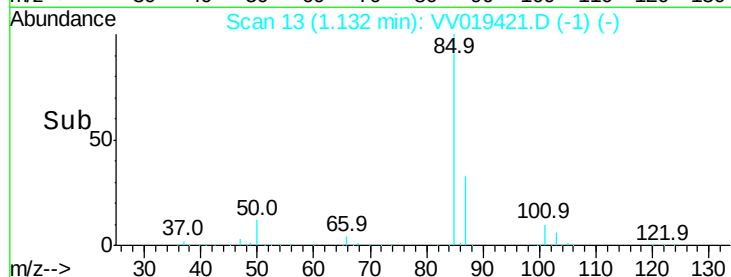
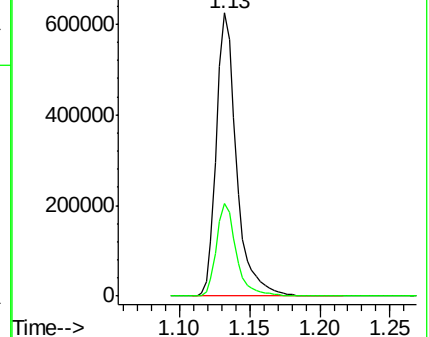
85 100

87 32.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 276.493 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019421.D

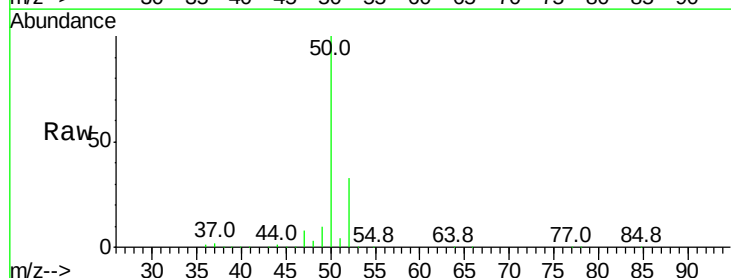
Acq: 23 Nov 2020 14:07

Tgt Ion: 50 Resp: 827783

Ion Ratio Lower Upper

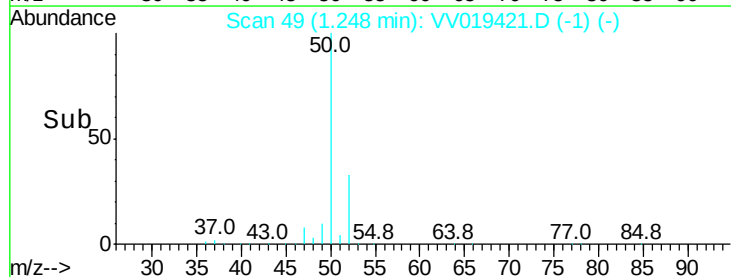
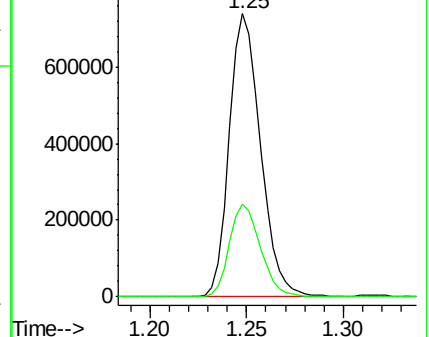
50 100

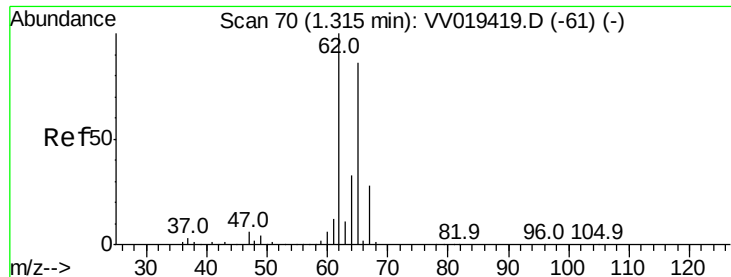
52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 248.702 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

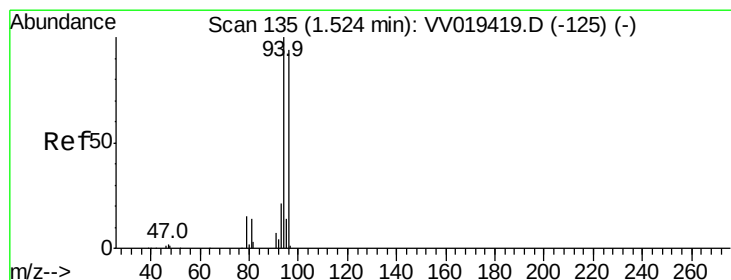
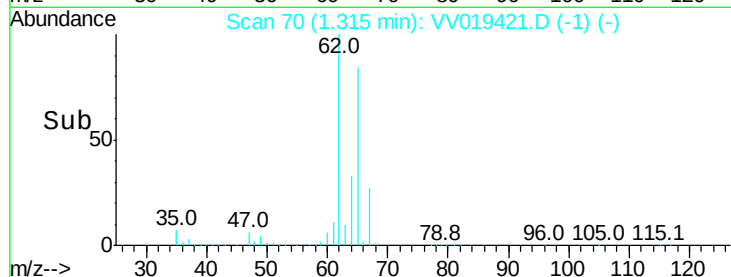
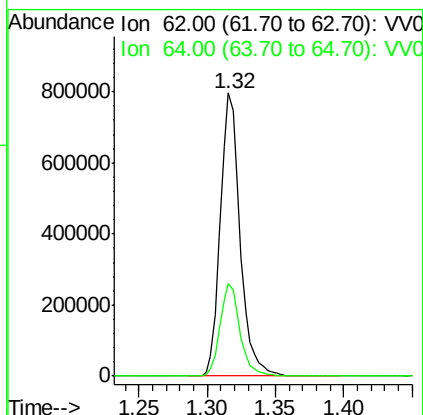
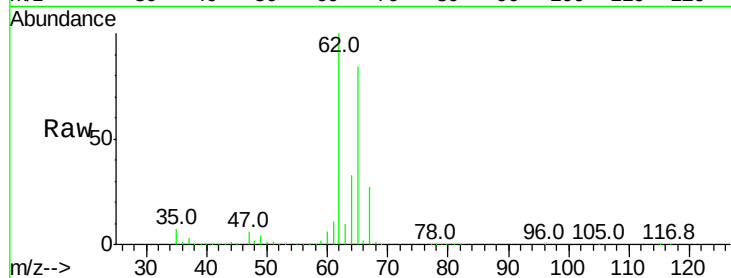
VSTD20062

Tgt Ion: 62 Resp: 802650

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



#6

Bromomethane

Concen: 237.009 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.02 min

Lab File: VV019421.D

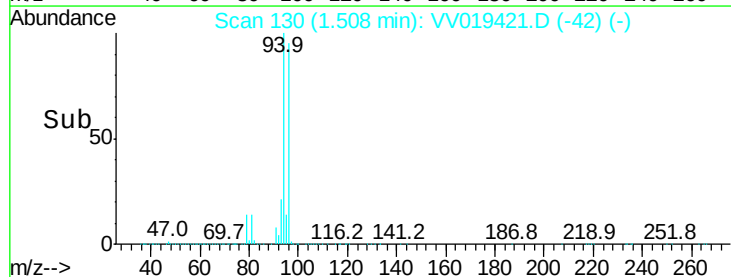
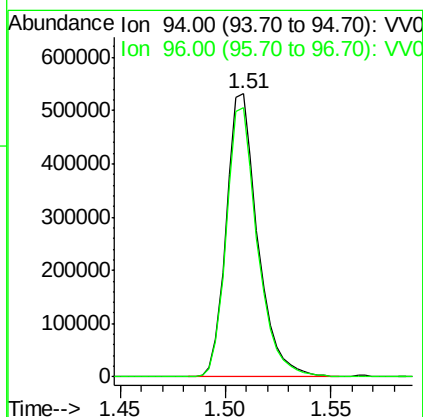
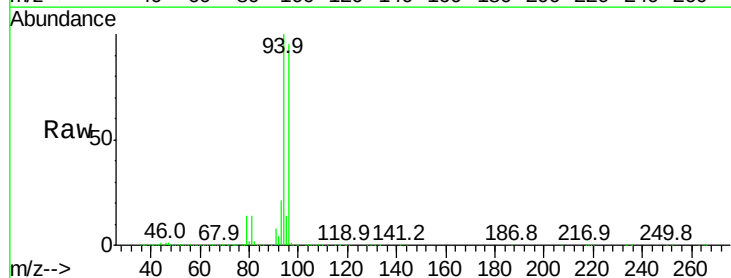
Acq: 23 Nov 2020 14:07

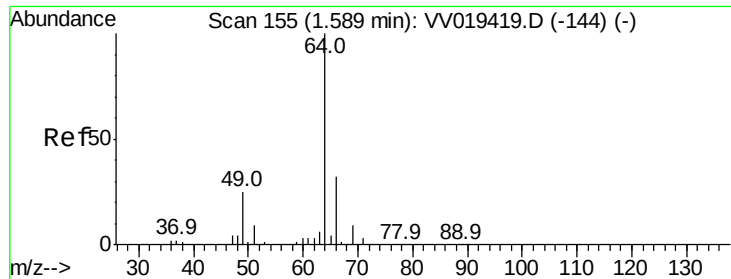
Tgt Ion: 94 Resp: 546923

Ion Ratio Lower Upper

94 100

96 95.1 65.5 121.7





#8

Chloroethane

Concen: 248.810 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.01 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

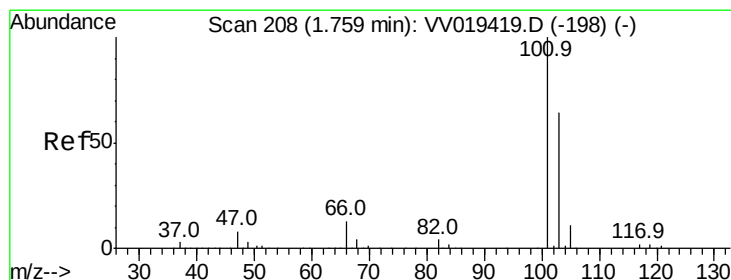
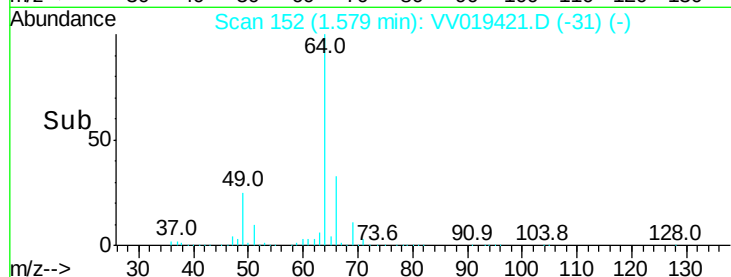
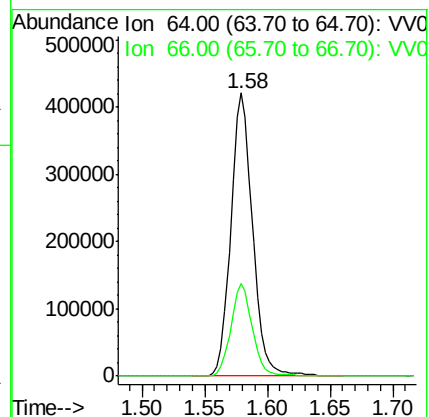
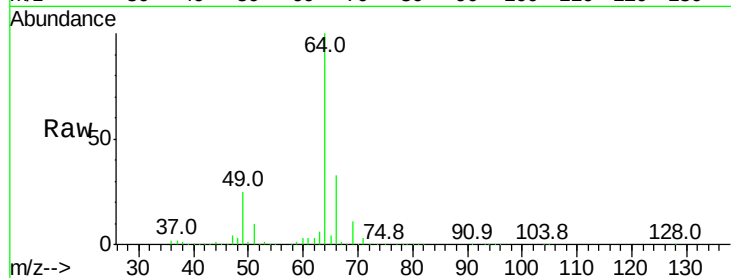
VSTD20062

Tgt Ion: 64 Resp: 506372

Ion Ratio Lower Upper

64 100

66 32.5 22.6 42.0



#9

Trichlorofluoromethane

Concen: 173.741 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV019421.D

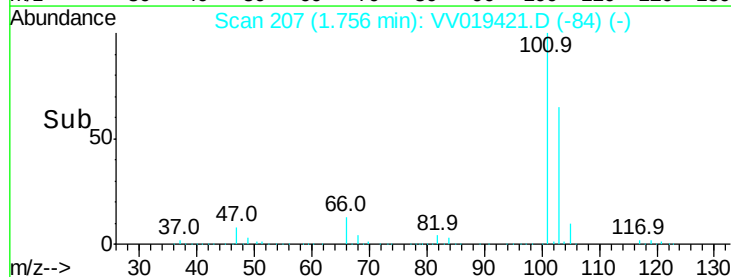
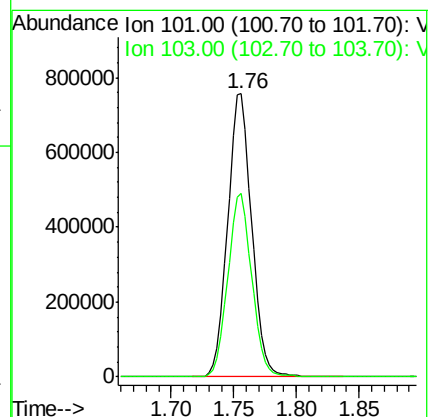
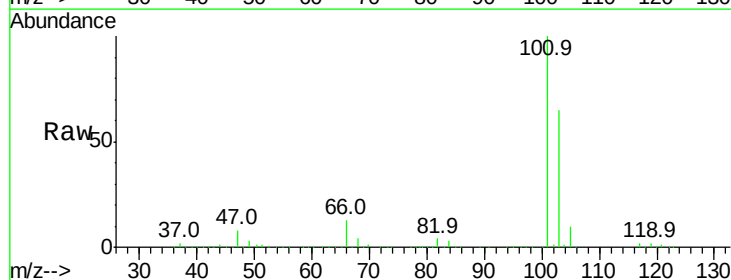
Acq: 23 Nov 2020 14:07

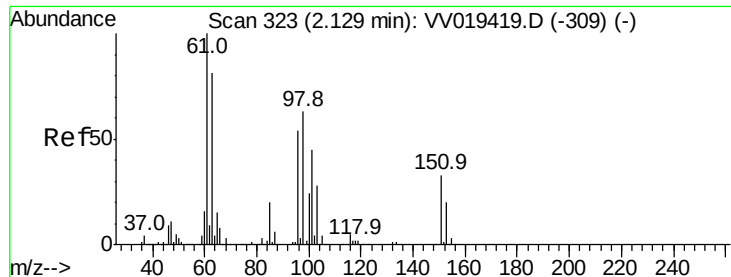
Tgt Ion: 101 Resp: 1005859

Ion Ratio Lower Upper

101 100

103 64.8 51.8 77.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 204.592 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

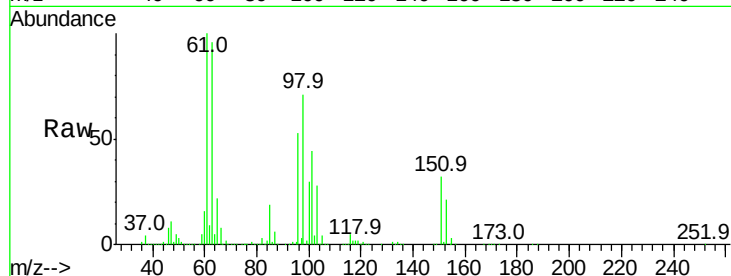
Tgt Ion:101 Resp: 539847

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

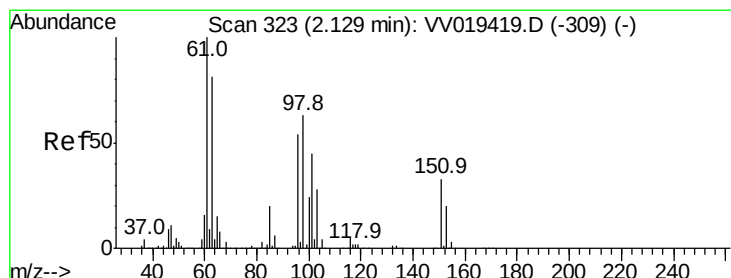
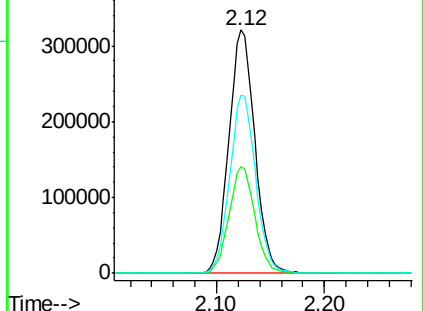
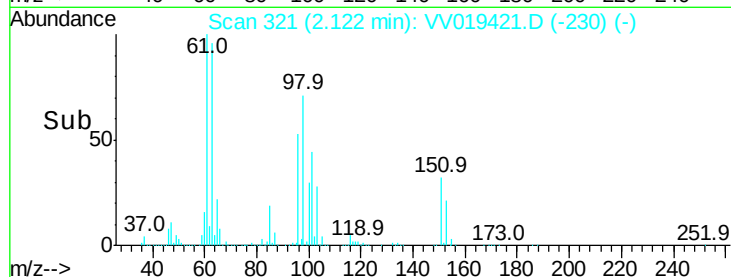
151 73.4 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): VV019421.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV019421.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV019421.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 210.562 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

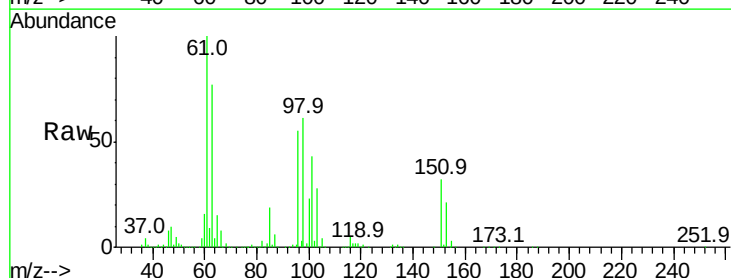
Tgt Ion: 96 Resp: 567080

Ion Ratio Lower Upper

96 100

61 181.4 130.0 241.4

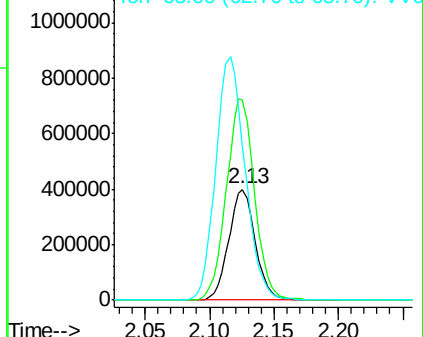
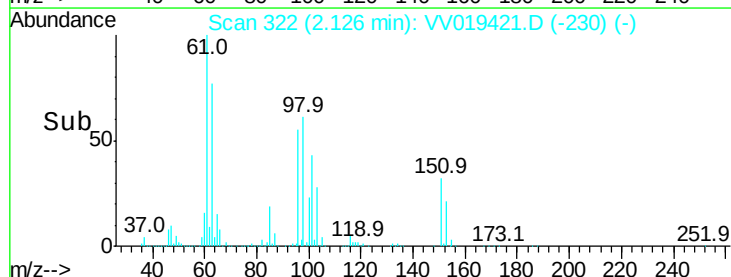
63 139.2 105.1 195.3

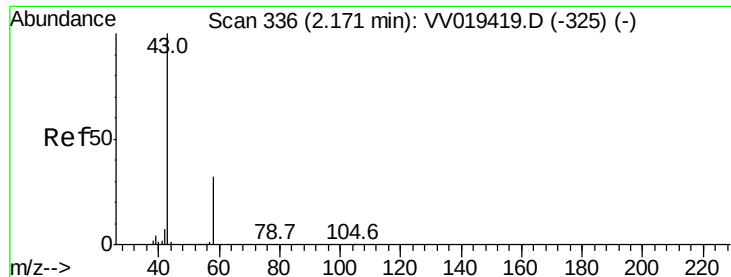


Abundance Ion 96.00 (95.70 to 96.70): VV019421.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV019421.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV019421.D (-230) (-)





#13

Acetone

Concen: 517.149 ug/L

RT: 2.17 min Scan# 336

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

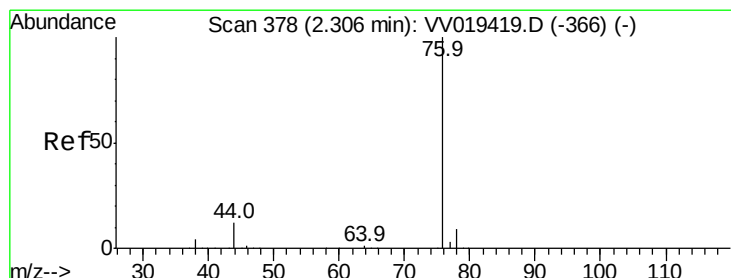
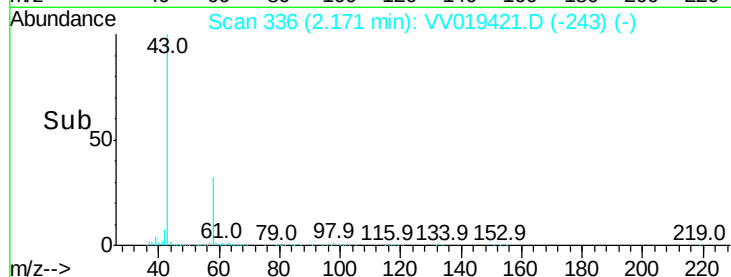
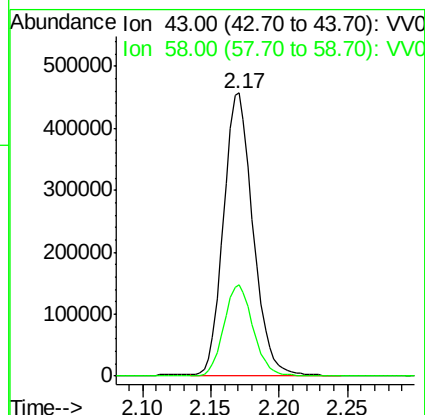
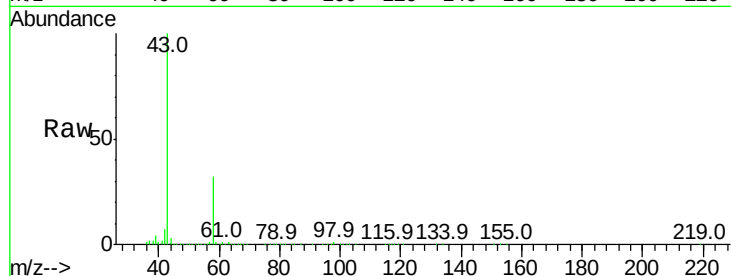
VSTD20062

Tgt Ion: 43 Resp: 684161

Ion Ratio Lower Upper

43 100

58 31.9 0.0 66.4



#14

Carbon disulfide

Concen: 223.679 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV019421.D

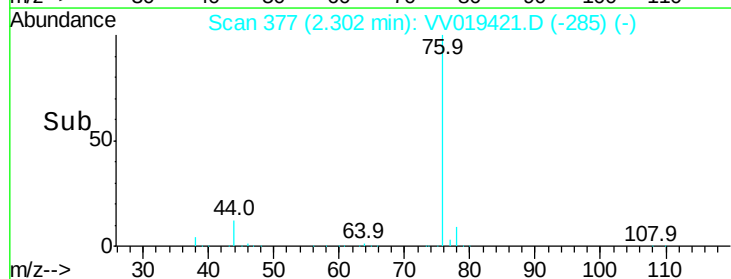
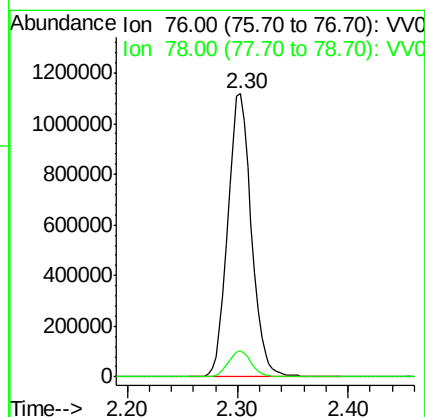
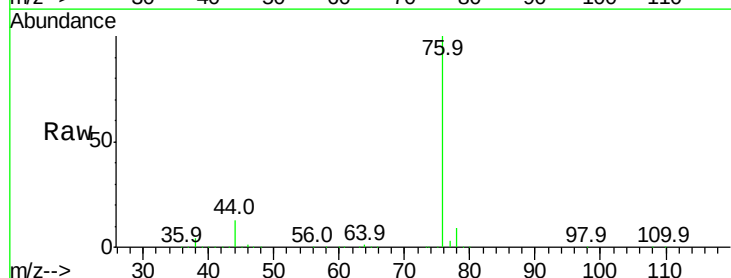
Acq: 23 Nov 2020 14:07

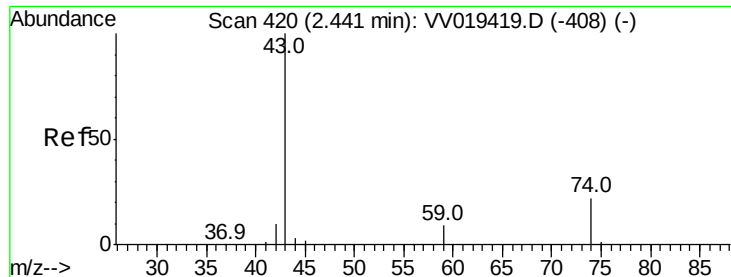
Tgt Ion: 76 Resp: 1665697

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 340.830 ug/L

RT: 2.44 min Scan# 419

Delta R.T. -0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

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ClientSampleId :

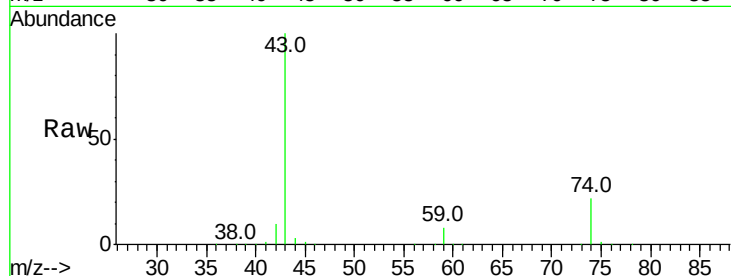
VSTD20062

Tgt Ion: 43 Resp: 761231

Ion Ratio Lower Upper

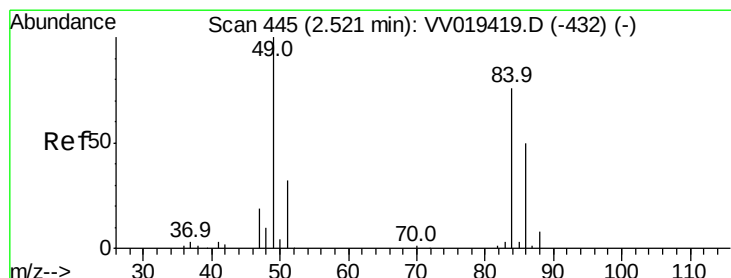
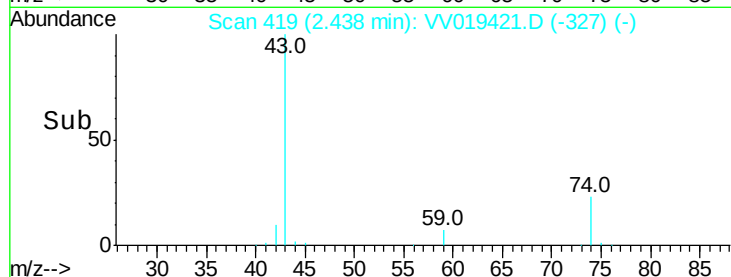
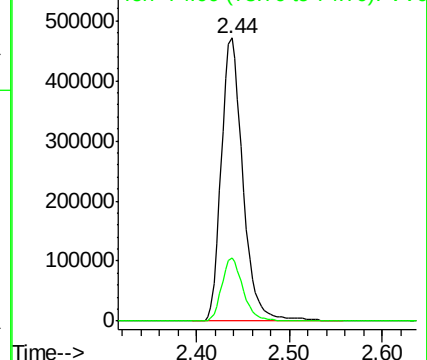
43 100

74 22.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 233.623 ug/L

RT: 2.52 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

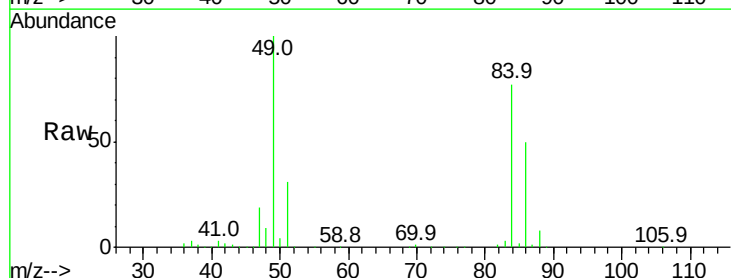
Tgt Ion: 84 Resp: 631809

Ion Ratio Lower Upper

84 100

86 64.7 45.8 85.2

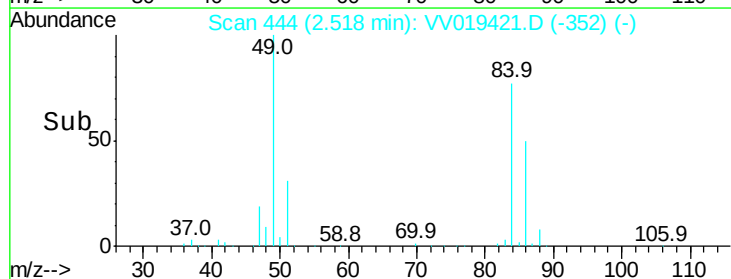
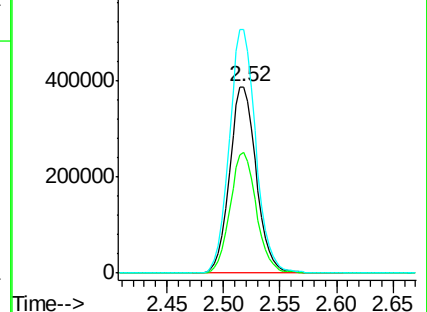
49 130.6 92.0 170.9

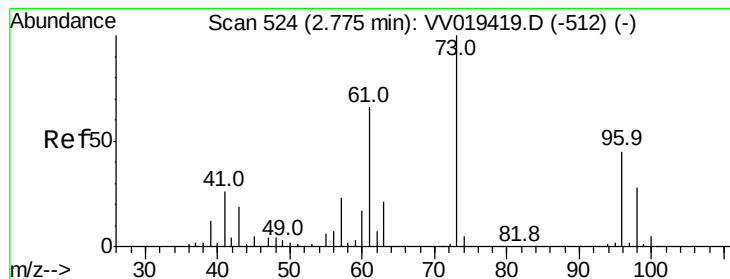


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 223.296 ug/L

RT: 2.77 min Scan# 523

Delta R.T. -0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

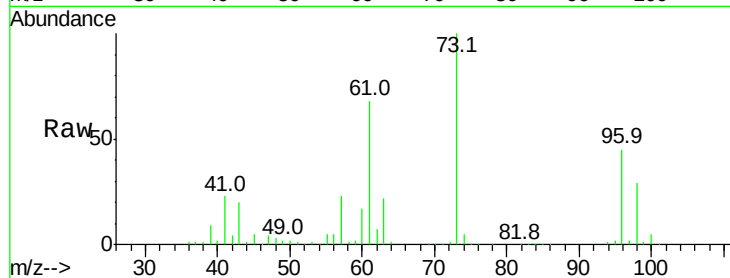
Tgt Ion: 96 Resp: 578467

Ion Ratio Lower Upper

96 100

61 150.0 103.7 192.5

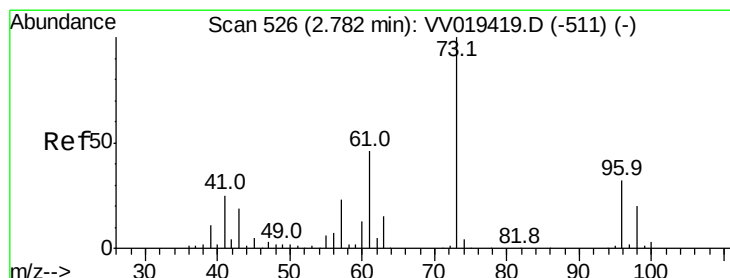
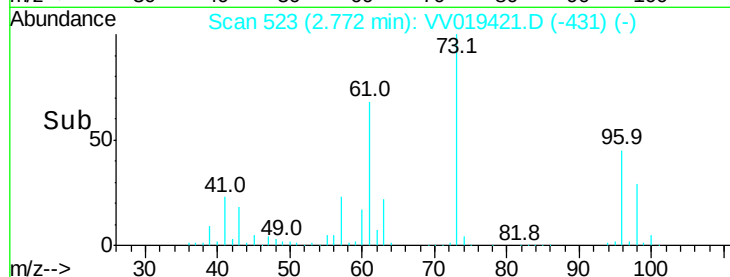
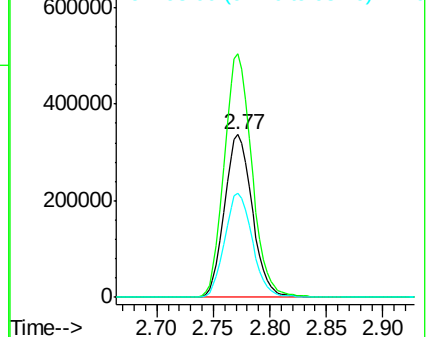
98 64.0 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 232.728 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

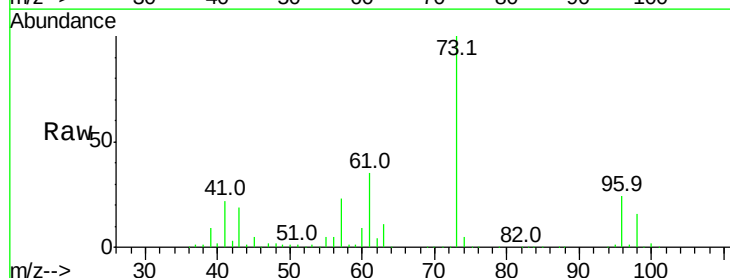
Tgt Ion: 73 Resp: 1937019

Ion Ratio Lower Upper

73 100

43 19.2 15.6 23.4

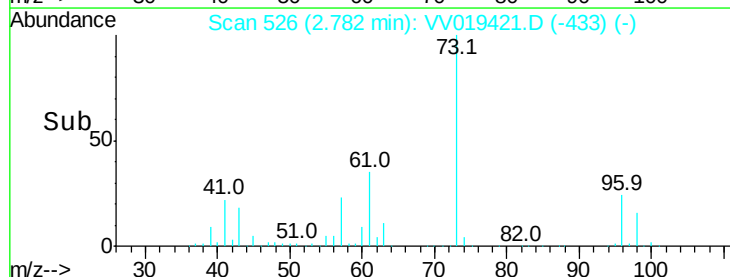
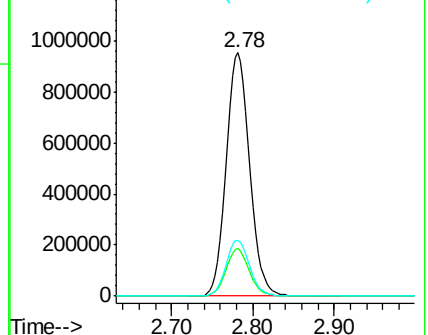
57 23.0 18.3 27.5

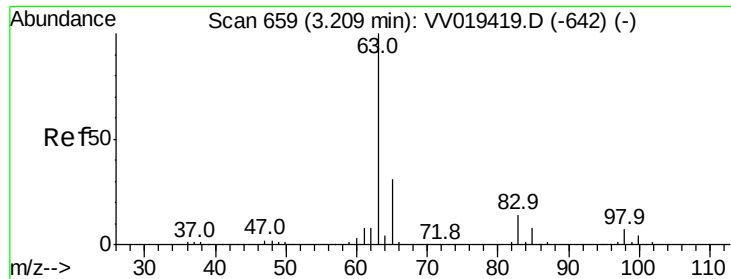


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



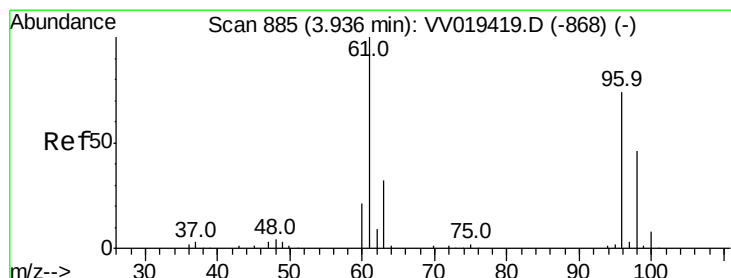
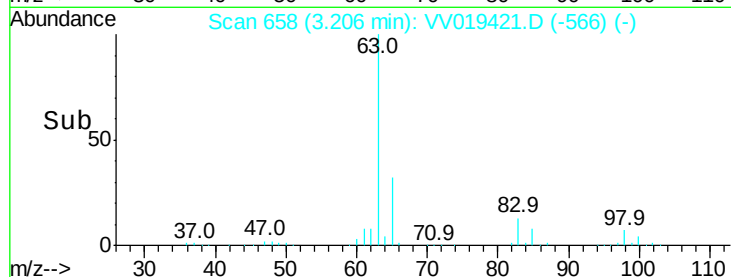
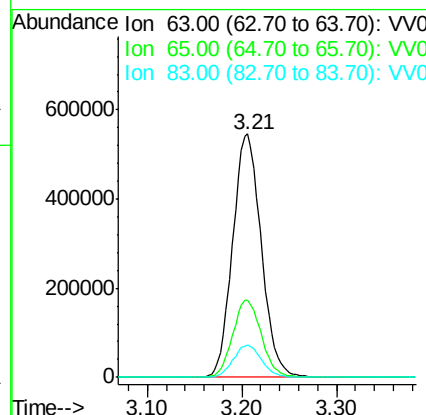
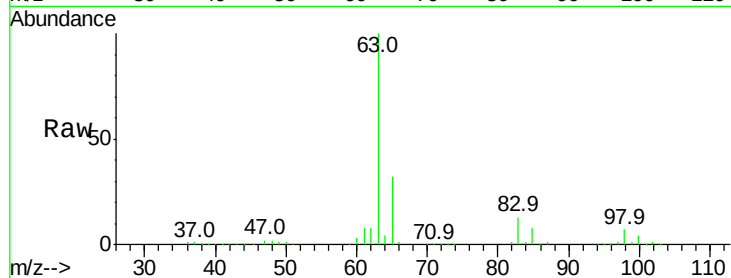


#19
 1,1-Dichloroethane
 Concen: 255.622 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV019421.D
 Acq: 23 Nov 2020 14:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

Tgt Ion: 63 Resp: 1148215

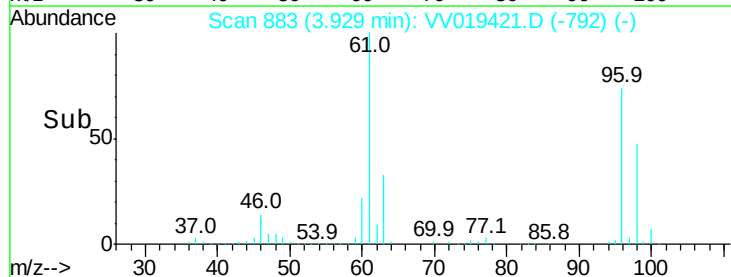
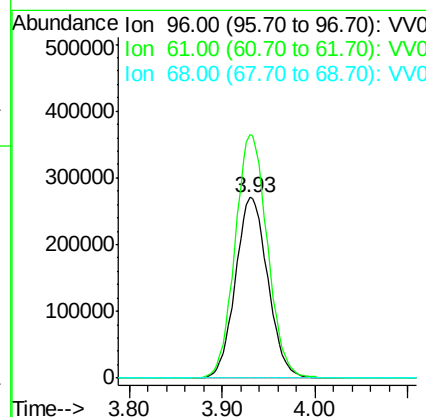
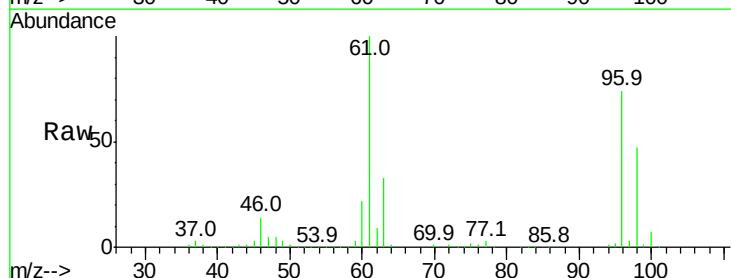
Ion	Ratio	Lower	Upper
63	100		
65	31.6	21.8	40.4
83	13.1	9.8	18.2

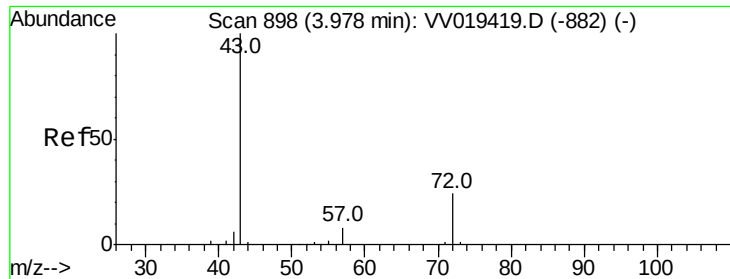


#20
 cis-1,2-Dichloroethene
 Concen: 238.660 ug/L
 RT: 3.93 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: VV019421.D
 Acq: 23 Nov 2020 14:07

Tgt Ion: 96 Resp: 654502

Ion	Ratio	Lower	Upper
96	100		
61	134.8	95.5	177.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 705.264 ug/L

RT: 3.97 min Scan# 896

Delta R.T. -0.01 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

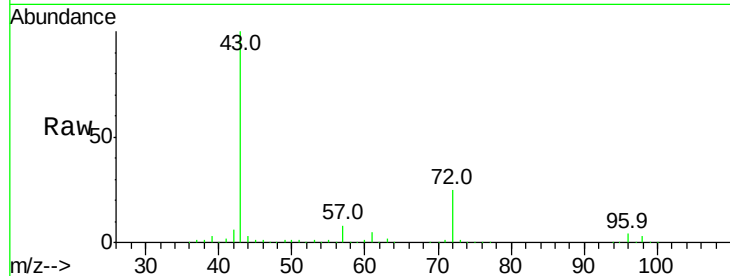
VSTD20062

Tgt Ion: 43 Resp: 1069916

Ion Ratio Lower Upper

43 100

72 26.1 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV019421.D (-896) (-)

Ion 72.00 (71.70 to 72.70): VV019421.D (-896) (-)

3.97

400000

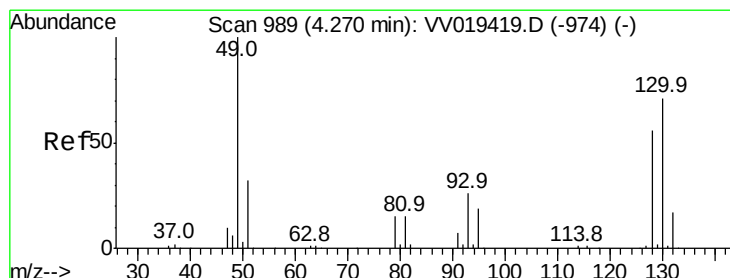
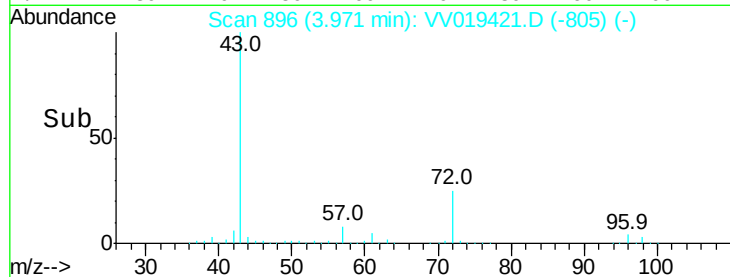
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 209.110 ug/L

RT: 4.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Tgt Ion: 128 Resp: 330722

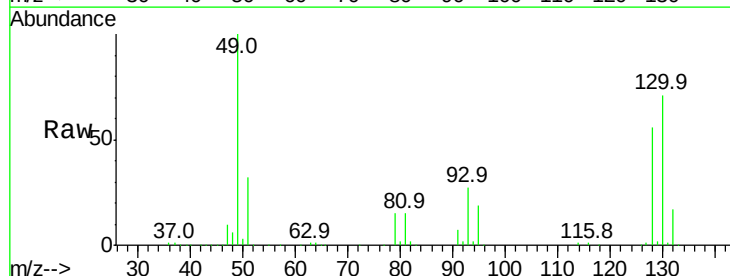
Ion Ratio Lower Upper

128 100

49 179.4 126.1 234.1

130 128.0 89.4 166.0

51 57.7 46.5 69.7



Abundance Ion 128.00 (127.70 to 128.70): VV019421.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV019421.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV019421.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV019421.D (-896) (-)

4.27

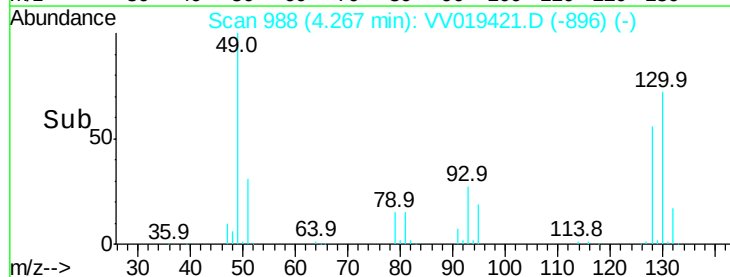
300000

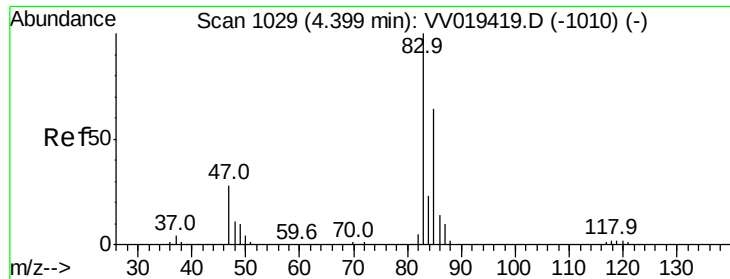
200000

100000

0

Time-->

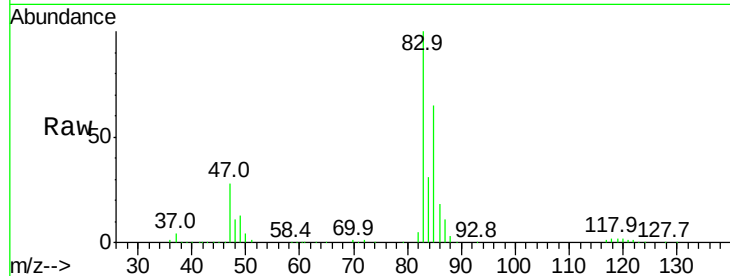




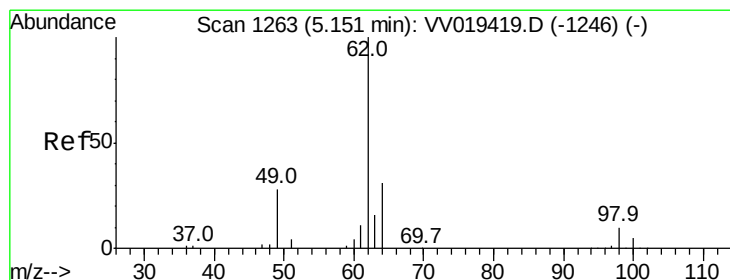
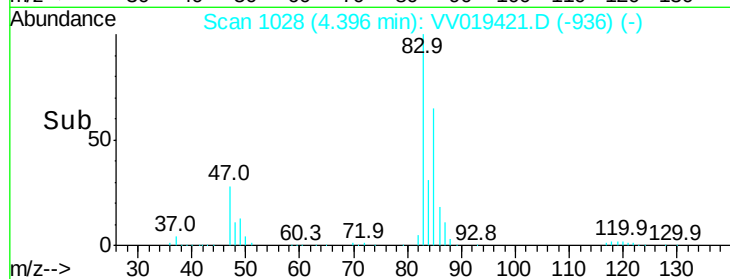
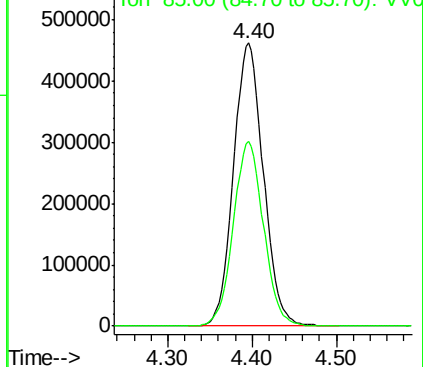
#25
Chloroform
Concen: 218.208 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV019421.D
Acq: 23 Nov 2020 14:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Tgt Ion: 83 Resp: 1140021
Ion Ratio Lower Upper
83 100
85 65.1 45.1 83.9

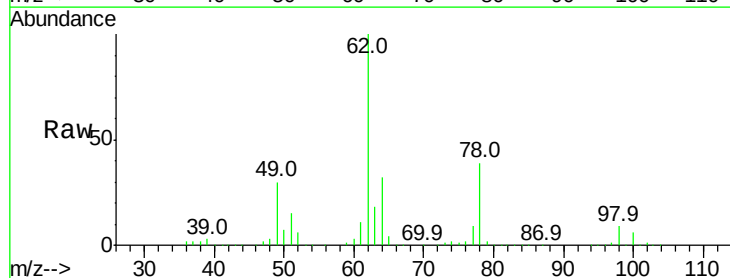


Abundance Ion 83.00 (82.70 to 83.70): VV019421.D (-936) (-)
Ion 85.00 (84.70 to 85.70): VV019421.D (-936) (-)

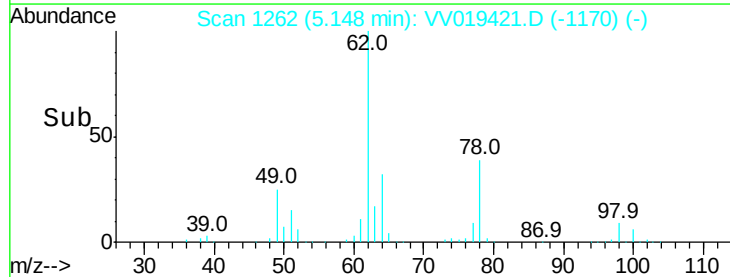
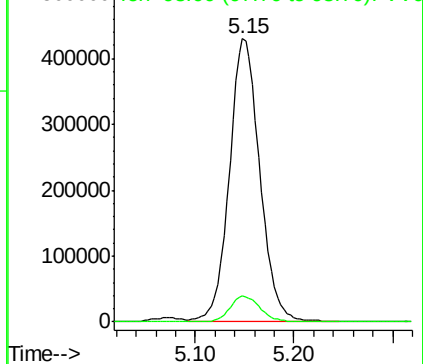


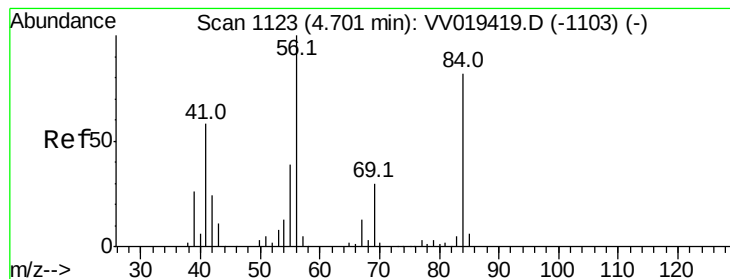
#27
1,2-Dichloroethane
Concen: 207.820 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV019421.D
Acq: 23 Nov 2020 14:07

Tgt Ion: 62 Resp: 919786
Ion Ratio Lower Upper
62 100
98 9.1 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV019421.D (-1170) (-)
Ion 98.00 (97.70 to 98.70): VV019421.D (-1170) (-)





#29

Cyclohexane

Concen: 274.200 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

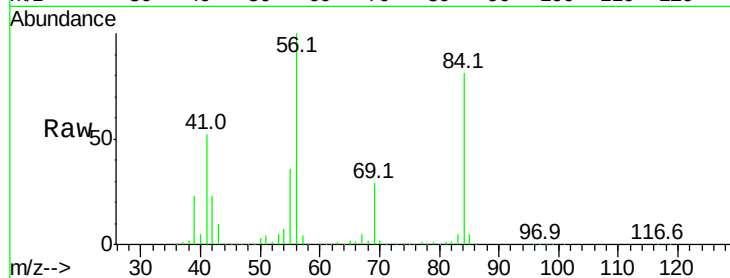
Tgt Ion: 56 Resp: 976136

Ion Ratio Lower Upper

56 100

69 29.5 23.8 35.8

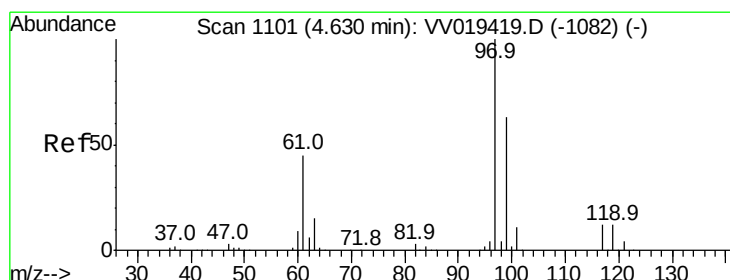
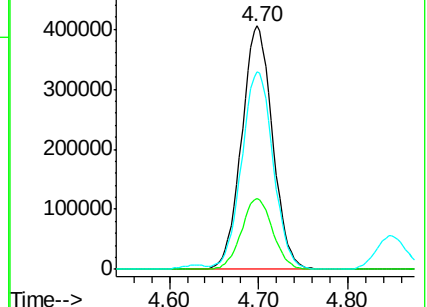
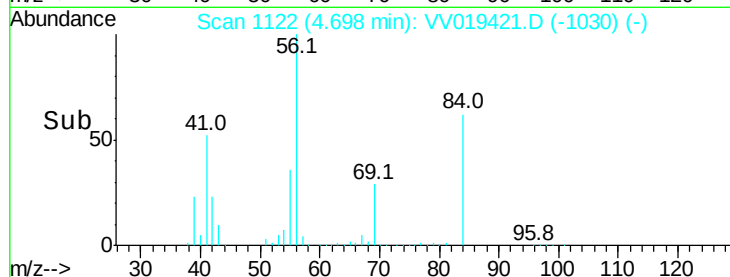
84 82.8 67.0 100.6



Abundance Ion 56.00 (55.70 to 56.70): VV019421.D (-1103) (-)

Ion 69.00 (68.70 to 69.70): VV019421.D (-1103) (-)

Ion 84.00 (83.70 to 84.70): VV019421.D (-1103) (-)



#30

1,1,1-Trichloroethane

Concen: 181.345 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

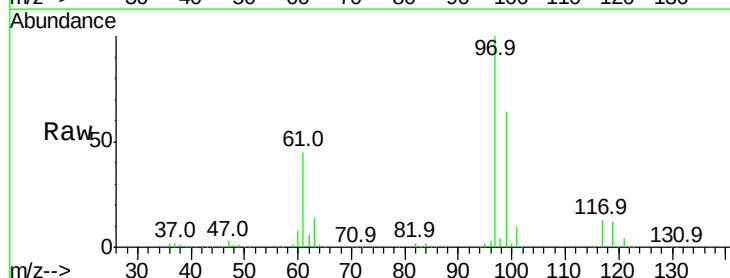
Tgt Ion: 97 Resp: 981178

Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.6

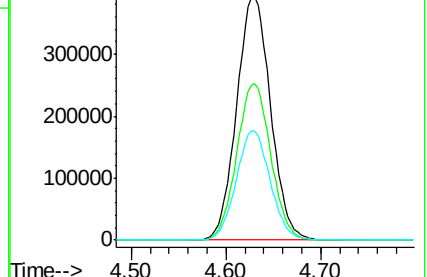
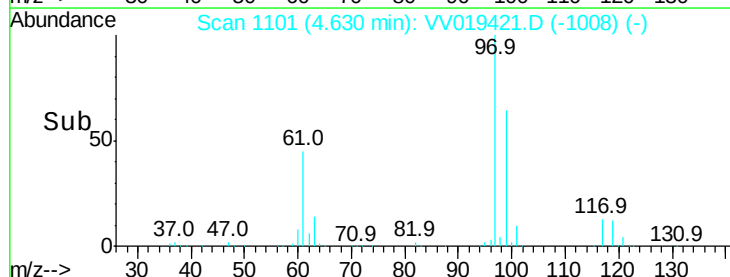
61 45.1 36.9 55.3

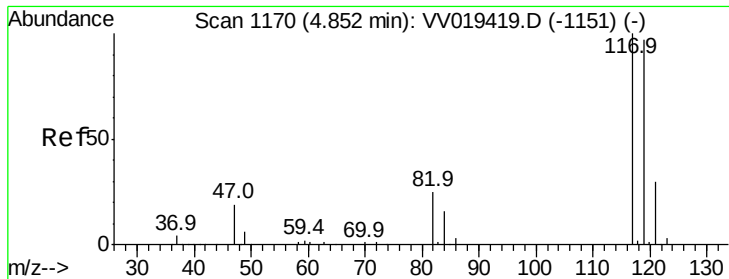


Abundance Ion 97.00 (96.70 to 97.70): VV019421.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV019421.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV019421.D (-1082) (-)



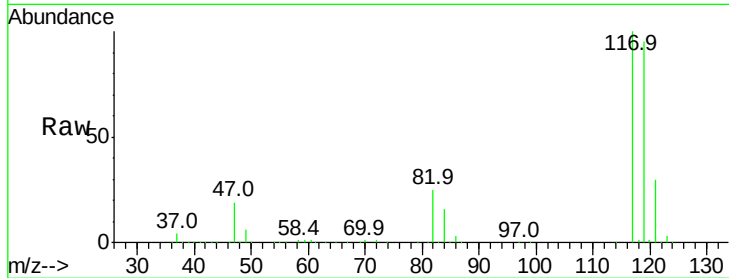


#31

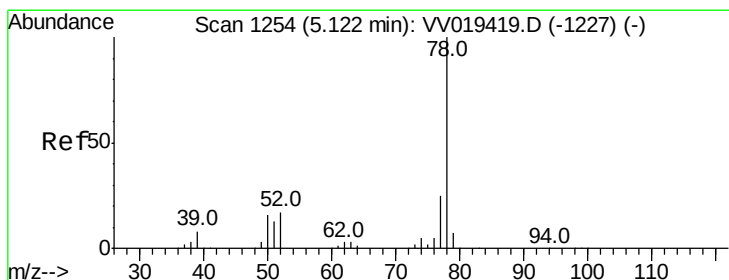
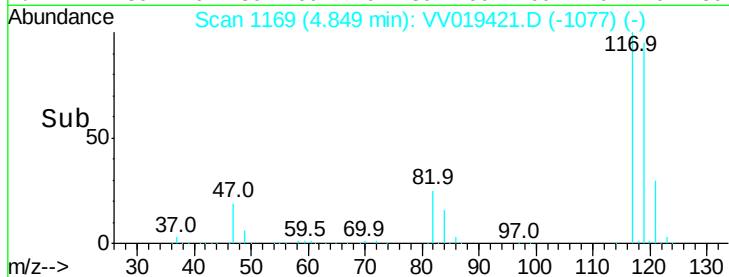
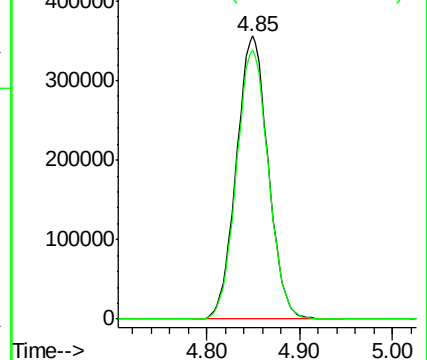
Carbon tetrachloride
Concen: 173.431 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VV019421.D
Acq: 23 Nov 2020 14:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Tgt Ion:117 Resp: 845029
Ion Ratio Lower Upper
117 100
119 95.9 76.2 114.4



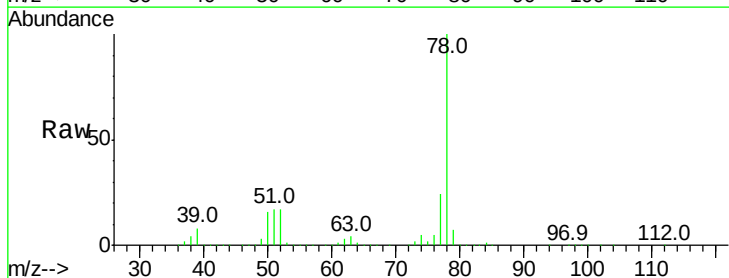
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



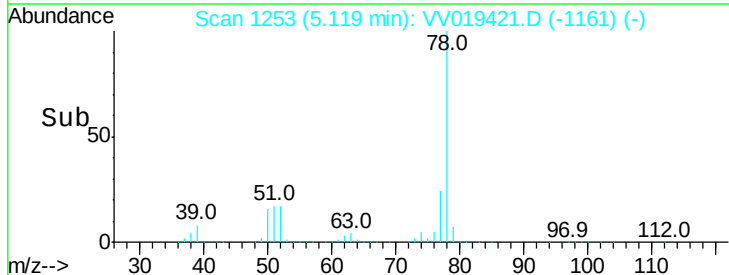
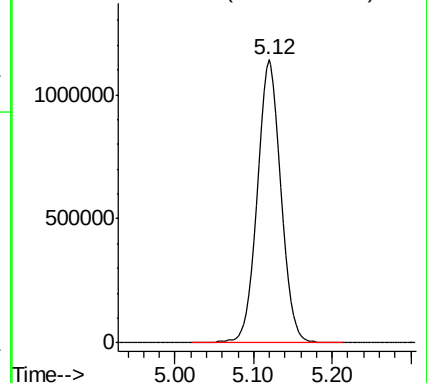
#33

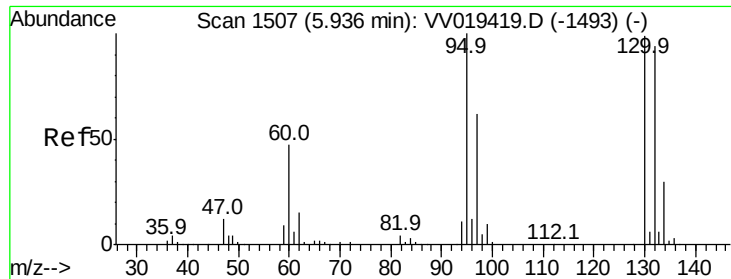
Benzene
Concen: 236.917 ug/L
RT: 5.12 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VV019421.D
Acq: 23 Nov 2020 14:07

Tgt Ion: 78 Resp: 2461641



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 204.012 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

Tgt Ion: 95 Resp: 639308

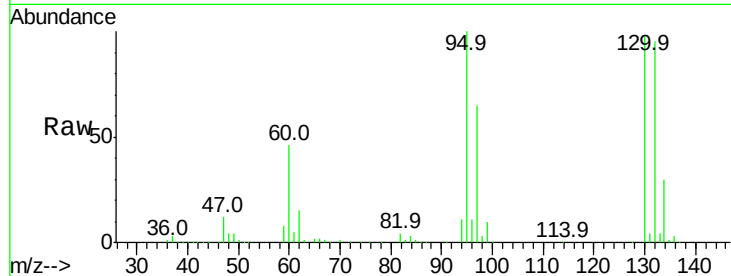
Ion Ratio Lower Upper

95 100

97 64.7 43.8 81.3

132 94.8 65.6 121.8

130 98.1 69.2 128.6

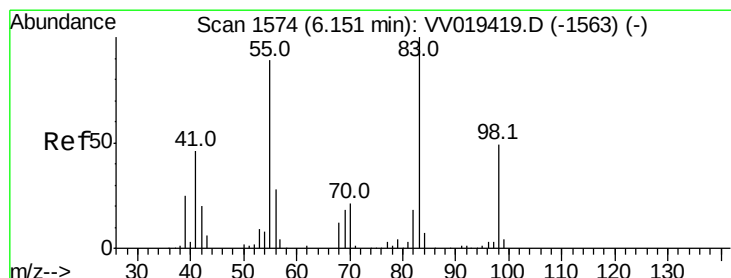
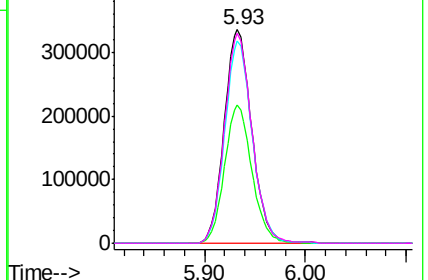
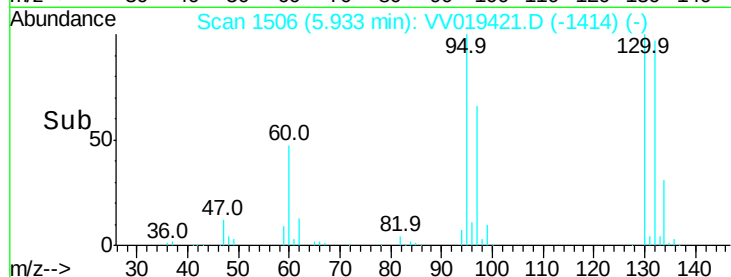


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 230.179 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

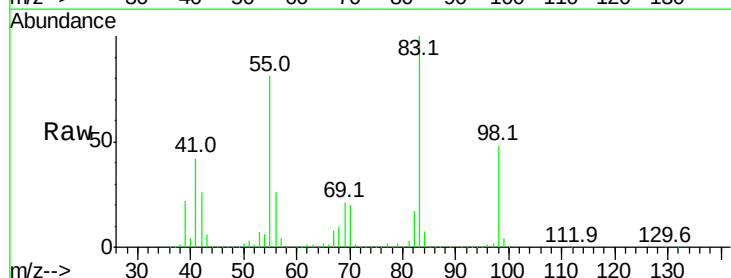
Tgt Ion: 83 Resp: 891425

Ion Ratio Lower Upper

83 100

55 80.3 67.4 101.2

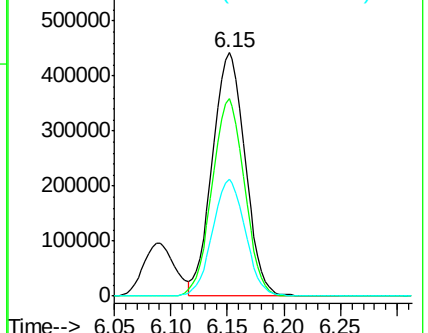
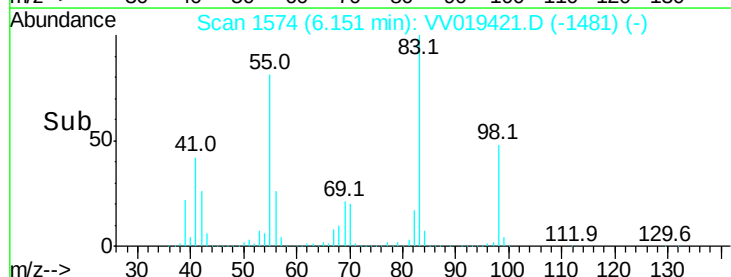
98 47.9 38.3 57.5

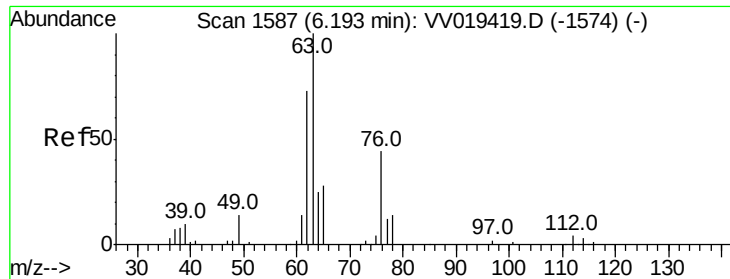


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 270.571 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

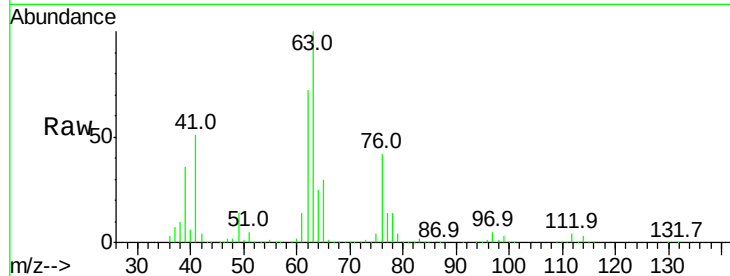
VSTD20062

Tgt Ion: 63 Resp: 683269

Ion Ratio Lower Upper

63 100

112 4.2 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV019421.D (-1599) (-)

Ion 112.00 (111.70 to 112.70): VV019421.D (-1599) (-)

6.19

400000

300000

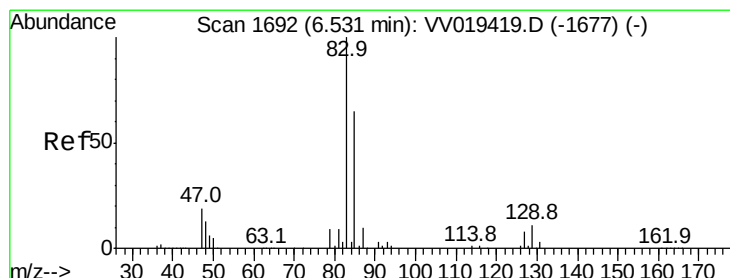
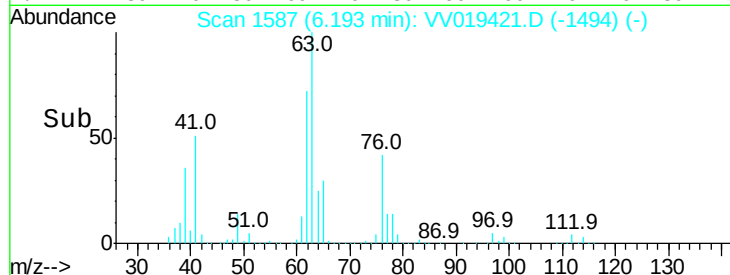
200000

100000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 217.360 ug/L

RT: 6.53 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

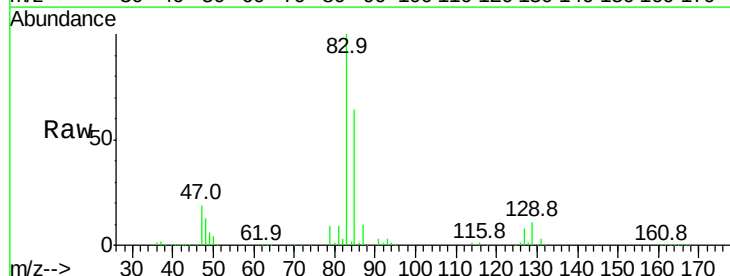
Tgt Ion: 83 Resp: 892236

Ion Ratio Lower Upper

83 100

85 64.1 45.3 84.1

127 8.4 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VV019421.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV019421.D (-1599) (-)

Ion 127.00 (126.70 to 127.70): VV019421.D (-1599) (-)

6.53

600000

500000

400000

300000

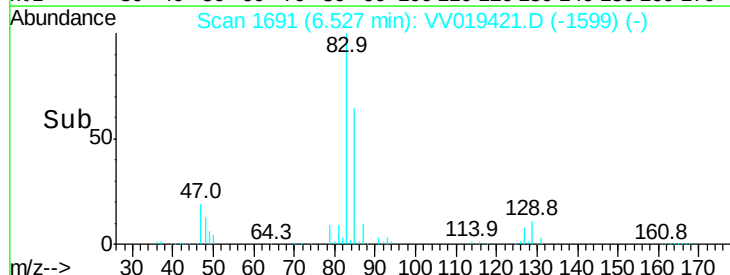
200000

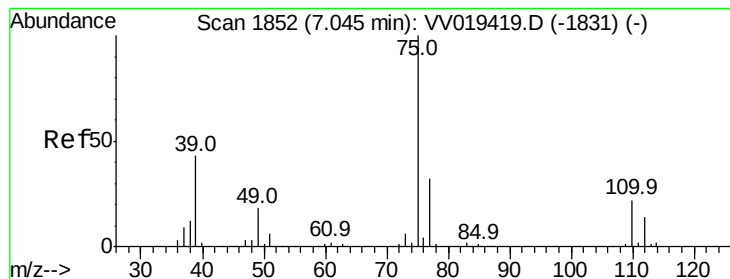
100000

0

6.40 6.50 6.60

Time-->



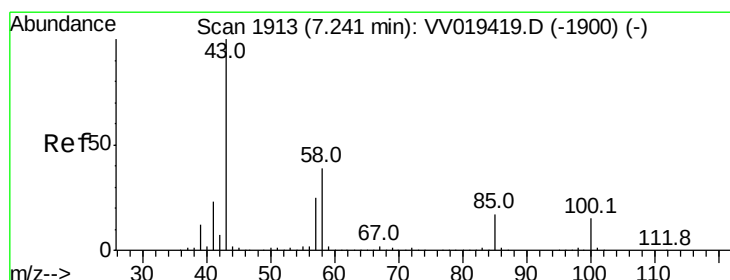
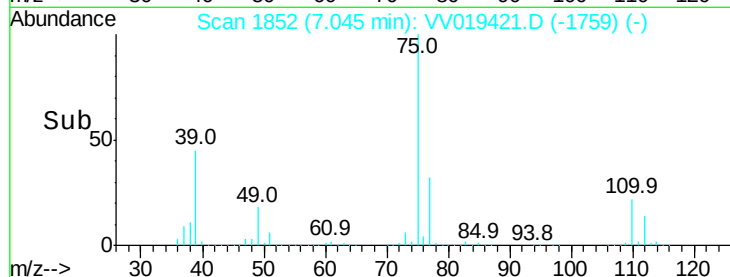
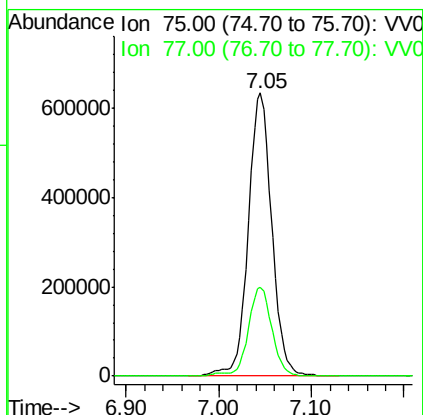
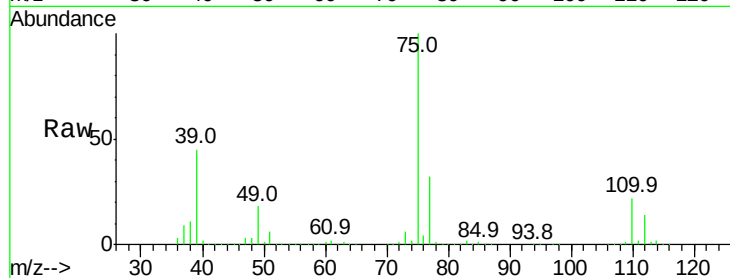


#39

cis-1,3-Dichloropropene
Concen: 257.545 ug/L
RT: 7.05 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VV019421.D
Acq: 23 Nov 2020 14:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

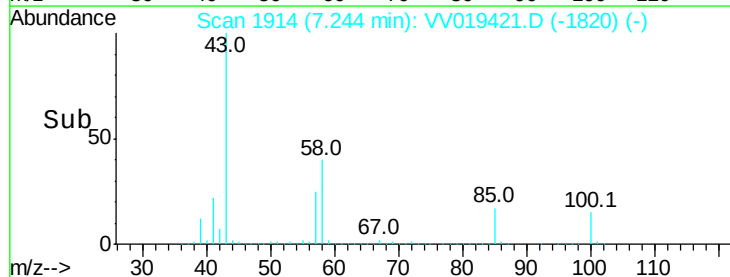
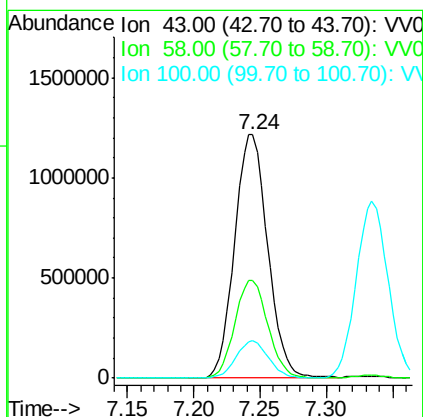
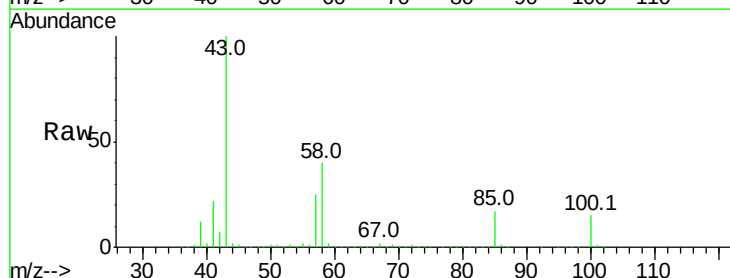
Tgt Ion: 75 Resp: 1115048
Ion Ratio Lower Upper
75 100
77 31.6 22.5 41.7

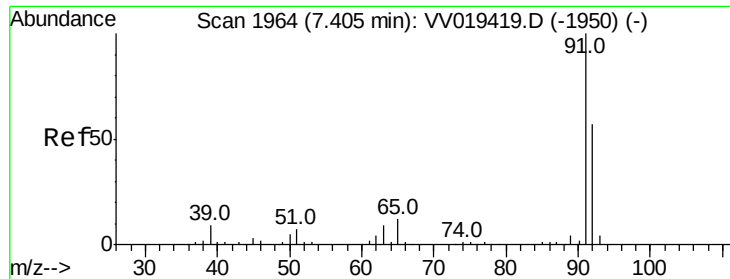


#40

4-Methyl-2-pentanone
Concen: 662.602 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV019421.D
Acq: 23 Nov 2020 14:07

Tgt Ion: 43 Resp: 2111308
Ion Ratio Lower Upper
43 100
58 40.2 31.0 46.4
100 15.0 11.7 17.5





#42

Toluene

Concen: 226.499 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

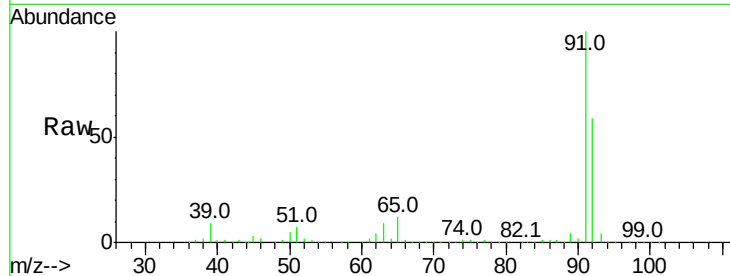
VSTD20062

Tgt Ion: 91 Resp: 2647315

Ion Ratio Lower Upper

91 100

92 58.7 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

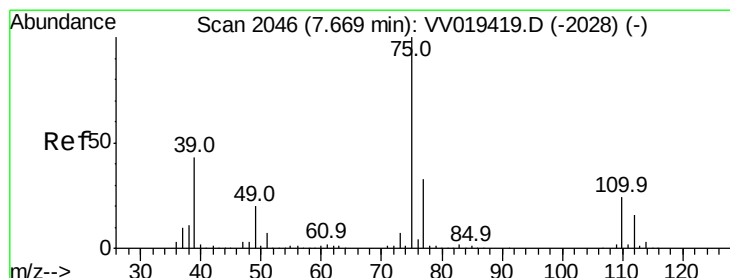
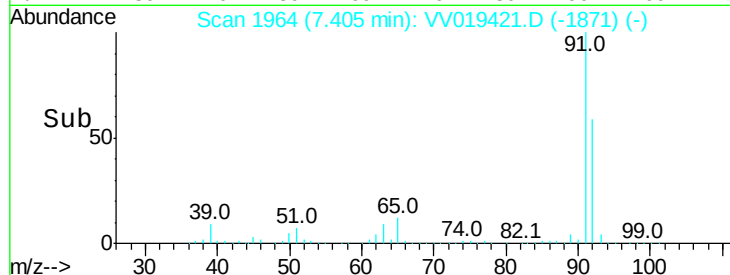
1500000

1000000

500000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 239.594 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VV019421.D

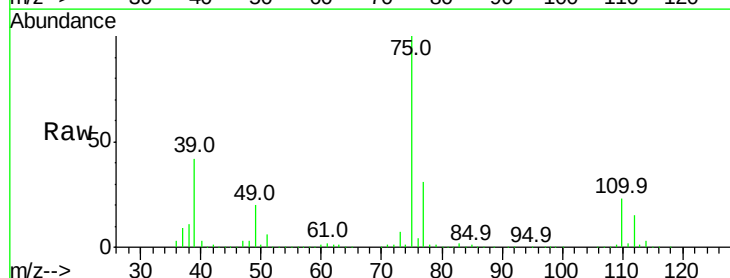
Acq: 23 Nov 2020 14:07

Tgt Ion: 75 Resp: 1104902

Ion Ratio Lower Upper

75 100

77 30.9 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

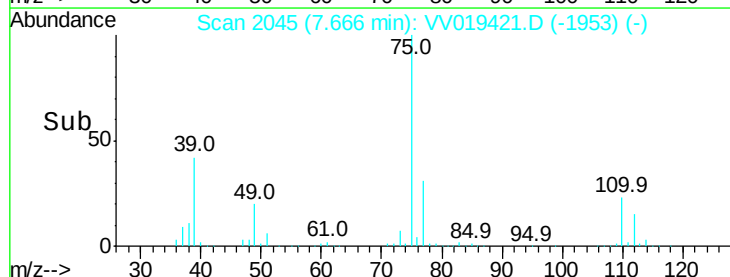
600000

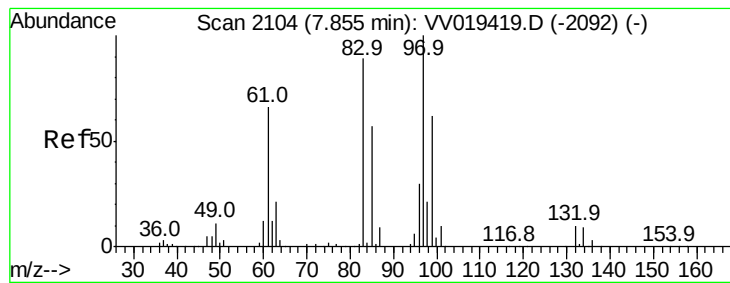
400000

200000

0

Time--> 7.60 7.65 7.70 7.75 7.80





#45

1,1,2-Trichloroethane

Concen: 231.728 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

Tgt Ion: 97 Resp: 634746

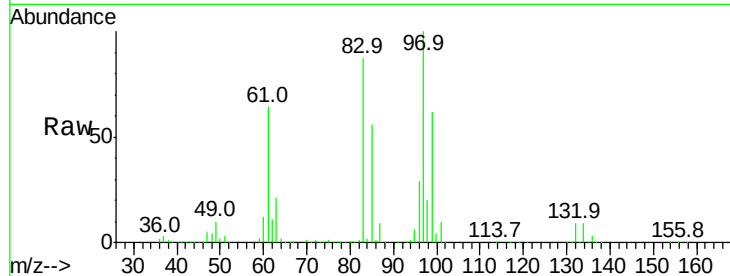
Ion Ratio Lower Upper

97 100

99 62.3 43.7 81.1

83 87.4 62.0 115.2

85 56.0 40.0 74.4

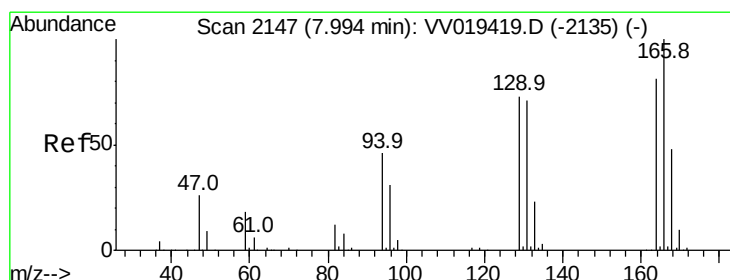
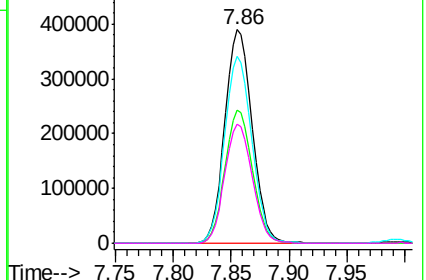
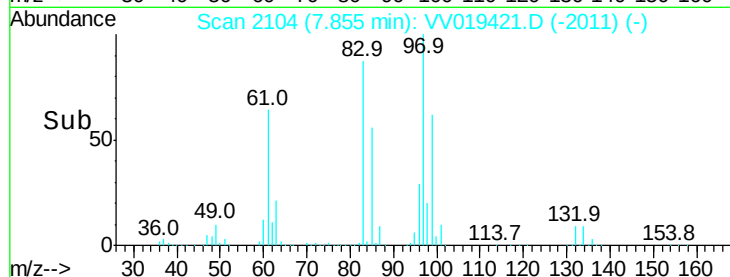


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 172.395 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Tgt Ion: 164 Resp: 475867

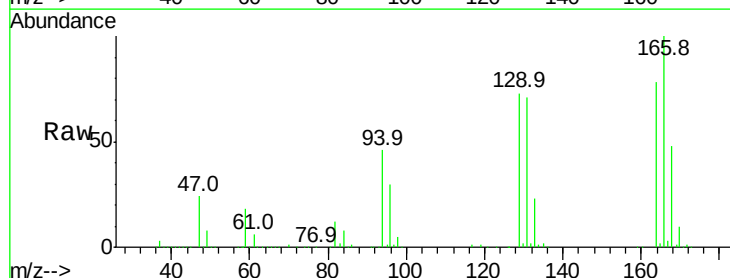
Ion Ratio Lower Upper

164 100

129 93.2 62.9 116.7

131 90.0 61.1 113.5

166 127.7 86.5 160.6

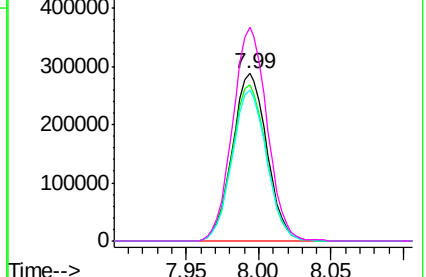
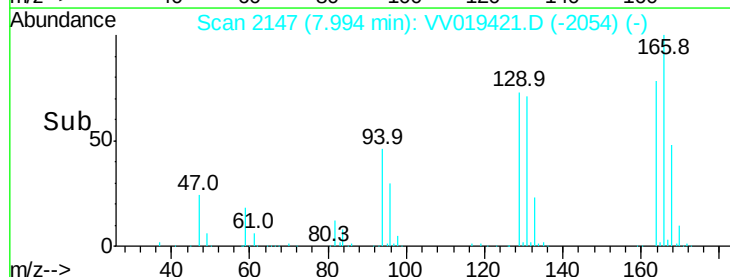


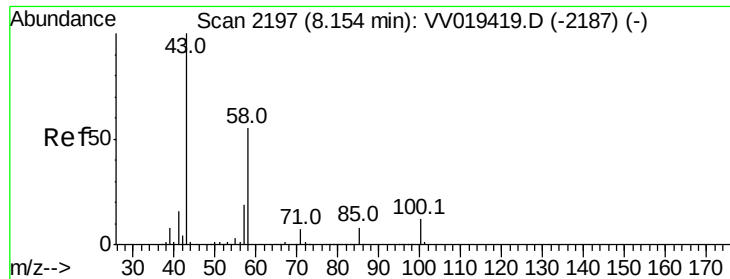
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



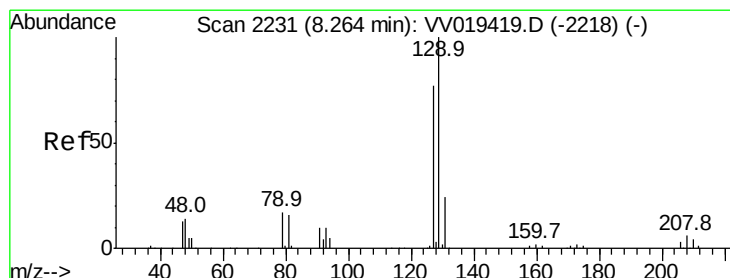
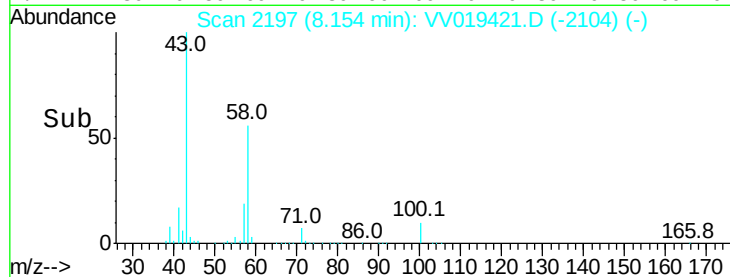
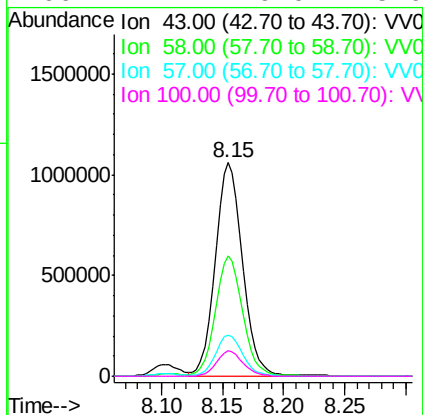
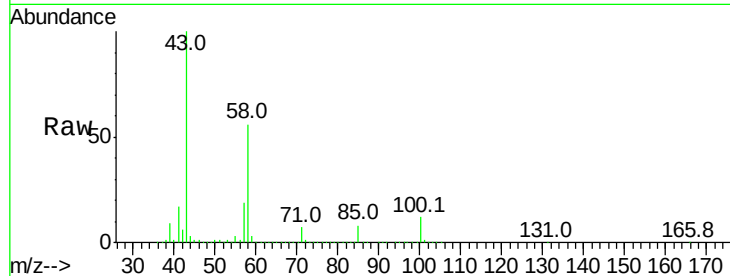


#48
2-Hexanone
Concen: 663.423 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV019421.D
Acq: 23 Nov 2020 14:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

Tgt Ion: 43 Resp: 1656703

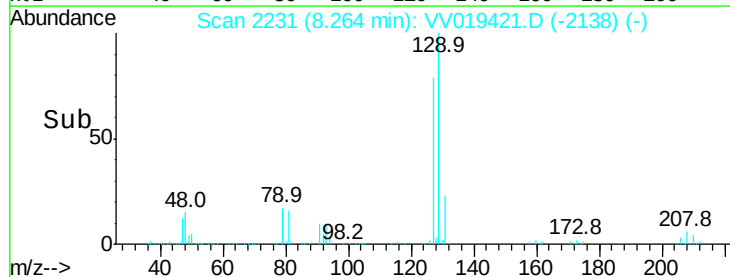
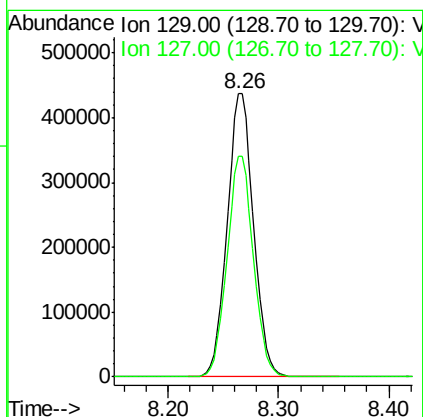
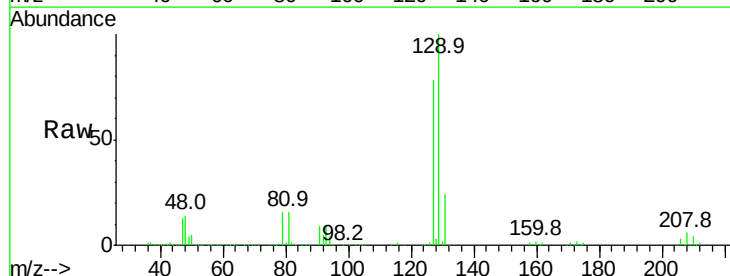
Ion	Ratio	Lower	Upper
43	100		
58	56.3	43.8	65.6
57	19.5	15.4	23.2
100	11.7	9.0	13.6

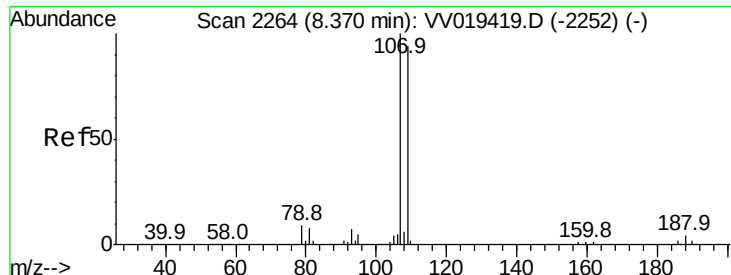


#49
Dibromochloromethane
Concen: 205.427 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV019421.D
Acq: 23 Nov 2020 14:07

Tgt Ion: 129 Resp: 722144

Ion	Ratio	Lower	Upper
129	100		
127	78.2	53.5	99.5

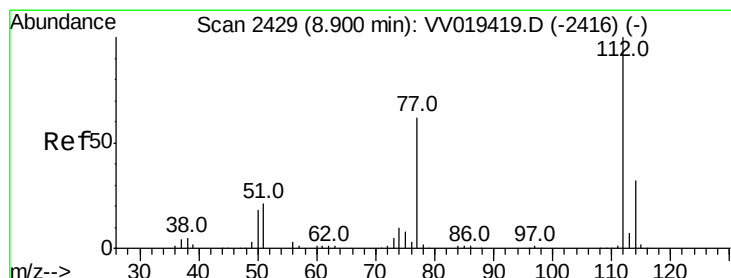
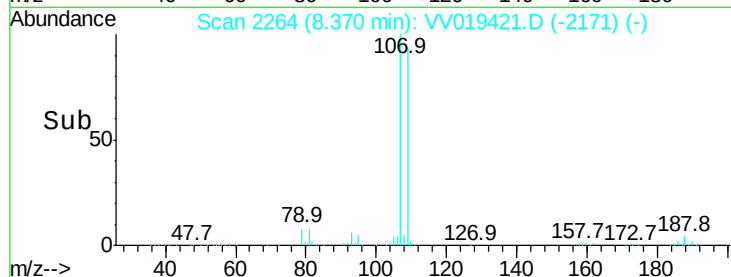
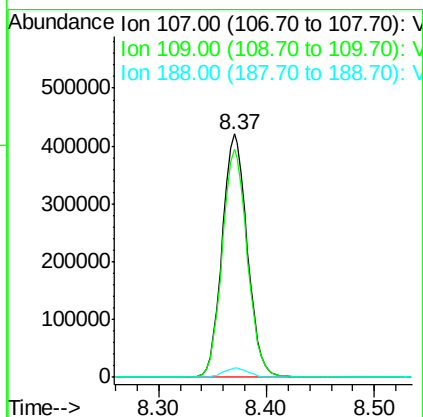
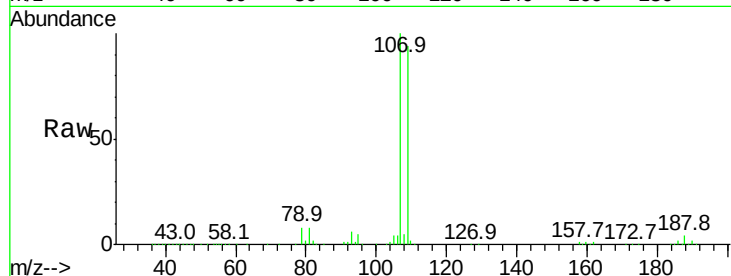




#50
1,2-Dibromoethane
Concen: 227.103 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV019421.D
Acq: 23 Nov 2020 14:07

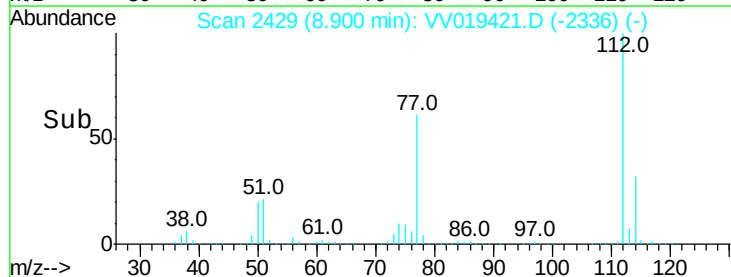
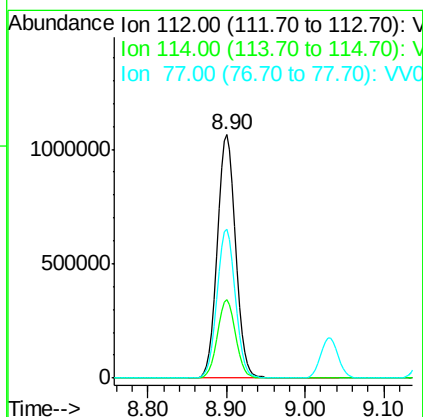
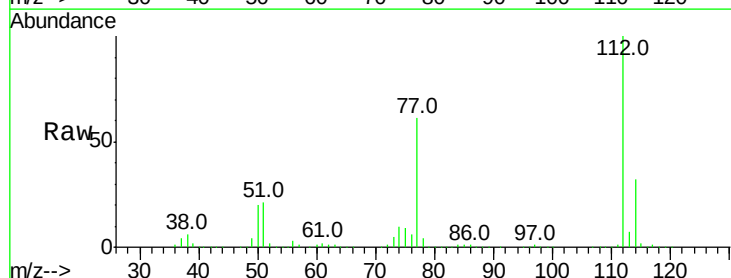
Instrument :
MSVOA_V
ClientSampleId :
VSTD20062

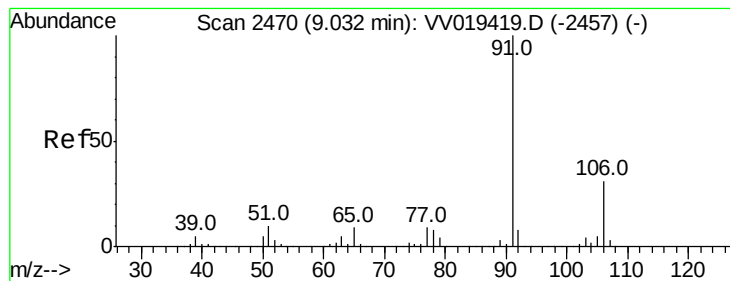
Tgt Ion:107 Resp: 680593
Ion Ratio Lower Upper
107 100
109 93.6 66.1 122.8
188 3.7 3.0 4.4



#51
Chlorobenzene
Concen: 211.522 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019421.D
Acq: 23 Nov 2020 14:07

Tgt Ion:112 Resp: 1700185
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.1
77 61.2 50.3 75.5





#52

Ethylbenzene

Concen: 228.577 ug/L

RT: 9.03 min Scan# 2469

Delta R.T. -0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

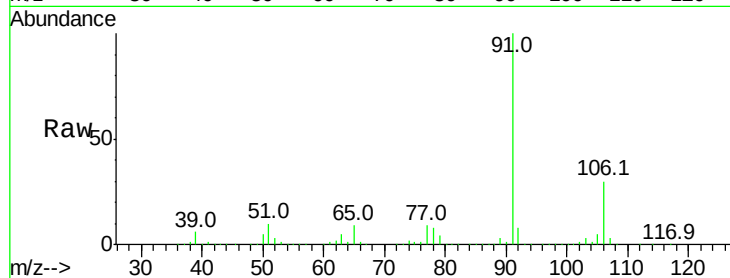
VSTD20062

Tgt Ion: 91 Resp: 2987804

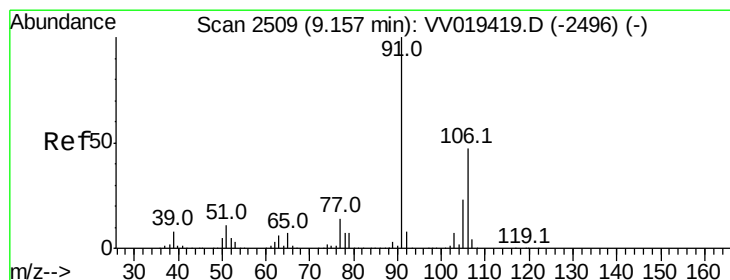
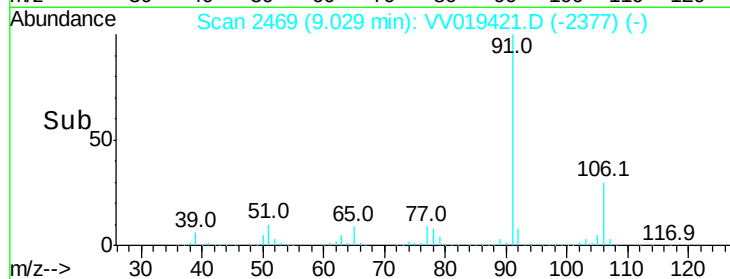
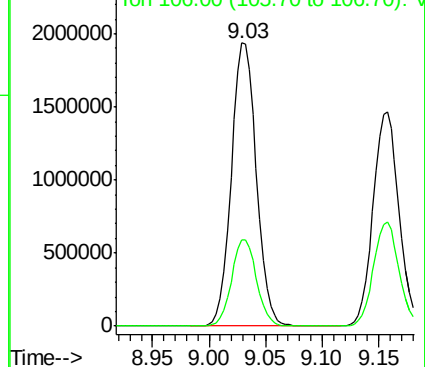
Ion Ratio Lower Upper

91 100

106 30.4 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV019421.D (-2469) (-)



#53

m,p-Xylene

Concen: 221.493 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019421.D

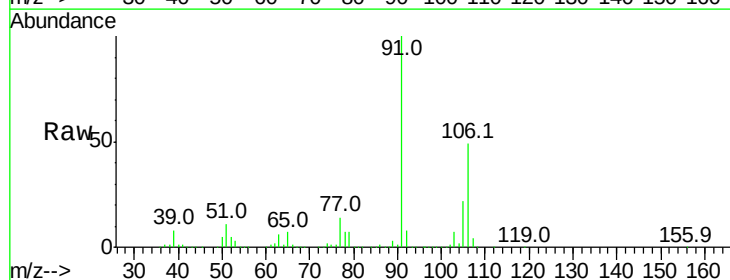
Acq: 23 Nov 2020 14:07

Tgt Ion: 106 Resp: 1121108

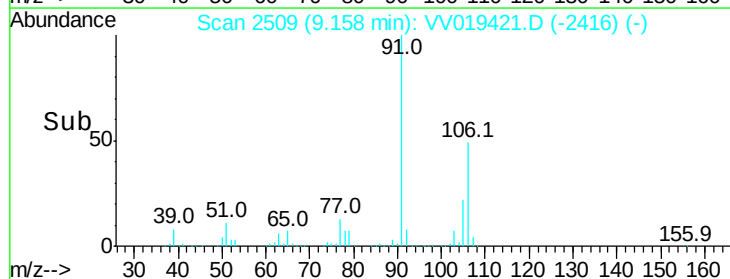
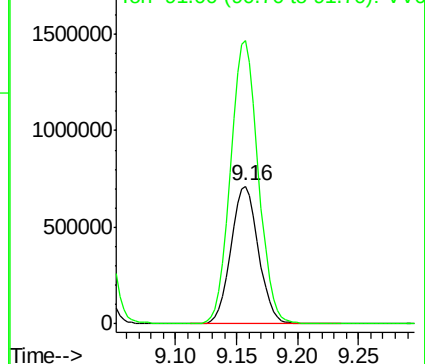
Ion Ratio Lower Upper

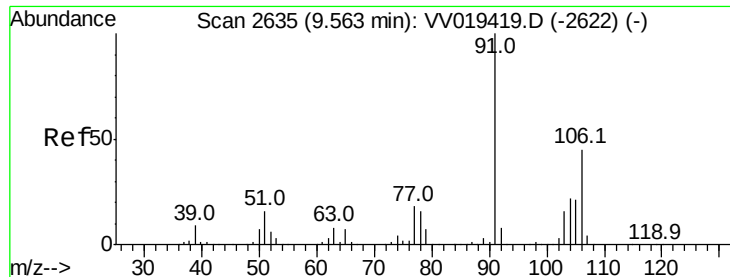
106 100

91 205.5 148.7 276.3



Abundance Ion 106.00 (105.70 to 106.70): VV019421.D (-2509) (-)





#54

o-xylene

Concen: 228.408 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

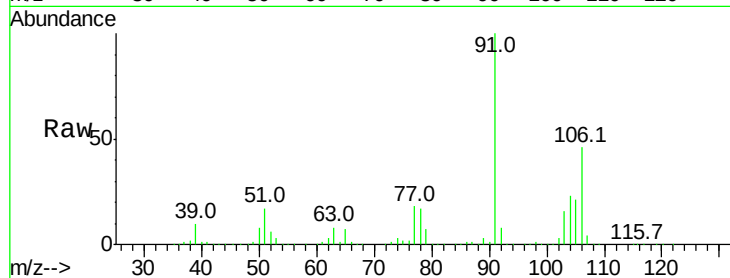
VSTD20062

Tgt Ion:106 Resp: 1118014

Ion Ratio Lower Upper

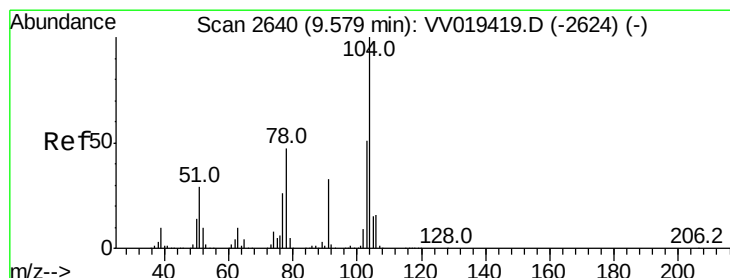
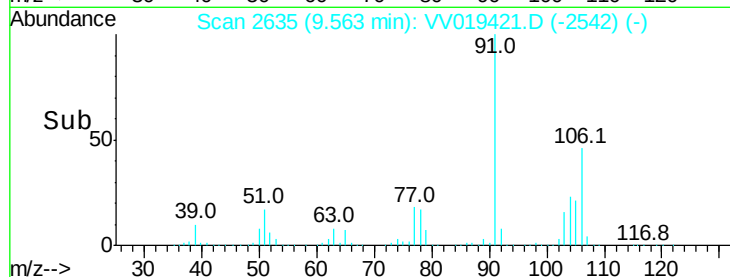
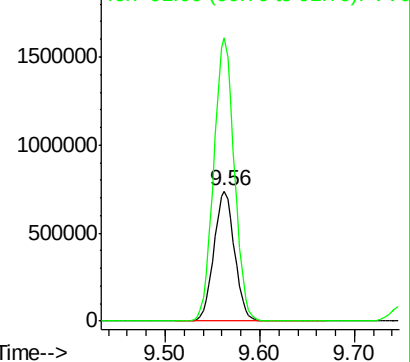
106 100

91 217.4 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 231.968 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019421.D

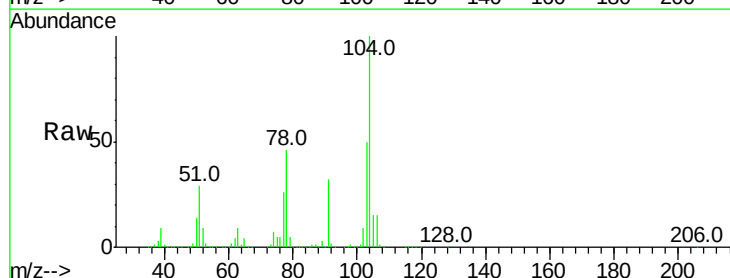
Acq: 23 Nov 2020 14:07

Tgt Ion:104 Resp: 2007999

Ion Ratio Lower Upper

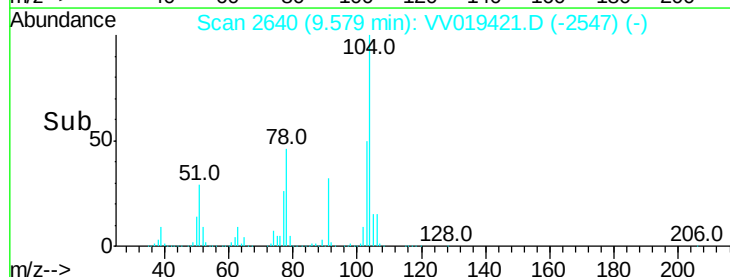
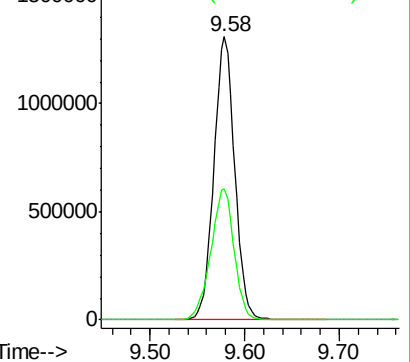
104 100

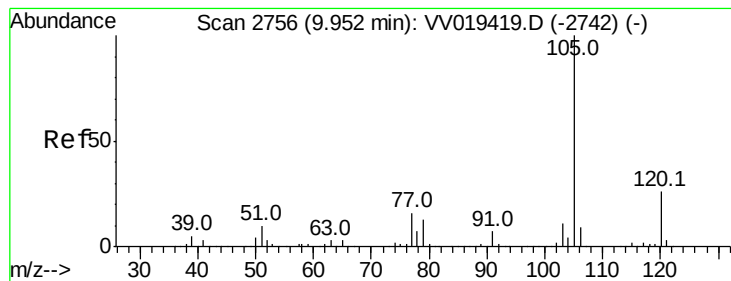
78 46.1 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 224.424 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD20062

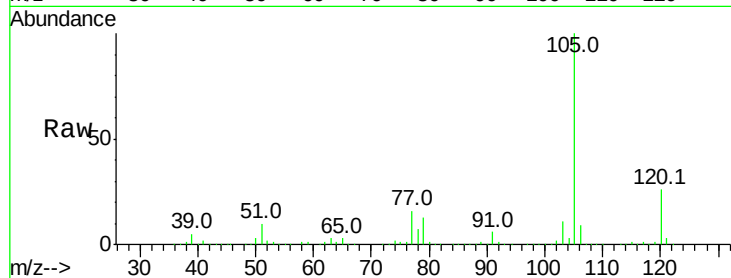
Tgt Ion:105 Resp: 2949584

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

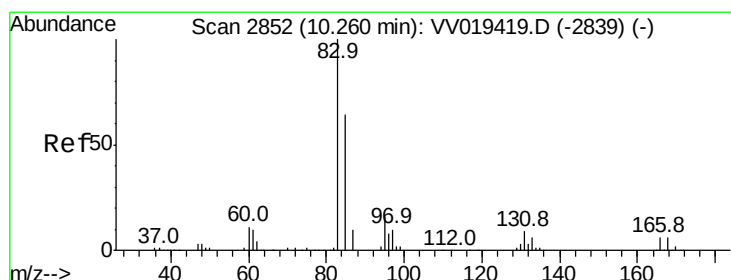
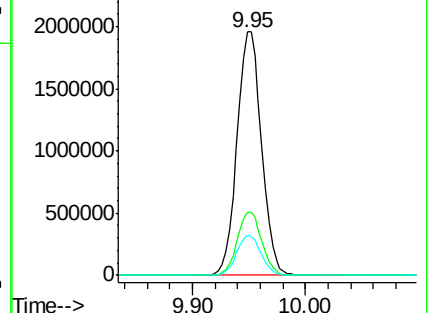
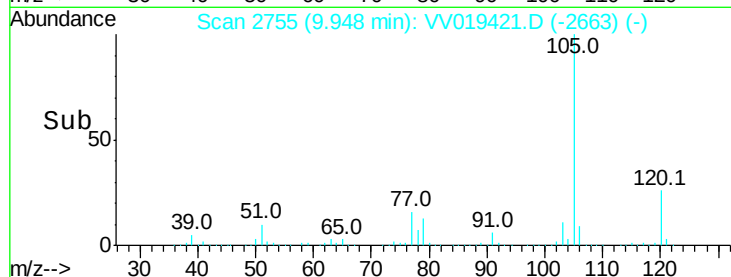
77 16.2 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 289.524 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

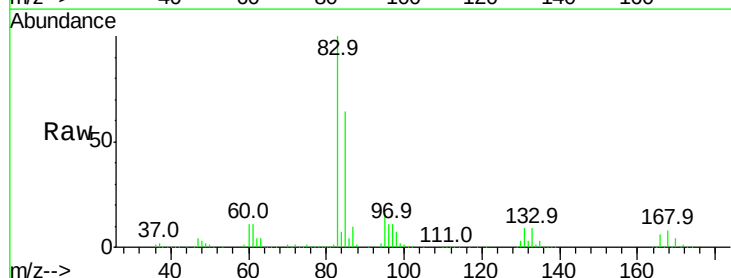
Tgt Ion: 83 Resp: 1083671

Ion Ratio Lower Upper

83 100

85 63.7 44.8 83.2

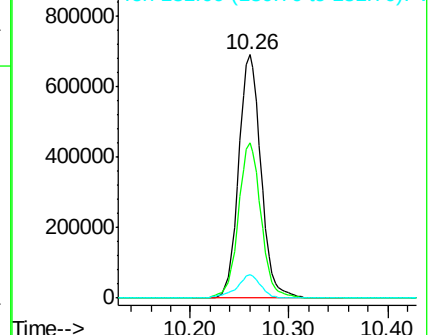
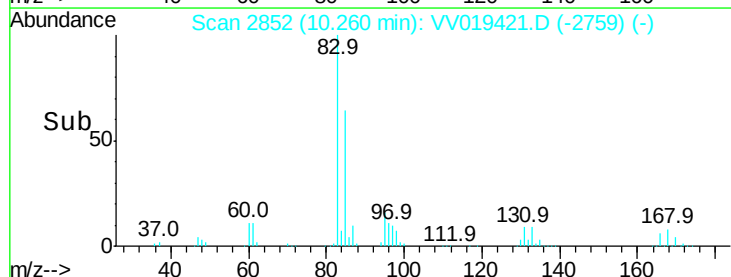
131 9.4 7.2 10.8

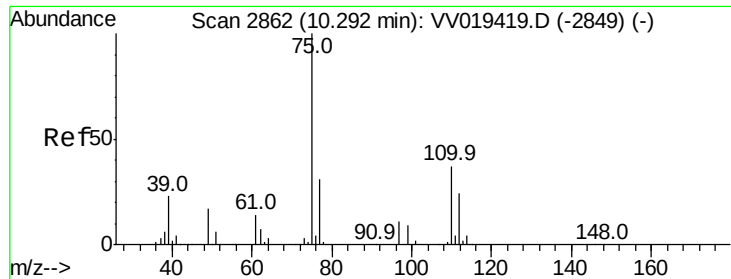


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 260.979 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampleId :

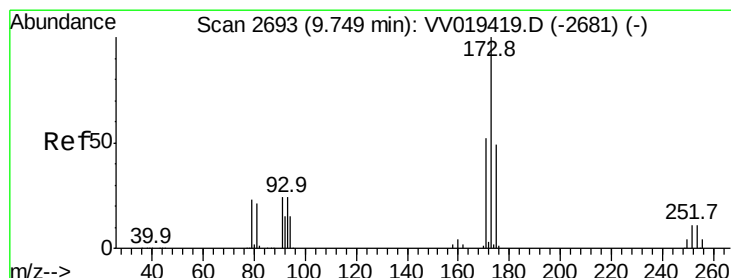
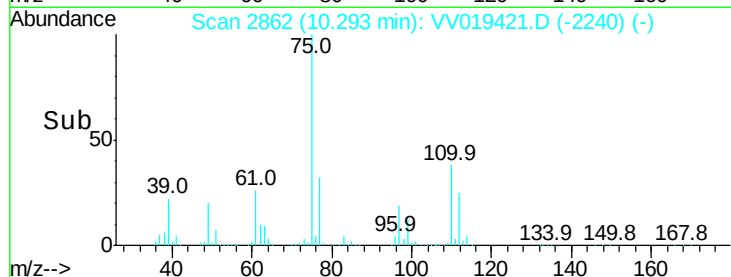
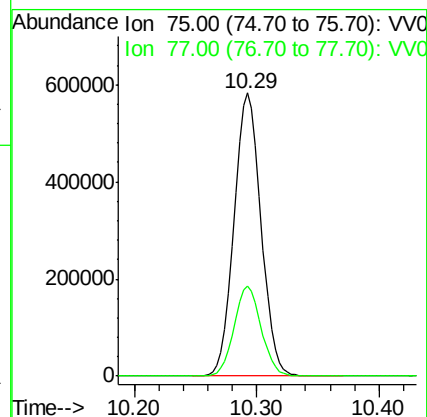
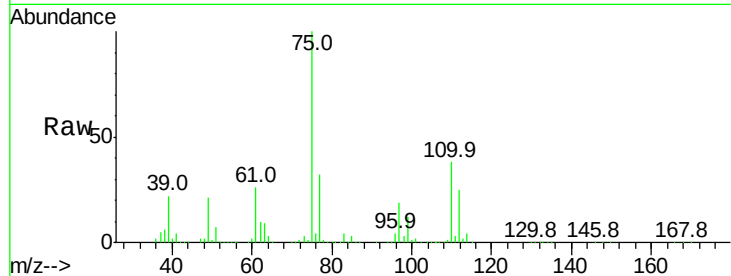
VSTD20062

Tgt Ion: 75 Resp: 900039

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8



#61

Bromoform

Concen: 204.038 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

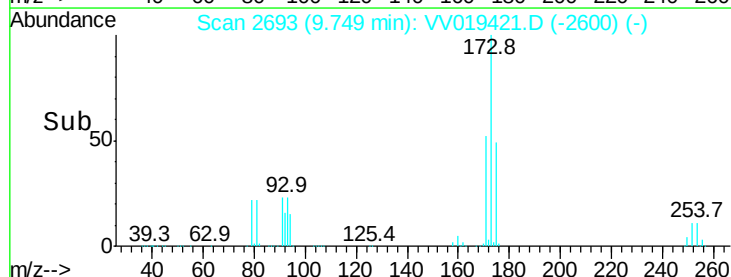
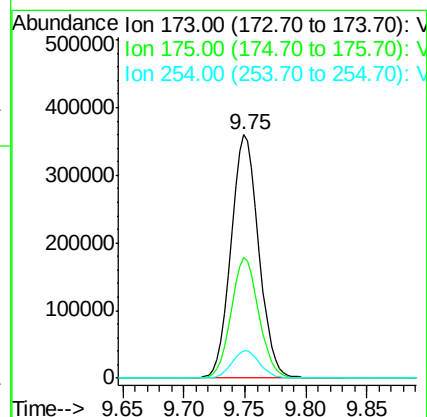
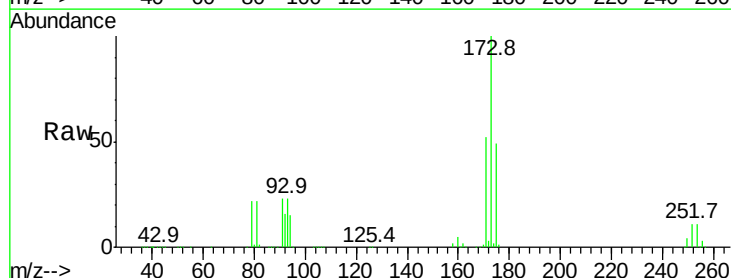
Tgt Ion: 173 Resp: 572887

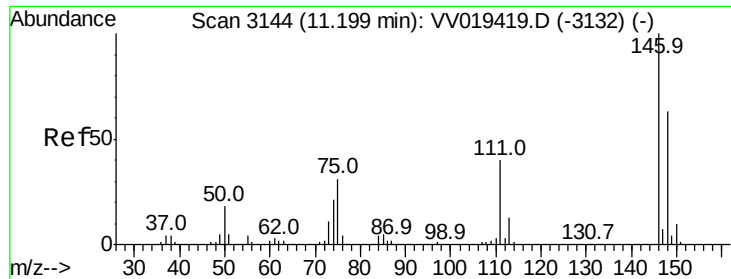
Ion Ratio Lower Upper

173 100

175 49.3 38.8 58.2

254 11.2 8.6 13.0

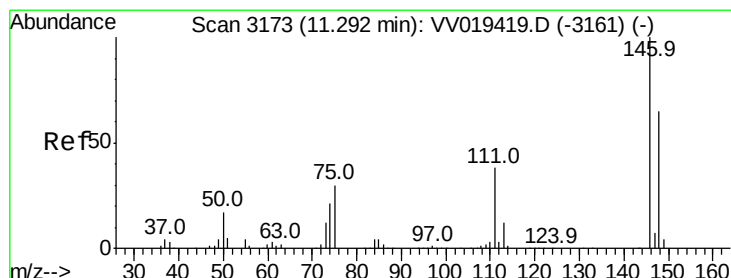
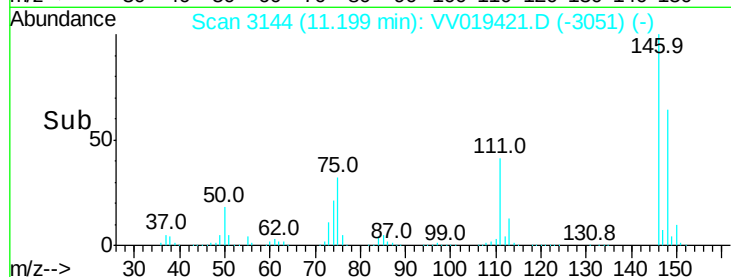
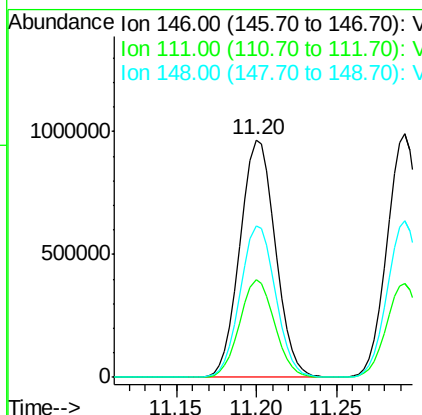
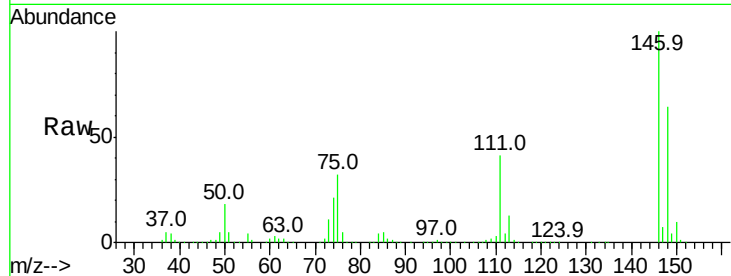




#62
 1,3-Dichlorobenzene
 Concen: 210.217 ug/L
 RT: 11.20 min Scan# 3144
 Delta R.T. 0.00 min
 Lab File: VV019421.D
 Acq: 23 Nov 2020 14:07

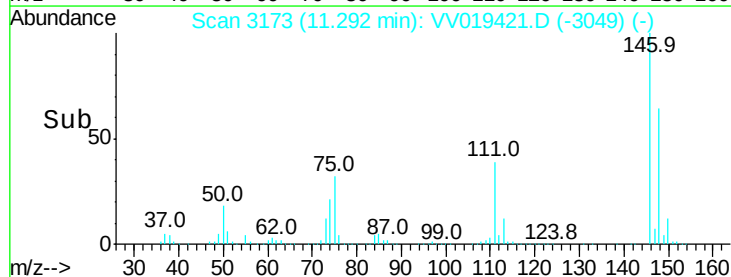
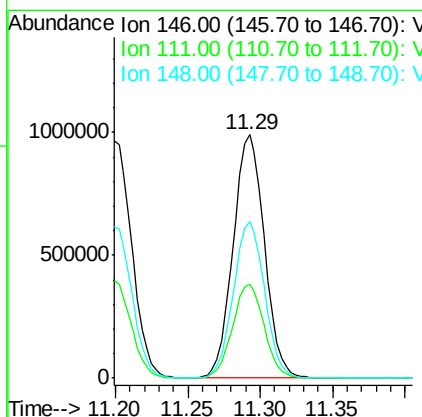
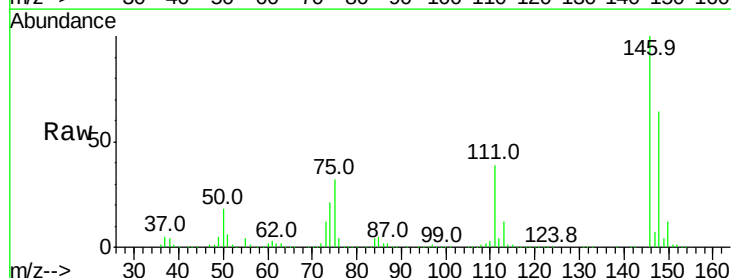
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

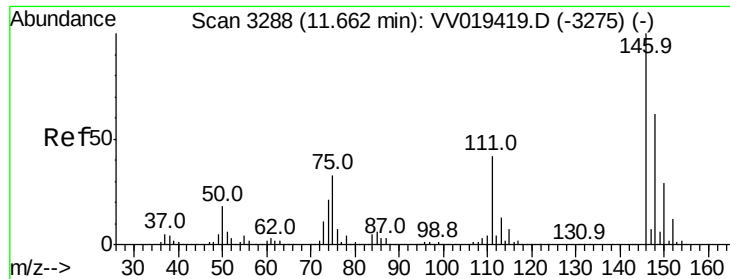
Tgt Ion:146 Resp: 1456580
 Ion Ratio Lower Upper
 146 100
 111 41.3 27.9 51.7
 148 64.0 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 204.145 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019421.D
 Acq: 23 Nov 2020 14:07

Tgt Ion:146 Resp: 1479714
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.7 49.7
 148 64.1 45.2 84.0

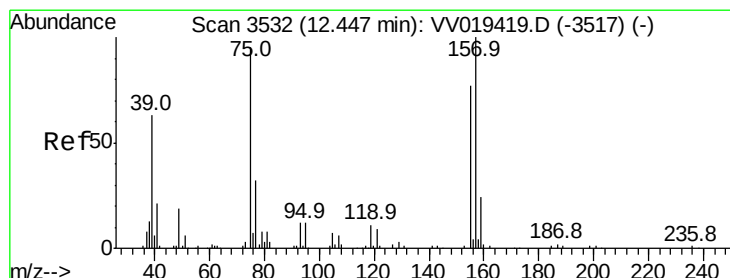
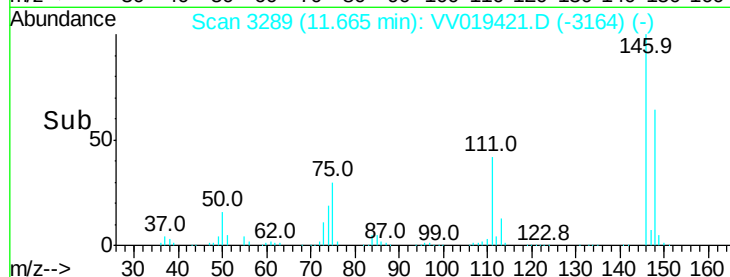
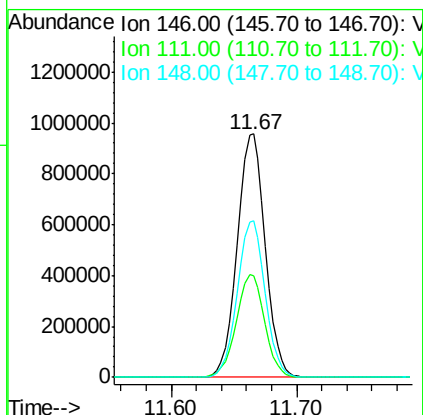
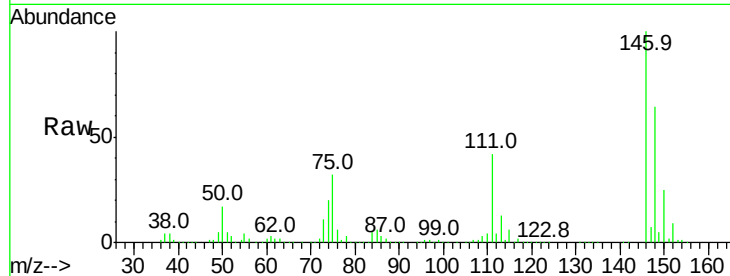




#65
 1,2-Dichlorobenzene
 Concen: 211.149 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV019421.D
 Acq: 23 Nov 2020 14:07

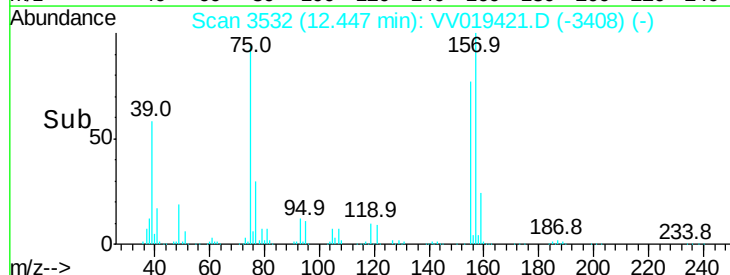
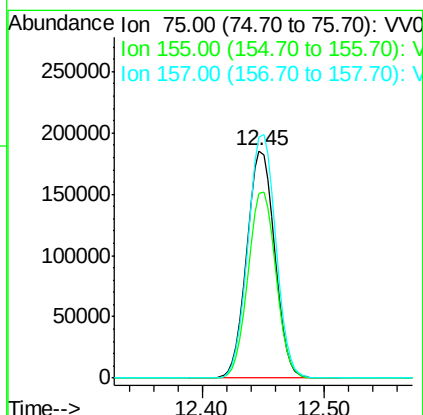
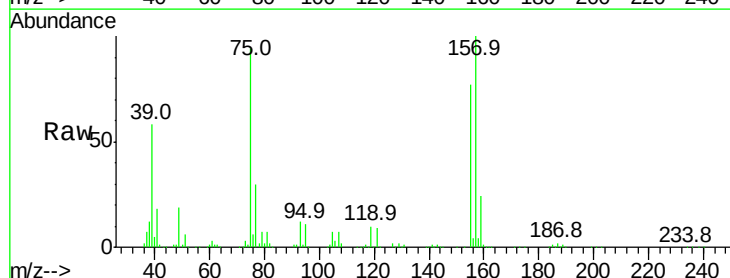
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20062

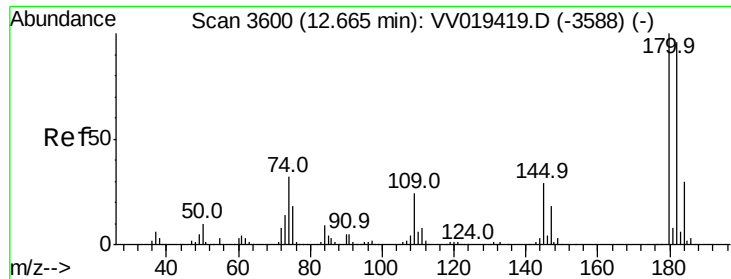
Tgt Ion:146 Resp: 1480304
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.8 50.8
 148 64.1 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 287.076 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. 0.00 min
 Lab File: VV019421.D
 Acq: 23 Nov 2020 14:07

Tgt Ion: 75 Resp: 290700
 Ion Ratio Lower Upper
 75 100
 155 81.4 64.5 96.7
 157 106.0 84.2 126.2

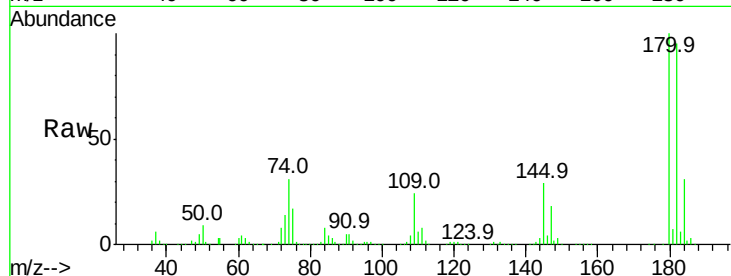




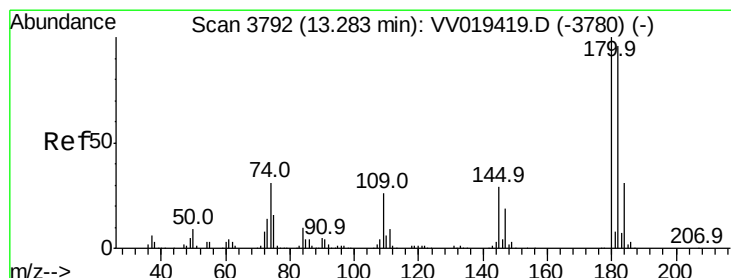
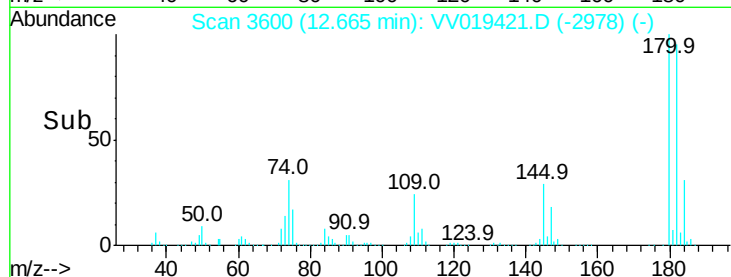
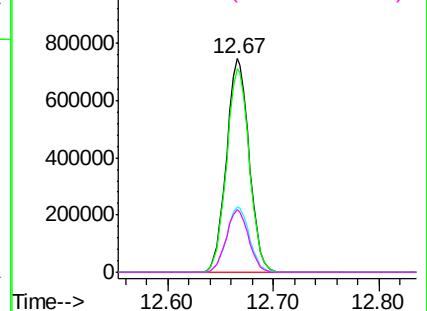
#67
 1,3,5-Trichlorobenzene
 Concen: 207.790 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019421.D
 Acq: 23 Nov 2020 14:07

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20062

Tgt Ion:180 Resp: 1103730
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.0 115.4
 184 30.8 24.2 36.2
 145 29.2 23.2 34.8

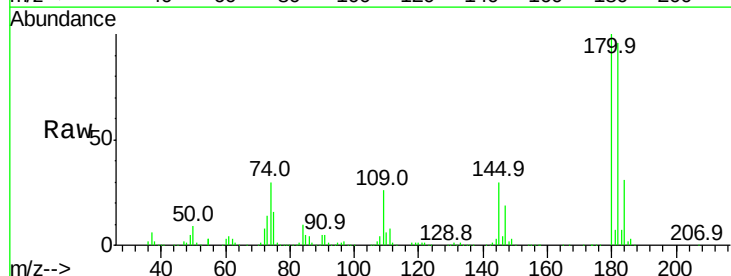


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

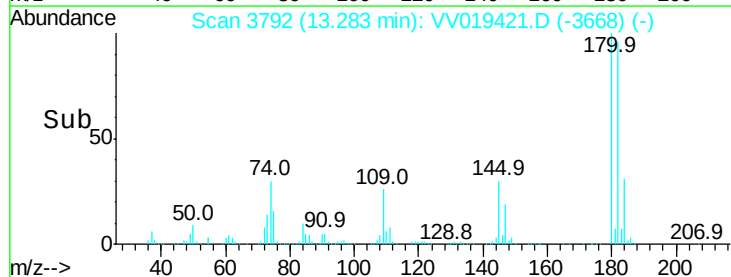
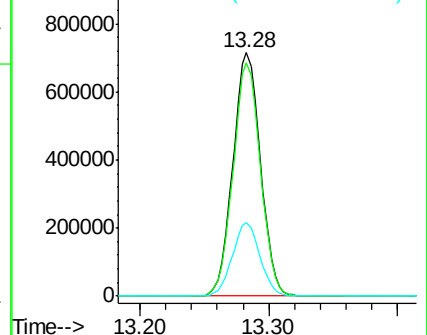


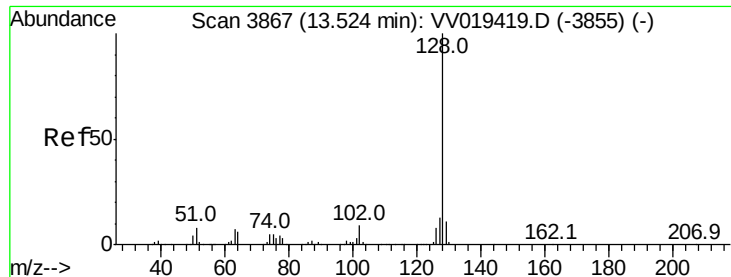
#68
 1,2,4-trichlorobenzene
 Concen: 221.542 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019421.D
 Acq: 23 Nov 2020 14:07

Tgt Ion:180 Resp: 1058647
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 145 30.0 23.4 35.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 274.496 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

Instrument :

MSVOA_V

ClientSampled :

VSTD20062

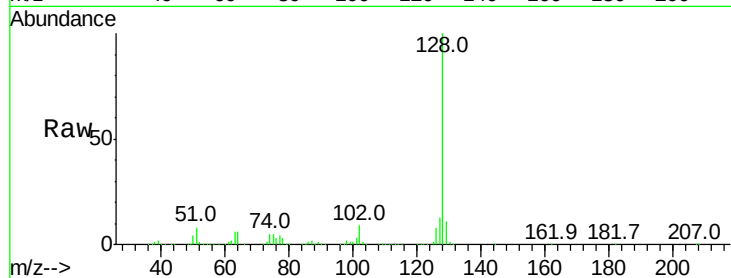
Tgt Ion:128 Resp: 3097688

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

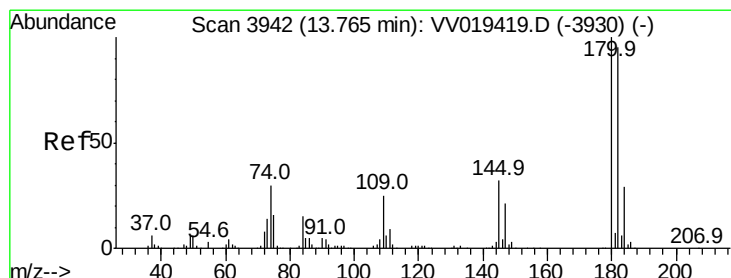
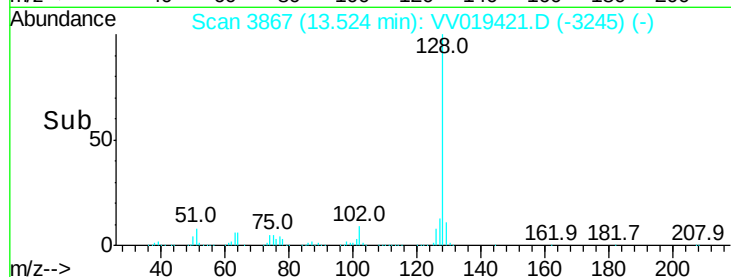
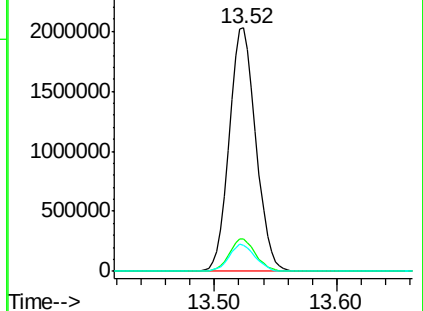
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 220.417 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019421.D

Acq: 23 Nov 2020 14:07

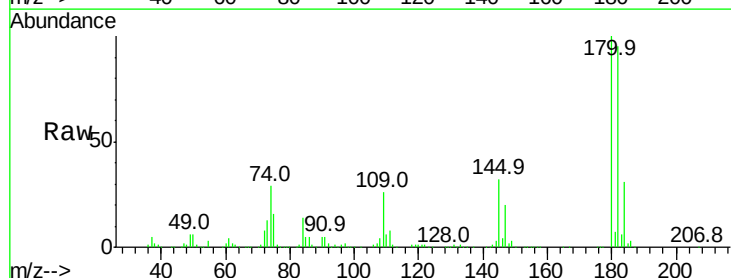
Tgt Ion:180 Resp: 1059822

Ion Ratio Lower Upper

180 100

182 95.6 76.6 115.0

145 31.3 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

