

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120221\
 Data File : VW023763.D
 Acq On : 01 Dec 2021 20:13
 Operator : SY/MD
 Sample : VSTD02503
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 02 00:50:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM120221SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 02 00:47:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	291418	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	286111	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	165561	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	80349	20.103	ug/L	0.00
7) Chloroethane-d5	1.564	69	66911	19.845	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.108	63	163436	23.121	ug/L	0.00
21) 2-Butanone-d5	3.905	46	38398	28.146	ug/L	0.00
24) Chloroform-d	4.346	84	176766	22.918	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.031	65	95368	21.939	ug/L	0.00
32) Benzene-d6	5.050	84	336435	21.933	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.069	67	98027	20.618	ug/L	0.00
41) Toluene-d8	7.313	98	320750	22.852	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.619	79	45031	22.287	ug/L	0.00
47) 2-Hexanone-d5	8.091	63	35975	36.818	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.217	84	83319	19.025	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.622	152	130262	21.084	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	124243	36.758	ug/L	100
3) Chloromethane	1.240	50	111188	27.641	ug/L	100
5) Vinyl chloride	1.307	62	110072	26.779	ug/L	100
6) Bromomethane	1.519	94	73664	27.390	ug/L	100
8) Chloroethane	1.584	64	68019	25.873	ug/L	100
9) Trichlorofluoromethane	1.751	101	178882	30.821	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	93863	26.253	ug/L	100
12) 1,1-Dichloroethene	2.114	96	86477	25.771	ug/L	100
13) Acetone	2.191	43	35209	24.279	ug/L	93
14) Carbon disulfide	2.291	76	312975	29.427	ug/L	100
15) Methyl Acetate	2.436	43	36724	16.184	ug/L	91
16) Methylene chloride	2.503	84	111843	23.271	ug/L	100
17) trans-1,2-Dichloroethene	2.757	96	103521	26.064	ug/L	100
18) Methyl tert-butyl Ether	2.767	73	235530	24.087	ug/L	100
19) 1,1-Dichloroethane	3.185	63	171149	23.967	ug/L	100
20) cis-1,2-Dichloroethene	3.908	96	108510	24.841	ug/L	100
22) 2-Butanone	3.989	43	39876	25.204	ug/L	86
23) Bromochloromethane	4.246	128	54903	25.424	ug/L	100
25) Chloroform	4.375	83	188736	25.068	ug/L	100
27) 1,2-Dichloroethane	5.127	62	126632	24.608	ug/L	100
29) Cyclohexane	4.677	56	152038	24.499	ug/L	100
30) 1,1,1-Trichloroethane	4.606	97	171829	28.477	ug/L	100
31) Carbon tetrachloride	4.828	117	158949	29.091	ug/L	100
33) Benzene	5.098	78	406218	24.941	ug/L	100
34) Trichloroethene	5.912	95	110790	25.007	ug/L	100
35) Methylcyclohexane	6.130	83	180590	25.977	ug/L	100
37) 1,2-Dichloropropane	6.172	63	96065	23.340	ug/L	100
38) Bromodichloromethane	6.506	83	136145	24.880	ug/L	100
39) cis-1,3-Dichloropropene	7.027	75	149418	24.097	ug/L	100
40) 4-Methyl-2-pentanone	7.227	43	118769	37.476	ug/L	100
42) Toluene	7.387	91	456289	26.165	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	140974	26.908	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120221\
 Data File : VW023763.D
 Acq On : 01 Dec 2021 20:13
 Operator : SY/MD
 Sample : VSTD02503
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 02 00:50:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM120221SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 02 00:47:36 2021
 Response via : Initial Calibration

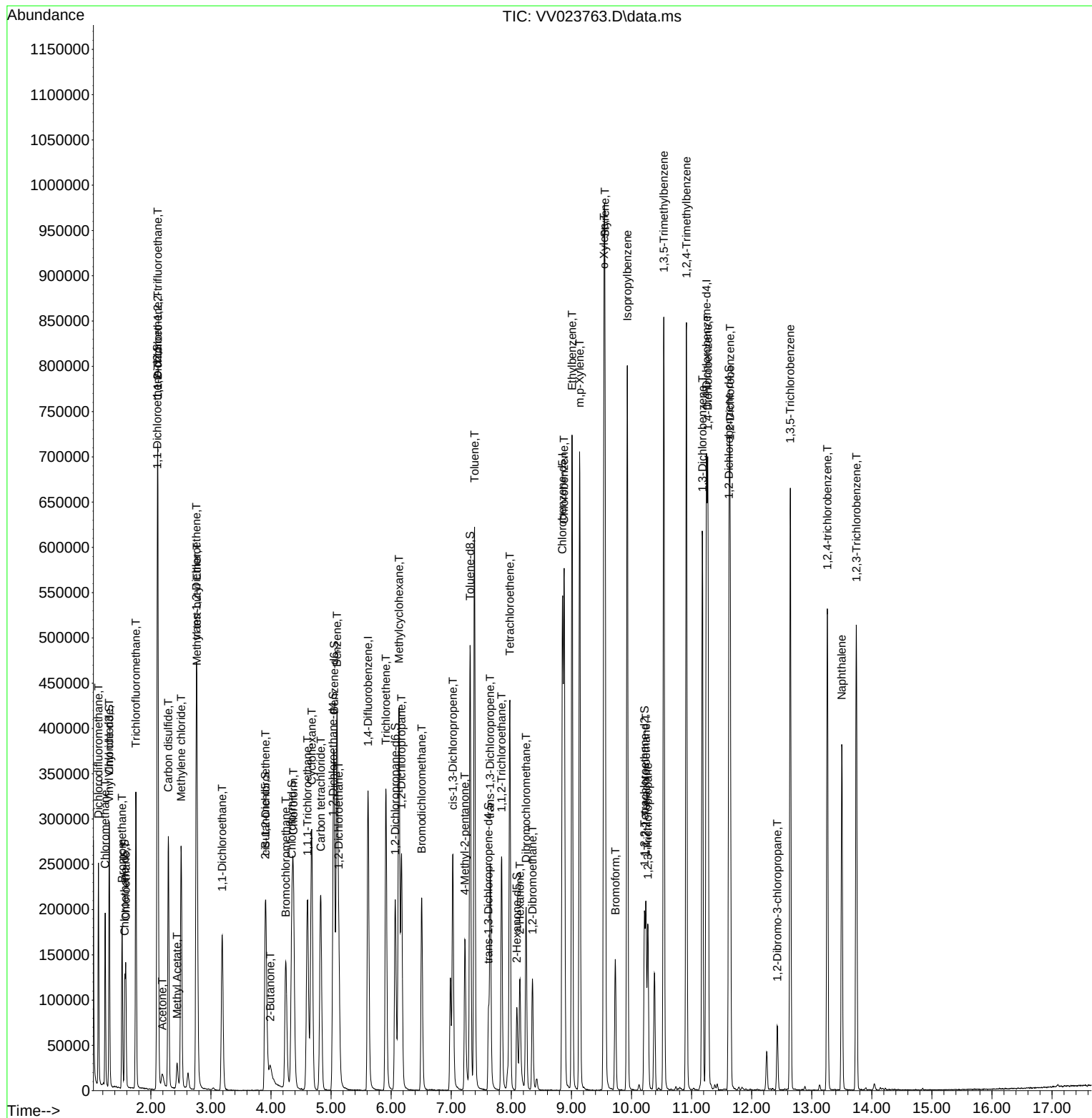
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.837	97	81757	23.357	ug/L	100
46) Tetrachloroethene	7.976	164	96375	26.093	ug/L	100
48) 2-Hexanone	8.143	43	83953	36.743	ug/L	100
49) Dibromochloromethane	8.246	129	105280	25.841	ug/L	100
50) 1,2-Dibromoethane	8.352	107	78792	22.904	ug/L	100
51) Chlorobenzene	8.879	112	301240	25.469	ug/L	100
52) Ethylbenzene	9.011	91	492914	25.849	ug/L	100
53) m,p-Xylene	9.136	106	194175	26.554	ug/L	100
54) o-Xylene	9.542	106	188282	26.847	ug/L	100
55) Styrene	9.558	104	331706	27.048	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	90935	21.653	ug/L	100
59) Bromoform	9.731	173	65047	23.299	ug/L #	100
60) Isopropylbenzene	9.931	105	501022	25.362	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	69958	19.488	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	438158	27.207	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	438466	27.161	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	255737	24.599	ug/L	100
65) 1,4-Dichlorobenzene	11.271	146	261931	23.957	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	235587	23.826	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.426	75	16552	20.813	ug/L	100
69) 1,3,5-Trichlorobenzene	12.644	180	202280	24.207	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	161373	22.724	ug/L	100
71) Naphthalene	13.500	128	291428	21.459	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	148545	21.867	ug/L	100

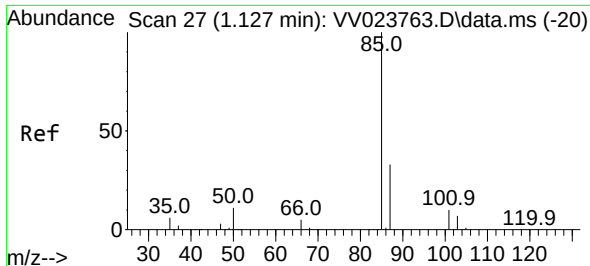
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV120221\
 Data File : VV023763.D
 Acq On : 01 Dec 2021 20:13
 Operator : SY/MD
 Sample : VSTD02503
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 02 00:50:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM120221SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 02 00:47:36 2021
 Response via : Initial Calibration

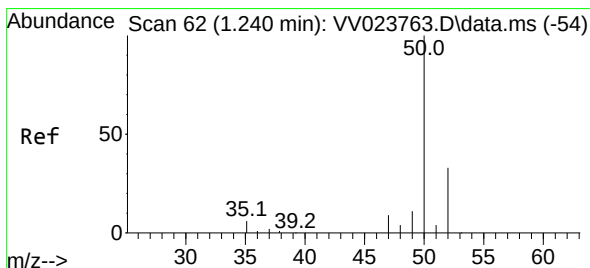
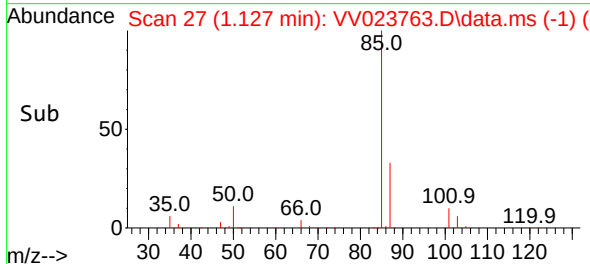
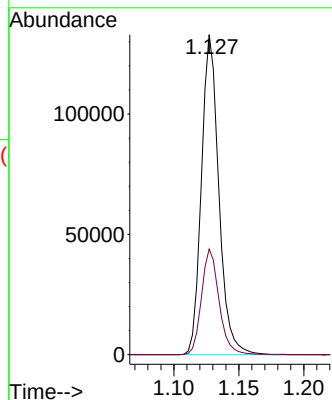
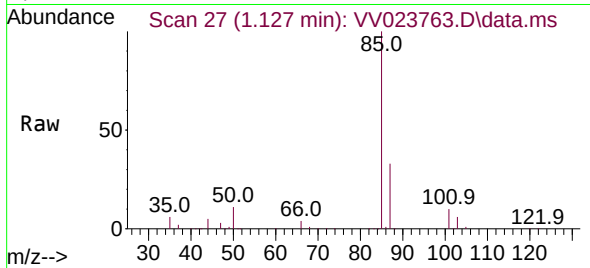




#2
 Dichlorodifluoromethane
 Concen: 36.758 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV023763.D
 Acq: 01 Dec 2021 20:13

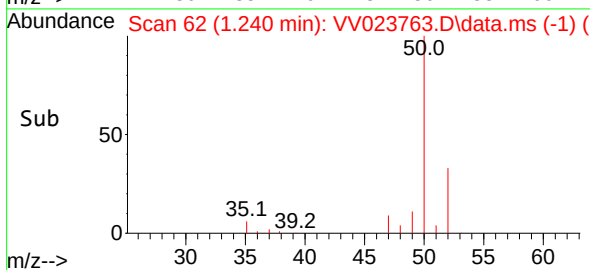
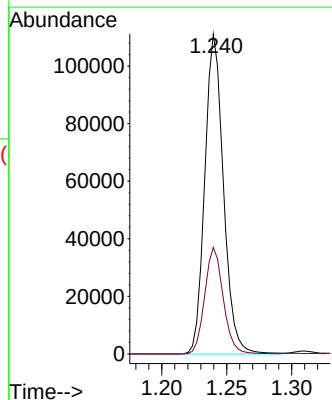
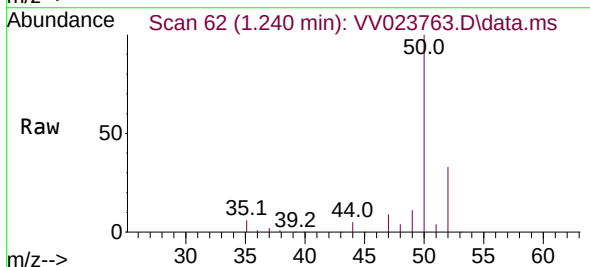
Instrument :
 MSVOA_V
 ClientSampleId :

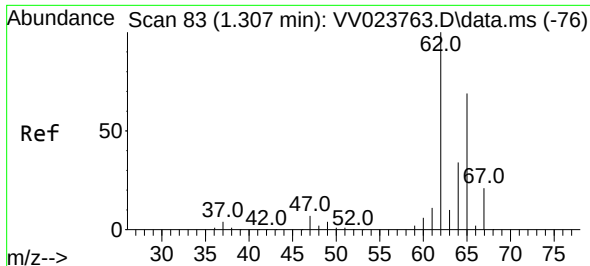
Tgt Ion: 85 Resp: 124243
 Ion Ratio Lower Upper
 85 100
 87 33.3 26.6 40.0



#3
 Chloromethane
 Concen: 27.641 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV023763.D
 Acq: 01 Dec 2021 20:13

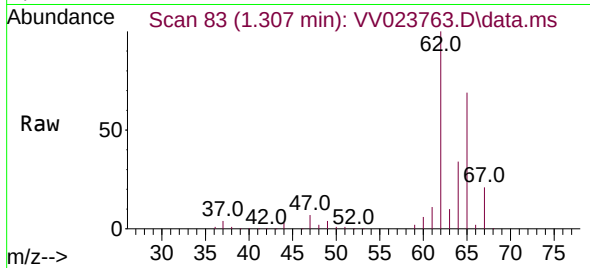
Tgt Ion: 50 Resp: 111188
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.3 43.3



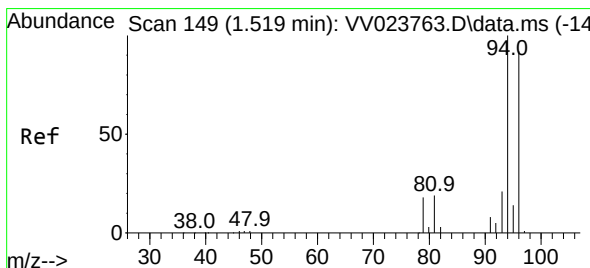
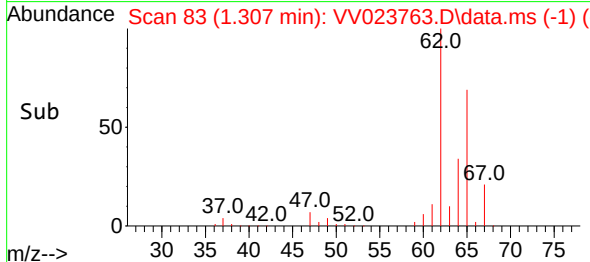
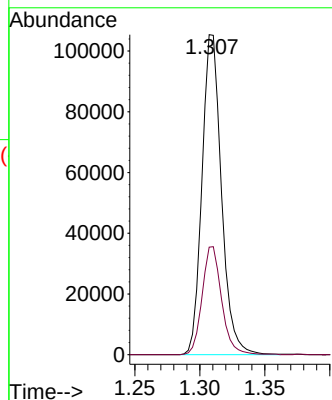


#5
 Vinyl chloride
 Concen: 26.779 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV023763.D
 Acq: 01 Dec 2021 20:13

Instrument :
 MSVOA_V
 ClientSampleId :

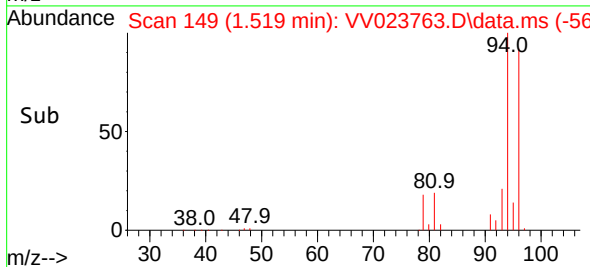
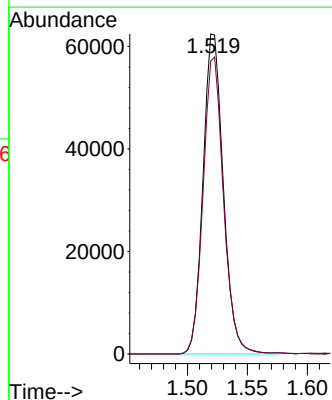
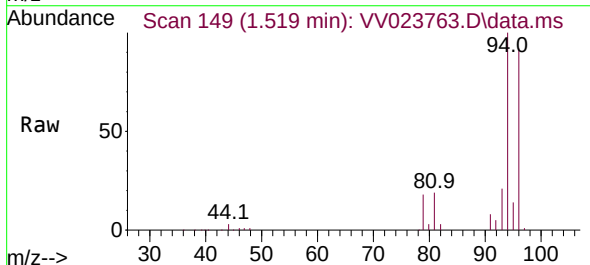


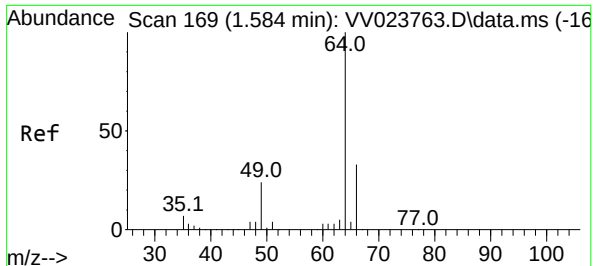
Tgt Ion: 62 Resp: 110072
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.5 43.7



#6
 Bromomethane
 Concen: 27.390 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV023763.D
 Acq: 01 Dec 2021 20:13

Tgt Ion: 94 Resp: 73664
 Ion Ratio Lower Upper
 94 100
 96 91.6 64.1 119.1

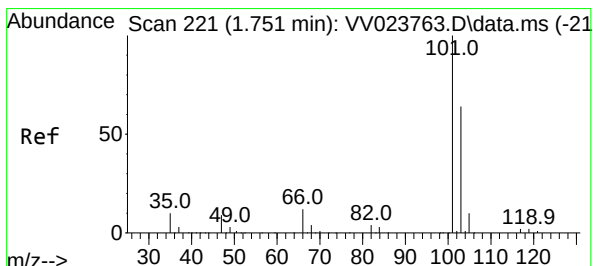
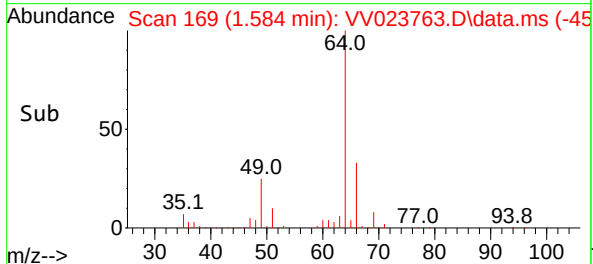
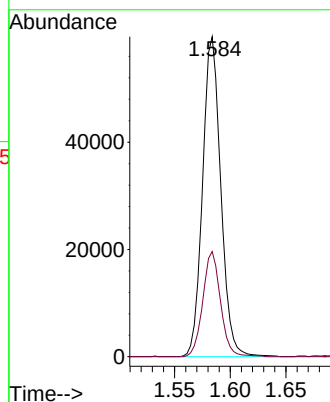
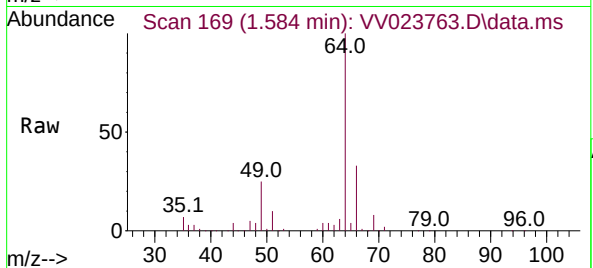




#8
Chloroethane
Concen: 25.873 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

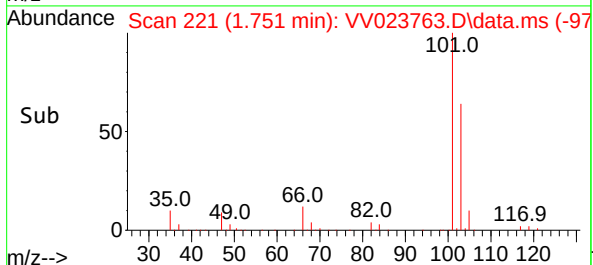
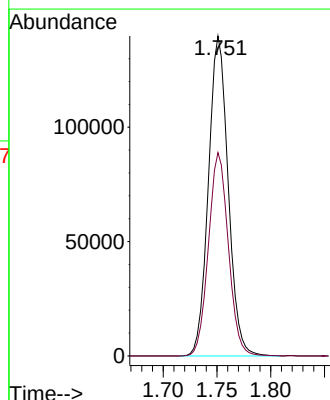
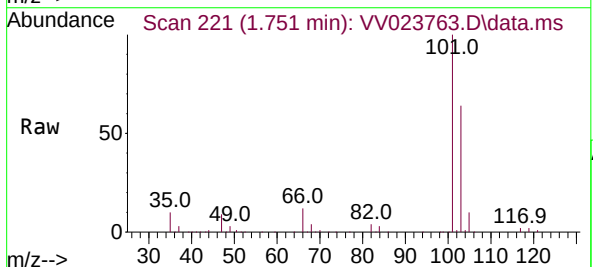
Instrument :
MSVOA_V
ClientSampleId :

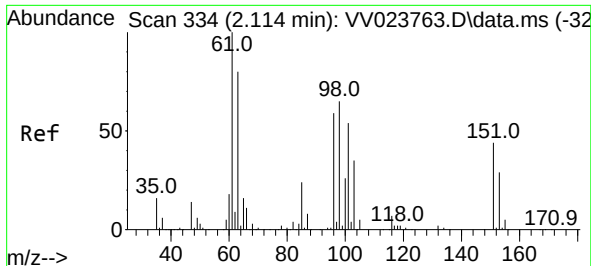
Tgt Ion: 64 Resp: 68019
Ion Ratio Lower Upper
64 100
66 32.8 23.0 42.6



#9
Trichlorofluoromethane
Concen: 30.821 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

Tgt Ion:101 Resp: 178882
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9

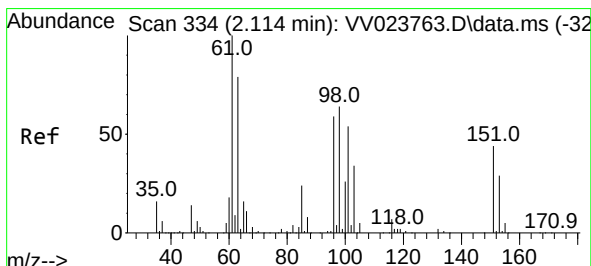
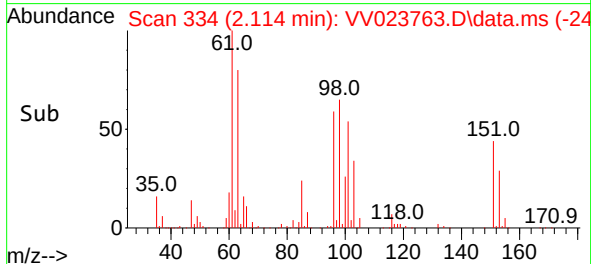
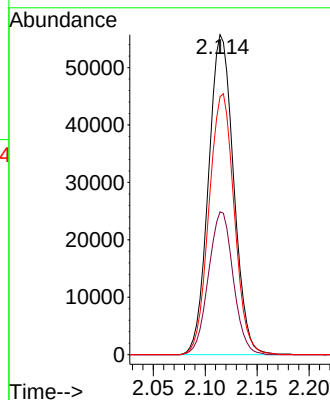
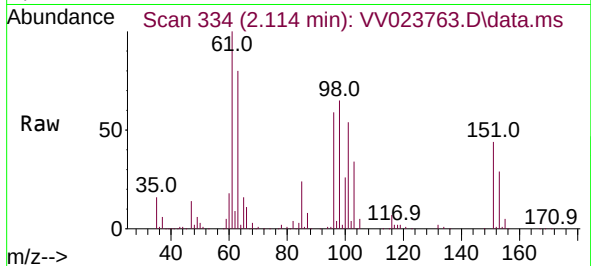




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 26.253 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV023763.D
 Acq: 01 Dec 2021 20:13

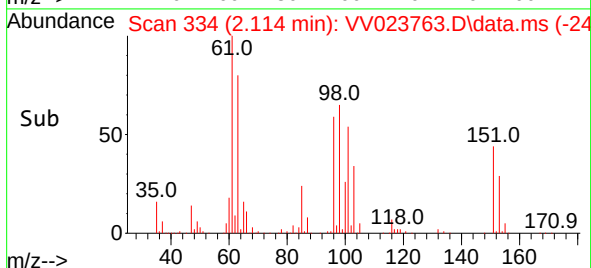
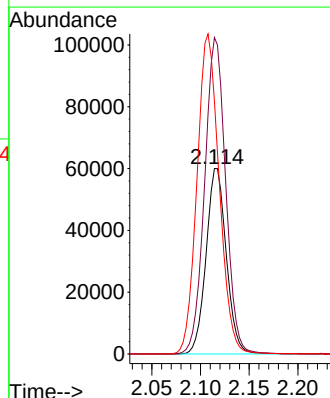
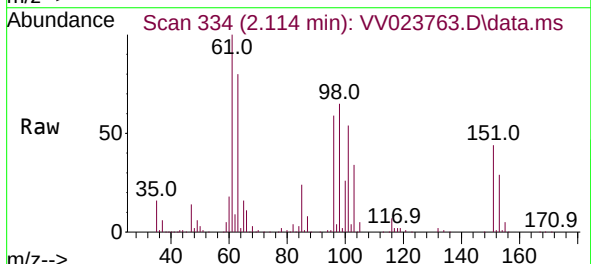
Instrument :
 MSVOA_V
 ClientSampleId :

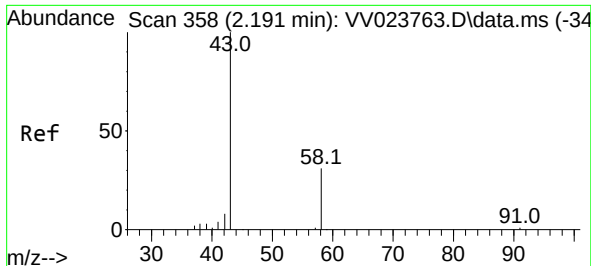
Tgt Ion:101 Resp: 93863
 Ion Ratio Lower Upper
 101 100
 85 43.9 35.1 52.7
 151 82.0 65.6 98.4



#12
 1,1-Dichloroethene
 Concen: 25.771 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV023763.D
 Acq: 01 Dec 2021 20:13

Tgt Ion: 96 Resp: 86477
 Ion Ratio Lower Upper
 96 100
 61 170.6 119.4 221.8
 63 136.3 95.4 177.2

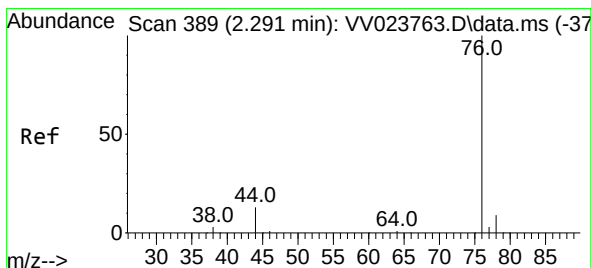
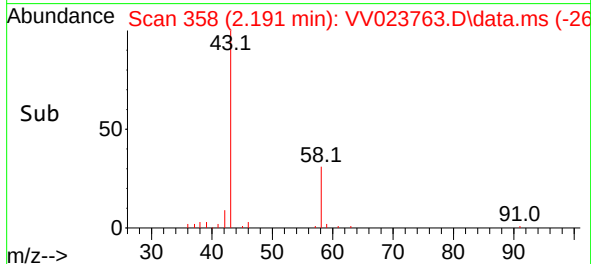
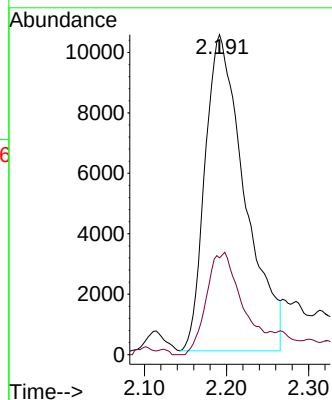
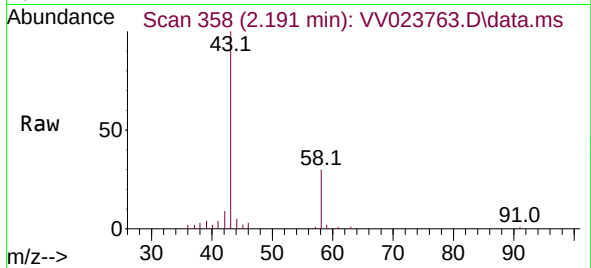




#13
Acetone
Concen: 24.279 ug/L
RT: 2.191 min Scan# 358
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

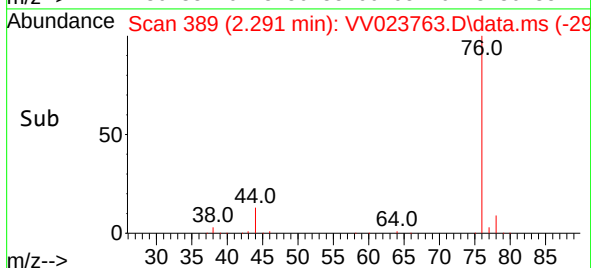
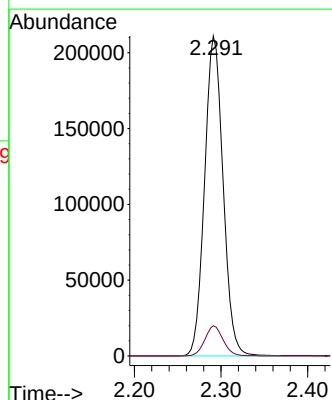
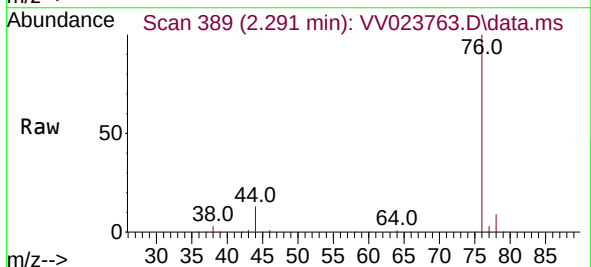
Instrument :
MSVOA_V
ClientSampleId :

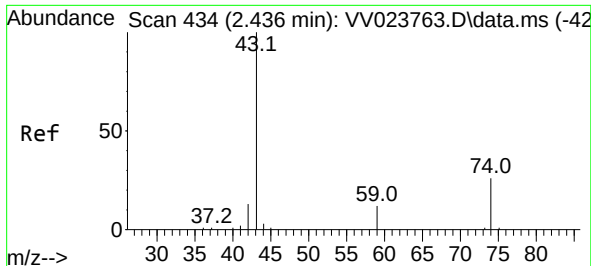
Tgt Ion: 43 Resp: 35209
Ion Ratio Lower Upper
43 100
58 11.6 0.0 17.8



#14
Carbon disulfide
Concen: 29.427 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

Tgt Ion: 76 Resp: 312975
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3

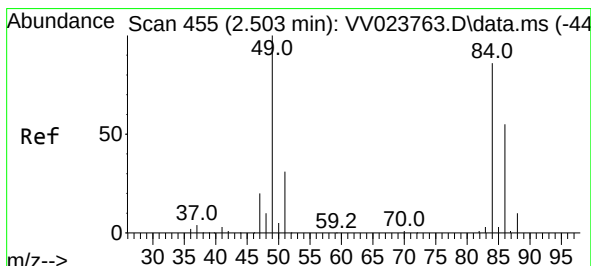
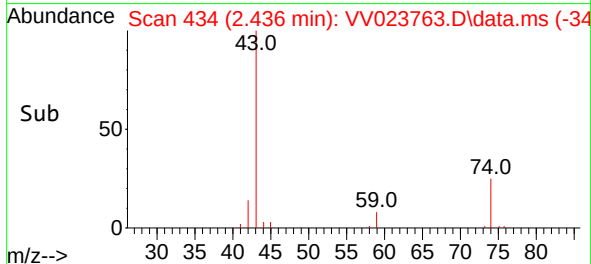
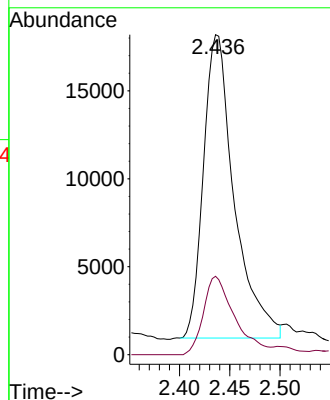
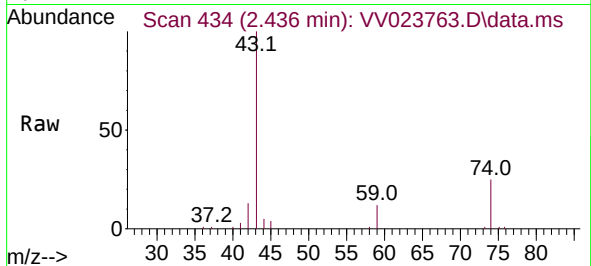




#15
Methyl Acetate
Concen: 16.184 ug/L
RT: 2.436 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

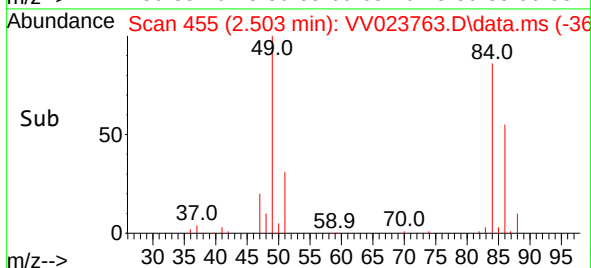
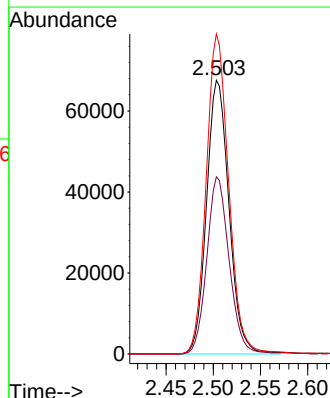
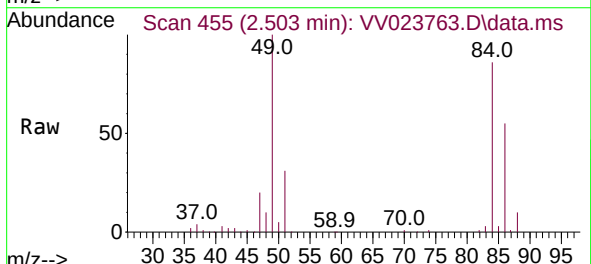
Instrument :
MSVOA_V
ClientSampleId :

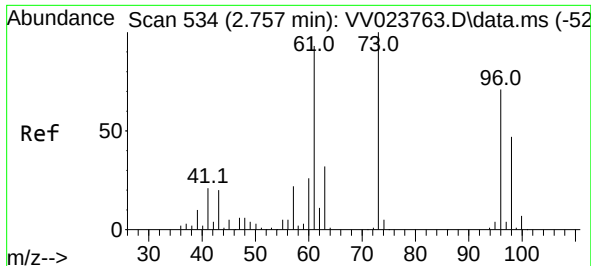
Tgt Ion: 43 Resp: 36724
Ion Ratio Lower Upper
43 100
74 26.3 17.6 26.4



#16
Methylene chloride
Concen: 23.271 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

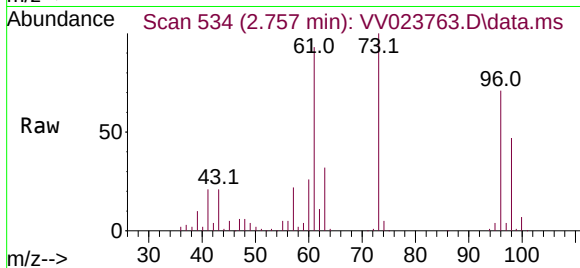
Tgt Ion: 84 Resp: 111843
Ion Ratio Lower Upper
84 100
86 64.7 45.3 84.1
49 116.9 81.8 152.0





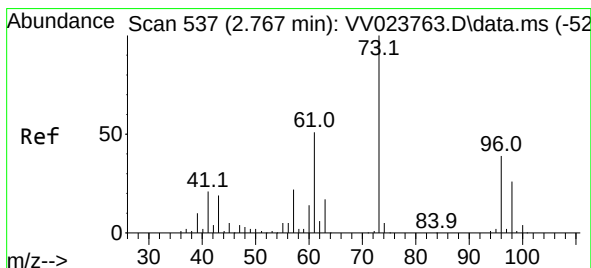
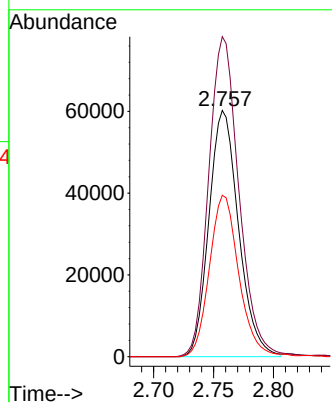
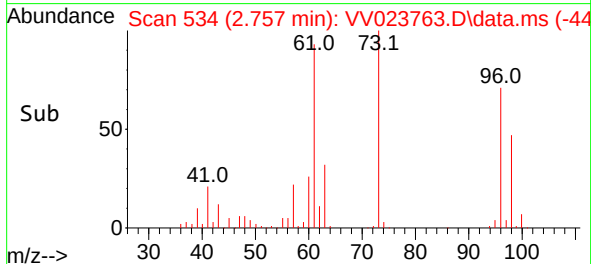
#17
trans-1,2-Dichloroethene
Concen: 26.064 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

Instrument :
MSVOA_V
ClientSampleId :

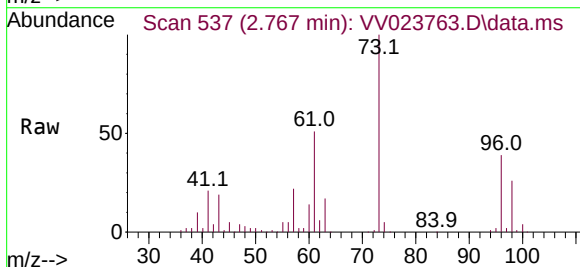


Tgt Ion: 96 Resp: 103521

Ion	Ratio	Lower	Upper
96	100		
61	130.0	91.0	169.0
98	65.6	45.9	85.3

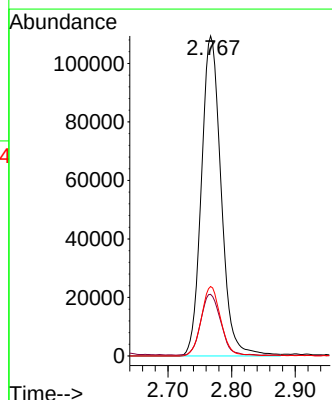
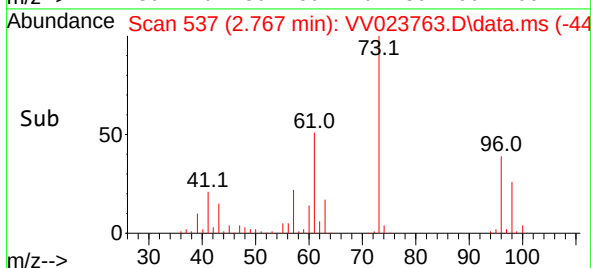


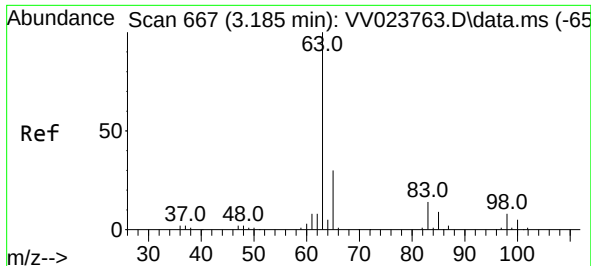
#18
Methyl tert-butyl Ether
Concen: 24.087 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13



Tgt Ion: 73 Resp: 235530

Ion	Ratio	Lower	Upper
73	100		
43	18.7	15.0	22.4
57	21.2	17.0	25.4





#19

1,1-Dichloroethane

Concen: 23.967 ug/L

RT: 3.185 min Scan# 667

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

Instrument :

MSVOA_V

ClientSampleId :

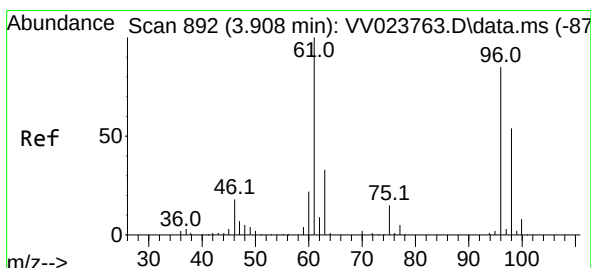
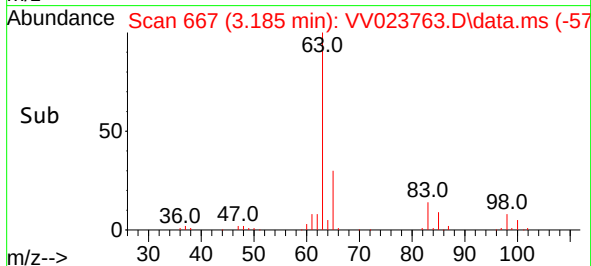
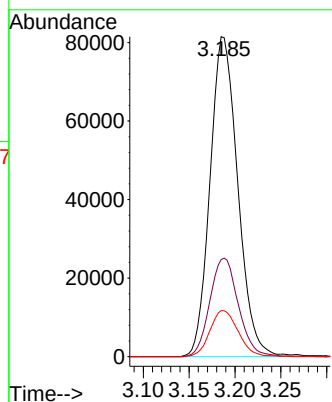
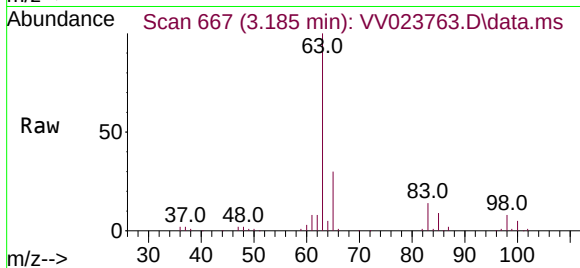
Tgt Ion: 63 Resp: 171149

Ion Ratio Lower Upper

63 100

65 30.4 21.3 39.5

83 14.4 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 24.841 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

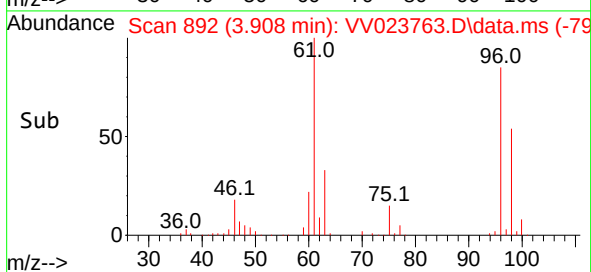
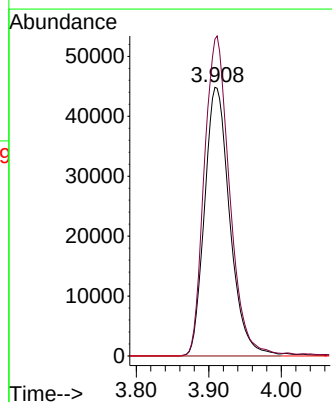
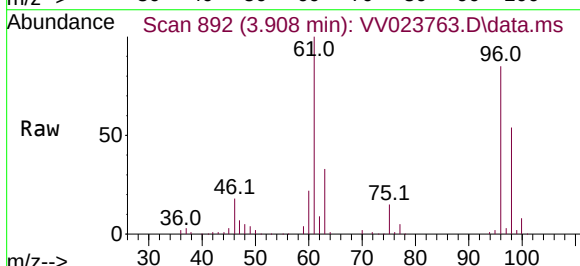
Tgt Ion: 96 Resp: 108510

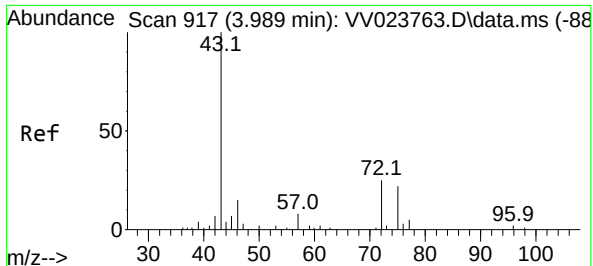
Ion Ratio Lower Upper

96 100

61 117.9 82.5 153.3

68 0.0 0.0 0.0

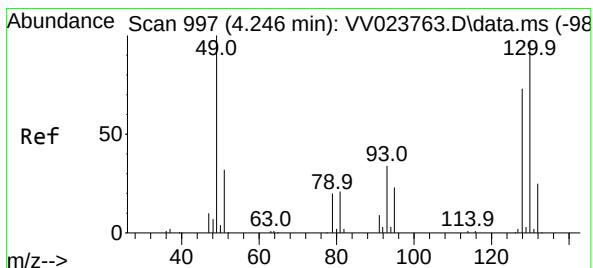
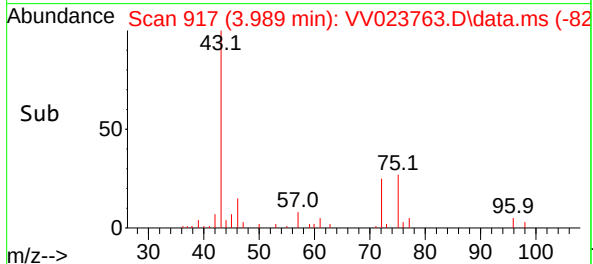
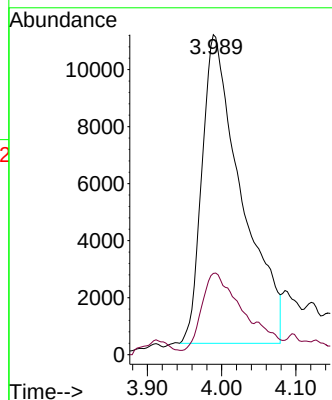
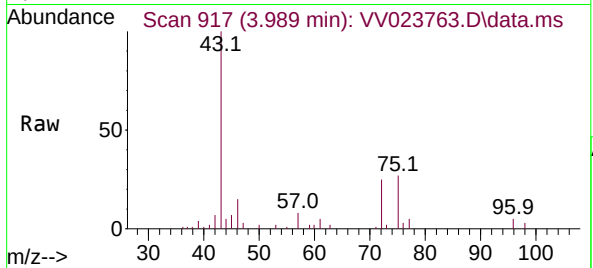




#22
2-Butanone
Concen: 25.204 ug/L
RT: 3.989 min Scan# 917
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

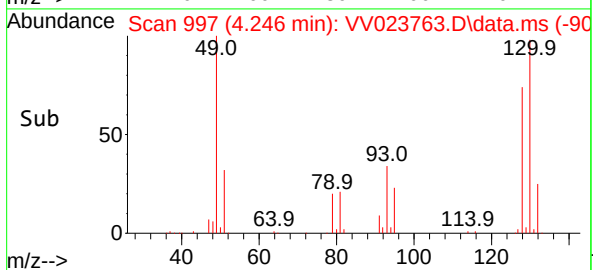
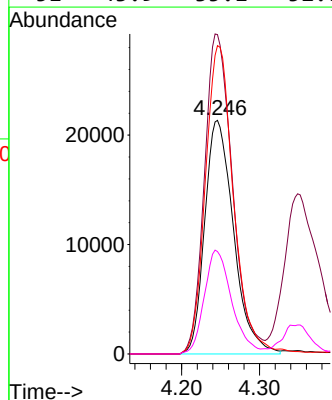
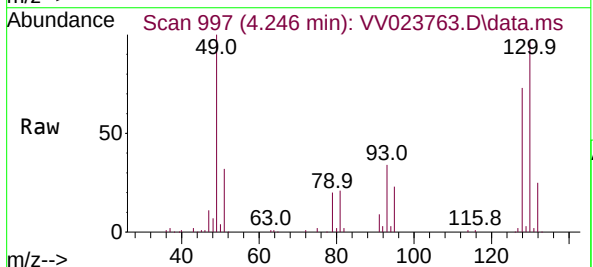
Instrument :
MSVOA_V
ClientSampleId :

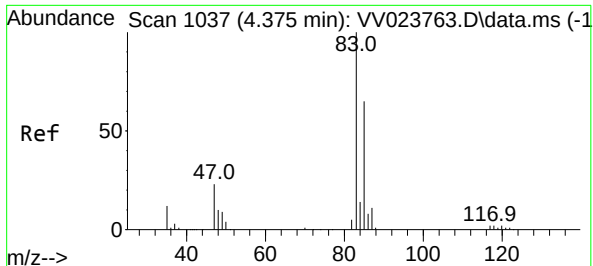
Tgt Ion: 43 Resp: 39876
Ion Ratio Lower Upper
43 100
72 22.7 8.3 25.1



#23
Bromochloromethane
Concen: 25.424 ug/L
RT: 4.246 min Scan# 997
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

Tgt Ion: 128 Resp: 54903
Ion Ratio Lower Upper
128 100
49 136.7 95.7 177.7
130 132.0 92.4 171.6
51 43.9 35.1 52.7





#25

Chloroform

Concen: 25.068 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

Instrument :

MSVOA_V

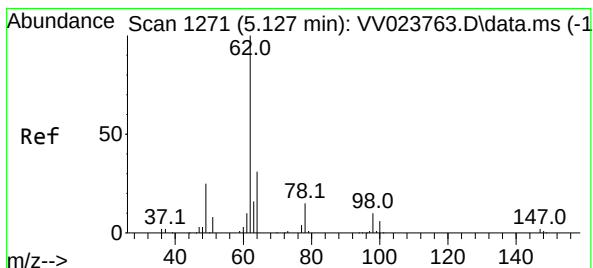
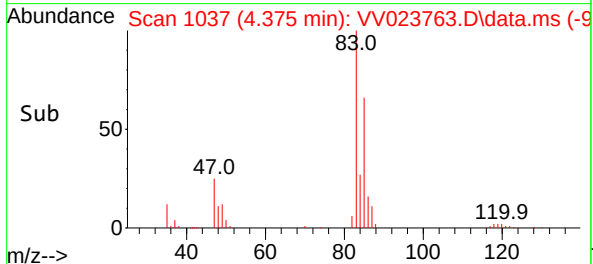
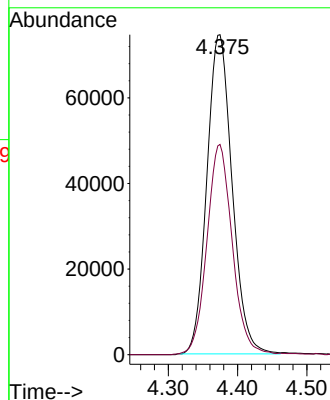
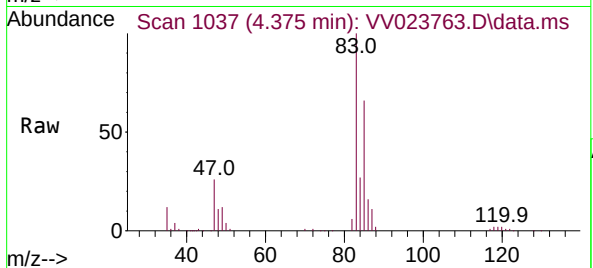
ClientSampleId :

Tgt Ion: 83 Resp: 188736

Ion Ratio Lower Upper

83 100

85 65.7 46.0 85.4



#27

1,2-Dichloroethane

Concen: 24.608 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. 0.000 min

Lab File: VV023763.D

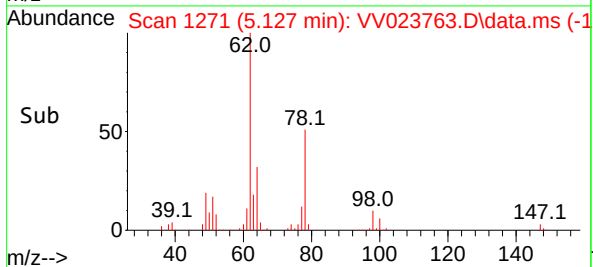
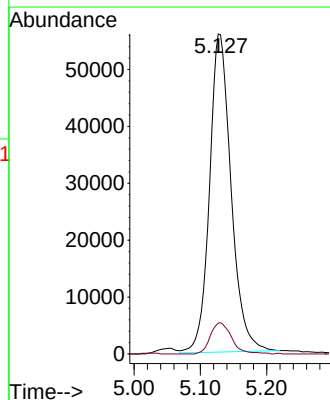
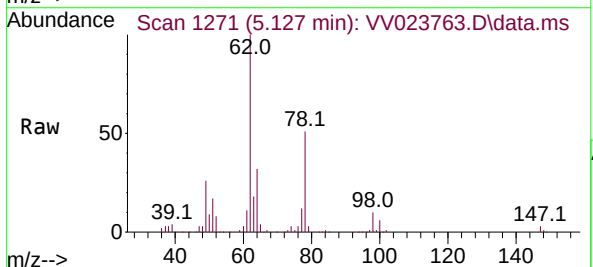
Acq: 01 Dec 2021 20:13

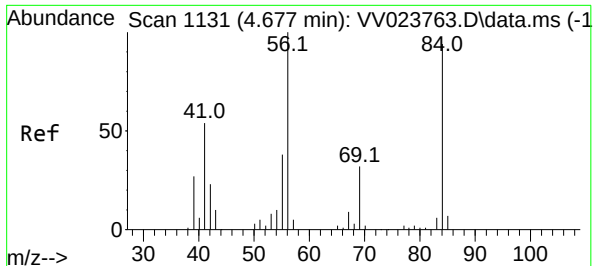
Tgt Ion: 62 Resp: 126632

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.6





#29

Cyclohexane

Concen: 24.499 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

Instrument :

MSVOA_V

ClientSampleId :

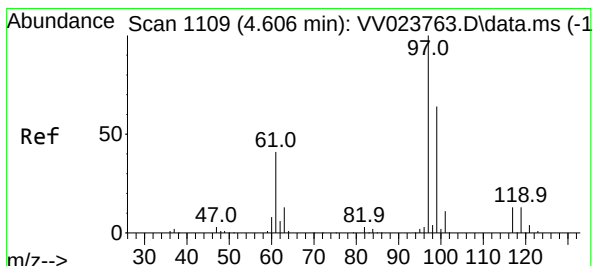
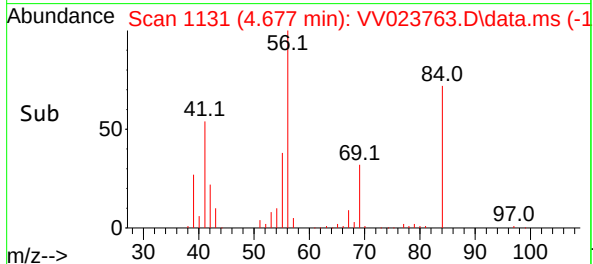
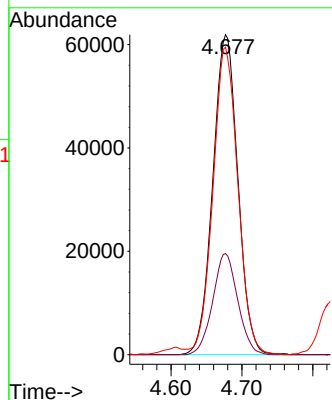
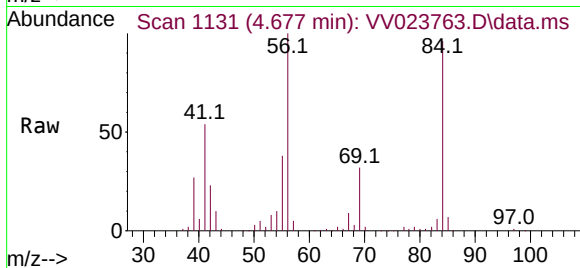
Tgt Ion: 56 Resp: 152038

Ion Ratio Lower Upper

56 100

69 31.5 25.2 37.8

84 95.7 76.6 114.8



#30

1,1,1-Trichloroethane

Concen: 28.477 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

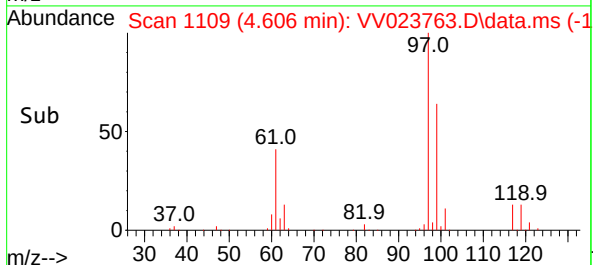
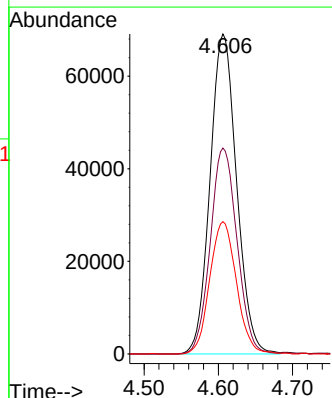
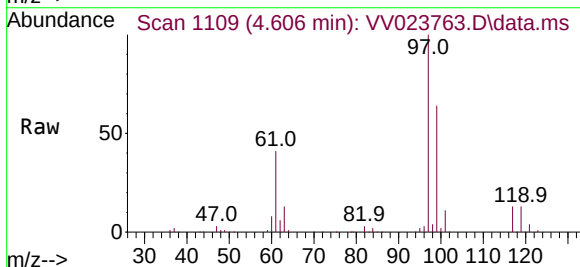
Tgt Ion: 97 Resp: 171829

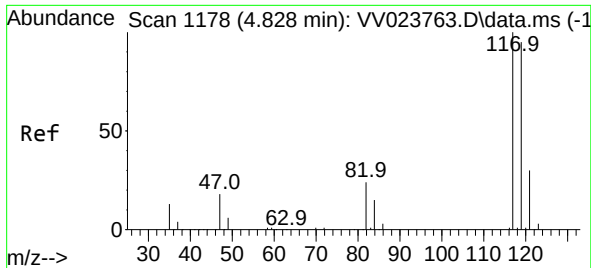
Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

61 41.6 33.3 49.9

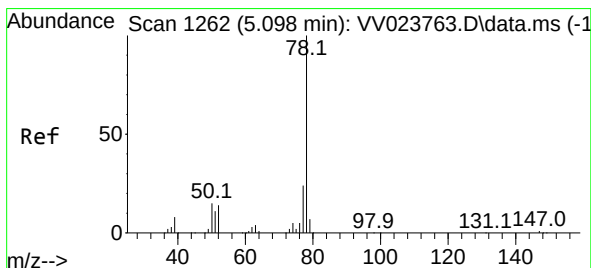
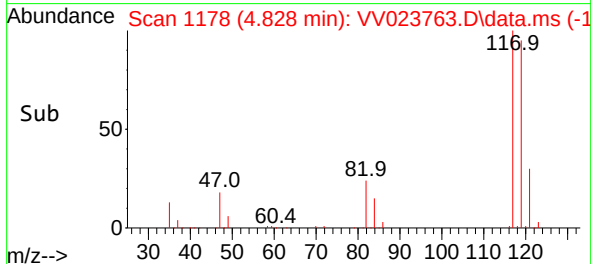
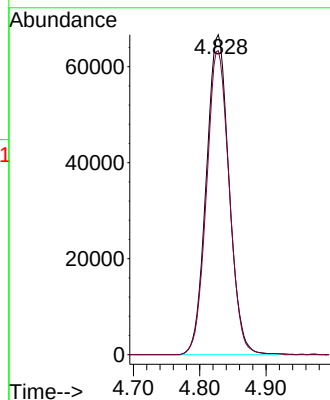
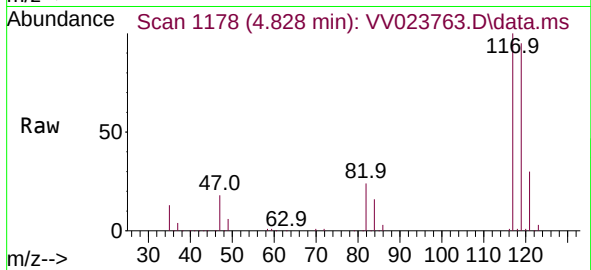




#31
Carbon tetrachloride
Concen: 29.091 ug/L
RT: 4.828 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

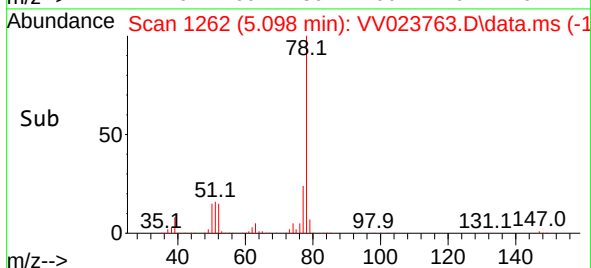
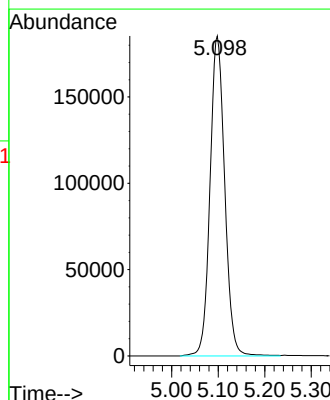
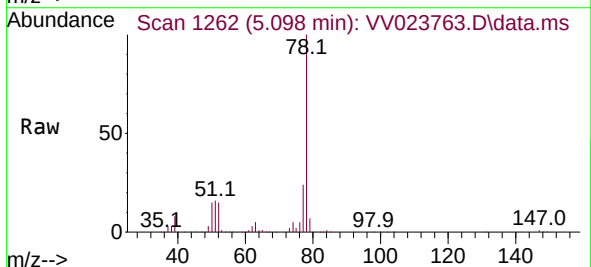
Instrument :
MSVOA_V
ClientSampleId :

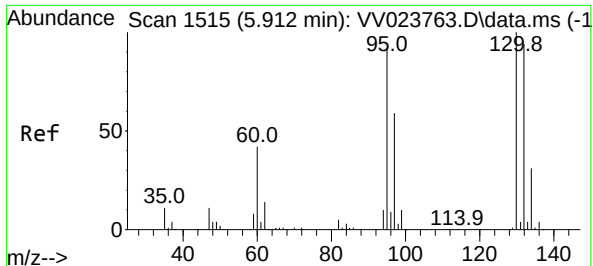
Tgt Ion:117 Resp: 158949
Ion Ratio Lower Upper
117 100
119 95.0 76.0 114.0



#33
Benzene
Concen: 24.941 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

Tgt Ion: 78 Resp: 406218





#34

Trichloroethene

Concen: 25.007 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 110790

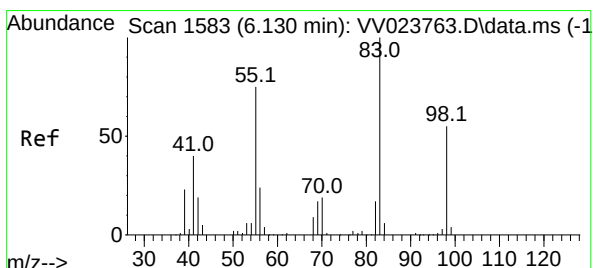
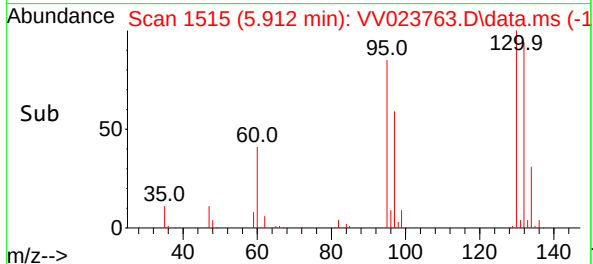
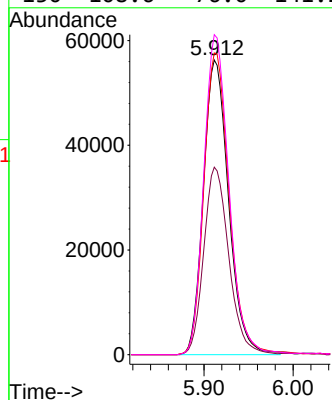
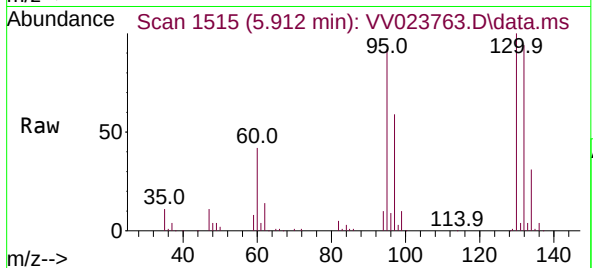
Ion Ratio Lower Upper

95 100

97 63.6 44.5 82.7

132 102.4 71.7 133.1

130 108.6 76.0 141.2



#35

Methylcyclohexane

Concen: 25.977 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

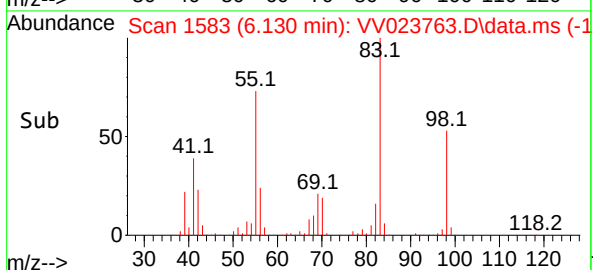
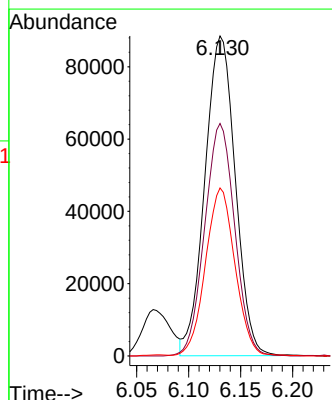
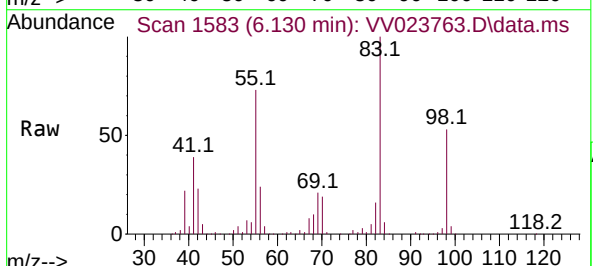
Tgt Ion: 83 Resp: 180590

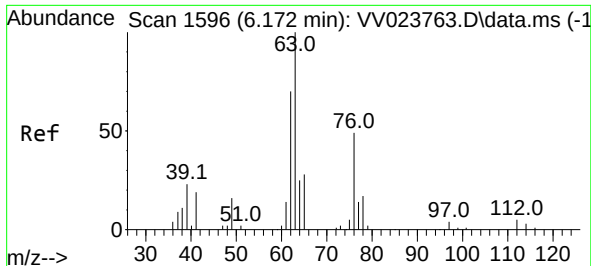
Ion Ratio Lower Upper

83 100

55 71.8 57.4 86.2

98 50.5 40.4 60.6





#37

1,2-Dichloropropane

Concen: 23.340 ug/L

RT: 6.172 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

Instrument :

MSVOA_V

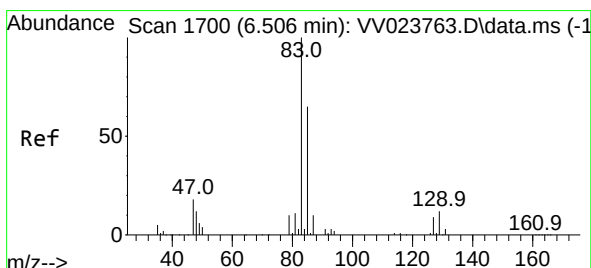
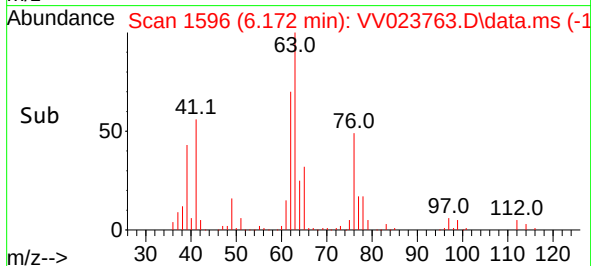
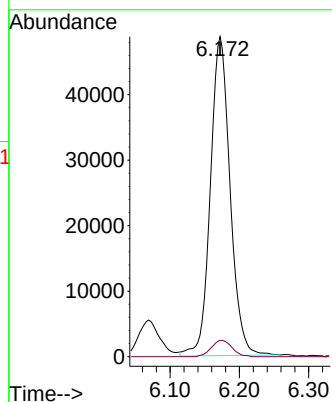
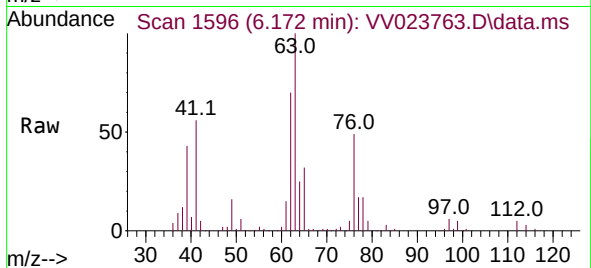
ClientSampleId :

Tgt Ion: 63 Resp: 96065

Ion Ratio Lower Upper

63 100

112 5.4 4.3 6.5



#38

Bromodichloromethane

Concen: 24.880 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

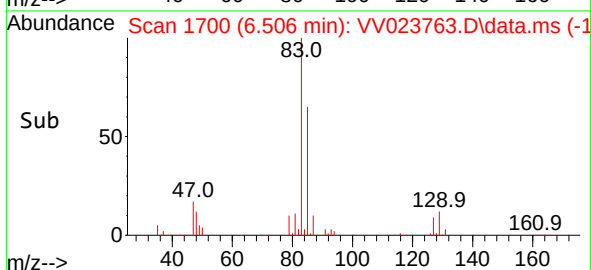
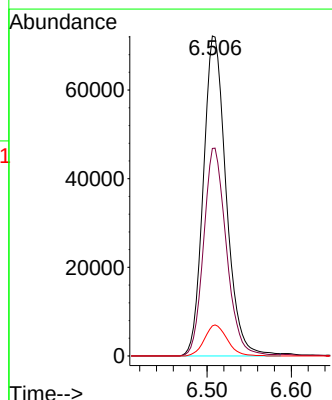
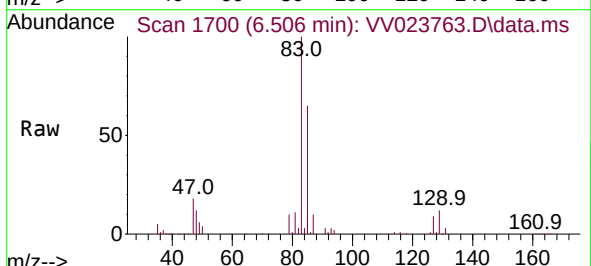
Tgt Ion: 83 Resp: 136145

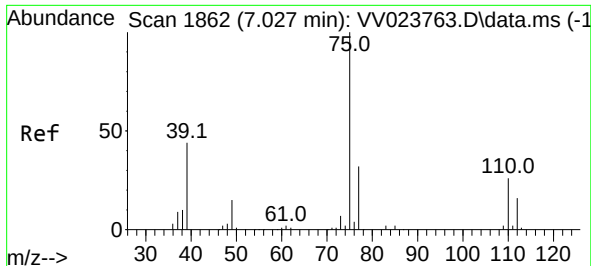
Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

127 9.4 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 24.097 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

Instrument :

MSVOA_V

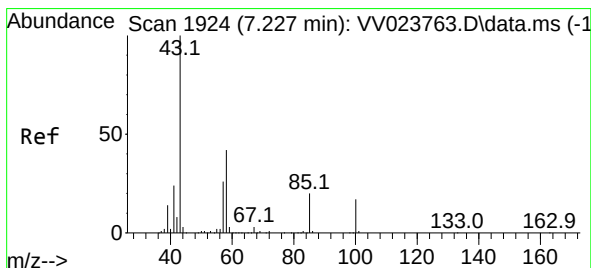
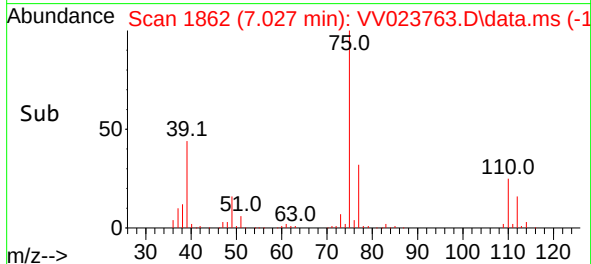
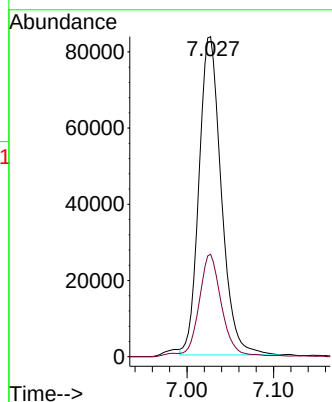
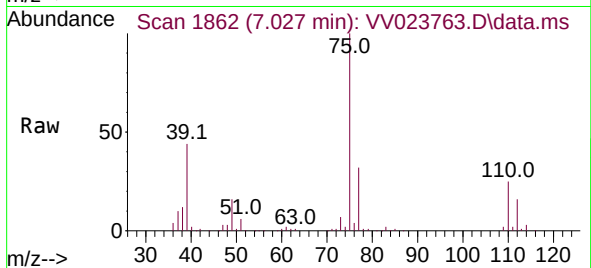
ClientSampleId :

Tgt Ion: 75 Resp: 149418

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 37.476 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

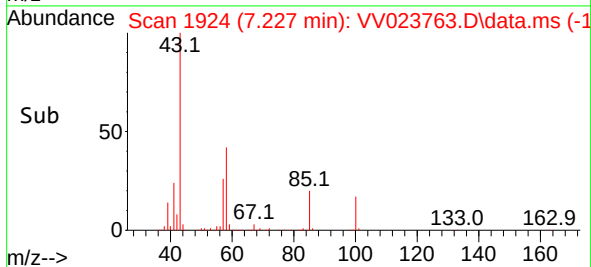
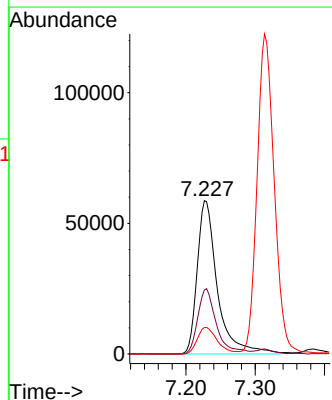
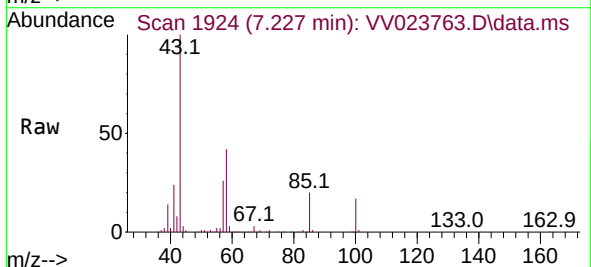
Tgt Ion: 43 Resp: 118769

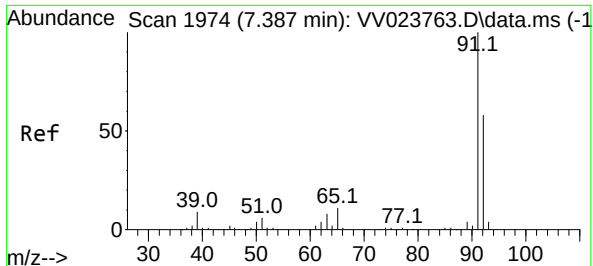
Ion Ratio Lower Upper

43 100

58 39.5 31.6 47.4

100 17.2 13.8 20.6





#42

Toluene

Concen: 26.165 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

Instrument :

MSVOA_V

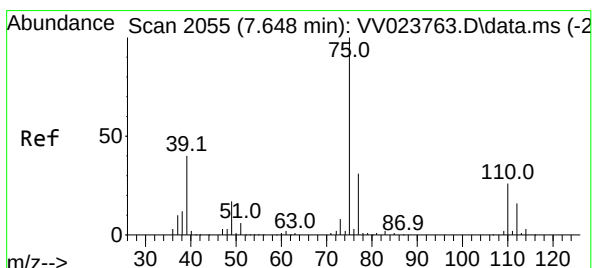
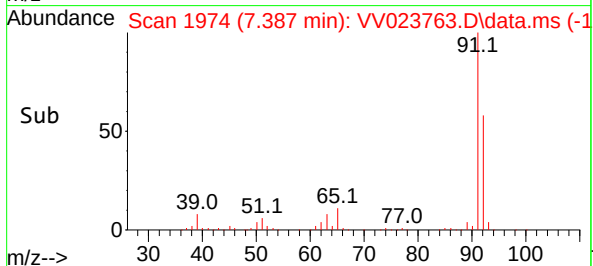
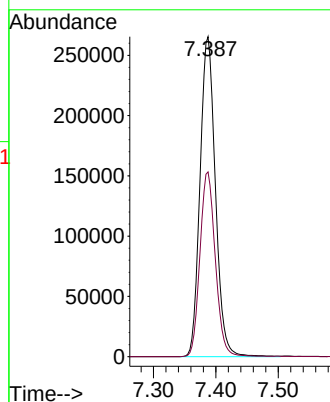
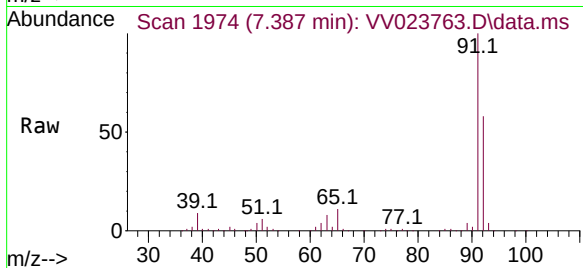
ClientSampleId :

Tgt Ion: 91 Resp: 456289

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 26.908 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV023763.D

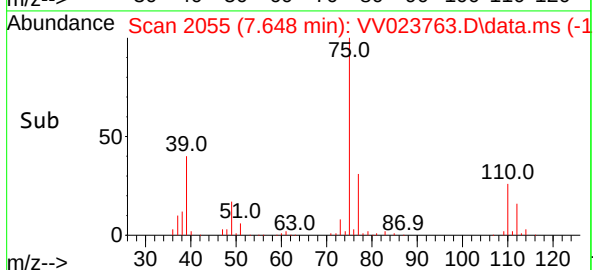
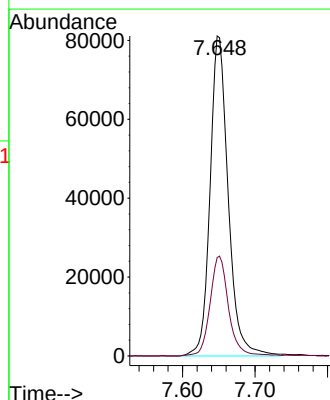
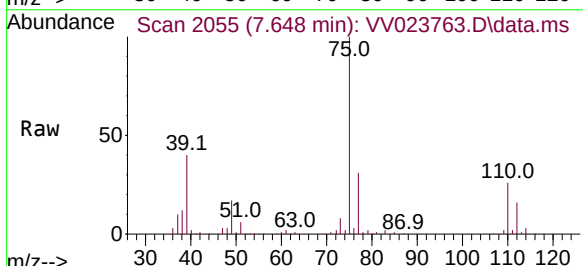
Acq: 01 Dec 2021 20:13

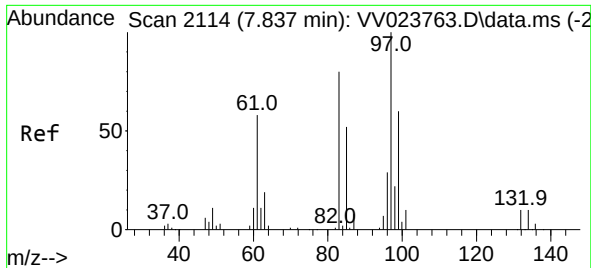
Tgt Ion: 75 Resp: 140974

Ion Ratio Lower Upper

75 100

77 30.7 21.5 39.9

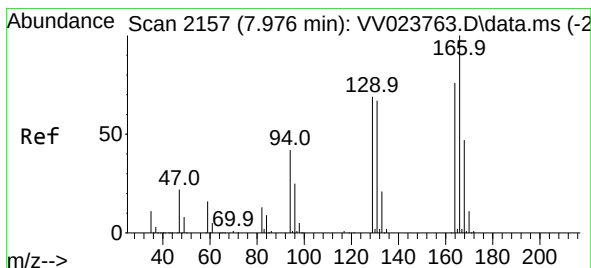
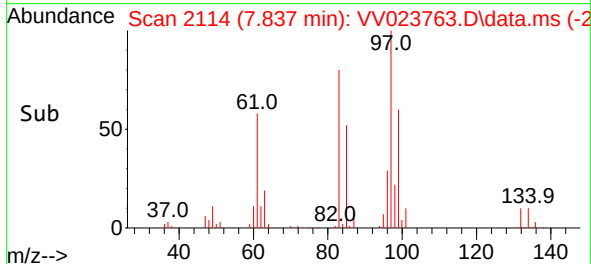
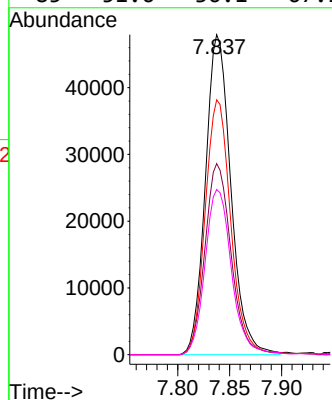
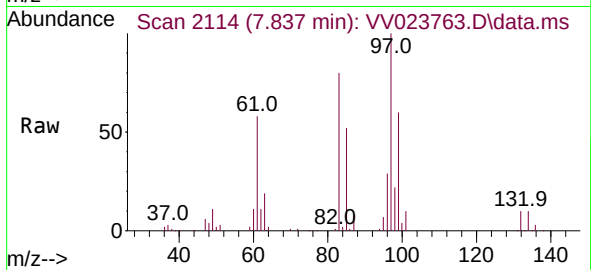




#45
1,1,2-Trichloroethane
Concen: 23.357 ug/L
RT: 7.837 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

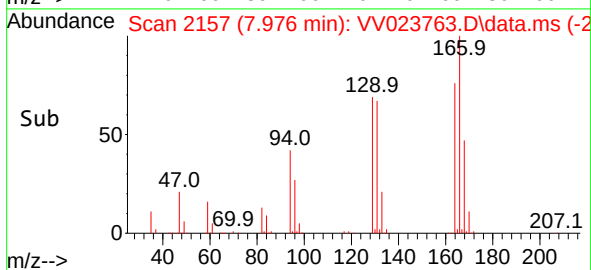
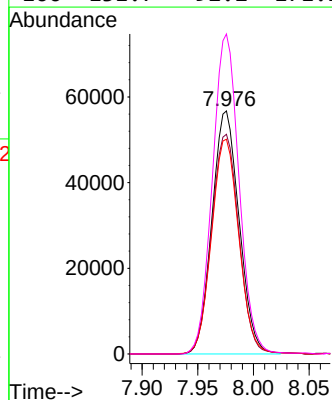
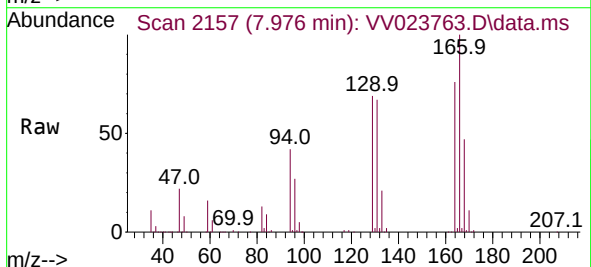
Instrument :
MSVOA_V
ClientSampleId :

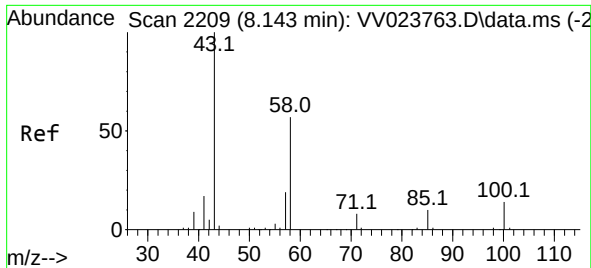
Tgt Ion:	97	Resp:	81757
Ion	Ratio	Lower	Upper
97	100		
99	59.7	41.8	77.6
83	79.7	55.8	103.6
85	51.6	36.1	67.1



#46
Tetrachloroethene
Concen: 26.093 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

Tgt Ion:	164	Resp:	96375
Ion	Ratio	Lower	Upper
164	100		
129	90.4	63.3	117.5
131	88.3	61.8	114.8
166	131.7	92.2	171.2

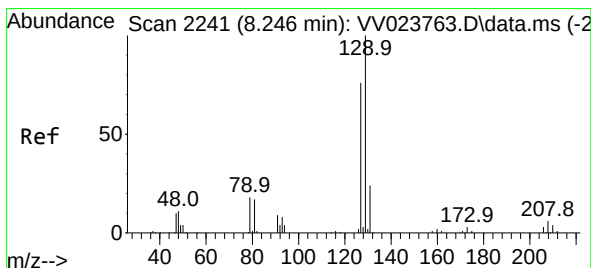
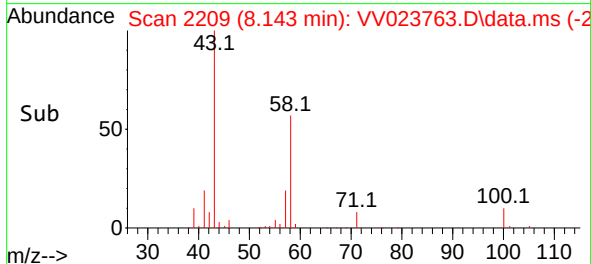
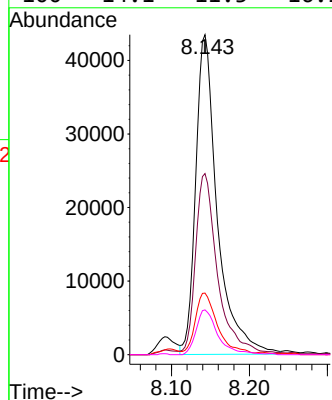
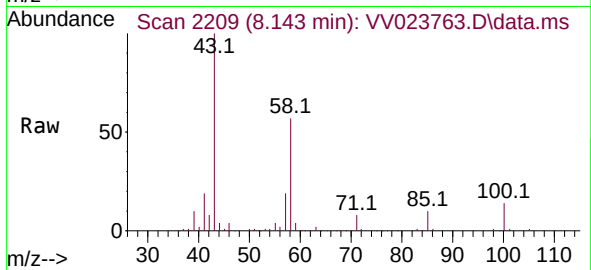




#48
2-Hexanone
Concen: 36.743 ug/L
RT: 8.143 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

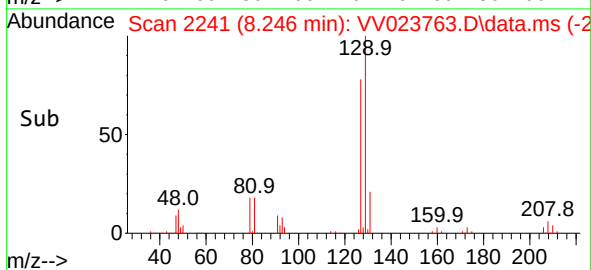
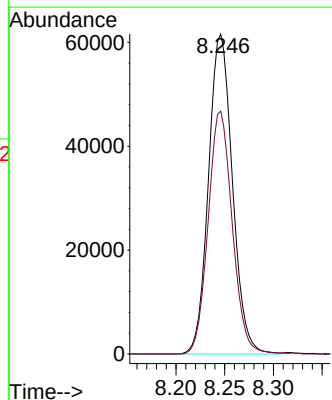
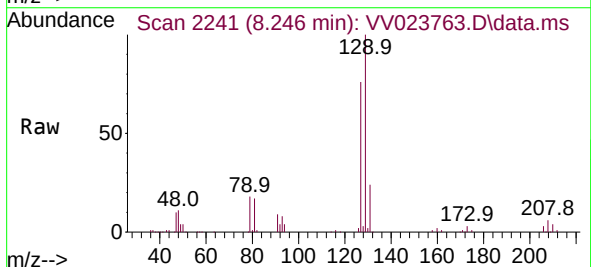
Instrument :
MSVOA_V
ClientSampleId :

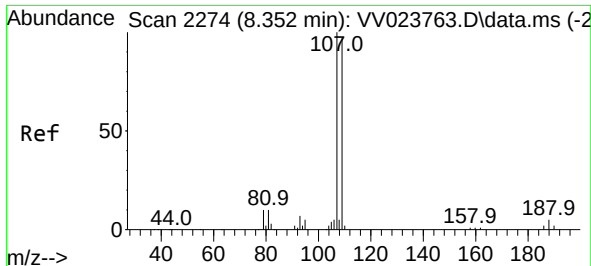
Tgt Ion: 43	Resp: 83953
Ion Ratio	Lower Upper
43 100	
58 57.5	45.8 68.8
57 19.6	15.6 23.4
100 14.1	11.3 16.9



#49
Dibromochloromethane
Concen: 25.841 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

Tgt Ion:129	Resp: 105280		
Ion Ratio	Lower	Upper	
129 100			
127 75.9	53.1	98.7	

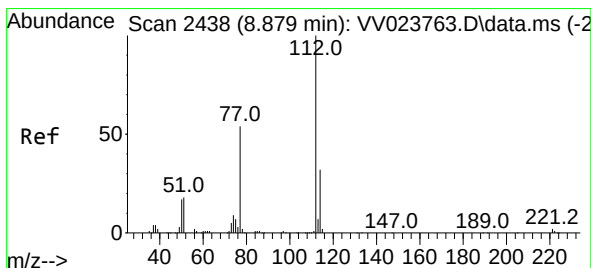
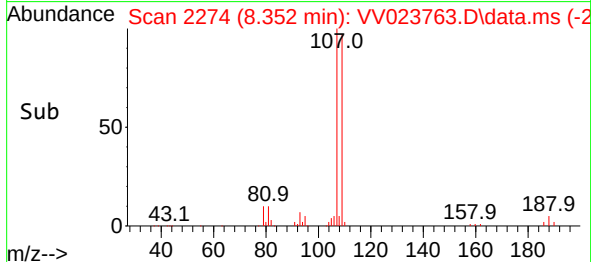
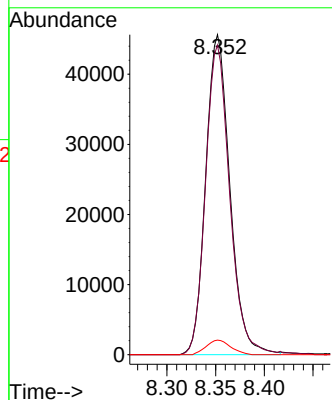
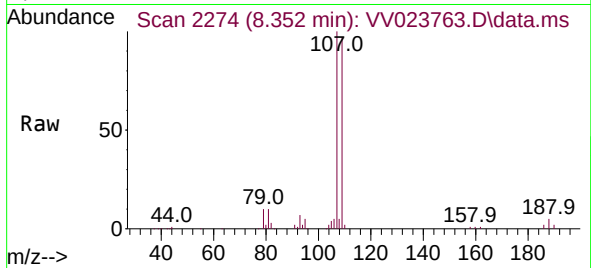




#50
 1,2-Dibromoethane
 Concen: 22.904 ug/L
 RT: 8.352 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV023763.D
 Acq: 01 Dec 2021 20:13

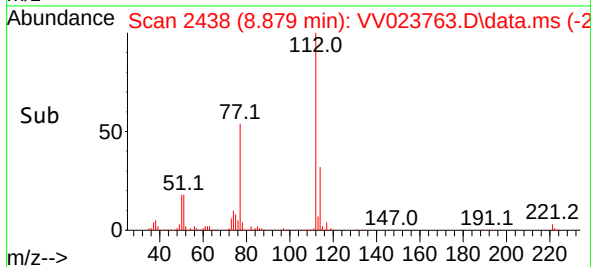
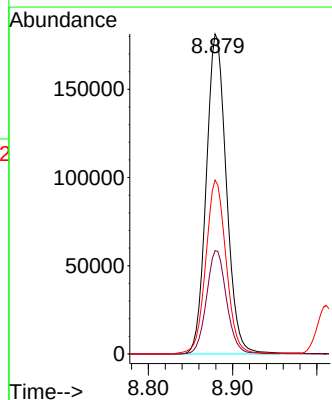
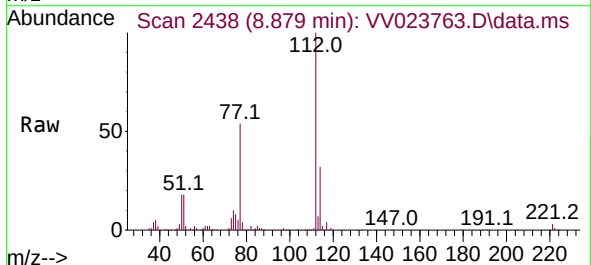
Instrument :
 MSVOA_V
 ClientSampleId :

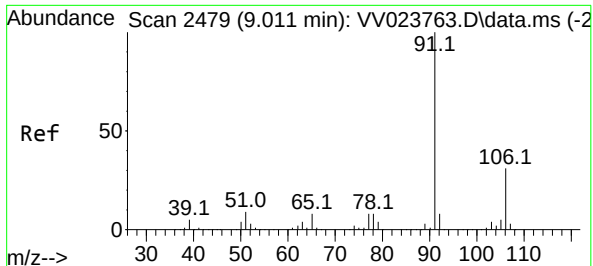
Tgt Ion:107 Resp: 78792
 Ion Ratio Lower Upper
 107 100
 109 96.8 67.8 125.8
 188 4.5 3.6 5.4



#51
 Chlorobenzene
 Concen: 25.469 ug/L
 RT: 8.879 min Scan# 2438
 Delta R.T. 0.000 min
 Lab File: VV023763.D
 Acq: 01 Dec 2021 20:13

Tgt Ion:112 Resp: 301240
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.6 42.0
 77 54.4 43.5 65.3





#52

Ethylbenzene

Concen: 25.849 ug/L

RT: 9.011 min Scan# 2479

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

Instrument :

MSVOA_V

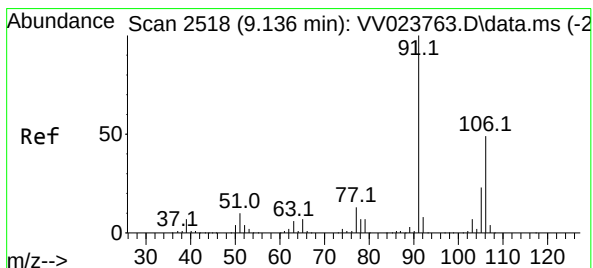
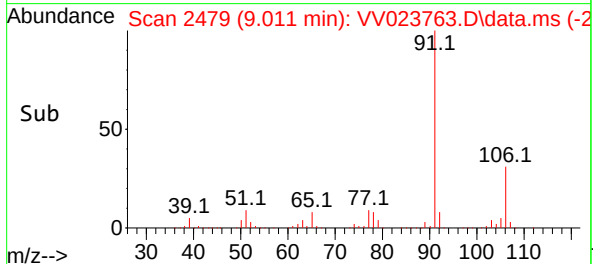
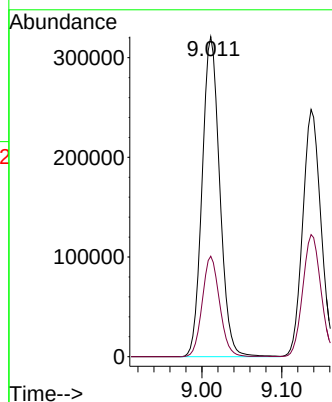
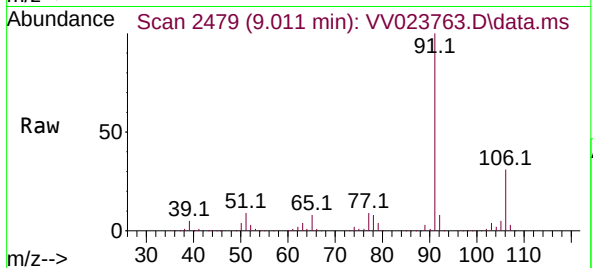
ClientSampleId :

Tgt Ion: 91 Resp: 492914

Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



#53

m,p-Xylene

Concen: 26.554 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV023763.D

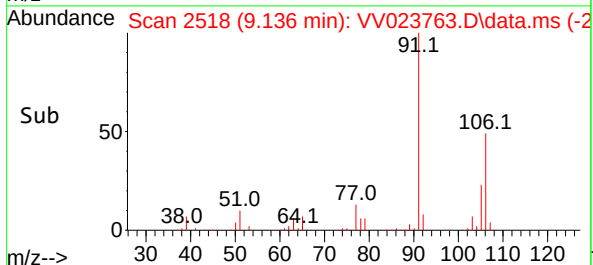
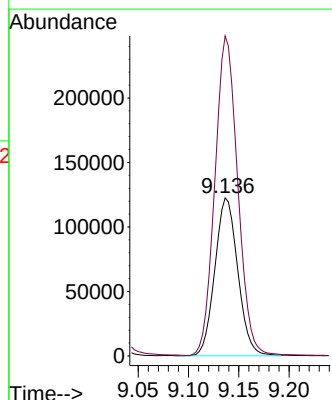
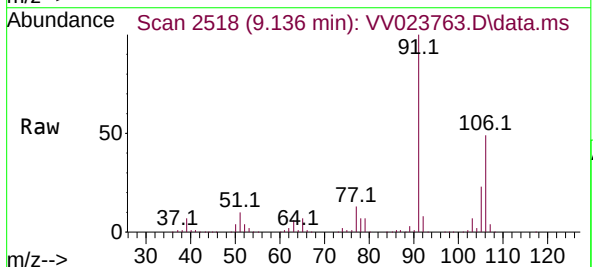
Acq: 01 Dec 2021 20:13

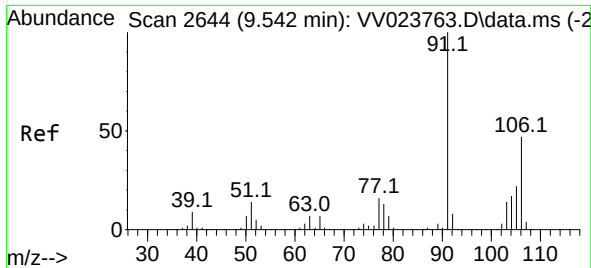
Tgt Ion: 106 Resp: 194175

Ion Ratio Lower Upper

106 100

91 202.5 141.7 263.3

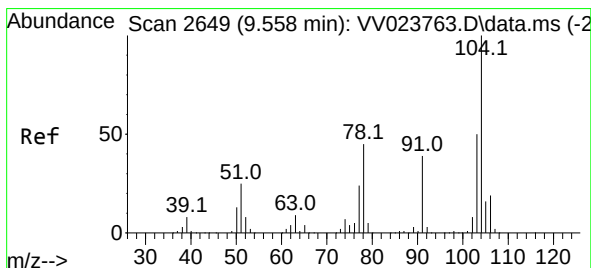
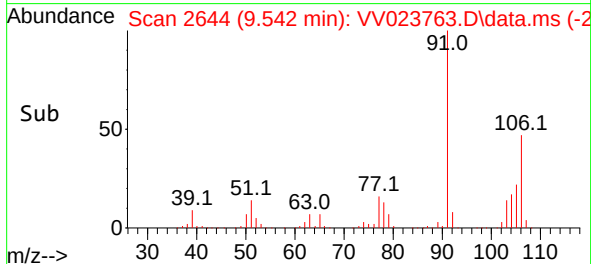
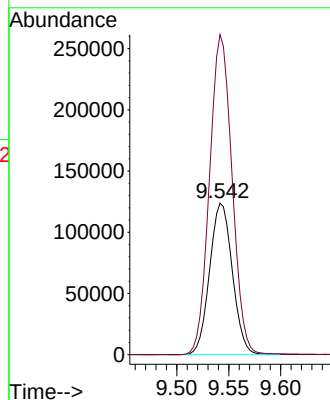
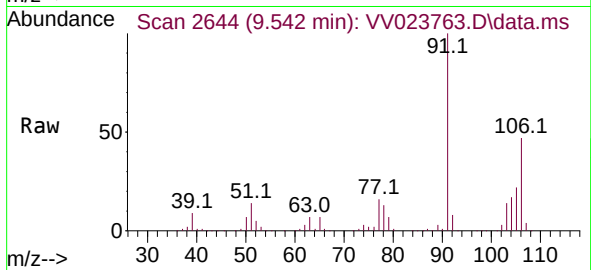




#54
o-Xylene
Concen: 26.847 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

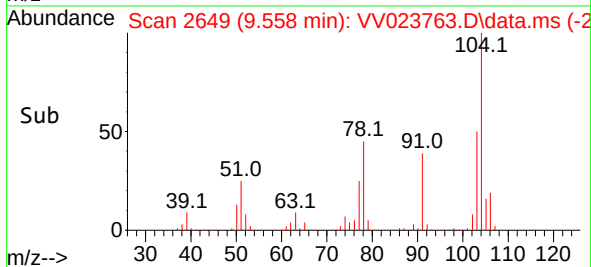
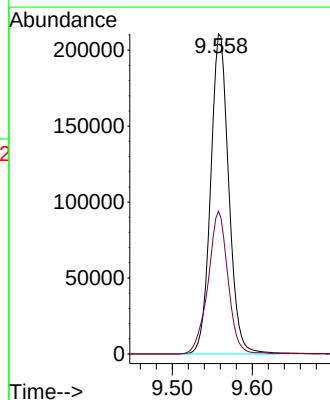
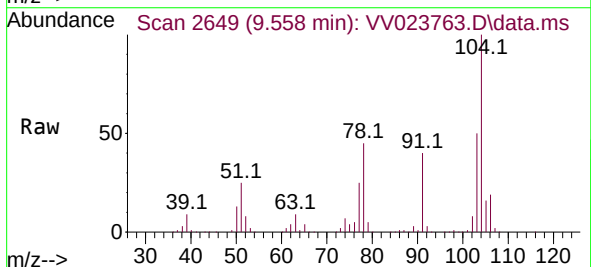
Instrument :
MSVOA_V
ClientSampleId :

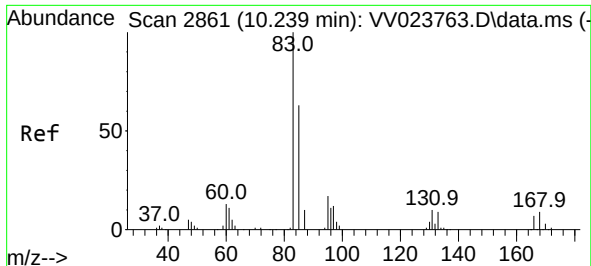
Tgt Ion:106 Resp: 188282
Ion Ratio Lower Upper
106 100
91 211.2 147.8 274.6



#55
Styrene
Concen: 27.048 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

Tgt Ion:104 Resp: 331706
Ion Ratio Lower Upper
104 100
78 44.6 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 21.653 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

Instrument :

MSVOA_V

ClientSampleId :

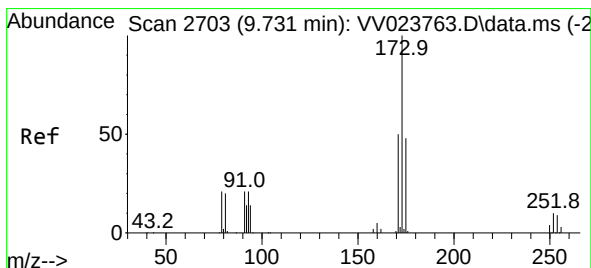
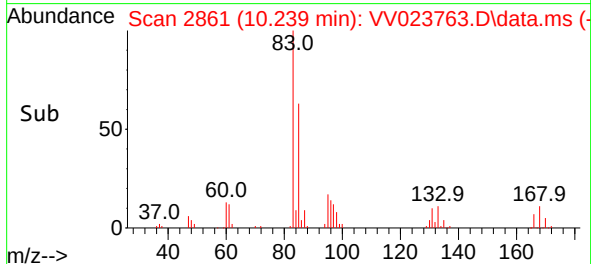
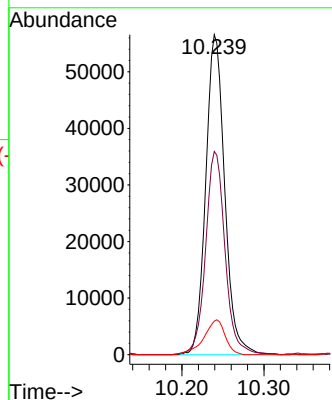
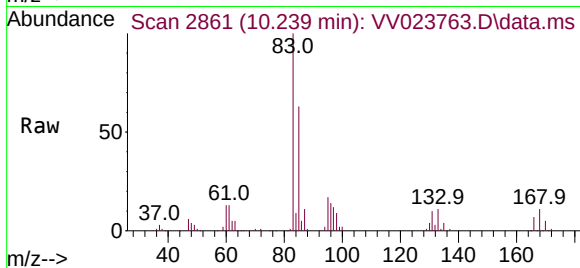
Tgt Ion: 83 Resp: 90935

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5

131 10.5 8.4 12.6



#59

Bromoform

Concen: 23.299 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

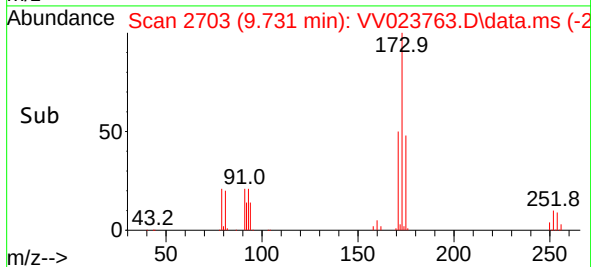
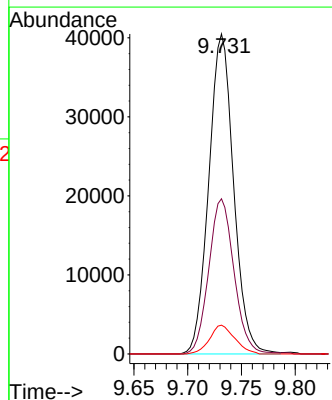
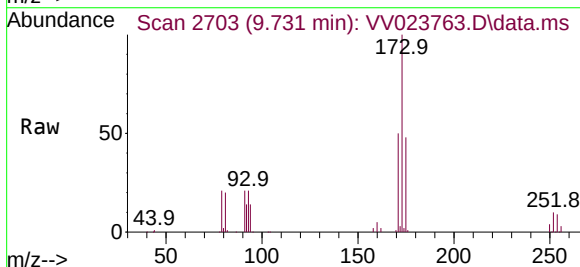
Tgt Ion: 173 Resp: 65047

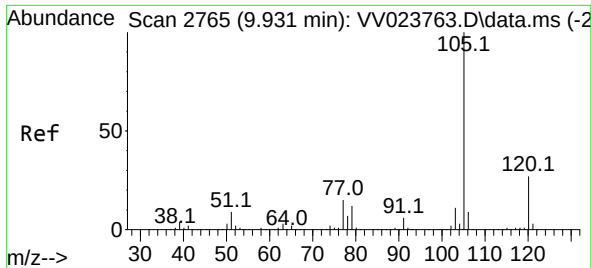
Ion Ratio Lower Upper

173 100

175 49.2 0.0 0.0#

254 9.1 0.0 0.0#

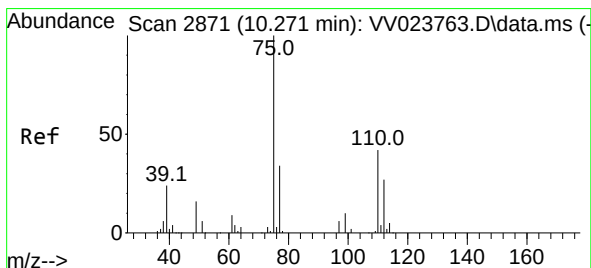
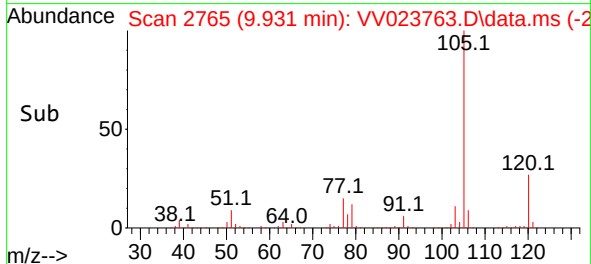
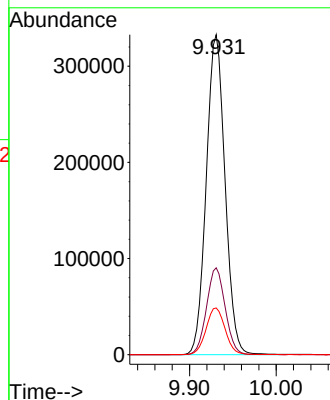
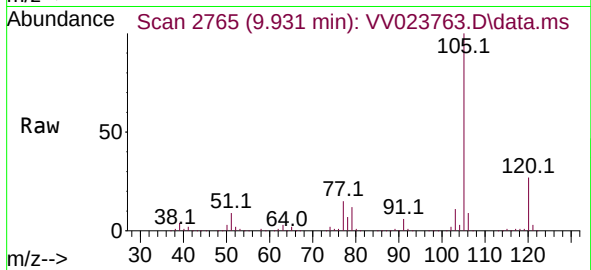




#60
Isopropylbenzene
Concen: 25.362 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

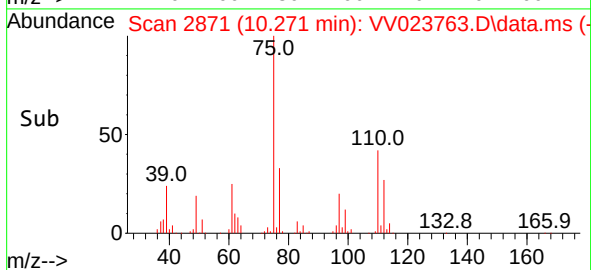
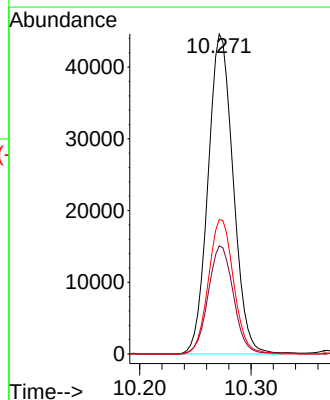
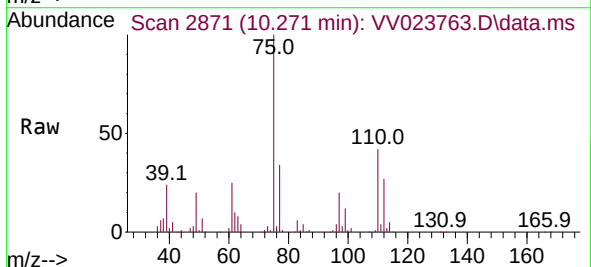
Instrument :
MSVOA_V
ClientSampleId :

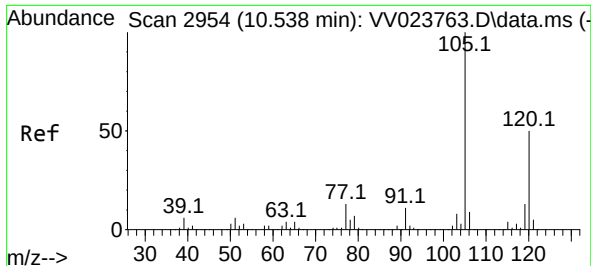
Tgt Ion:105 Resp: 501022
Ion Ratio Lower Upper
105 100
120 27.0 21.6 32.4
77 14.9 11.9 17.9



#61
1,2,3-Trichloropropane
Concen: 19.488 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

Tgt Ion: 75 Resp: 69958
Ion Ratio Lower Upper
75 100
77 33.8 27.0 40.6
110 42.1 33.7 50.5





#62

1,3,5-Trimethylbenzene

Concen: 27.207 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

Instrument :

MSVOA_V

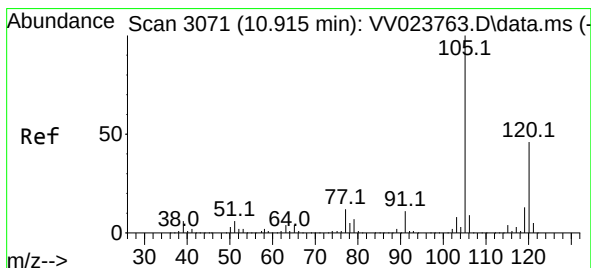
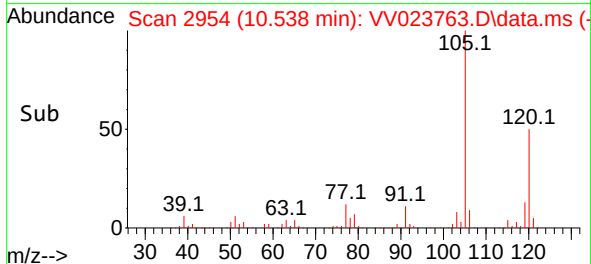
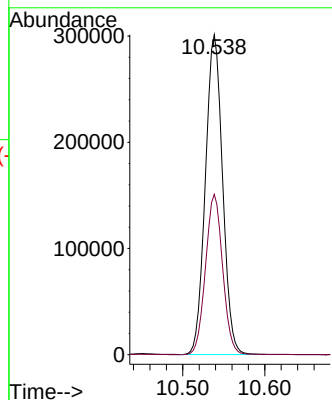
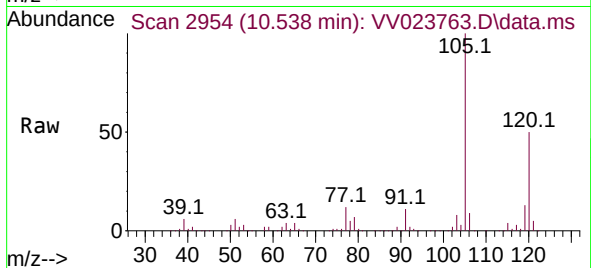
ClientSampleId :

Tgt Ion:105 Resp: 438158

Ion Ratio Lower Upper

105 100

120 50.0 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 27.161 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV023763.D

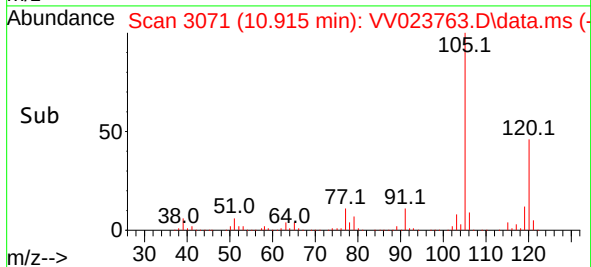
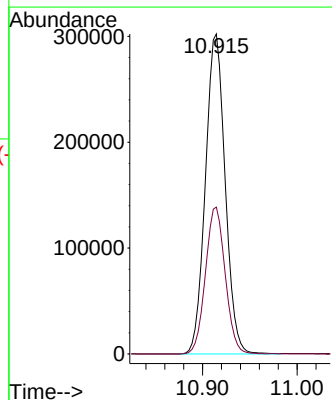
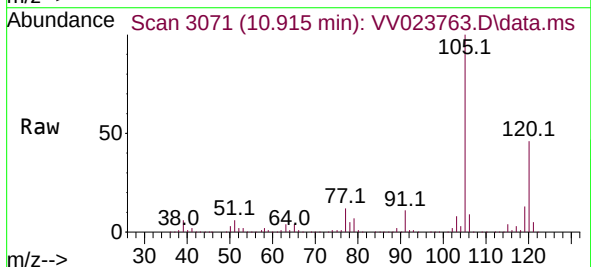
Acq: 01 Dec 2021 20:13

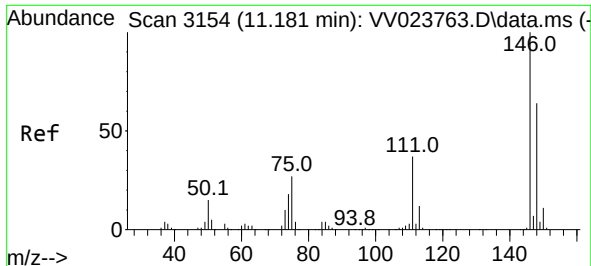
Tgt Ion:105 Resp: 438466

Ion Ratio Lower Upper

105 100

120 45.9 36.7 55.1

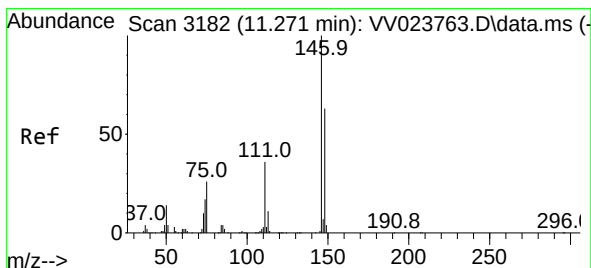
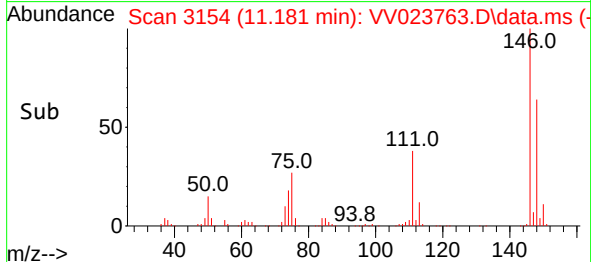
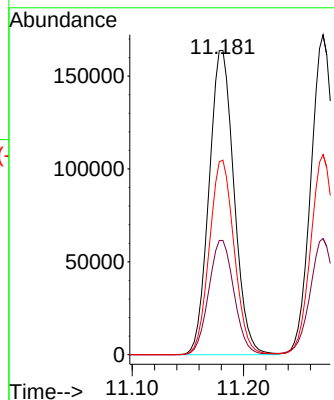
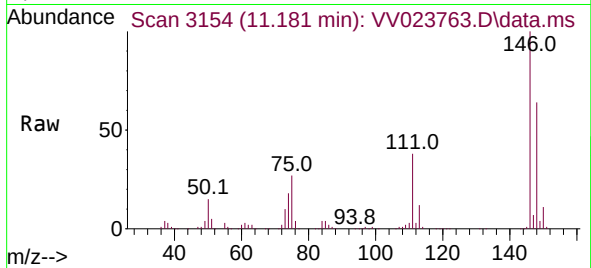




#64
1,3-Dichlorobenzene
Concen: 24.599 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

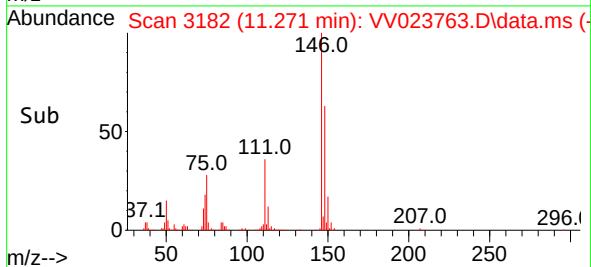
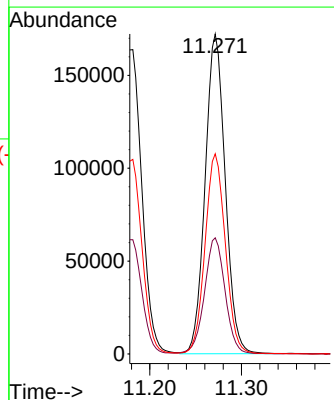
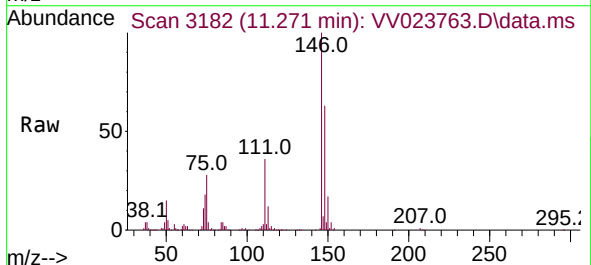
Instrument :
MSVOA_V
ClientSampleId :

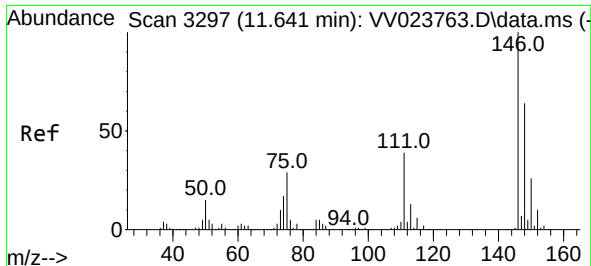
Tgt Ion:146 Resp: 255737
Ion Ratio Lower Upper
146 100
111 37.5 26.2 48.8
148 63.9 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 23.957 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

Tgt Ion:146 Resp: 261931
Ion Ratio Lower Upper
146 100
111 36.3 25.4 47.2
148 62.6 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 23.826 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

Instrument :

MSVOA_V

ClientSampleId :

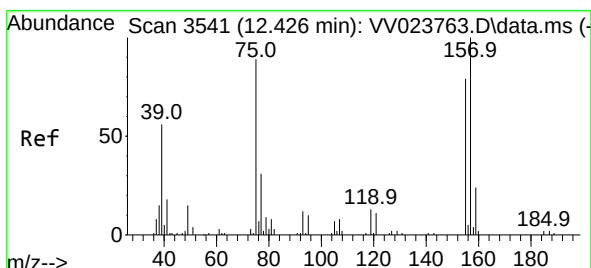
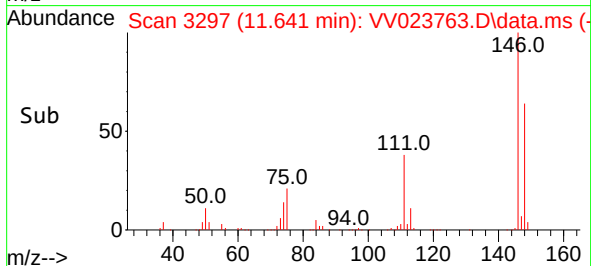
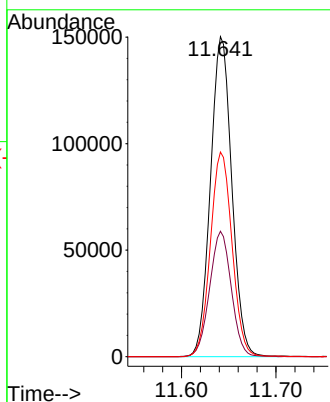
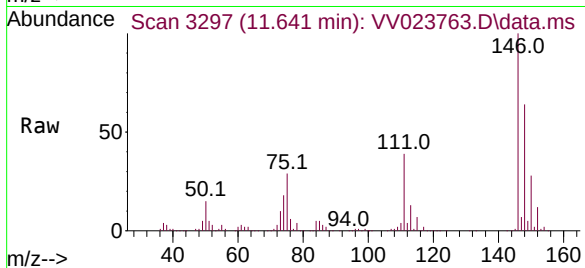
Tgt Ion:146 Resp: 235587

Ion Ratio Lower Upper

146 100

111 39.2 31.4 47.0

148 63.9 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 20.813 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

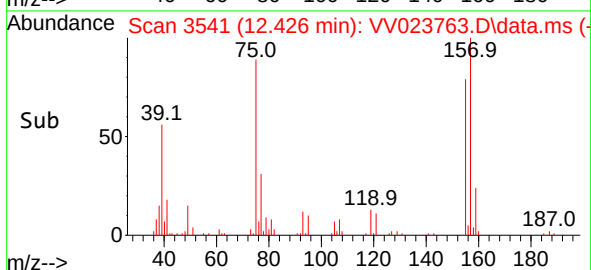
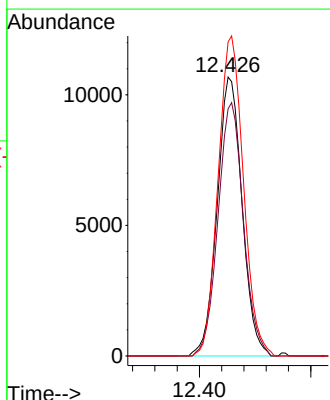
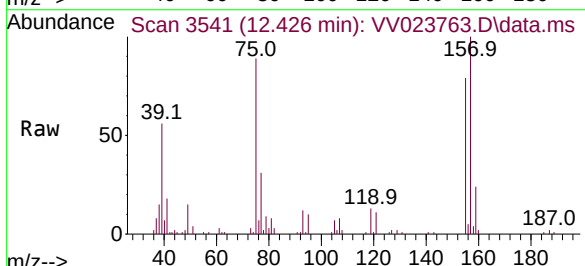
Tgt Ion: 75 Resp: 16552

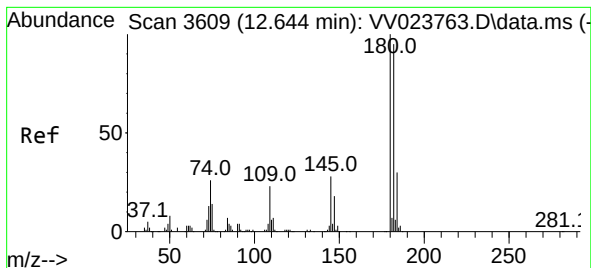
Ion Ratio Lower Upper

75 100

155 88.7 71.0 106.4

157 112.6 90.1 135.1





#69

1,3,5-Trichlorobenzene

Concen: 24.207 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 202280

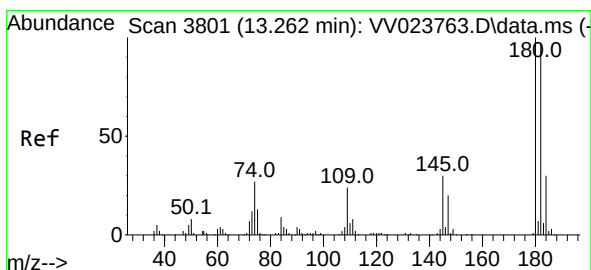
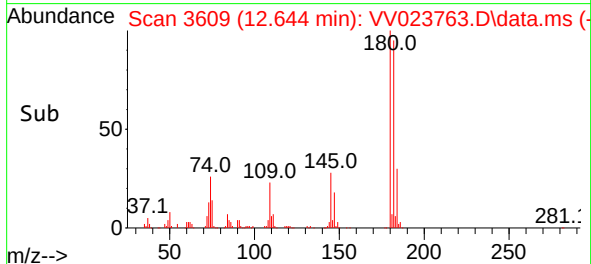
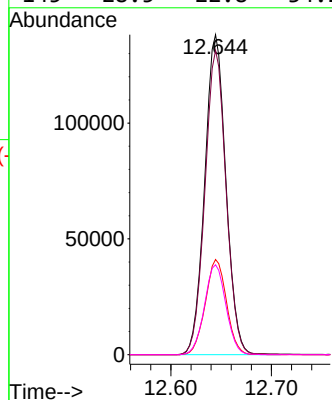
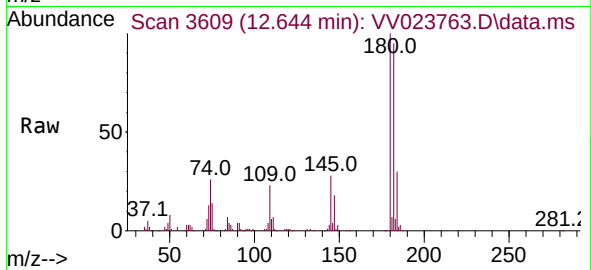
Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.8

184 29.8 23.8 35.8

145 28.5 22.8 34.2



#70

1,2,4-trichlorobenzene

Concen: 22.724 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.000 min

Lab File: VV023763.D

Acq: 01 Dec 2021 20:13

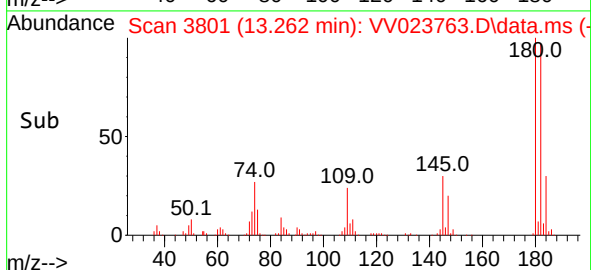
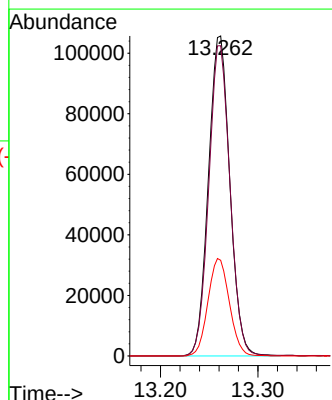
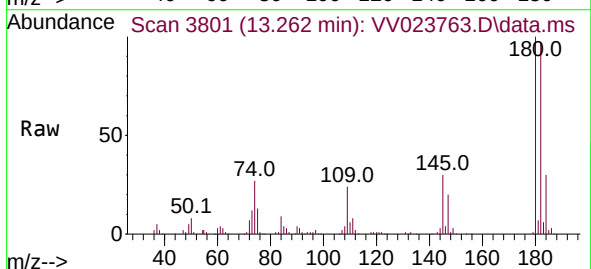
Tgt Ion:180 Resp: 161373

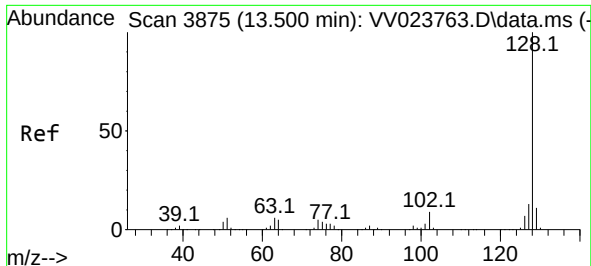
Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

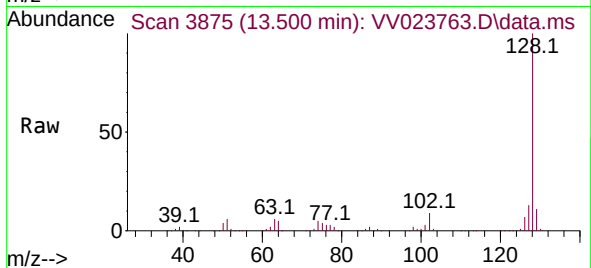
145 30.4 24.3 36.5



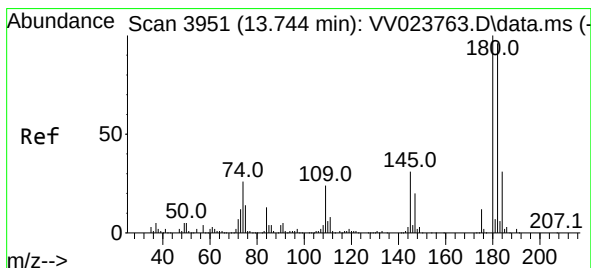
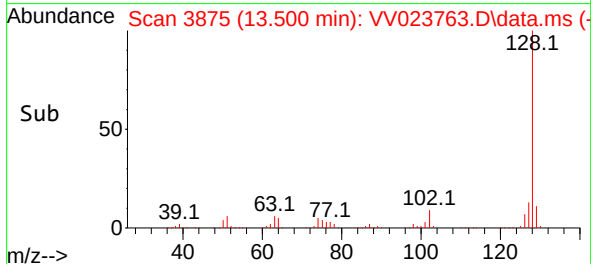
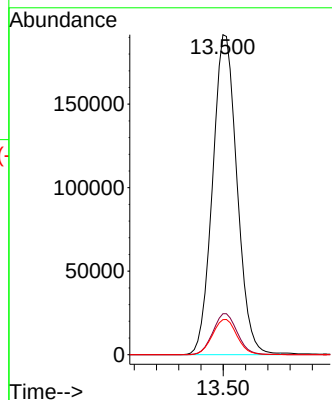


#71
Naphthalene
Concen: 21.459 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 291428
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 21.867 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.000 min
Lab File: VV023763.D
Acq: 01 Dec 2021 20:13

Tgt Ion:180 Resp: 148545
Ion Ratio Lower Upper
180 100
182 95.2 76.2 114.2
145 32.0 25.6 38.4

