

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120221\
 Data File : VW023768.D
 Acq On : 02 Dec 2021 09:49
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 03 01:45:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM120221SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 02 01:12:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	288407	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	280064	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	159894	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	88365	26.047	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.200%
7) Chloroethane-d5	1.568	69	69078	24.803	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.200%
11) 1,1-Dichloroethene-d2	2.108	63	180902	26.053	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.200%
21) 2-Butanone-d5	3.896	46	33394	34.057	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.120%
24) Chloroform-d	4.343	84	180355	23.950	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.800%
26) 1,2-Dichloroethane-d4	5.027	65	96968	23.427	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.720%
32) Benzene-d6	5.043	84	343329	24.347	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.400%
36) 1,2-Dichloropropane-d6	6.066	67	96477	23.347	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.400%
41) Toluene-d8	7.310	98	326621	24.459	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.840%
43) trans-1,3-Dichloroprop...	7.616	79	47086	25.023	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.080%
47) 2-Hexanone-d5	8.088	63	37589	50.861	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.720%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	86443	24.215	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.880%
66) 1,2-Dichlorobenzene-d4	11.622	152	133880	23.587	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	154680	27.812	ug/L	100
3) Chloromethane	1.240	50	130880	26.468	ug/L	100
5) Vinyl chloride	1.310	62	136779	28.938	ug/L	98
6) Bromomethane	1.523	94	85612	26.823	ug/L	96
8) Chloroethane	1.584	64	77957	26.861	ug/L	98
9) Trichlorofluoromethane	1.751	101	221958	29.477	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	115115	29.508	ug/L	98
12) 1,1-Dichloroethene	2.114	96	104736	28.744	ug/L	97
14) Carbon disulfide	2.291	76	382105	29.123	ug/L	99
16) Methylene chloride	2.503	84	118164	21.225	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	124129	28.339	ug/L	98
18) Methyl tert-butyl Ether	2.764	73	260955	26.438	ug/L	99
19) 1,1-Dichloroethane	3.185	63	193280	26.989	ug/L	97
20) cis-1,2-Dichloroethene	3.905	96	119733	26.755	ug/L	98
22) 2-Butanone	3.982	43	49236	42.536	ug/L	96
23) Bromochloromethane	4.243	128	60229	26.609	ug/L	98
25) Chloroform	4.368	83	210524	26.677	ug/L	100
27) 1,2-Dichloroethane	5.124	62	136718	26.640	ug/L	100
29) Cyclohexane	4.674	56	188909	30.636	ug/L	100

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 Response via : Initial Calibration

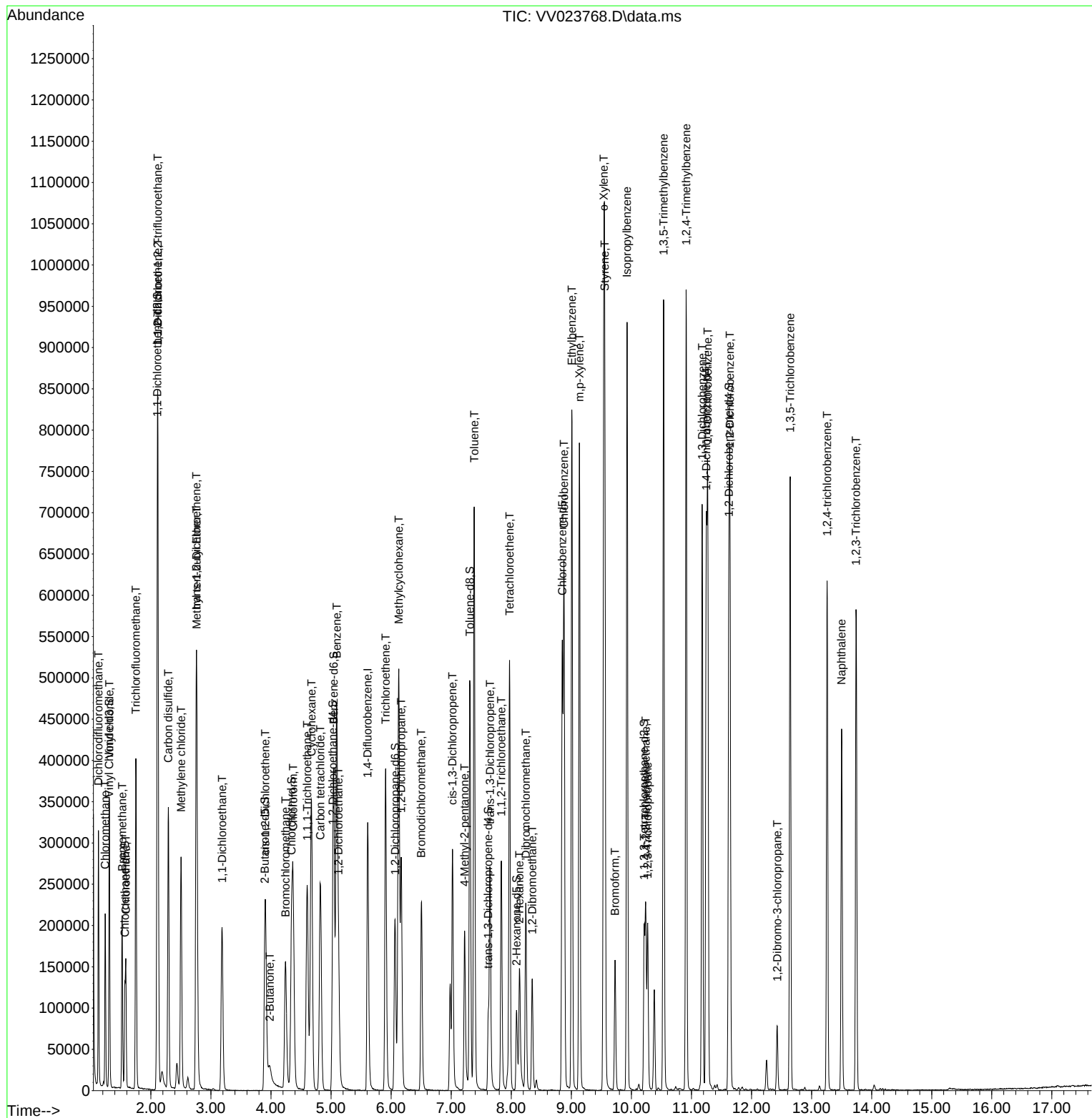
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.603	97	204546	28.948	ug/L	99
31) Carbon tetrachloride	4.822	117	191213	29.894	ug/L	99
33) Benzene	5.095	78	455461	27.803	ug/L	100
34) Trichloroethene	5.908	95	128560	28.563	ug/L	99
35) Methylcyclohexane	6.127	83	219049	30.997	ug/L	99
37) 1,2-Dichloropropane	6.169	63	104966	27.592	ug/L	99
38) Bromodichloromethane	6.503	83	147407	26.591	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	165753	27.397	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	129184	55.278	ug/L	99
42) Toluene	7.384	91	514186	28.687	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	154780	27.872	ug/L	96
45) 1,1,2-Trichloroethane	7.834	97	86585	26.125	ug/L	97
46) Tetrachloroethene	7.973	164	115206	28.796	ug/L	97
48) 2-Hexanone	8.137	43	99733	58.693	ug/L	98
49) Dibromochloromethane	8.243	129	115285	26.983	ug/L	99
50) 1,2-Dibromoethane	8.349	107	89083	27.457	ug/L	98
51) Chlorobenzene	8.879	112	331722	27.019	ug/L	99
52) Ethylbenzene	9.008	91	559083	28.920	ug/L	100
53) m,p-Xylene	9.137	106	222096	29.063	ug/L	97
54) o-Xylene	9.542	106	206868	28.413	ug/L	100
55) Styrene	9.558	104	362209	28.788	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	98792	26.619	ug/L	99
59) Bromoform	9.728	173	71629	27.335	ug/L #	100
60) Isopropylbenzene	9.927	105	579728	29.711	ug/L	99
61) 1,2,3-Trichloropropane	10.272	75	74209	26.321	ug/L	97
62) 1,3,5-Trimethylbenzene	10.535	105	501686	29.485	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	496167	29.421	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	283209	27.347	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	284765	26.897	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	256690	27.036	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	18123	26.481	ug/L	91
69) 1,3,5-Trichlorobenzene	12.644	180	230441	28.173	ug/L	100
70) 1,2,4-trichlorobenzene	13.259	180	186066	27.972	ug/L	100
71) Naphthalene	13.500	128	337038	28.547	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	168664	28.096	ug/L	100

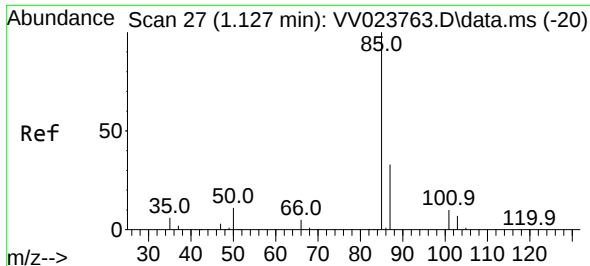
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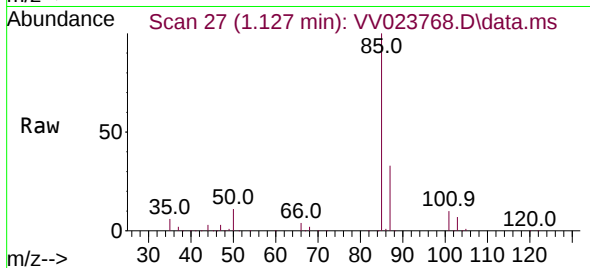
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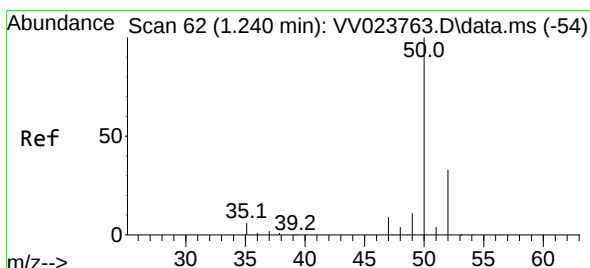
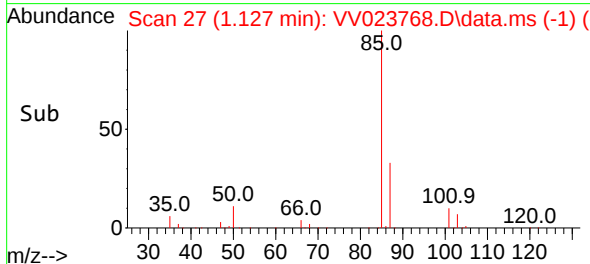
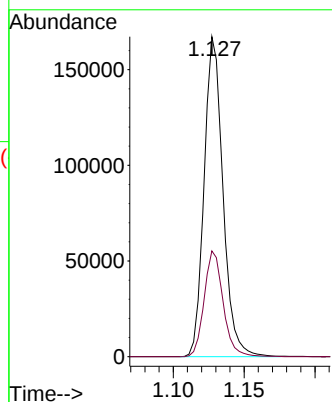


#2
 Dichlorodifluoromethane
 Concen: 27.812 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV023768.D
 Acq: 02 Dec 2021 09:49

Instrument :
 MSVOA_V
 ClientSampleId :

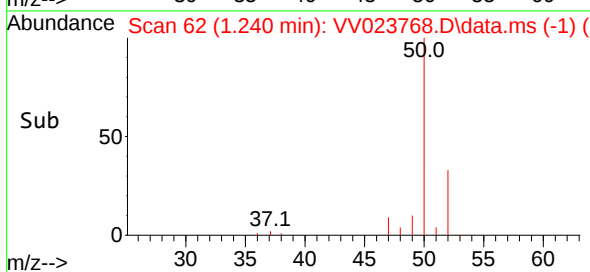
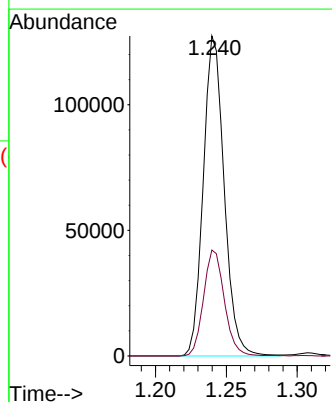
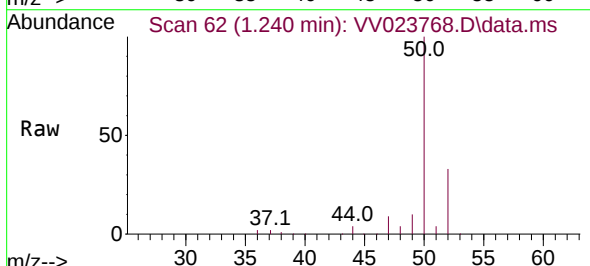


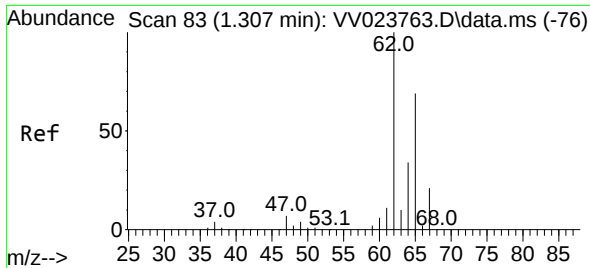
Tgt Ion: 85 Resp: 154680
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.6 40.0



#3
 Chloromethane
 Concen: 26.468 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV023768.D
 Acq: 02 Dec 2021 09:49

Tgt Ion: 50 Resp: 130880
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.3 43.3

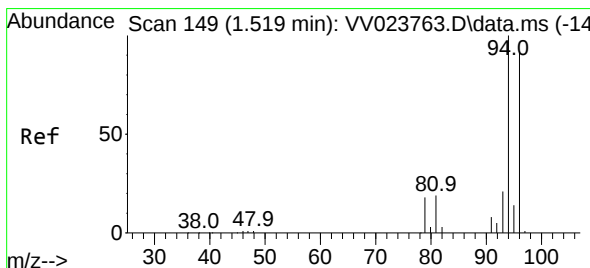
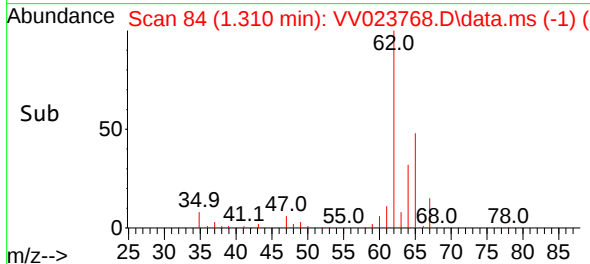
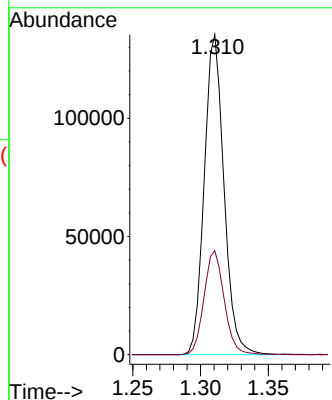
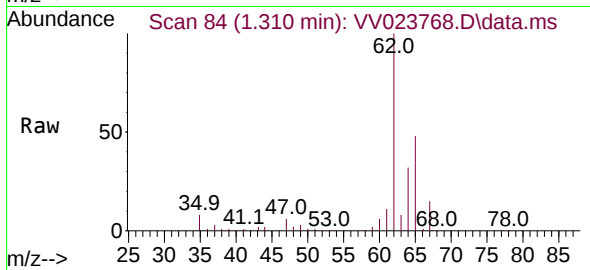




#5
 Vinyl chloride
 Concen: 28.938 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023768.D
 Acq: 02 Dec 2021 09:49

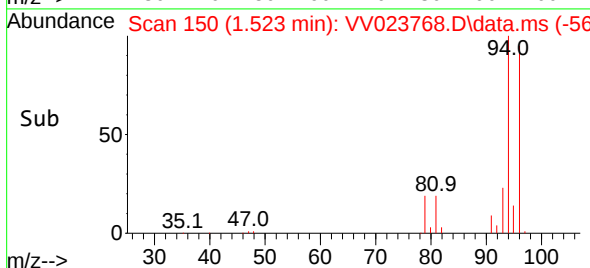
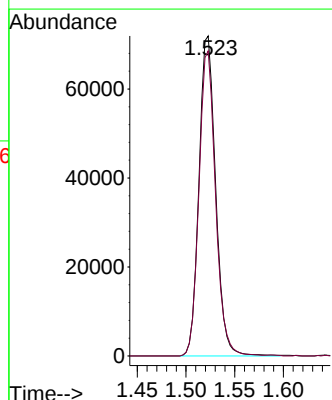
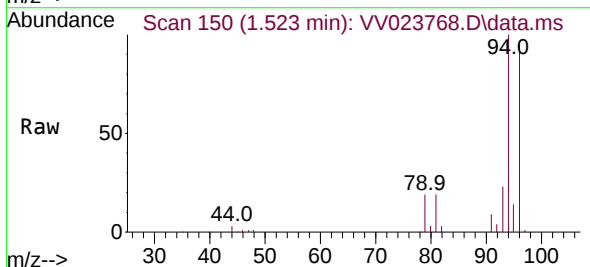
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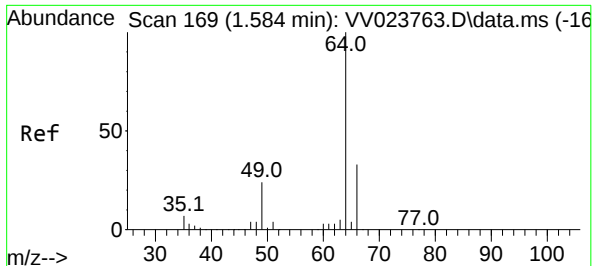
Tgt Ion: 62 Resp: 136779
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.5 43.7



#6
 Bromomethane
 Concen: 26.823 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.003 min
 Lab File: VV023768.D
 Acq: 02 Dec 2021 09:49

Tgt Ion: 94 Resp: 85612
 Ion Ratio Lower Upper
 94 100
 96 95.4 64.1 119.1

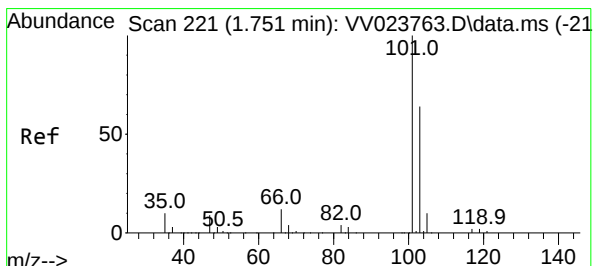
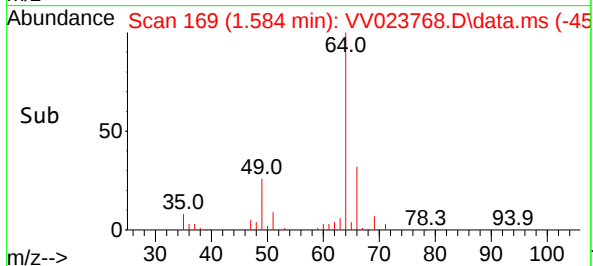
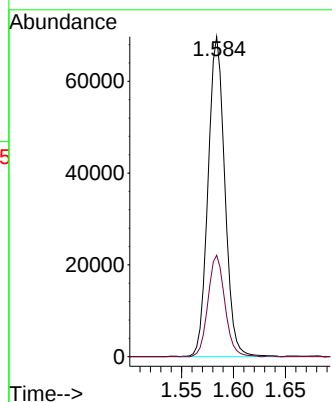
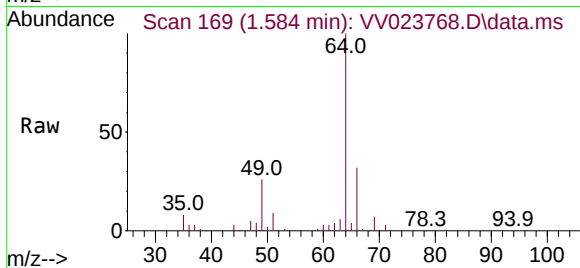




#8
Chloroethane
Concen: 26.861 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

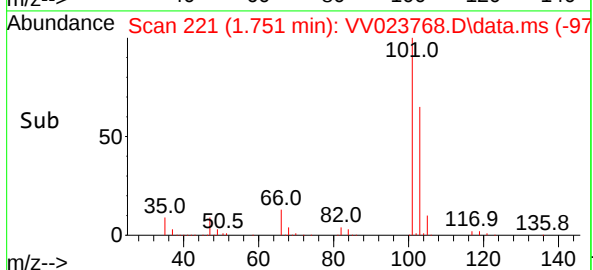
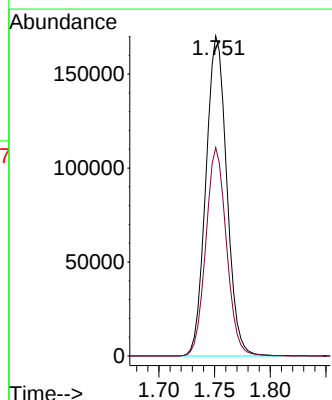
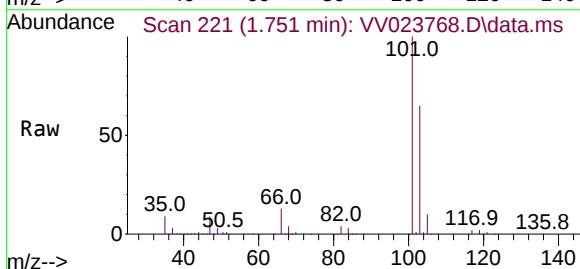
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MSVOA_V
ClientSampleId :

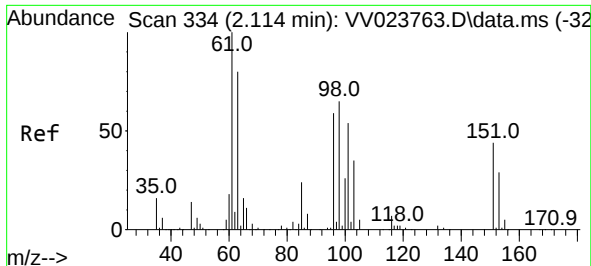
Tgt Ion: 64 Resp: 77957
Ion Ratio Lower Upper
64 100
66 31.7 23.0 42.6



#9
Trichlorofluoromethane
Concen: 29.477 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

Tgt Ion:101 Resp: 221958
Ion Ratio Lower Upper
101 100
103 64.4 51.3 76.9

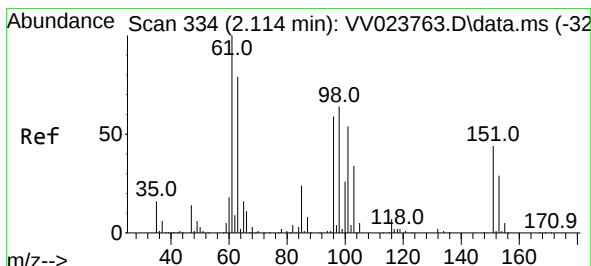
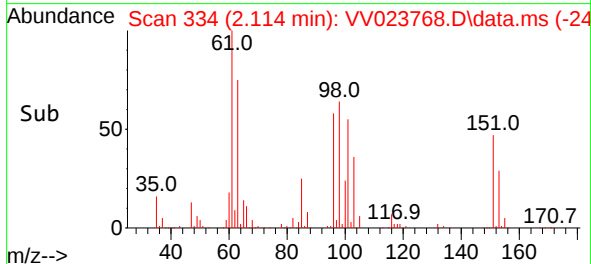
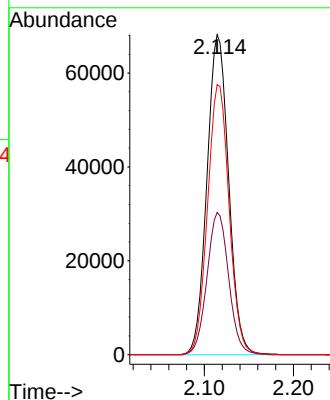
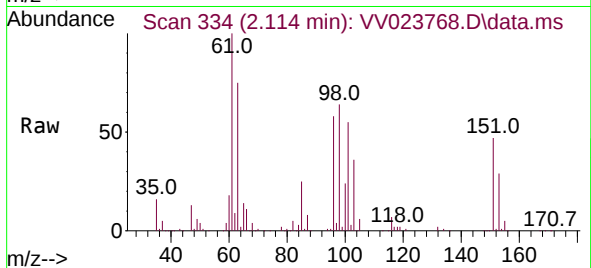




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 29.508 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV023768.D
 Acq: 02 Dec 2021 09:49

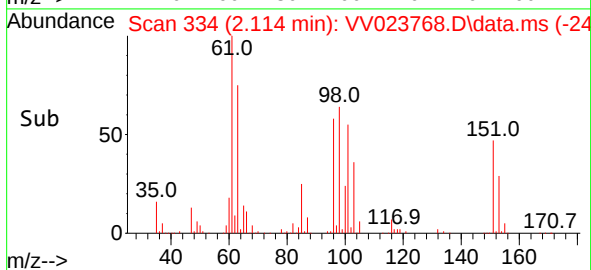
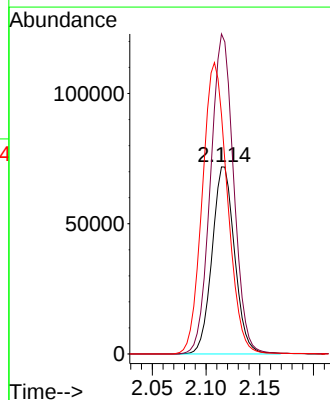
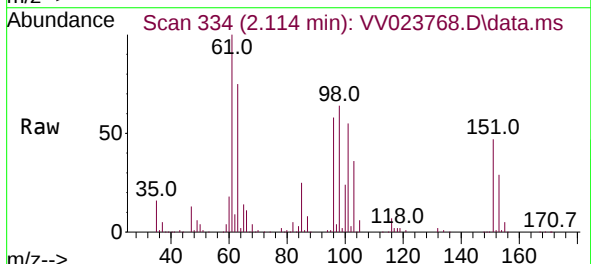
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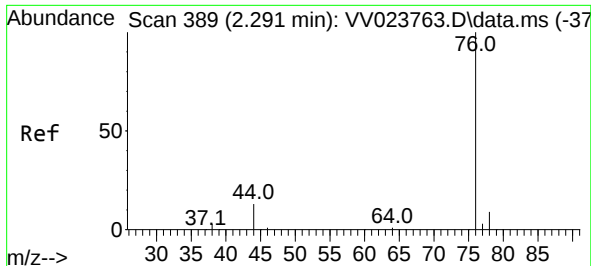
Tgt Ion:101 Resp: 115115
 Ion Ratio Lower Upper
 101 100
 85 44.5 35.1 52.7
 151 84.2 65.6 98.4



#12
 1,1-Dichloroethene
 Concen: 28.744 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV023768.D
 Acq: 02 Dec 2021 09:49

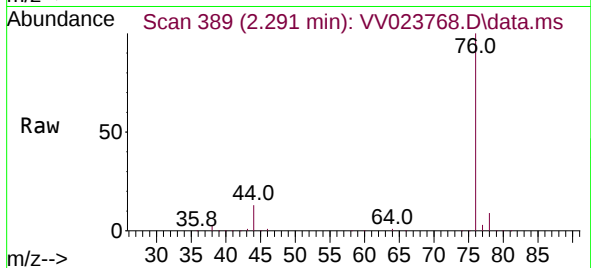
Tgt Ion: 96 Resp: 104736
 Ion Ratio Lower Upper
 96 100
 61 171.0 119.4 221.8
 63 128.0 95.4 177.2



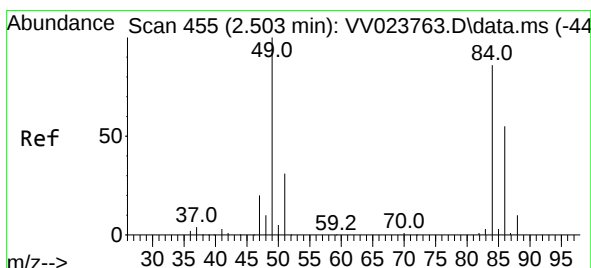
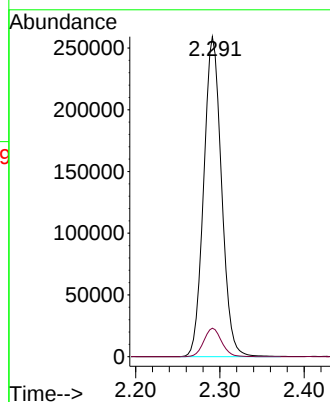
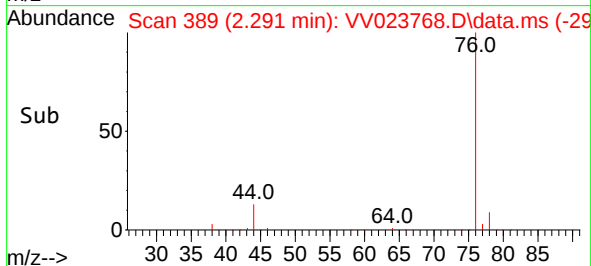


#14
Carbon disulfide
Concen: 29.123 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.000 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

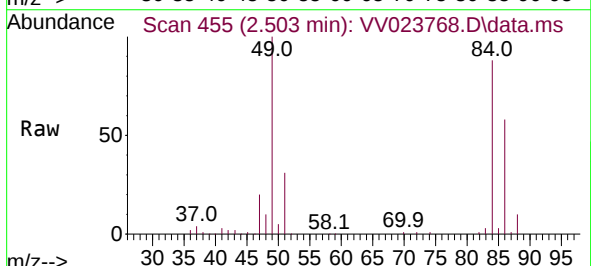
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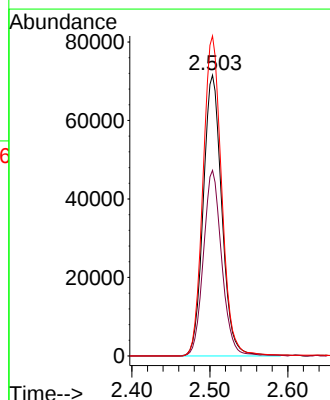
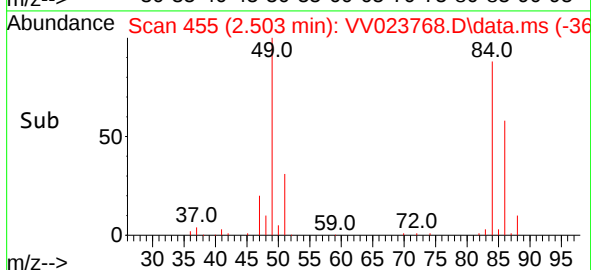
Tgt Ion: 76 Resp: 382105
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3

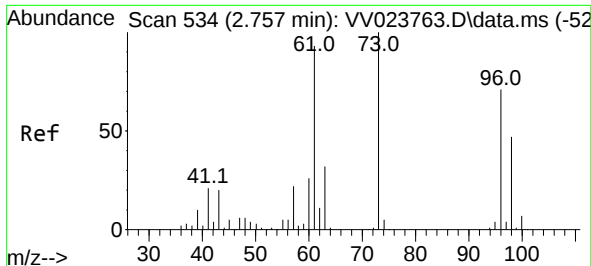


#16
Methylene chloride
Concen: 21.225 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV023768.D
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Tgt Ion: 84 Resp: 118164
Ion Ratio Lower Upper
84 100
86 66.1 45.3 84.1
49 113.9 81.8 152.0





#17

trans-1,2-Dichloroethene

Concen: 28.339 ug/L

RT: 2.757 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV023768.D

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ClientSampleId :

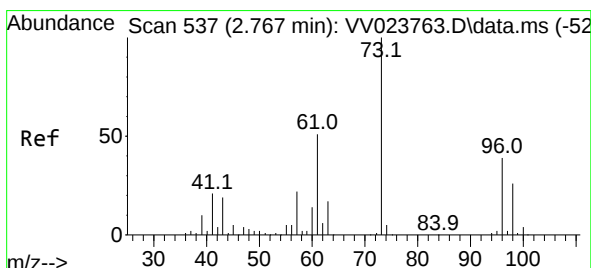
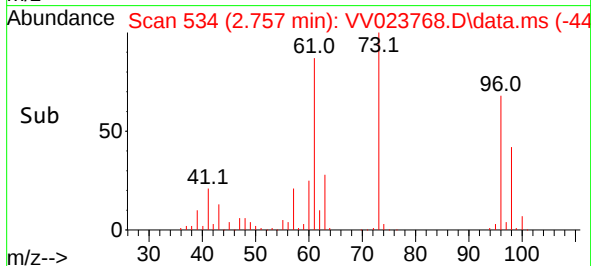
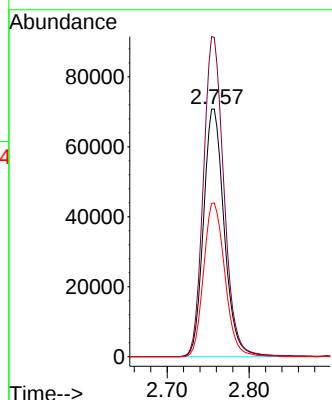
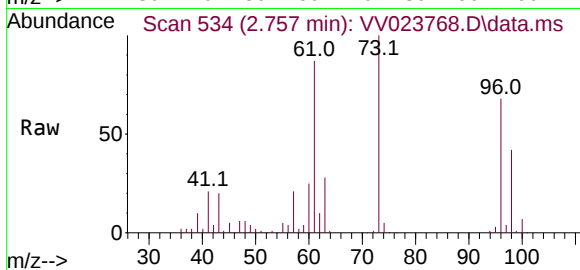
Tgt Ion: 96 Resp: 124129

Ion Ratio Lower Upper

96 100

61 128.9 91.0 169.0

98 62.1 45.9 85.3



#18

Methyl tert-butyl Ether

Concen: 26.438 ug/L

RT: 2.764 min Scan# 536

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

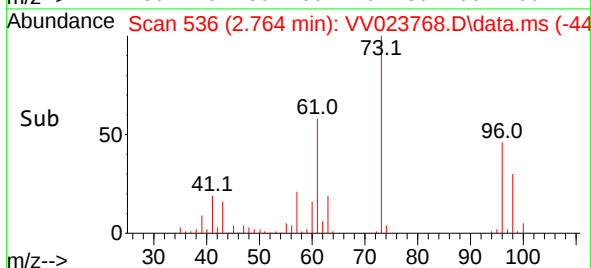
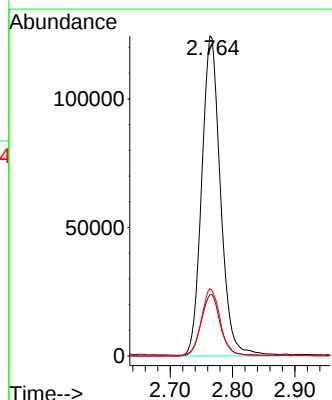
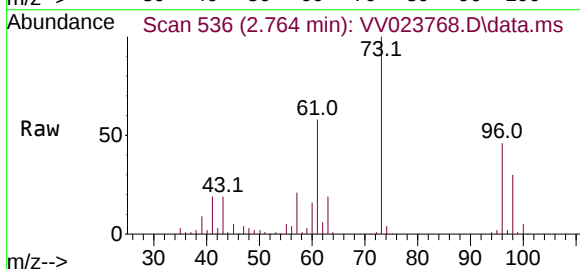
Tgt Ion: 73 Resp: 260955

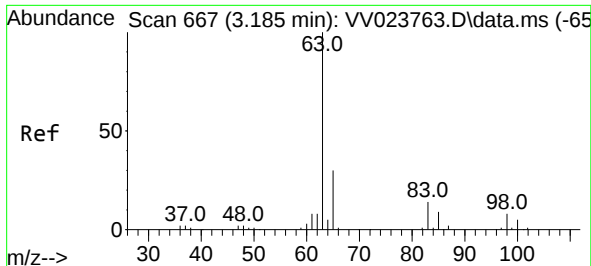
Ion Ratio Lower Upper

73 100

43 19.2 15.0 22.4

57 21.1 17.0 25.4





#19

1,1-Dichloroethane

Concen: 26.989 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

ClientSampleId :

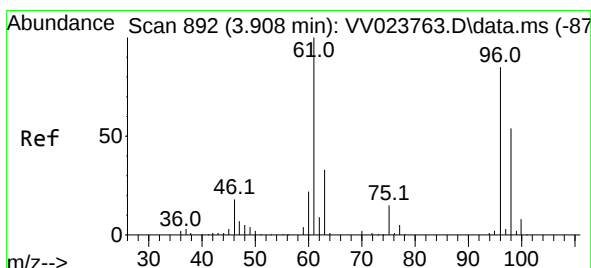
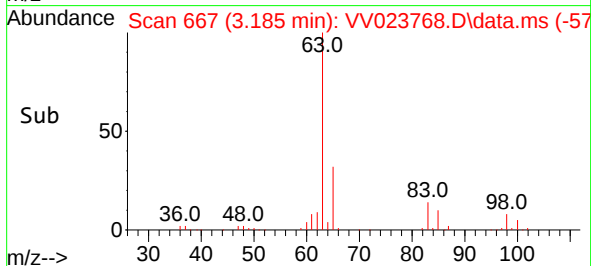
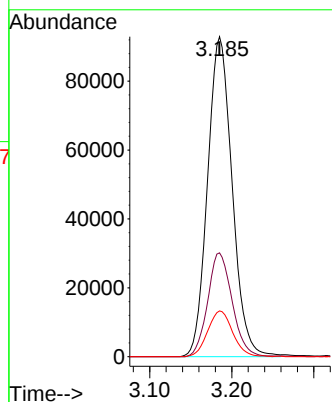
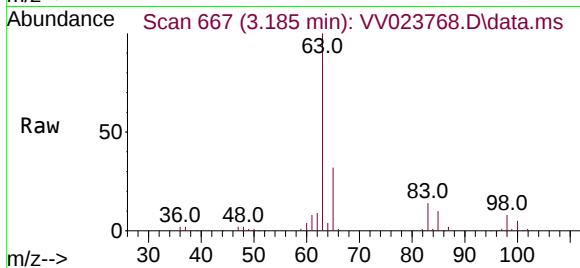
Tgt Ion: 63 Resp: 193280

Ion Ratio Lower Upper

63 100

65 32.4 21.3 39.5

83 14.3 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 26.755 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

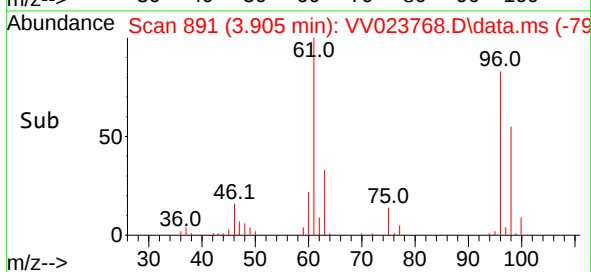
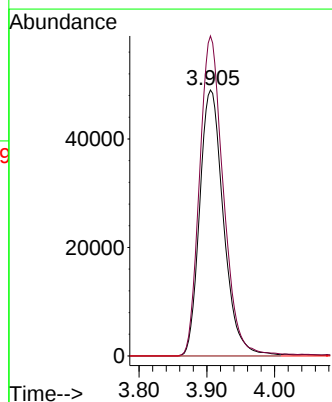
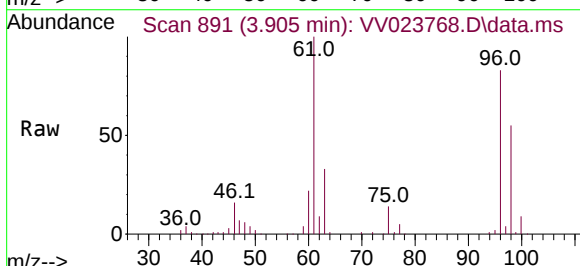
Tgt Ion: 96 Resp: 119733

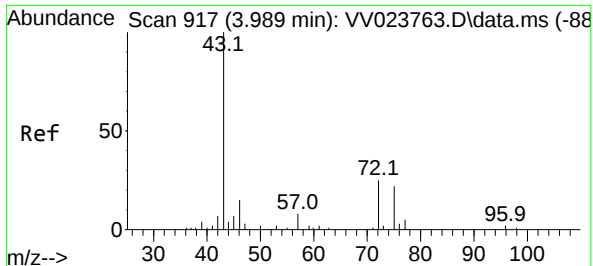
Ion Ratio Lower Upper

96 100

61 120.3 82.5 153.3

68 0.0 0.0 0.0

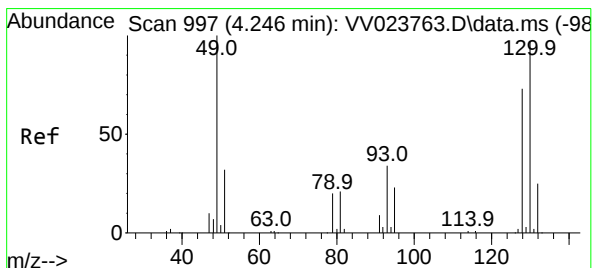
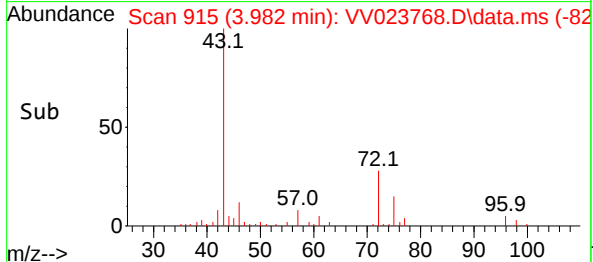
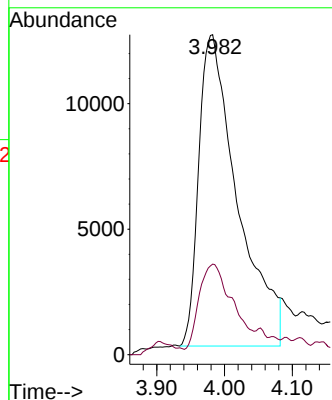
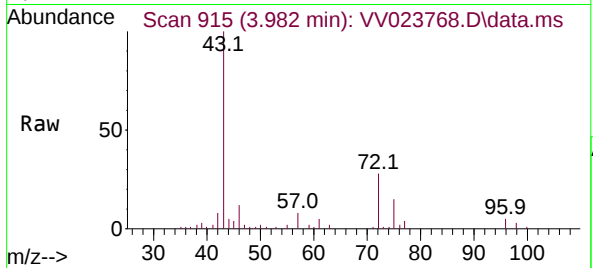




#22
2-Butanone
Concen: 42.536 ug/L
RT: 3.982 min Scan# 915
Delta R.T. -0.006 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

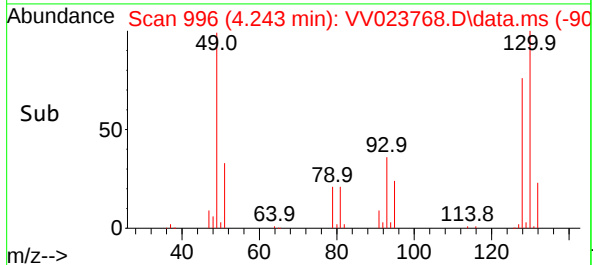
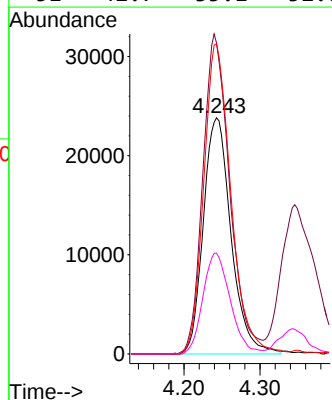
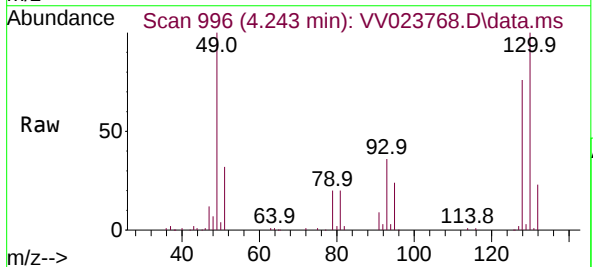
Instrument :
MSVOA_V
ClientSampleId :

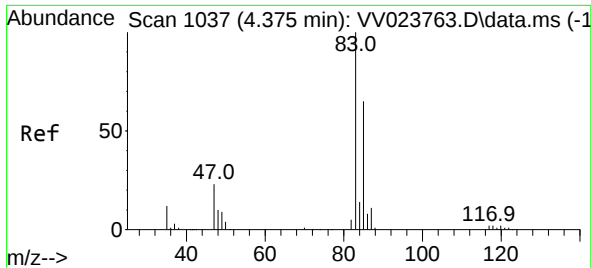
Tgt Ion: 43 Resp: 49236
Ion Ratio Lower Upper
43 100
72 18.3 8.3 25.1



#23
Bromochloromethane
Concen: 26.609 ug/L
RT: 4.243 min Scan# 996
Delta R.T. -0.003 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

Tgt Ion: 128 Resp: 60229
Ion Ratio Lower Upper
128 100
49 131.7 95.7 177.7
130 131.4 92.4 171.6
51 42.7 35.1 52.7

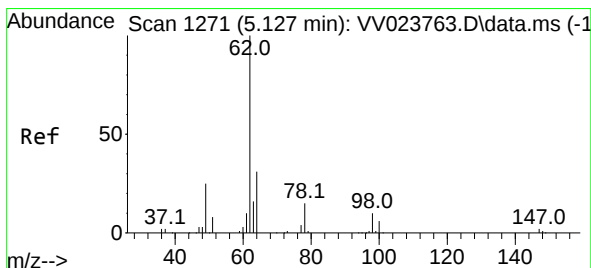
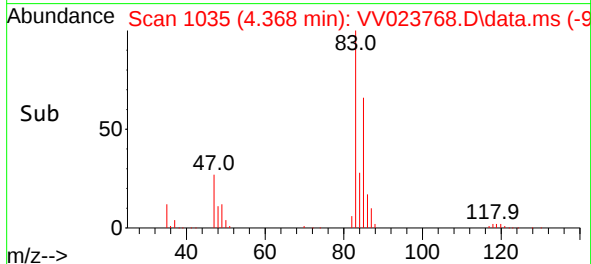
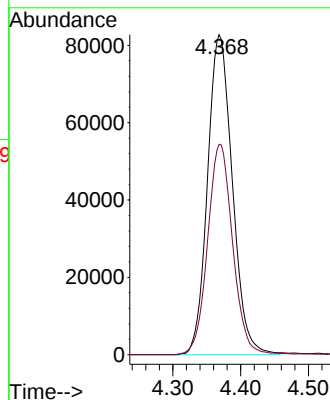
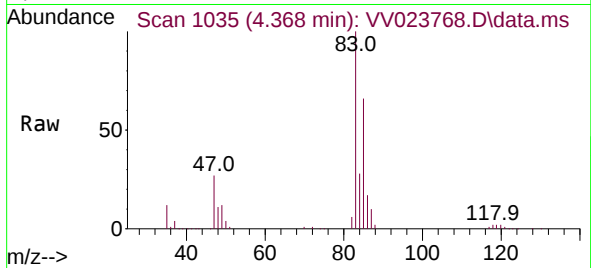




#25
Chloroform
Concen: 26.677 ug/L
RT: 4.368 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

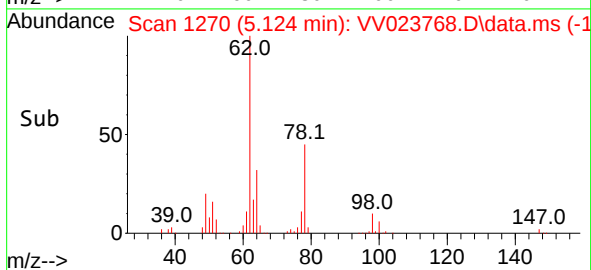
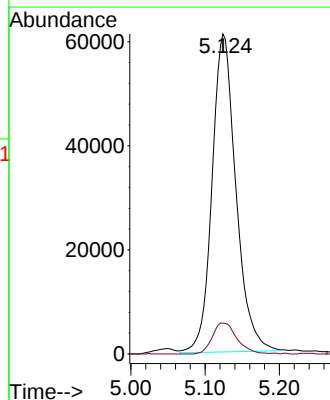
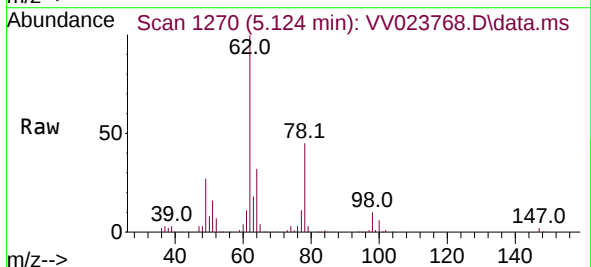
Instrument :
MSVOA_V
ClientSampleId :

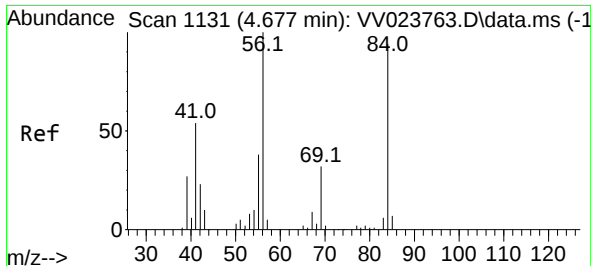
Tgt Ion: 83 Resp: 210524
Ion Ratio Lower Upper
83 100
85 65.7 46.0 85.4



#27
1,2-Dichloroethane
Concen: 26.640 ug/L
RT: 5.124 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

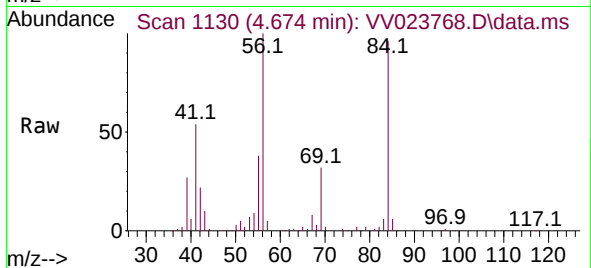
Tgt Ion: 62 Resp: 136718
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.6



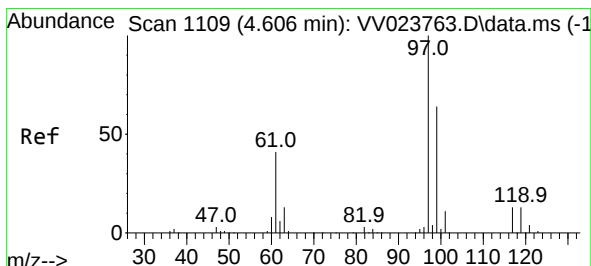
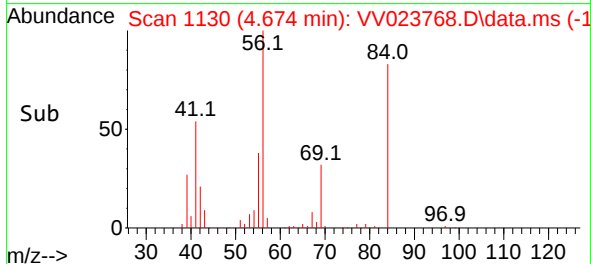
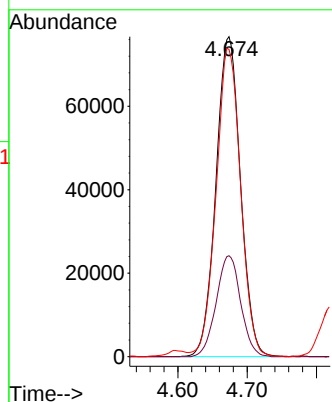


#29
Cyclohexane
Concen: 30.636 ug/L
RT: 4.674 min Scan# 1131
Delta R.T. -0.003 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

Instrument :
MSVOA_V
ClientSampleId :

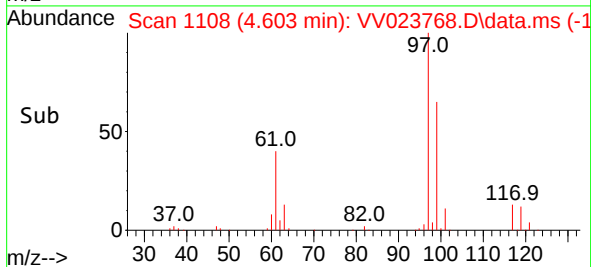
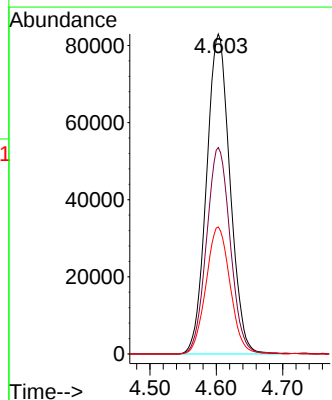
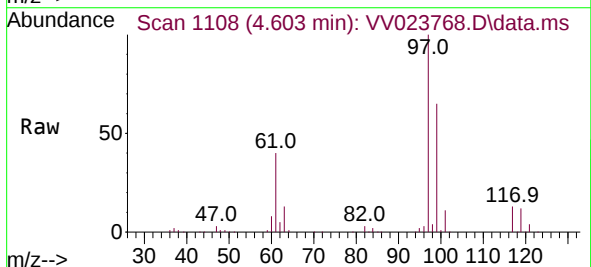


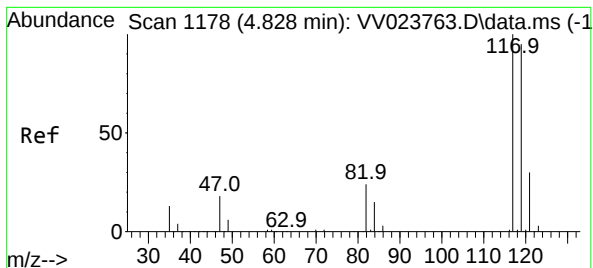
Tgt Ion: 56 Resp: 188909
Ion Ratio Lower Upper
56 100
69 31.4 25.2 37.8
84 96.3 76.6 114.8



#30
1,1,1-Trichloroethane
Concen: 28.948 ug/L
RT: 4.603 min Scan# 1108
Delta R.T. -0.003 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

Tgt Ion: 97 Resp: 204546
Ion Ratio Lower Upper
97 100
99 65.1 52.0 78.0
61 40.7 33.3 49.9





#31

Carbon tetrachloride

Concen: 29.894 ug/L

RT: 4.822 min Scan# 1178

Delta R.T. -0.006 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

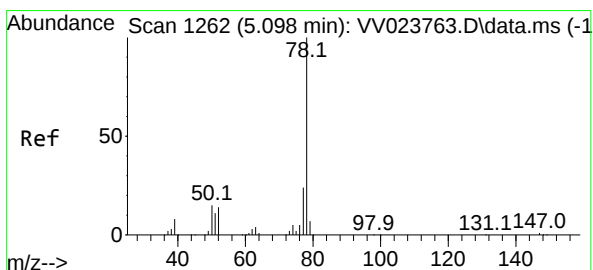
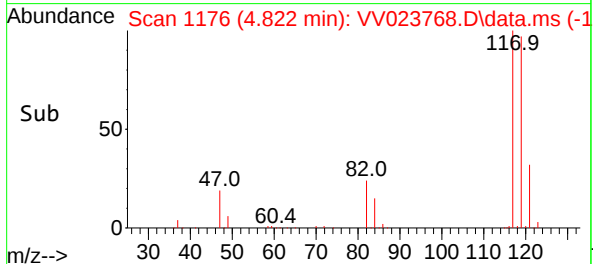
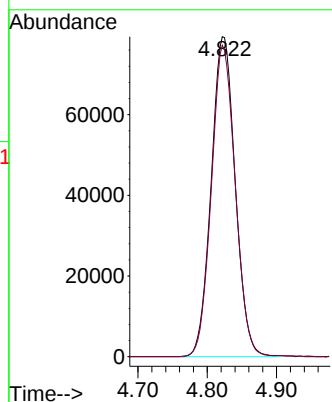
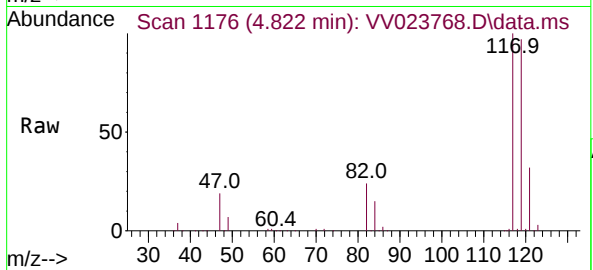
ClientSampleId :

Tgt Ion:117 Resp: 191213

Ion Ratio Lower Upper

117 100

119 96.4 76.0 114.0



#33

Benzene

Concen: 27.803 ug/L

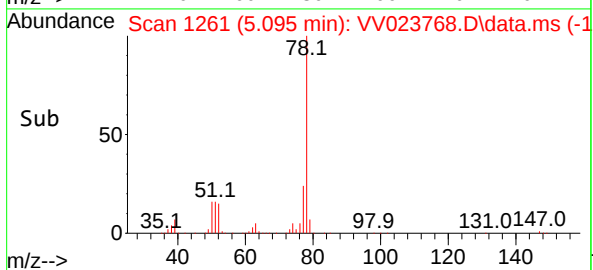
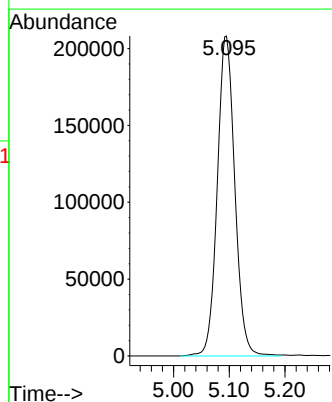
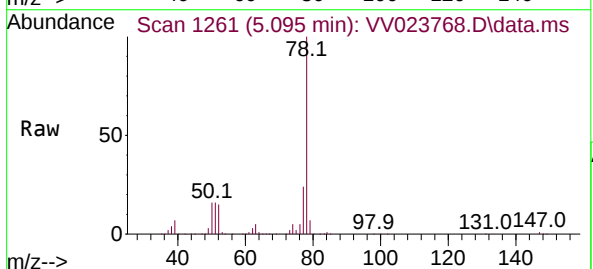
RT: 5.095 min Scan# 1261

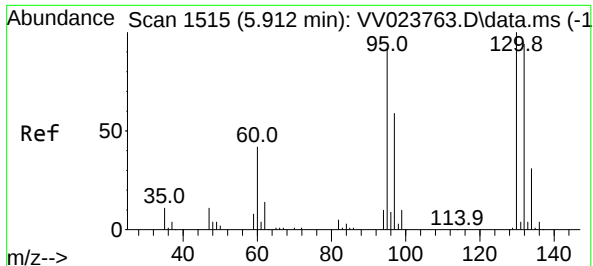
Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Tgt Ion: 78 Resp: 455461





#34

Trichloroethene

Concen: 28.563 ug/L

RT: 5.908 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 128560

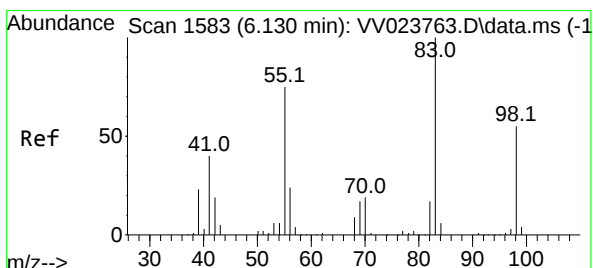
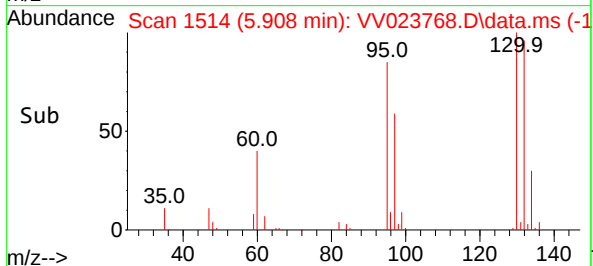
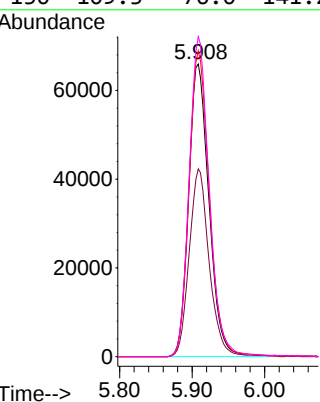
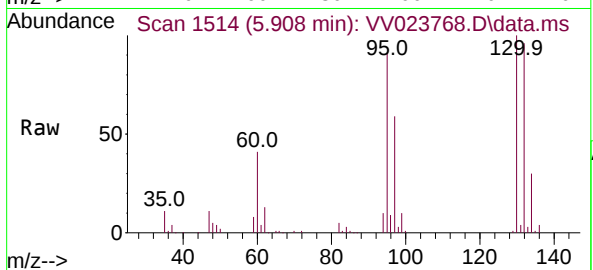
Ion Ratio Lower Upper

95 100

97 64.2 44.5 82.7

132 104.5 71.7 133.1

130 109.3 76.0 141.2



#35

Methylcyclohexane

Concen: 30.997 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

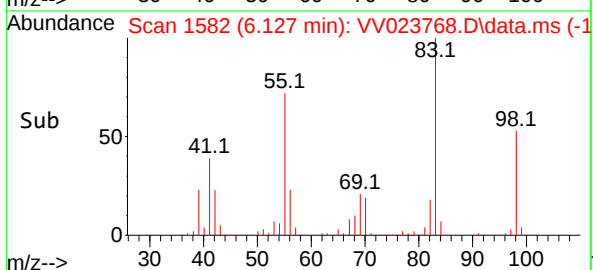
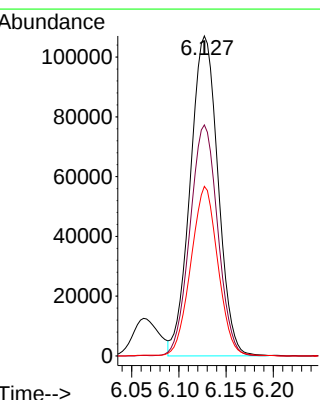
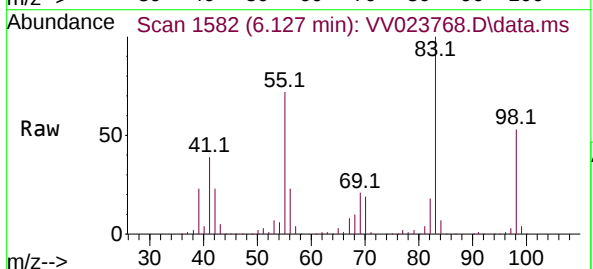
Tgt Ion: 83 Resp: 219049

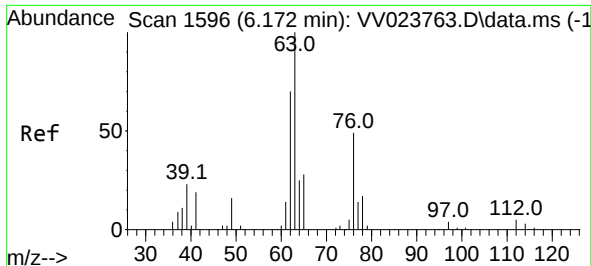
Ion Ratio Lower Upper

83 100

55 72.1 57.4 86.2

98 51.6 40.4 60.6





#37

1,2-Dichloropropane

Concen: 27.592 ug/L

RT: 6.169 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

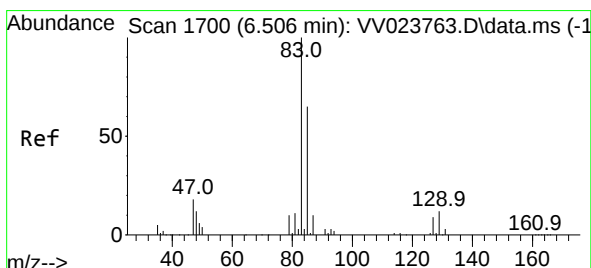
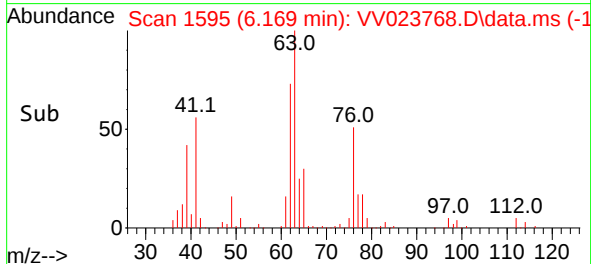
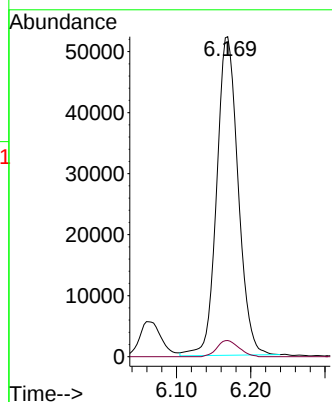
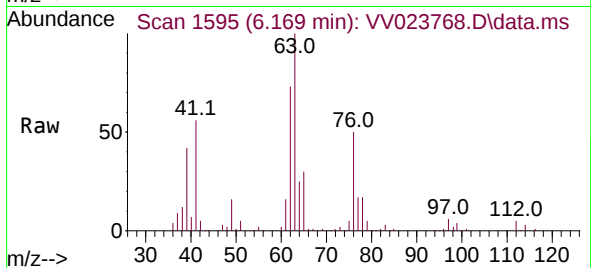
ClientSampleId :

Tgt Ion: 63 Resp: 104966

Ion Ratio Lower Upper

63 100

112 5.2 4.3 6.5



#38

Bromodichloromethane

Concen: 26.591 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

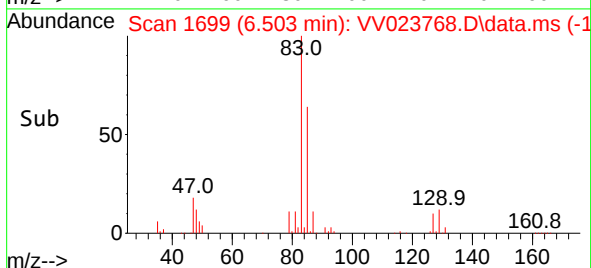
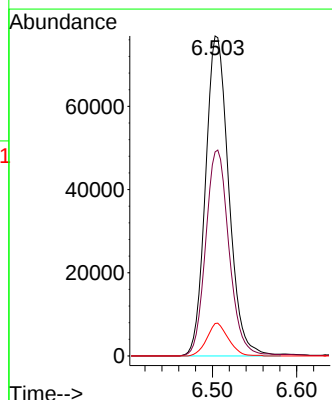
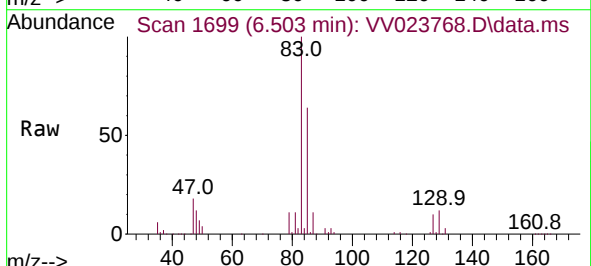
Tgt Ion: 83 Resp: 147407

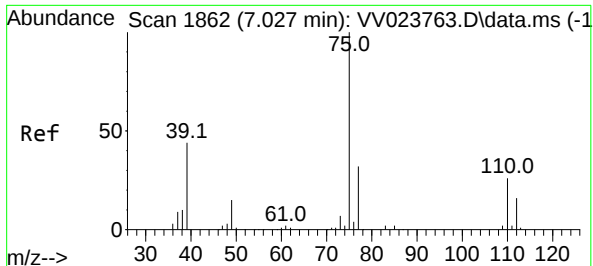
Ion Ratio Lower Upper

83 100

85 63.7 45.4 84.2

127 10.1 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 27.397 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.006 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

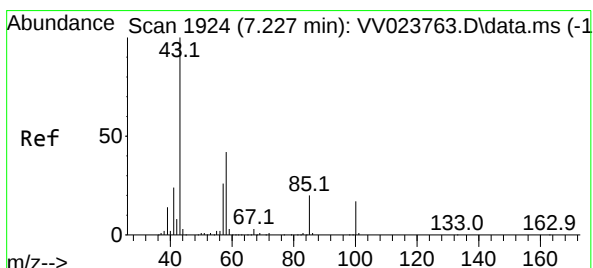
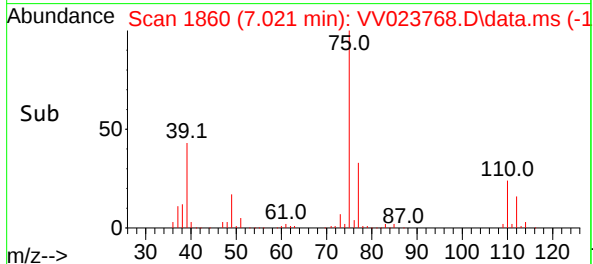
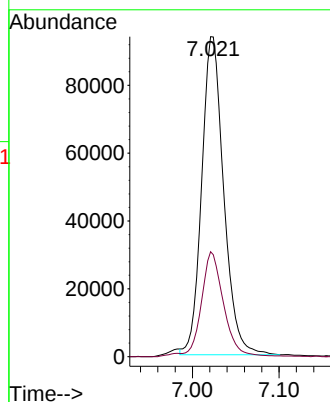
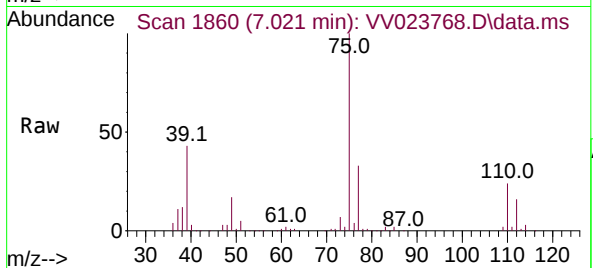
ClientSampleId :

Tgt Ion: 75 Resp: 165753

Ion Ratio Lower Upper

75 100

77 32.8 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 55.278 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

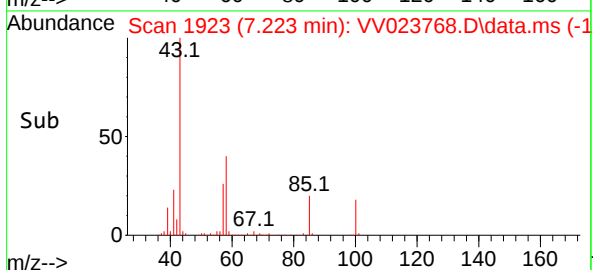
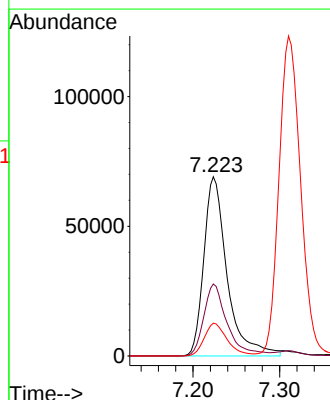
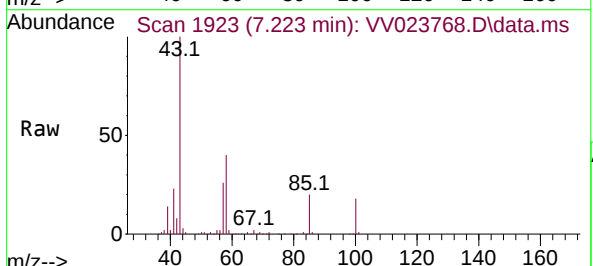
Tgt Ion: 43 Resp: 129184

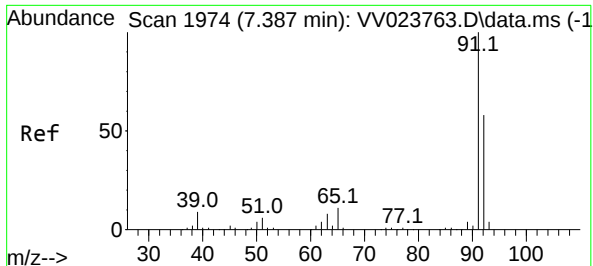
Ion Ratio Lower Upper

43 100

58 40.2 31.6 47.4

100 18.0 13.8 20.6





#42

Toluene

Concen: 28.687 ug/L

RT: 7.384 min Scan# 1974

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

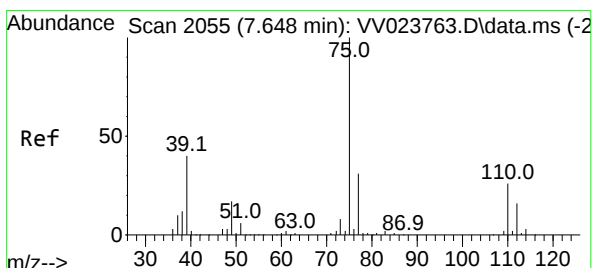
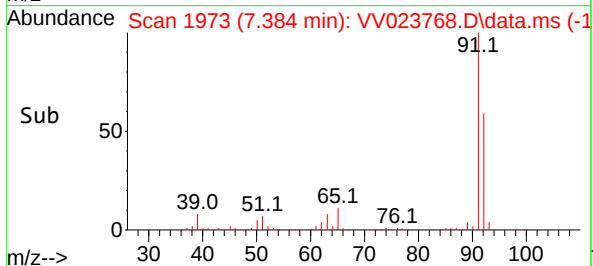
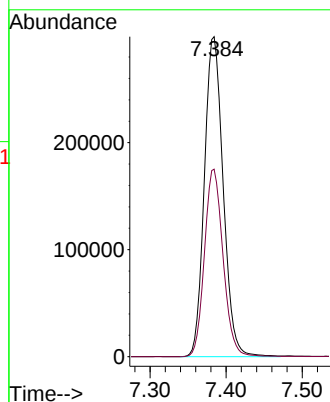
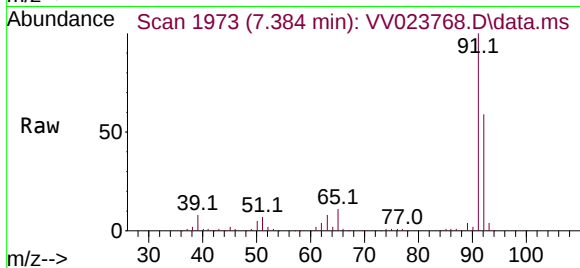
ClientSampleId :

Tgt Ion: 91 Resp: 514186

Ion Ratio Lower Upper

91 100

92 58.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 27.872 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV023768.D

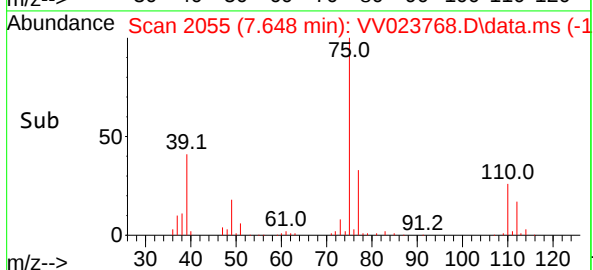
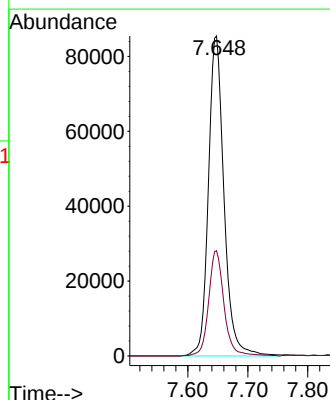
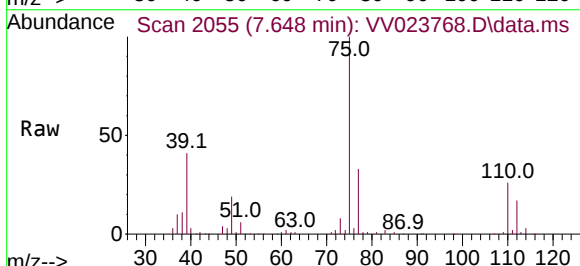
Acq: 02 Dec 2021 09:49

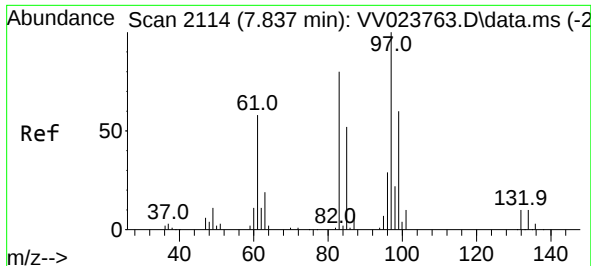
Tgt Ion: 75 Resp: 154780

Ion Ratio Lower Upper

75 100

77 32.9 21.5 39.9





#45

1,1,2-Trichloroethane

Concen: 26.125 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 86585

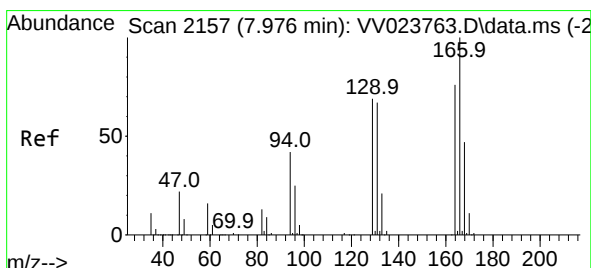
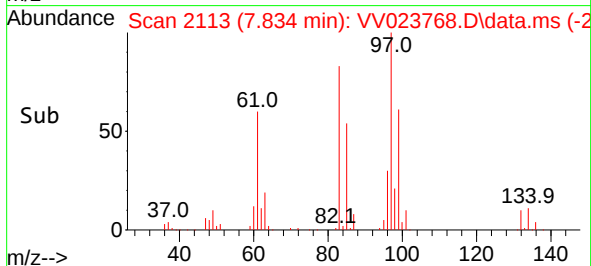
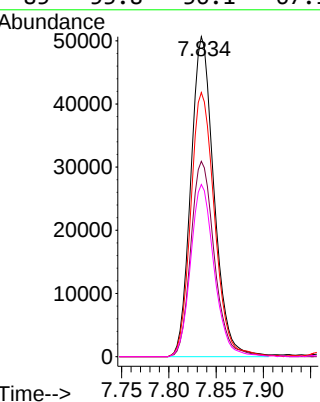
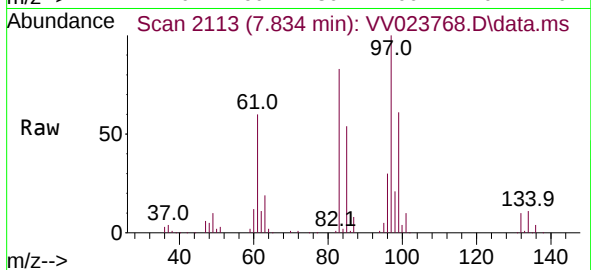
Ion Ratio Lower Upper

97 100

99 61.0 41.8 77.6

83 82.5 55.8 103.6

85 53.8 36.1 67.1



#46

Tetrachloroethene

Concen: 28.796 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Tgt Ion:164 Resp: 115206

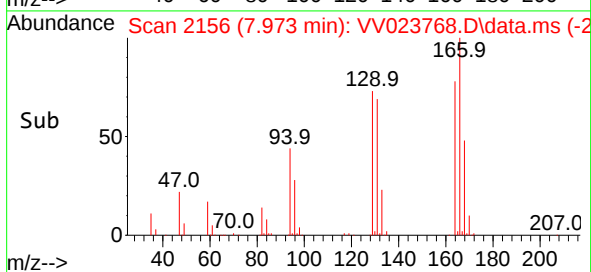
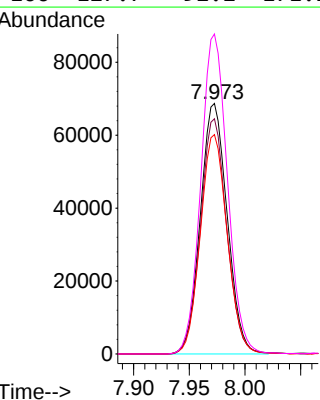
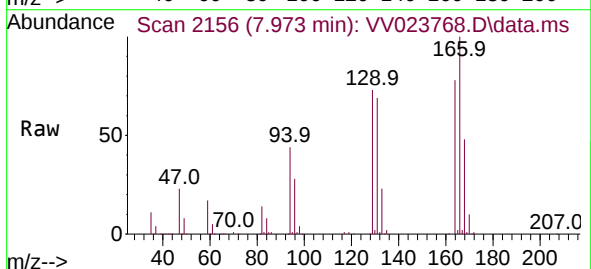
Ion Ratio Lower Upper

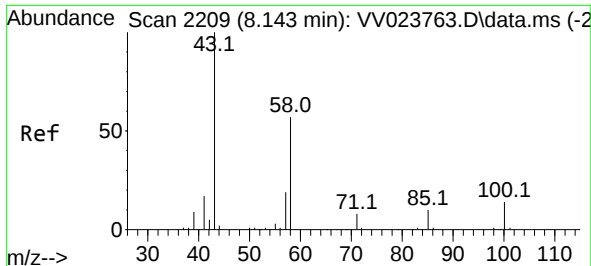
164 100

129 93.9 63.3 117.5

131 87.6 61.8 114.8

166 127.7 92.2 171.2



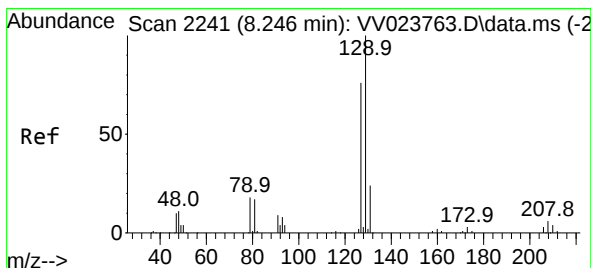
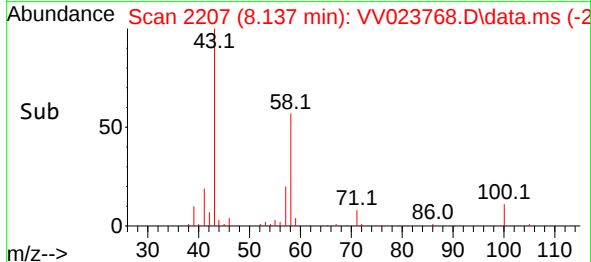
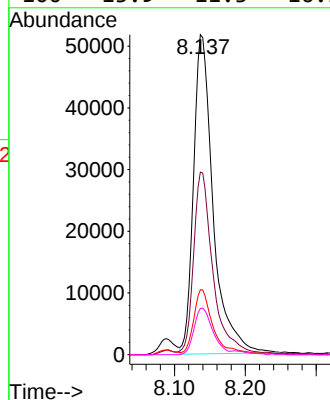
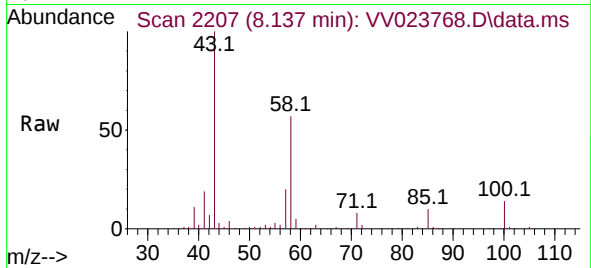


#48
2-Hexanone
Concen: 58.693 ug/L
RT: 8.137 min Scan# 21
Delta R.T. -0.006 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 99733

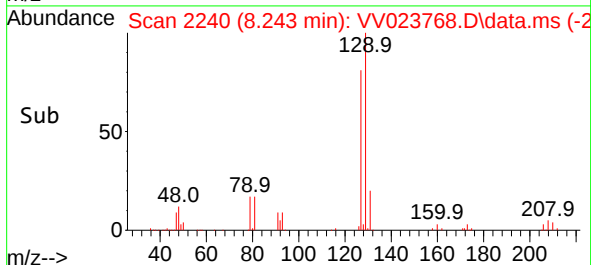
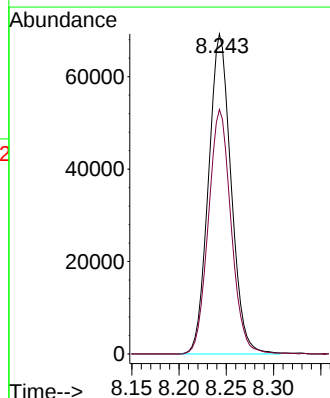
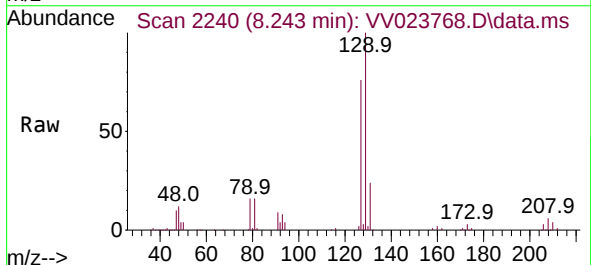
Ion	Ratio	Lower	Upper
43	100		
58	55.0	45.8	68.8
57	19.4	15.6	23.4
100	13.9	11.3	16.9

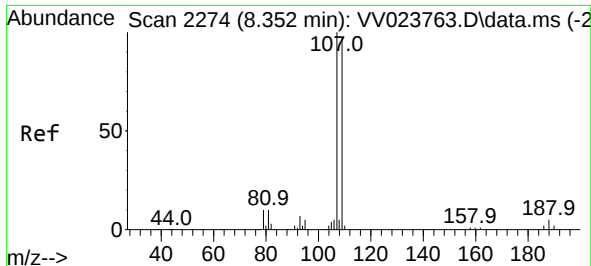


#49
Dibromochloromethane
Concen: 26.983 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.003 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

Tgt Ion: 129 Resp: 115285

Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.1	98.7





#50

1,2-Dibromoethane

Concen: 27.457 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV023768.D

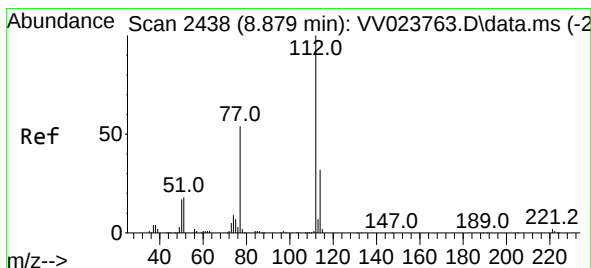
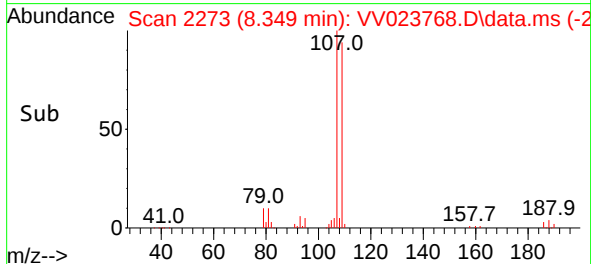
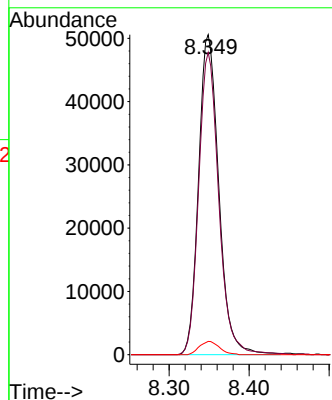
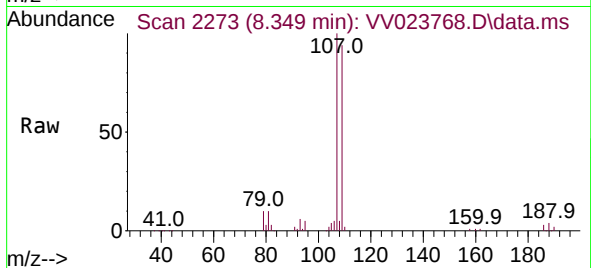
Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	89083
Ion Ratio	Lower	Upper
107	100	
109	94.4	67.8 125.8
188	4.1	3.6 5.4



#51

Chlorobenzene

Concen: 27.019 ug/L

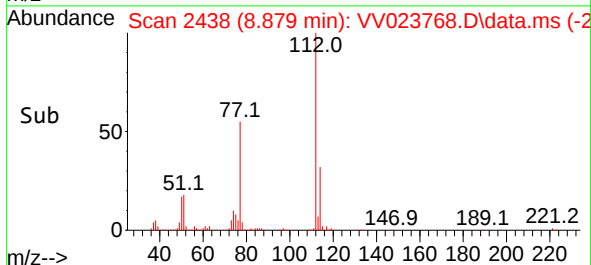
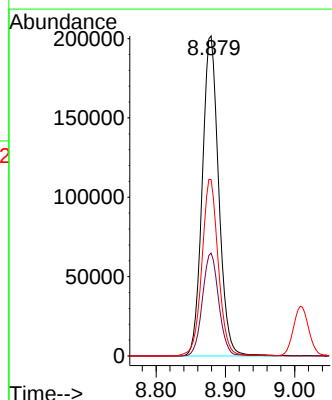
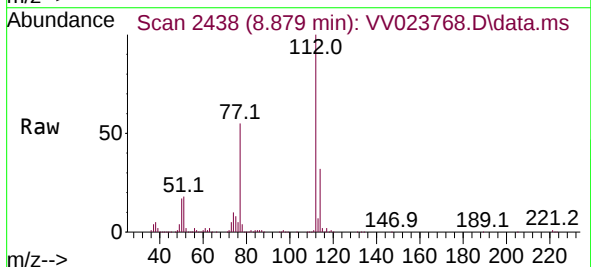
RT: 8.879 min Scan# 2438

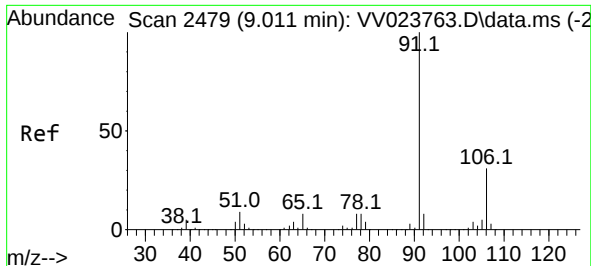
Delta R.T. 0.000 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Tgt Ion:112	Resp:	331722
Ion Ratio	Lower	Upper
112	100	
114	32.2	22.6 42.0
77	55.1	43.5 65.3





#52

Ethylbenzene

Concen: 28.920 ug/L

RT: 9.008 min Scan# 2479

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

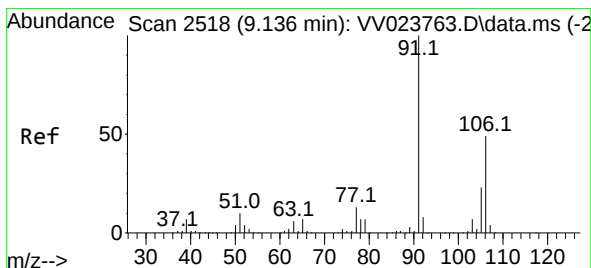
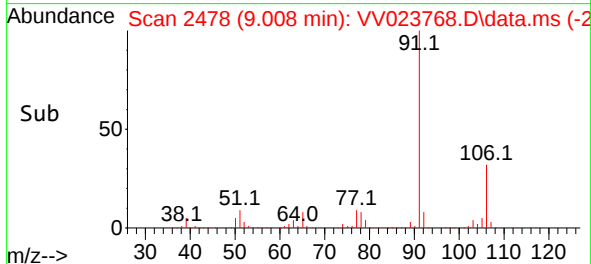
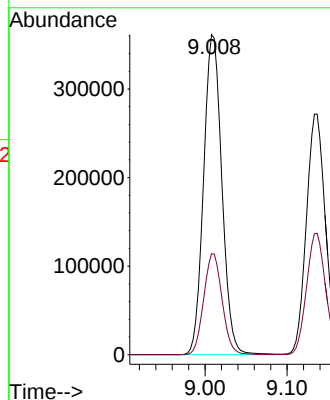
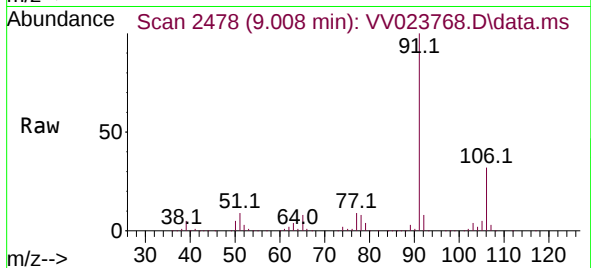
ClientSampleId :

Tgt Ion: 91 Resp: 559083

Ion Ratio Lower Upper

91 100

106 31.6 22.0 40.8



#53

m,p-Xylene

Concen: 29.063 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV023768.D

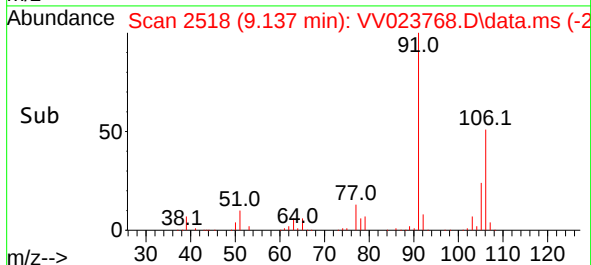
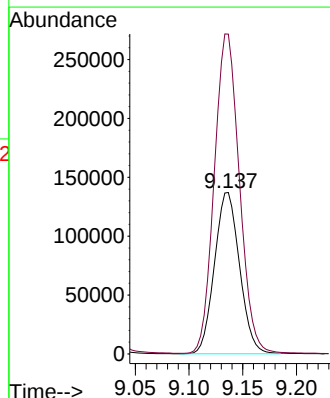
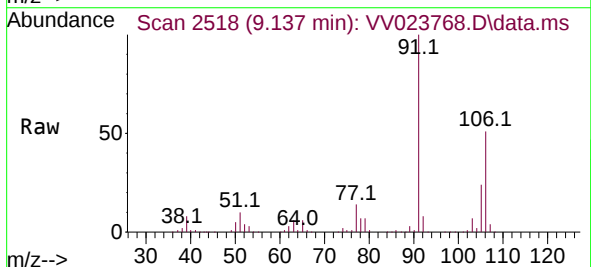
Acq: 02 Dec 2021 09:49

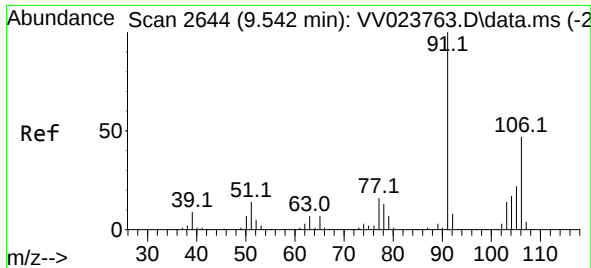
Tgt Ion:106 Resp: 222096

Ion Ratio Lower Upper

106 100

91 198.0 141.7 263.3

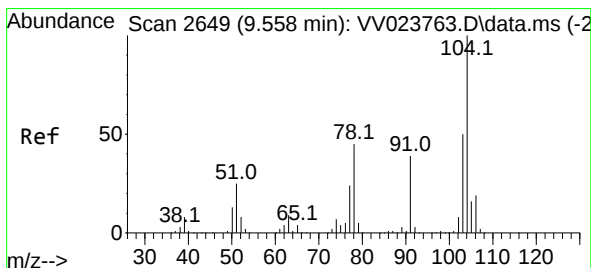
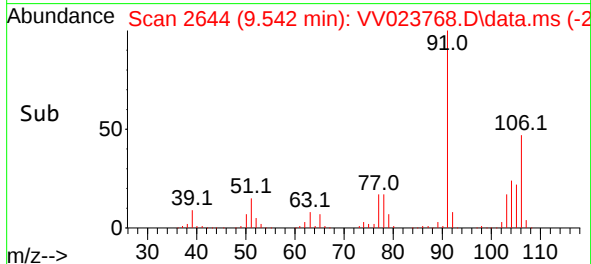
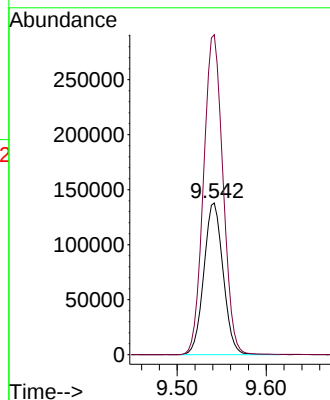
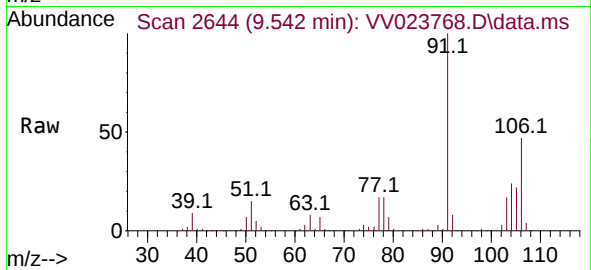




#54
o-Xylene
Concen: 28.413 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

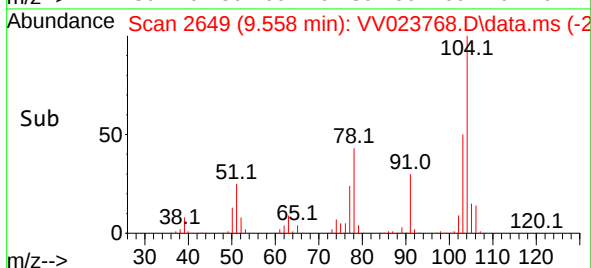
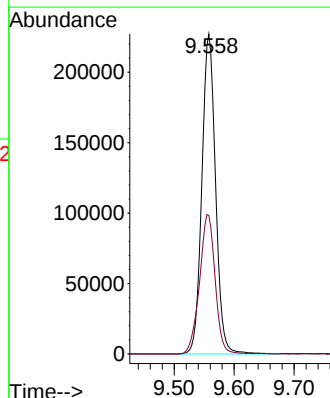
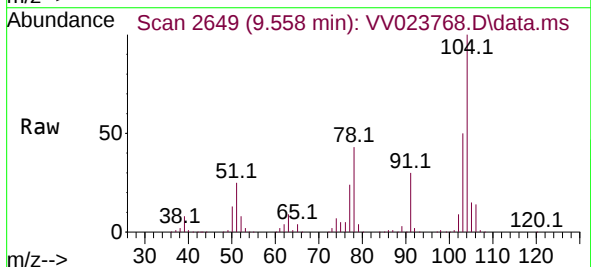
Instrument :
MSVOA_V
ClientSampleId :

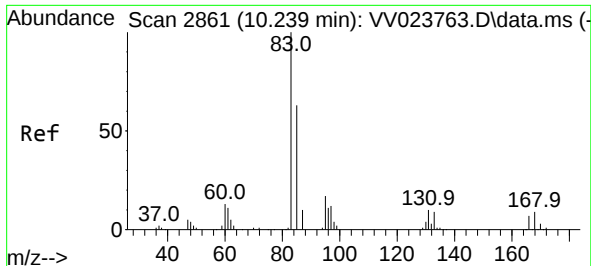
Tgt Ion:106 Resp: 206868
Ion Ratio Lower Upper
106 100
91 210.9 147.8 274.6



#55
Styrene
Concen: 28.788 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

Tgt Ion:104 Resp: 362209
Ion Ratio Lower Upper
104 100
78 43.3 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 26.619 ug/L

RT: 10.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV023768.D

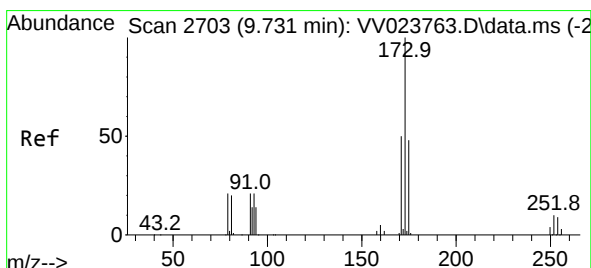
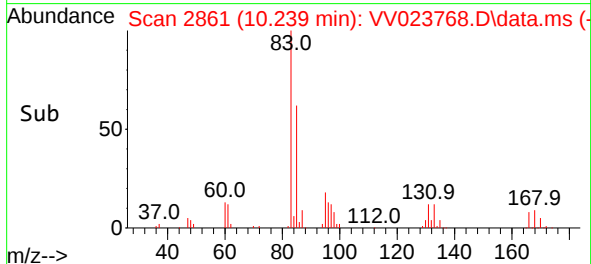
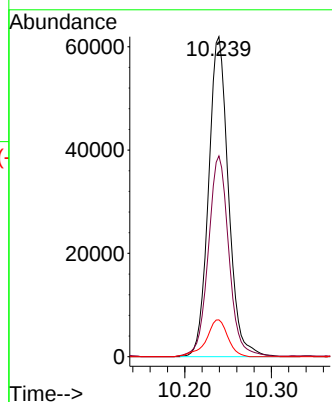
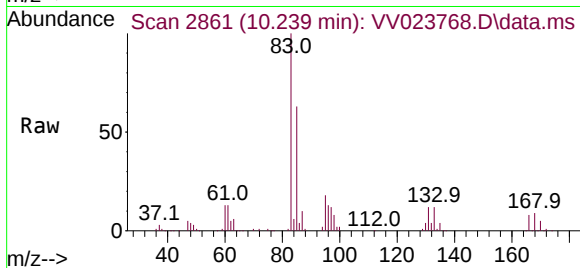
Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	98792
Ion	Ratio	Lower	Upper
83	100		
85	62.8	44.4	82.5
131	11.5	8.4	12.6



#59

Bromoform

Concen: 27.335 ug/L

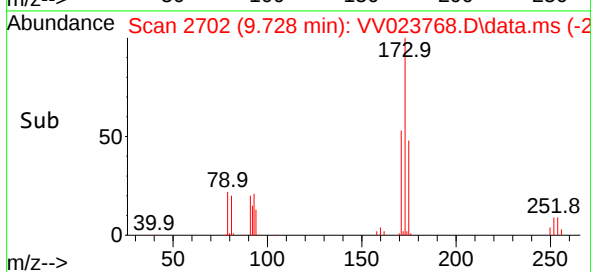
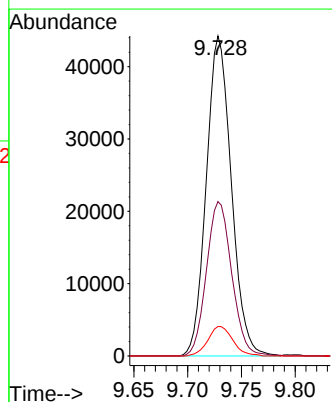
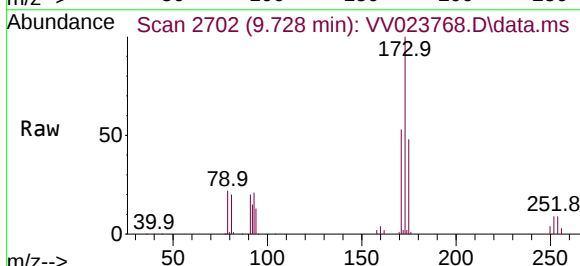
RT: 9.728 min Scan# 2702

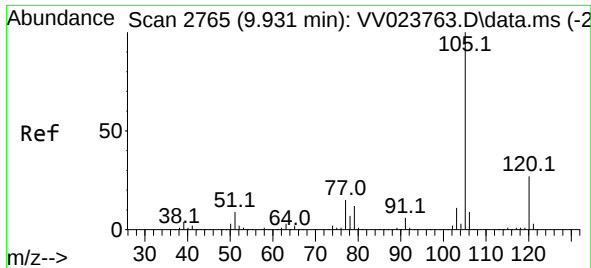
Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Tgt Ion:	173	Resp:	71629
Ion	Ratio	Lower	Upper
173	100		
175	48.7	0.0	0.0#
254	9.2	0.0	0.0#

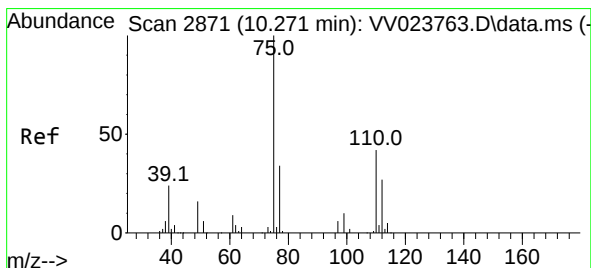
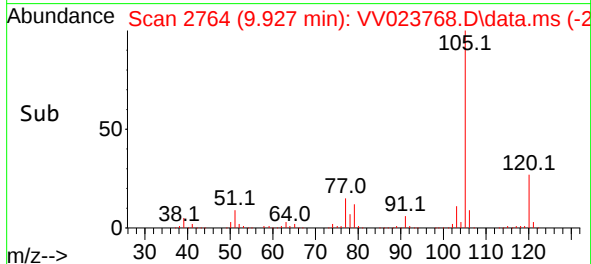
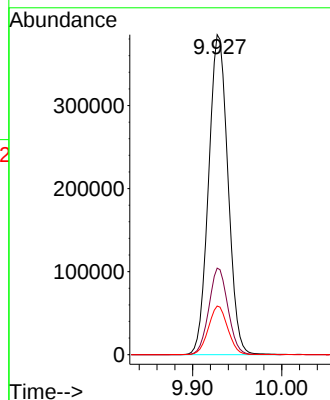
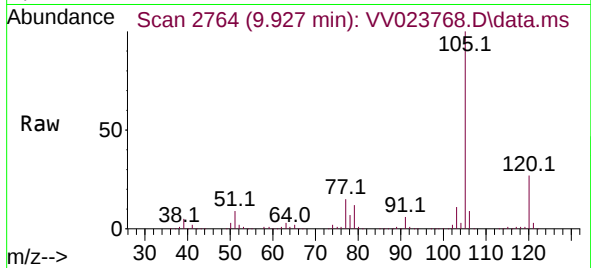




#60
Isopropylbenzene
Concen: 29.711 ug/L
RT: 9.927 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

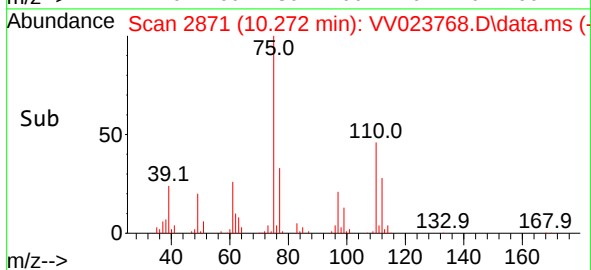
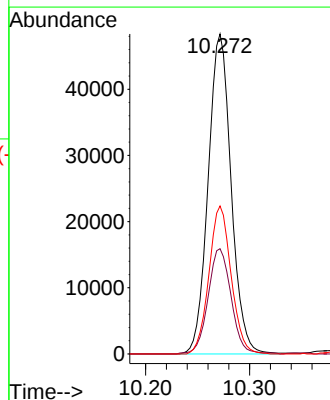
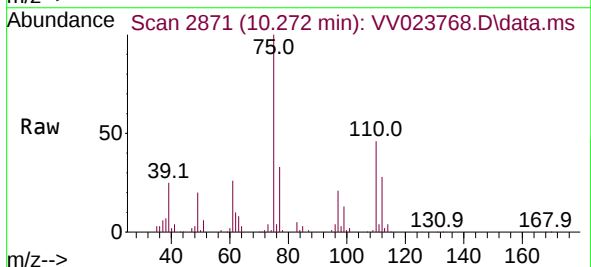
Instrument :
MSVOA_V
ClientSampleId :

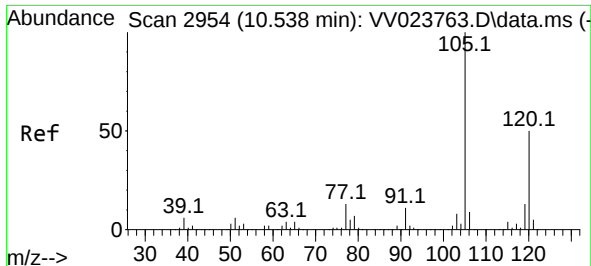
Tgt Ion:105 Resp: 579728
Ion Ratio Lower Upper
105 100
120 26.7 21.6 32.4
77 15.2 11.9 17.9



#61
1,2,3-Trichloropropane
Concen: 26.321 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV023768.D
Acq: 02 Dec 2021 09:49

Tgt Ion: 75 Resp: 74209
Ion Ratio Lower Upper
75 100
77 33.0 27.0 40.6
110 44.7 33.7 50.5





#62

1,3,5-Trimethylbenzene

Concen: 29.485 ug/L

RT: 10.535 min Scan# 2954

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

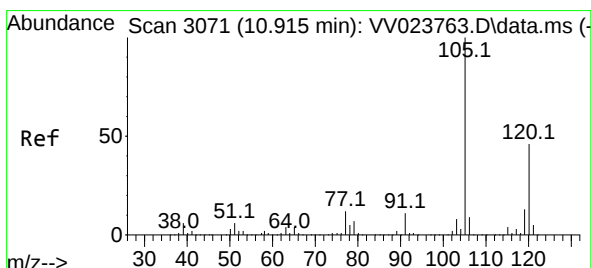
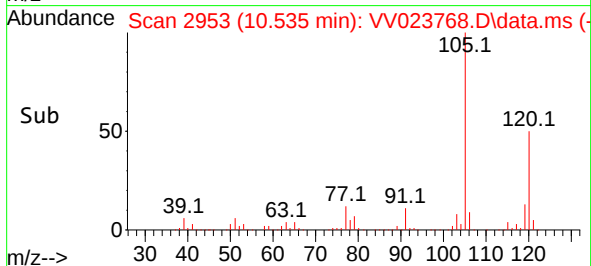
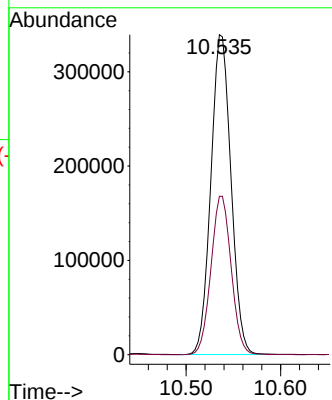
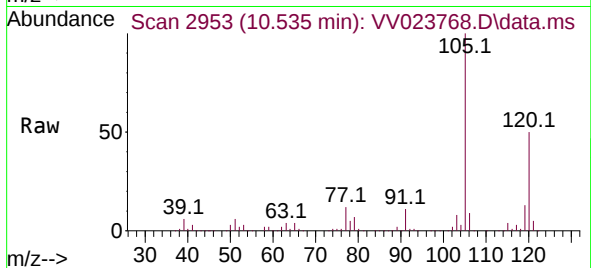
ClientSampleId :

Tgt Ion:105 Resp: 501686

Ion Ratio Lower Upper

105 100

120 49.7 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 29.421 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.003 min

Lab File: VV023768.D

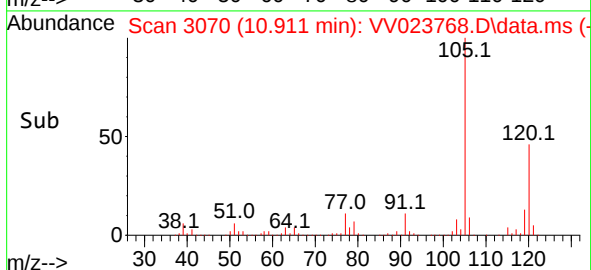
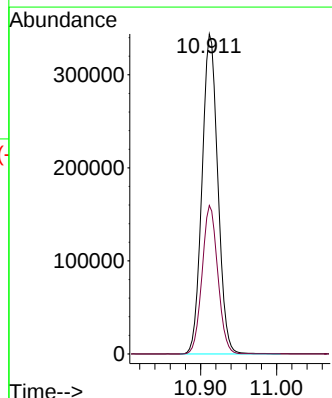
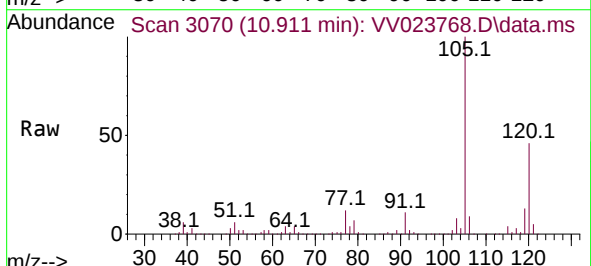
Acq: 02 Dec 2021 09:49

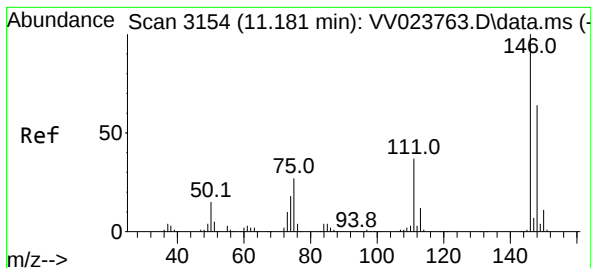
Tgt Ion:105 Resp: 496167

Ion Ratio Lower Upper

105 100

120 46.1 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 27.347 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

ClientSampleId :

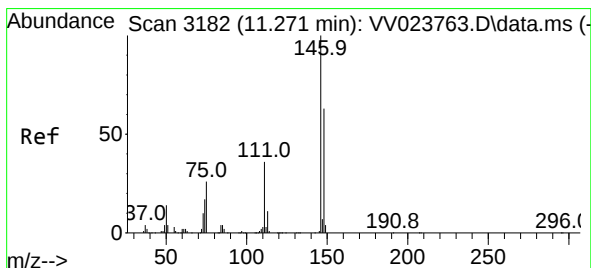
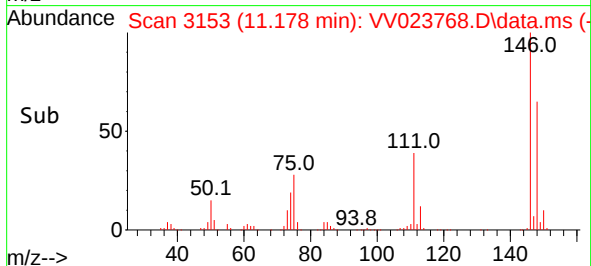
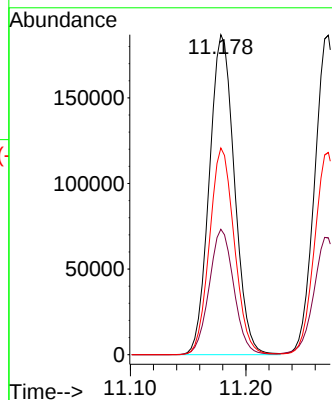
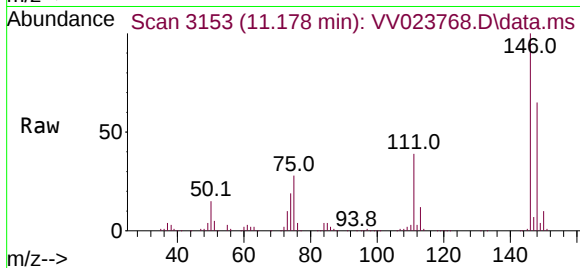
Tgt Ion:146 Resp: 283209

Ion Ratio Lower Upper

146 100

111 39.2 26.2 48.8

148 64.6 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 26.897 ug/L

RT: 11.271 min Scan# 3182

Delta R.T. 0.000 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

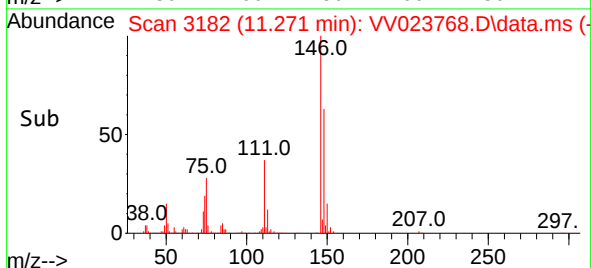
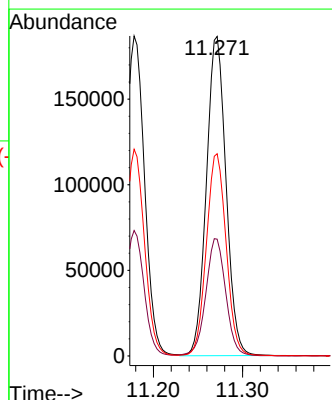
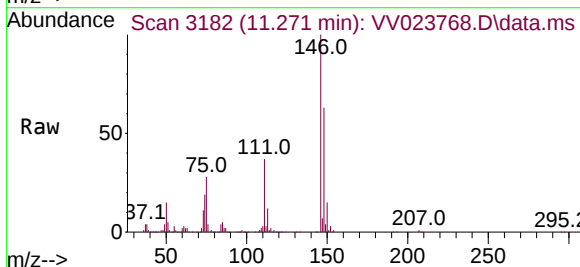
Tgt Ion:146 Resp: 284765

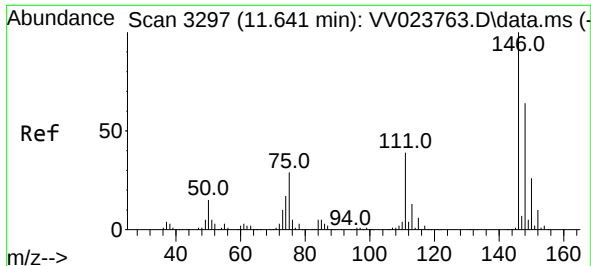
Ion Ratio Lower Upper

146 100

111 36.6 25.4 47.2

148 63.3 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 27.036 ug/L

RT: 11.641 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

ClientSampleId :

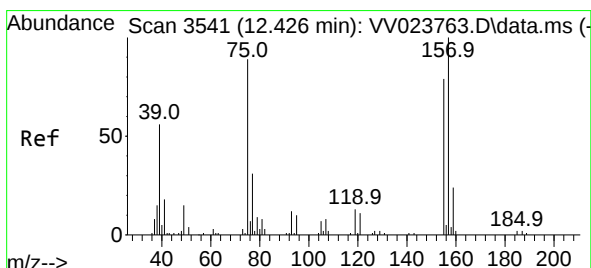
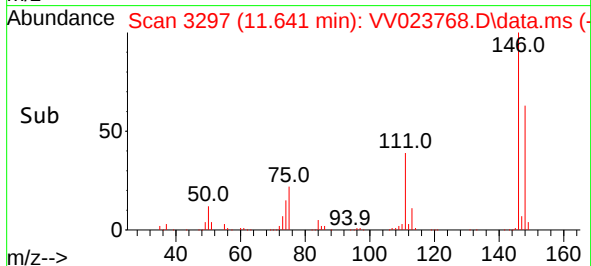
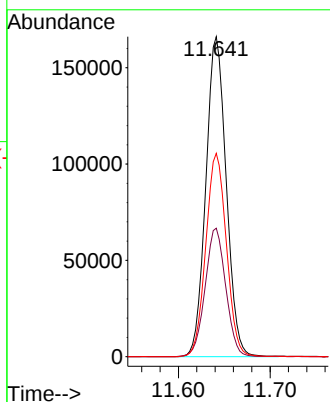
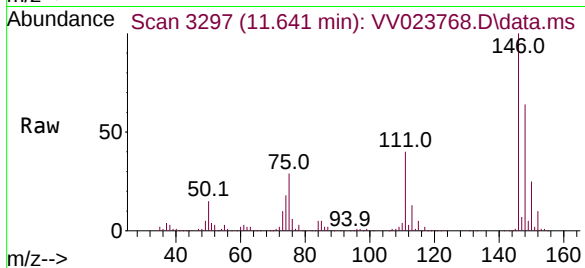
Tgt Ion:146 Resp: 256690

Ion Ratio Lower Upper

146 100

111 40.1 31.4 47.0

148 63.6 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 26.481 ug/L

RT: 12.429 min Scan# 3542

Delta R.T. 0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

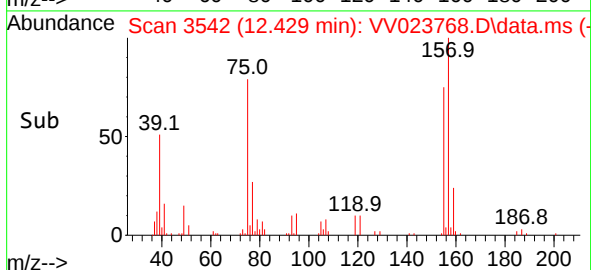
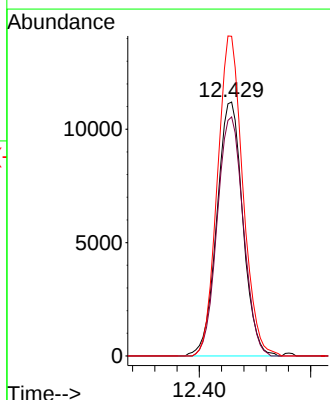
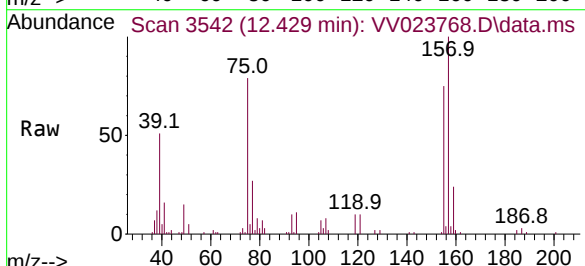
Tgt Ion: 75 Resp: 18123

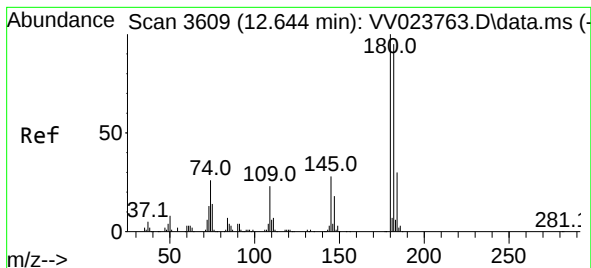
Ion Ratio Lower Upper

75 100

155 94.1 71.0 106.4

157 125.9 90.1 135.1





#69

1,3,5-Trichlorobenzene

Concen: 28.173 ug/L

RT: 12.644 min Scan# 30

Delta R.T. 0.000 min

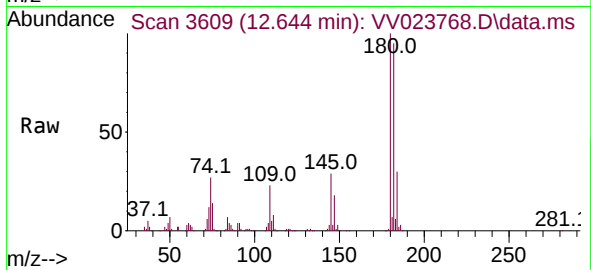
Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 230441

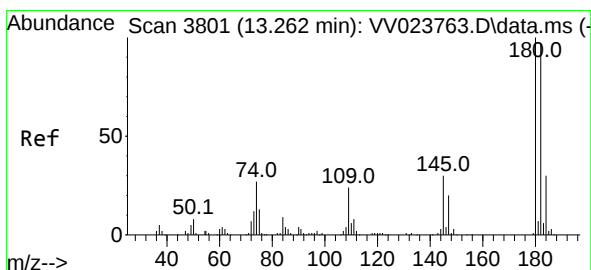
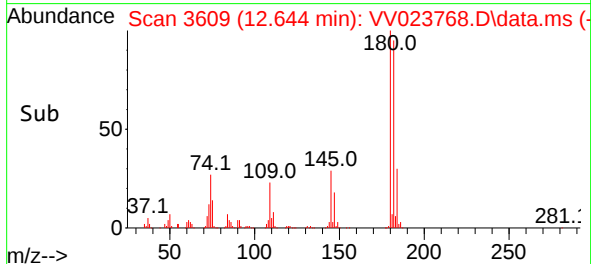
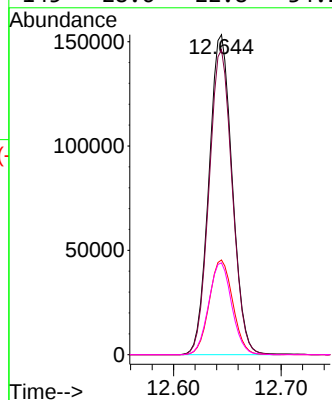
Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.8

184 29.9 23.8 35.8

145 28.6 22.8 34.2



#70

1,2,4-trichlorobenzene

Concen: 27.972 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

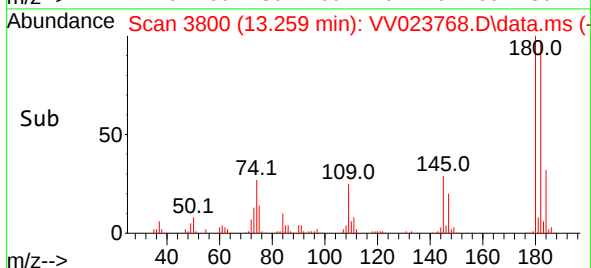
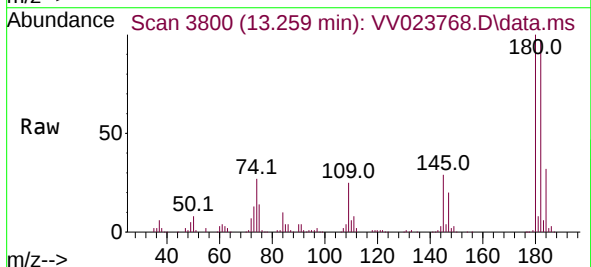
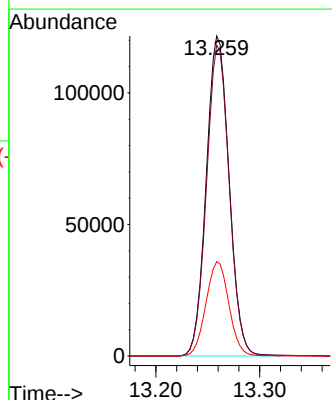
Tgt Ion:180 Resp: 186066

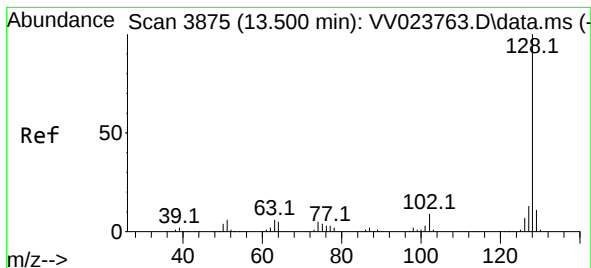
Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.4

145 29.5 24.3 36.5





#71

Naphthalene

Concen: 28.547 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Instrument :

MSVOA_V

ClientSampleId :

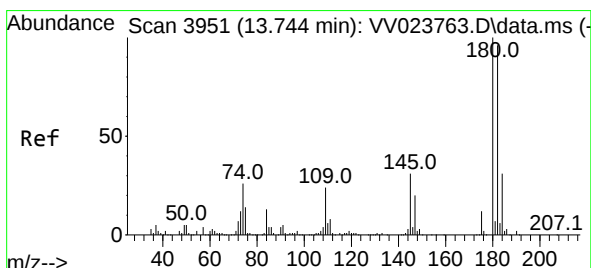
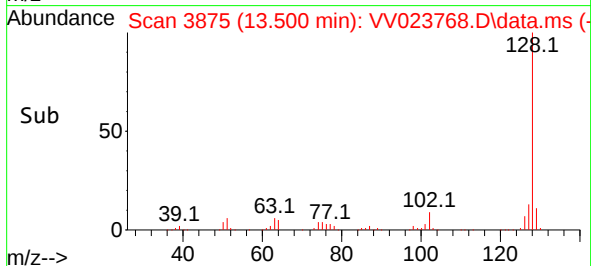
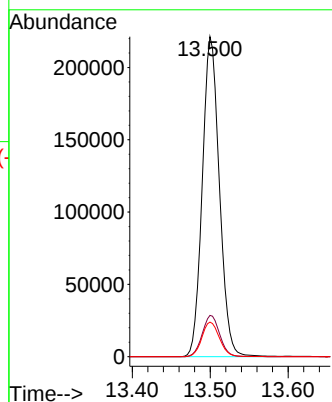
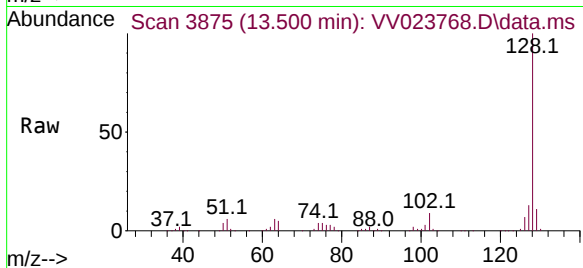
Tgt Ion:128 Resp: 337038

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 11.1 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 28.096 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.003 min

Lab File: VV023768.D

Acq: 02 Dec 2021 09:49

Tgt Ion:180 Resp: 168664

Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.2

145 31.5 25.6 38.4

