

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111221\
 Data File : VW023462.D
 Acq On : 12 Nov 2021 23:37
 Operator : SY/MD
 Sample : M4616-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 13 01:59:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 13 01:39:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	118874	5.000	ug/L	-0.02
28) Chlorobenzene-d5	8.854	117	120215	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	52291	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	50253	6.748	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 135.000%#	
7) Chloroethane-d5	1.568	69	37061	6.106	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 122.200%	
11) 1,1-Dichloroethene-d2	2.108	63	67610	4.850	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	= 97.000%	
20) 2-Butanone-d5	3.892	46	80023	62.373	ug/L	-0.10
Spiked Amount	50.000	Range	40 - 130	Recovery	= 124.740%	
24) Chloroform-d	4.349	84	85426	5.383	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	= 107.600%	
26) 1,2-Dichloroethane-d4	5.034	65	42224	5.916	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	= 118.400%	
32) Benzene-d6	5.053	84	168208	5.453	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 109.000%	
36) 1,2-Dichloropropane-d6	6.069	67	51070	5.625	ug/L	-0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	= 112.400%	
41) Toluene-d8	7.317	98	147181	5.092	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 101.800%	
43) trans-1,3-Dichloroprop...	7.625	79	17904	5.200	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 104.000%	
46) 2-Hexanone-d5	8.088	63	61684	48.695	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	= 97.380%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	32167	4.926	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 98.600%	
66) 1,2-Dichlorobenzene-d4	11.625	152	55763	6.404	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 128.000%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	61547	5.310	ug/L	99
3) Chloromethane	1.243	50	702	0.071	ug/L #	81
5) Vinyl chloride	1.310	62	468	0.048	ug/L #	1
8) Chloroethane	1.307	64	542	0.095	ug/L #	1
9) Trichlorofluoromethane	1.754	101	5311	0.359	ug/L	97
12) 1,1-Dichloroethene	2.121	96	3372	0.476	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	2202	0.141	ug/L #	90
19) 1,1-Dichloroethane	3.195	63	4032	0.274	ug/L	88
22) cis-1,2-Dichloroethene	3.912	96	7071	0.843	ug/L #	91
34) Trichloroethene	5.915	95	106438	11.912	ug/L	98
35) Methylcyclohexane	6.069	83	12678	0.899	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	5619	0.716	ug/L #	83
39) cis-1,3-Dichloropropene	6.985	75	1353	0.120	ug/L #	82
42) Toluene	7.400	91	2372	0.066	ug/L	91
45) 1,1,2-Trichloroethane	7.976	97	4870	0.864	ug/L #	1
47) Tetrachloroethene	7.976	164	623283	80.488	ug/L	99
48) 2-Hexanone	8.149	43	7220	2.832	ug/L	94
49) Dibromochloromethane	7.976	129	483464	67.699	ug/L #	10
61) 1,2,3-Trichloropropane	11.271	75	17047	4.908	ug/L #	55

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Nov 13 01:39:11 2021
Response via : Initial Calibration

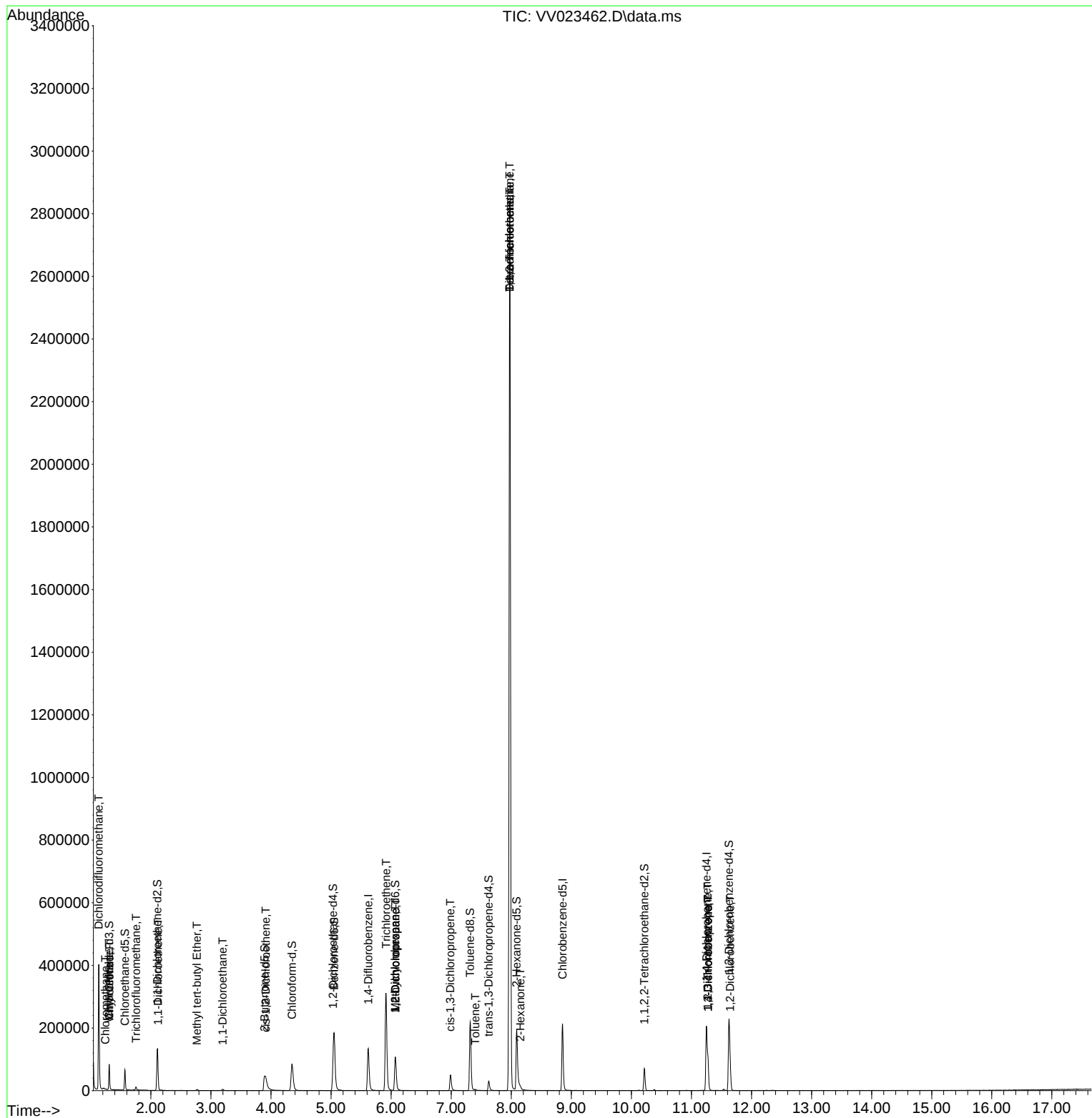
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.275	146	42426	2.767	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	42426	2.710	ug/L	98
67) 1,2-Dichlorobenzene	11.644	146	30653	2.234	ug/L	99

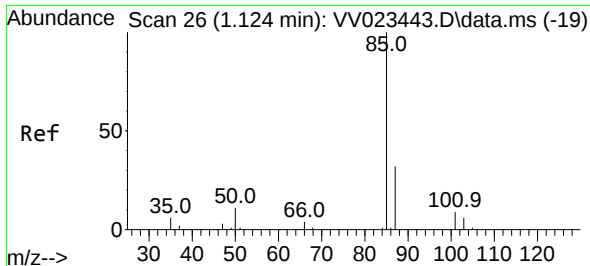
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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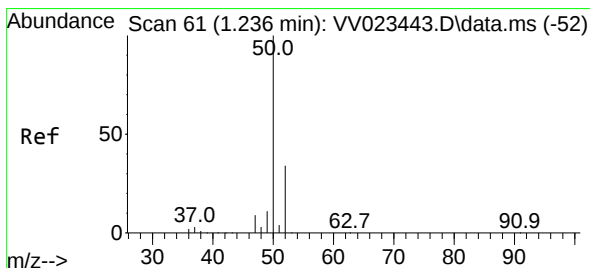
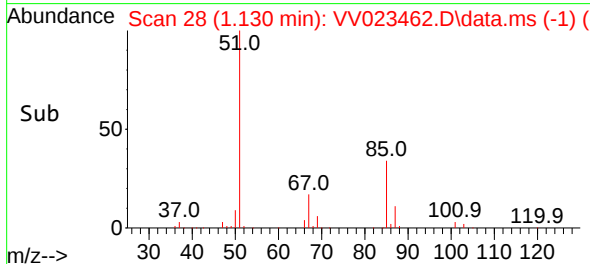
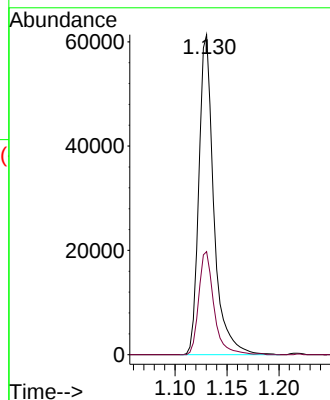
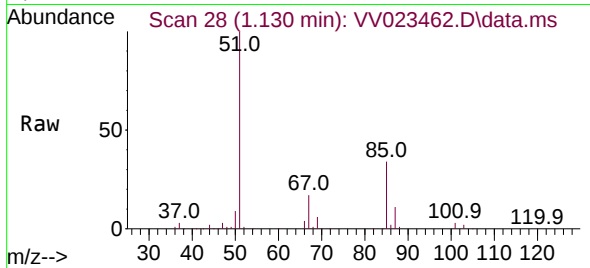




#2
 Dichlorodifluoromethane
 Concen: 5.310 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VV023462.D
 Acq: 12 Nov 2021 23:37

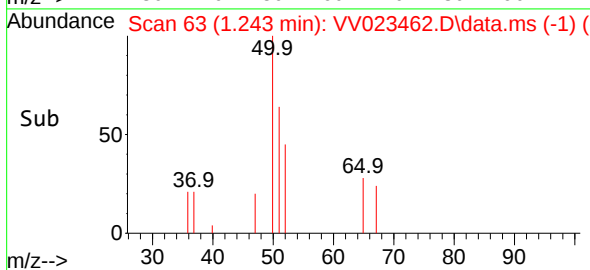
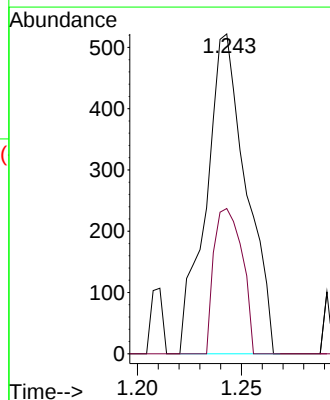
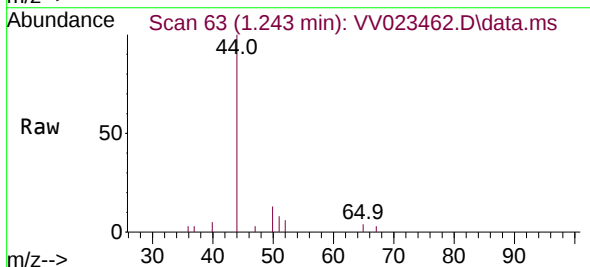
Instrument :
 MSVOA_V
 ClientSampleId :

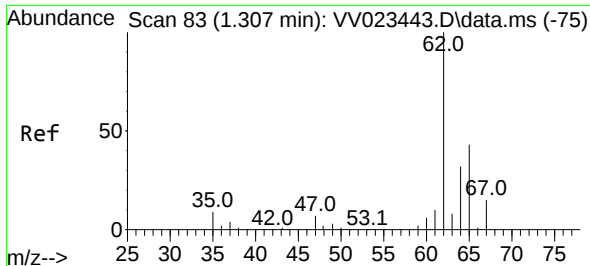
Tgt Ion: 85 Resp: 61547
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.6 39.8



#3
 Chloromethane
 Concen: 0.071 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.006 min
 Lab File: VV023462.D
 Acq: 12 Nov 2021 23:37

Tgt Ion: 50 Resp: 702
 Ion Ratio Lower Upper
 50 100
 52 45.4 24.3 45.1#

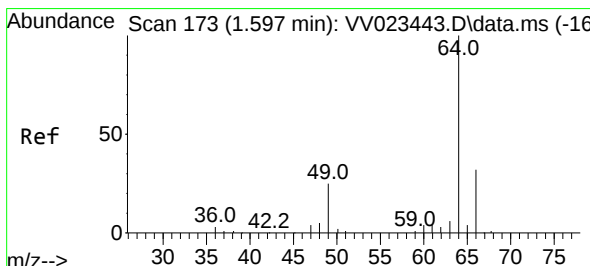
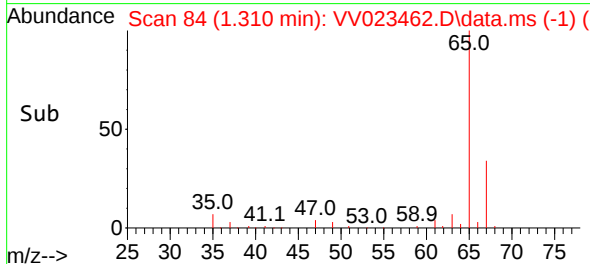
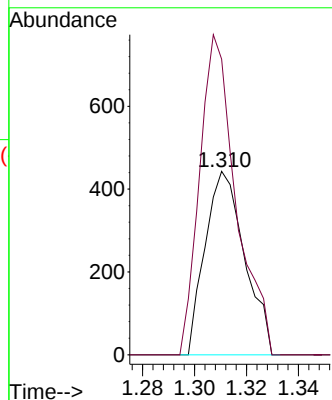
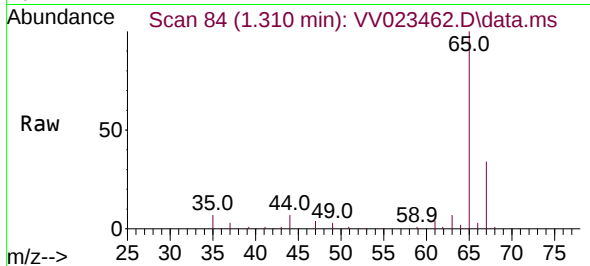




#5
 Vinyl chloride
 Concen: 0.048 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023462.D
 Acq: 12 Nov 2021 23:37

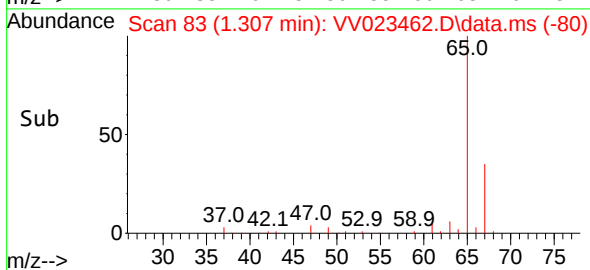
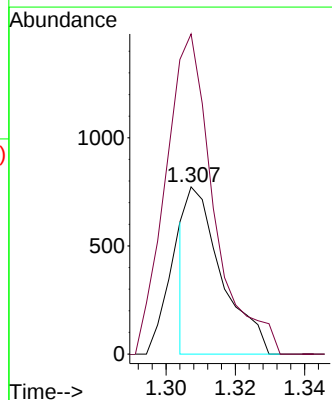
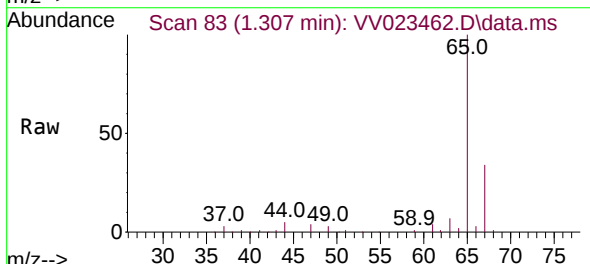
Instrument :
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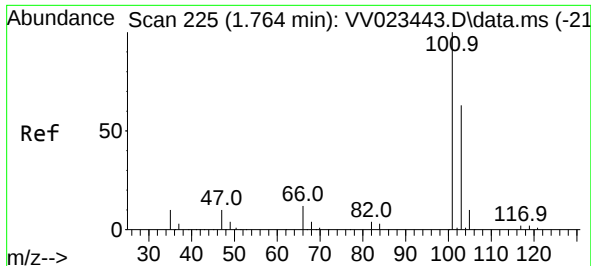
Tgt Ion: 62 Resp: 468
 Ion Ratio Lower Upper
 62 100
 64 161.2 23.1 42.9#



#8
 Chloroethane
 Concen: 0.095 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.289 min
 Lab File: VV023462.D
 Acq: 12 Nov 2021 23:37

Tgt Ion: 64 Resp: 542
 Ion Ratio Lower Upper
 64 100
 66 191.5 22.1 41.1#

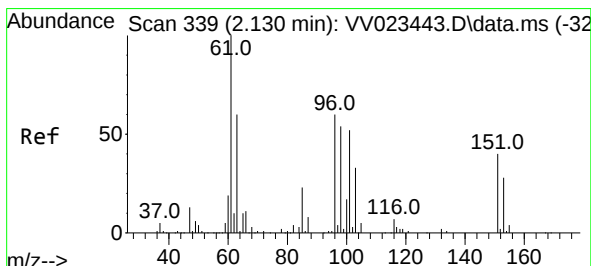
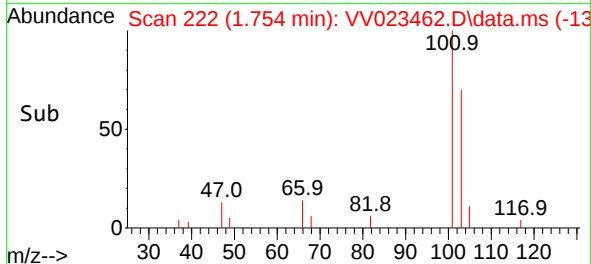
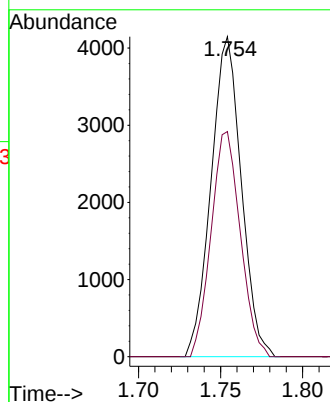
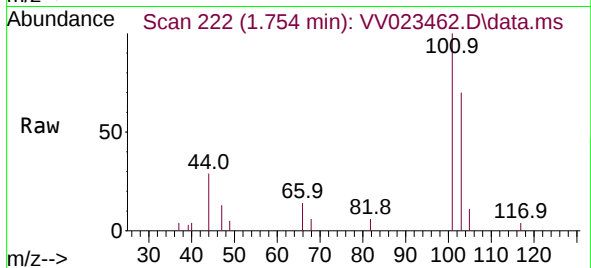




#9
 Trichlorofluoromethane
 Concen: 0.359 ug/L
 RT: 1.754 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: VV023462.D
 Acq: 12 Nov 2021 23:37

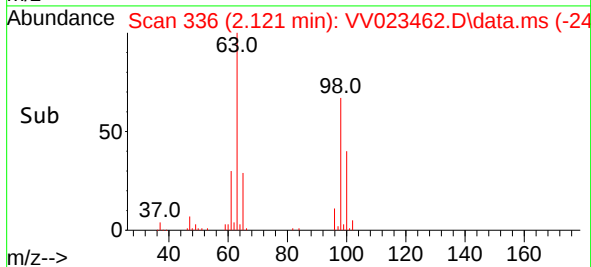
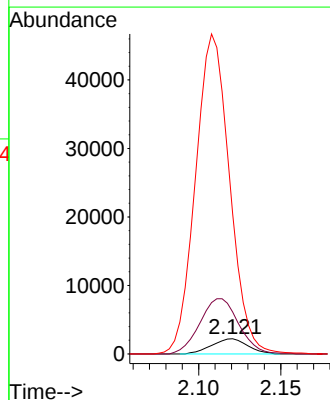
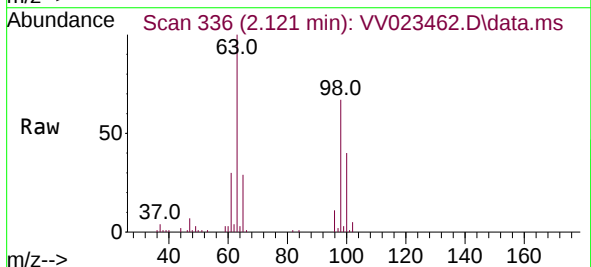
Instrument :
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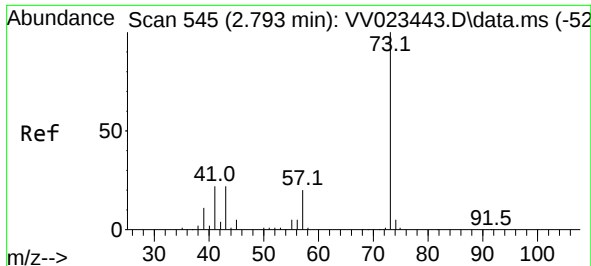
Tgt Ion:101 Resp: 5311
 Ion Ratio Lower Upper
 101 100
 103 67.9 52.6 79.0



#12
 1,1-Dichloroethene
 Concen: 0.476 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. -0.010 min
 Lab File: VV023462.D
 Acq: 12 Nov 2021 23:37

Tgt Ion: 96 Resp: 3372
 Ion Ratio Lower Upper
 96 100
 61 276.3 121.5 225.7#
 63 922.4 99.6 185.0#

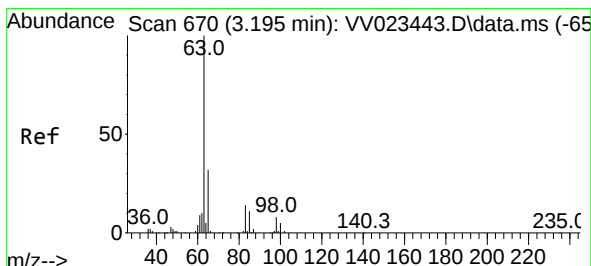
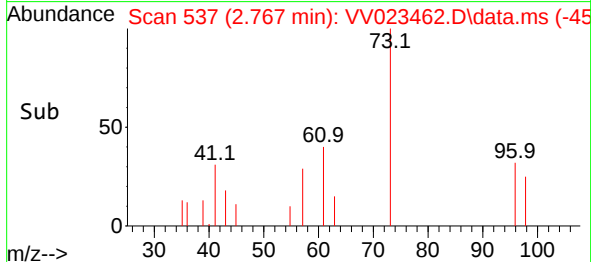
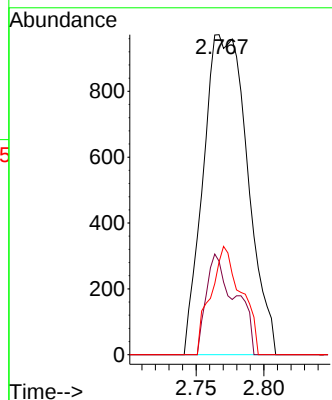
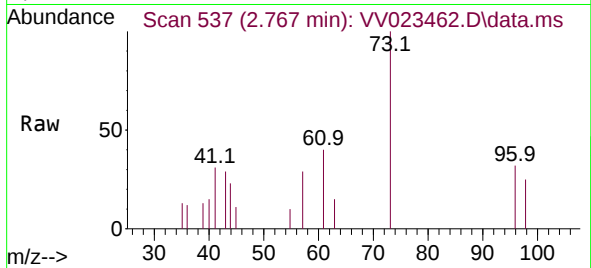




#17
Methyl tert-butyl Ether
Concen: 0.141 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.026 min
Lab File: VV023462.D
Acq: 12 Nov 2021 23:37

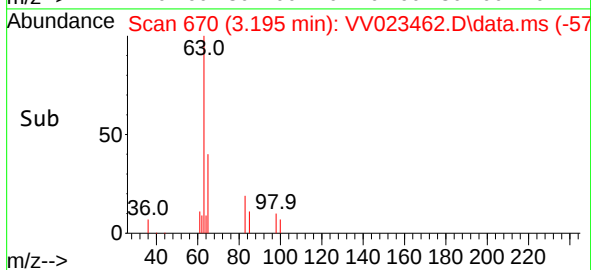
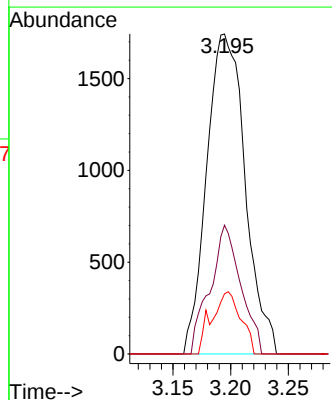
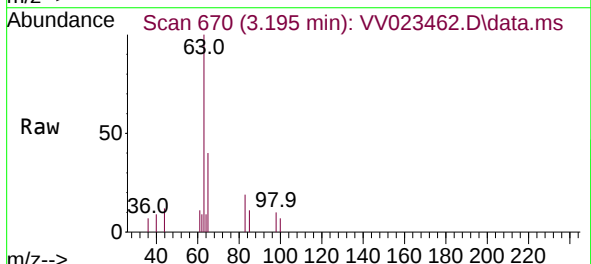
Instrument :
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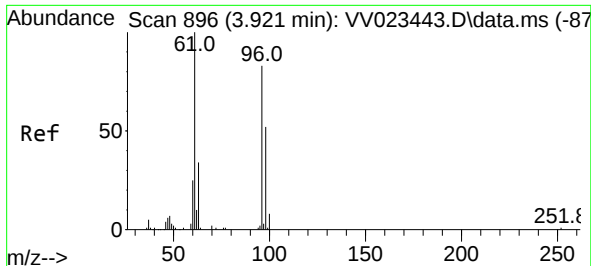
Tgt Ion: 73 Resp: 2202
Ion Ratio Lower Upper
73 100
43 14.9 17.4 26.0#
57 23.5 16.5 24.7



#19
1,1-Dichloroethane
Concen: 0.274 ug/L
RT: 3.195 min Scan# 670
Delta R.T. -0.000 min
Lab File: VV023462.D
Acq: 12 Nov 2021 23:37

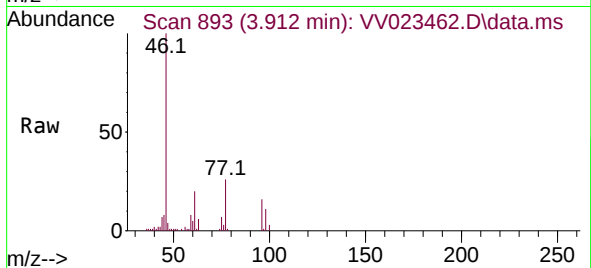
Tgt Ion: 63 Resp: 4032
Ion Ratio Lower Upper
63 100
65 40.3 22.6 42.0
83 18.8 11.1 20.7



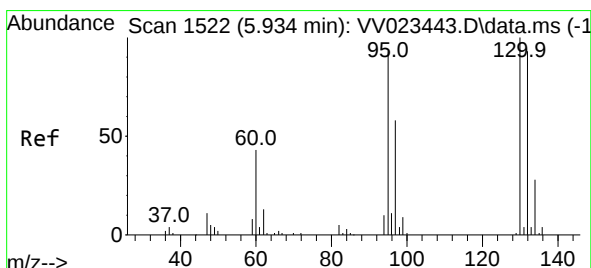
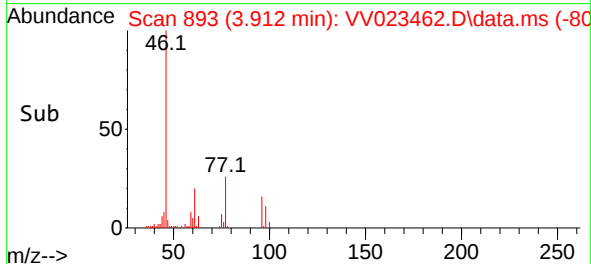
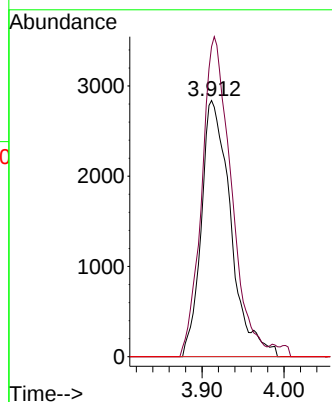


#22
cis-1,2-Dichloroethene
Concen: 0.843 ug/L
RT: 3.912 min Scan# 896
Delta R.T. -0.010 min
Lab File: VV023462.D
Acq: 12 Nov 2021 23:37

Instrument :
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ClientSampleId :

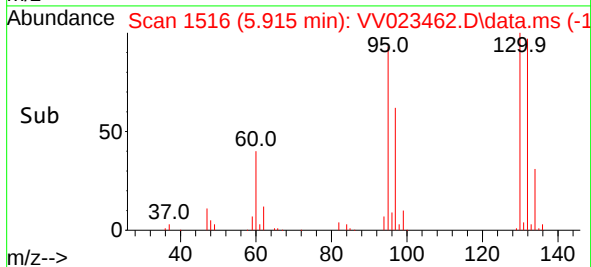
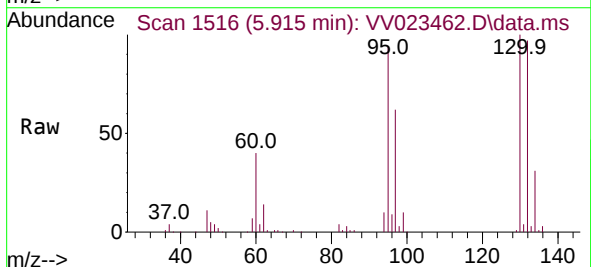
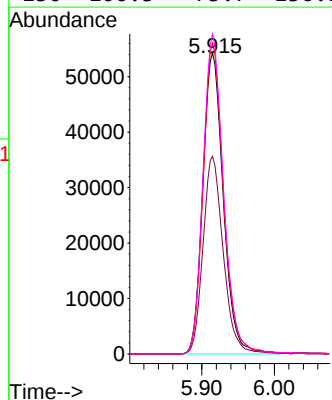


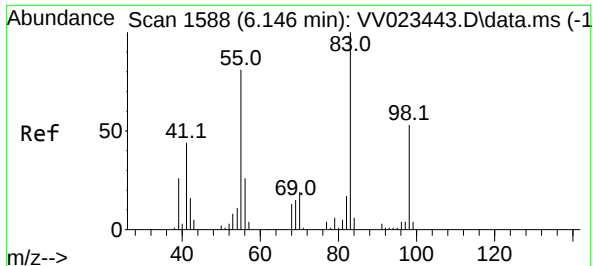
Tgt Ion: 96 Resp: 7071
Ion Ratio Lower Upper
96 100
61 121.1 92.3 171.3
68 0.0 0.4 0.8#



#34
Trichloroethene
Concen: 11.912 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. -0.019 min
Lab File: VV023462.D
Acq: 12 Nov 2021 23:37

Tgt Ion: 95 Resp: 106438
Ion Ratio Lower Upper
95 100
97 65.6 45.0 83.6
132 103.3 69.7 129.4
130 106.3 73.7 136.9





#35

Methylcyclohexane

Concen: 0.899 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.077 min

Lab File: VV023462.D

Acq: 12 Nov 2021 23:37

Instrument :

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ClientSampleId :

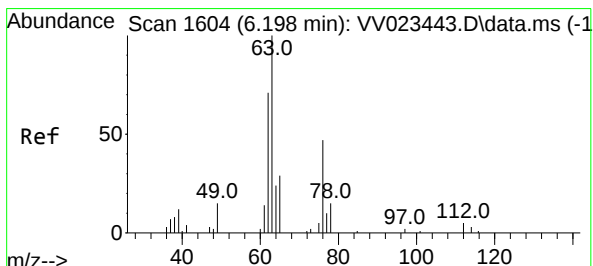
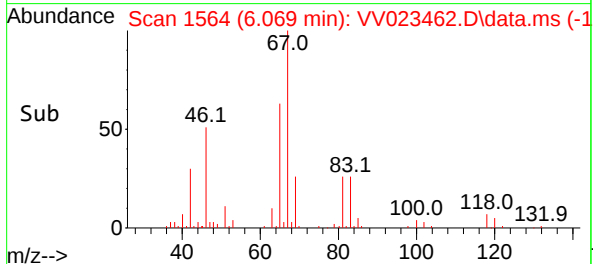
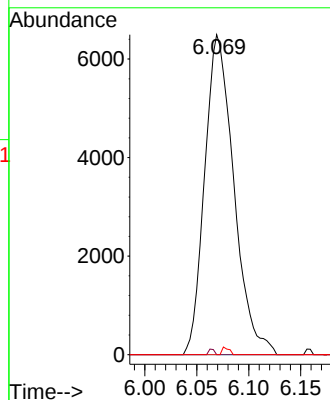
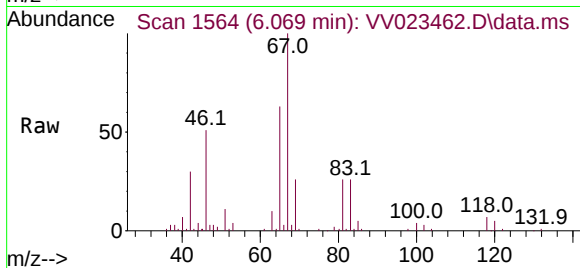
Tgt Ion: 83 Resp: 12678

Ion Ratio Lower Upper

83 100

55 0.3 62.8 94.2#

98 1.2 37.9 56.9#



#37

1,2-Dichloropropane

Concen: 0.716 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.125 min

Lab File: VV023462.D

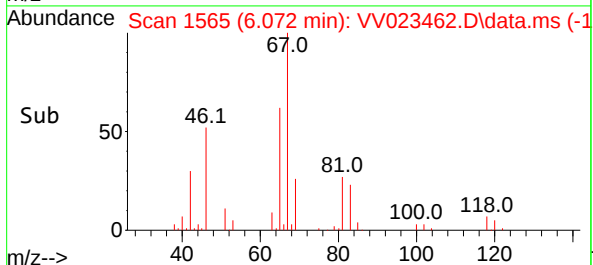
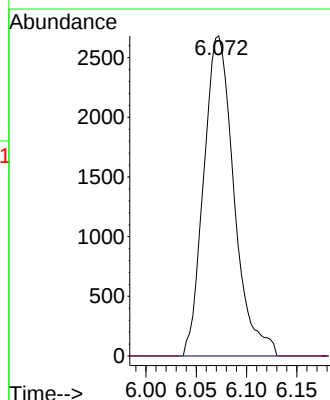
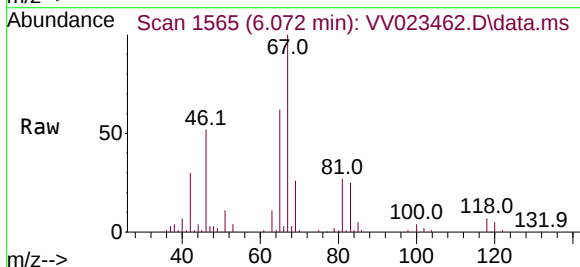
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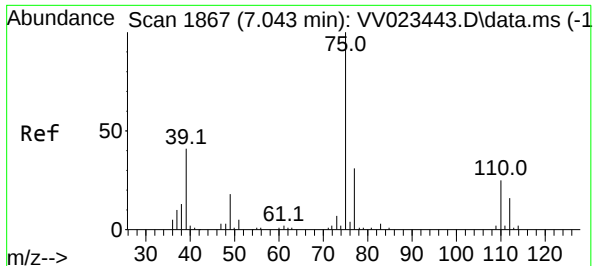
Tgt Ion: 63 Resp: 5619

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.120 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.058 min

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MSVOA_V

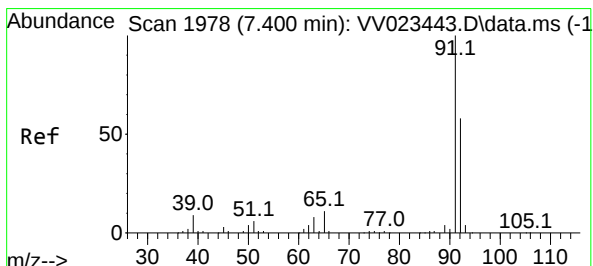
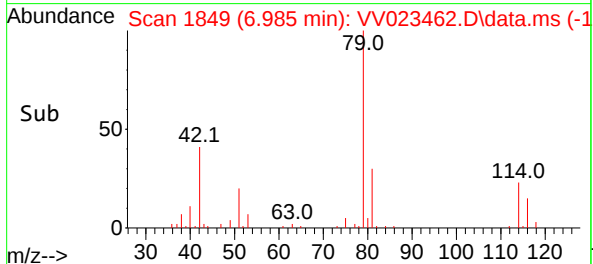
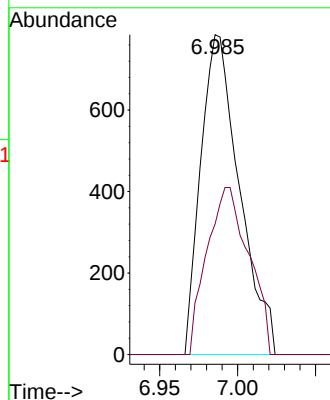
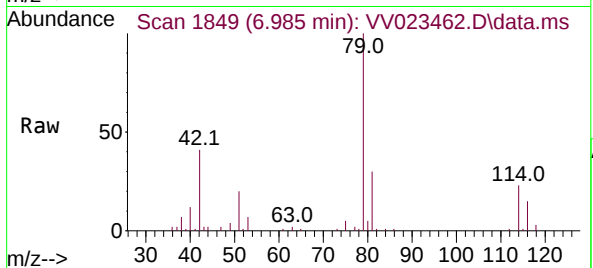
ClientSampleId :

Tgt Ion: 75 Resp: 1353

Ion Ratio Lower Upper

75 100

77 40.8 21.6 40.2#



#42

Toluene

Concen: 0.066 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. -0.000 min

Lab File: VV023462.D

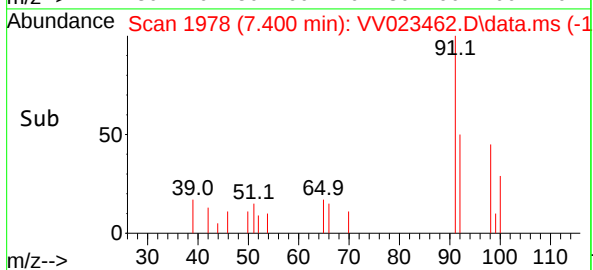
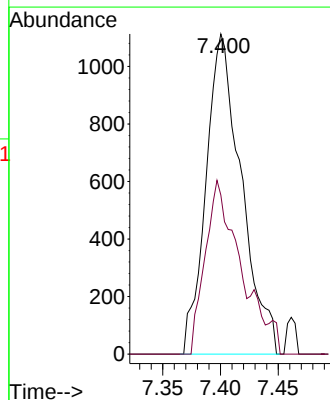
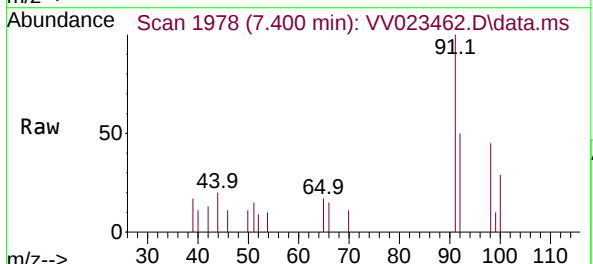
Acq: 12 Nov 2021 23:37

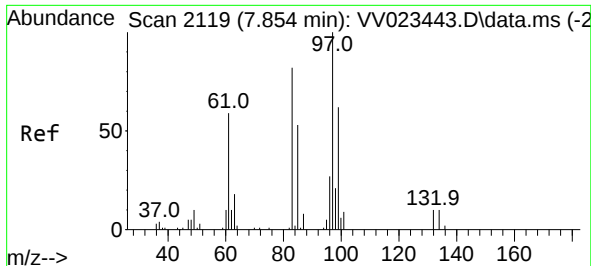
Tgt Ion: 91 Resp: 2372

Ion Ratio Lower Upper

91 100

92 49.7 39.3 72.9





#45

1,1,2-Trichloroethane

Concen: 0.864 ug/L

RT: 7.976 min Scan# 2119

Delta R.T. 0.122 min

Lab File: VV023462.D

Acq: 12 Nov 2021 23:37

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 4870

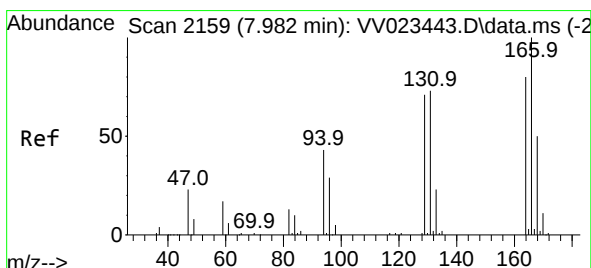
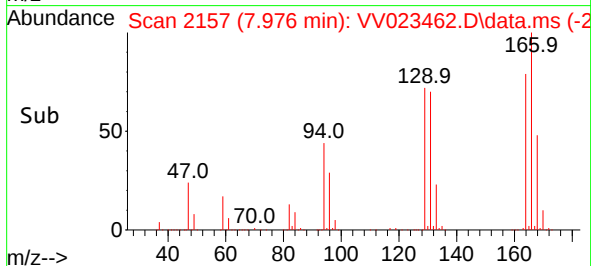
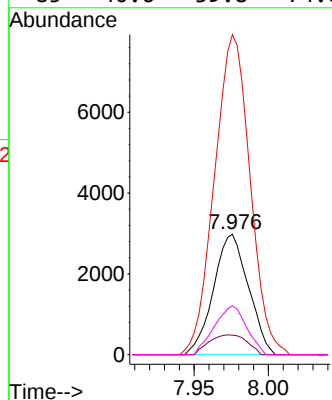
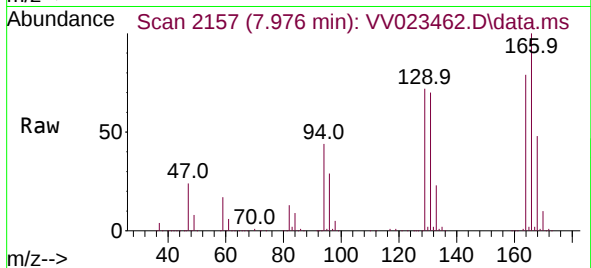
Ion Ratio Lower Upper

97 100

99 16.2 43.6 81.0#

83 265.7 58.4 108.4#

85 40.6 39.8 74.0



#47

Tetrachloroethene

Concen: 80.488 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.006 min

Lab File: VV023462.D

Acq: 12 Nov 2021 23:37

Tgt Ion:164 Resp: 623283

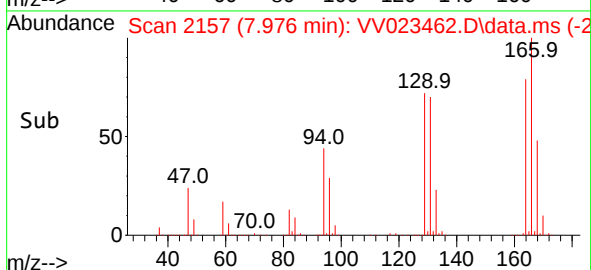
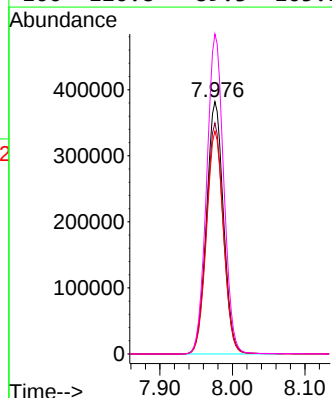
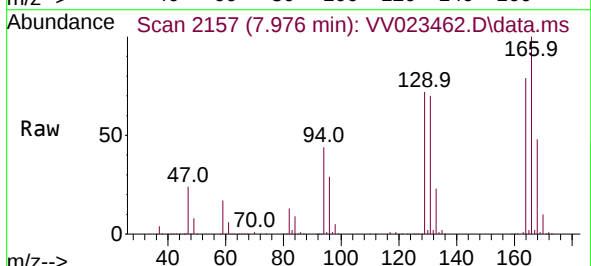
Ion Ratio Lower Upper

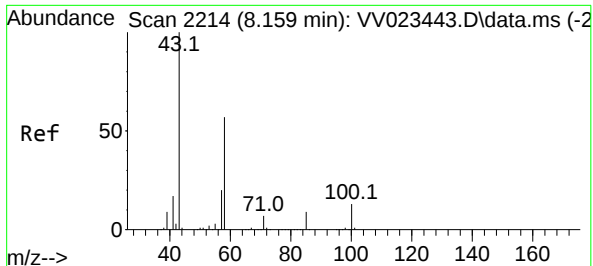
164 100

129 91.5 64.0 119.0

131 88.3 63.4 117.8

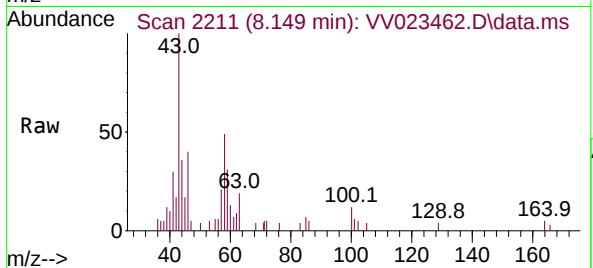
166 126.8 89.3 165.9



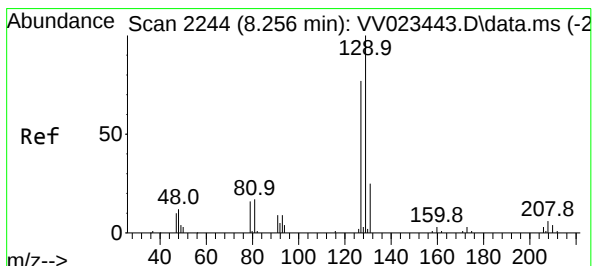
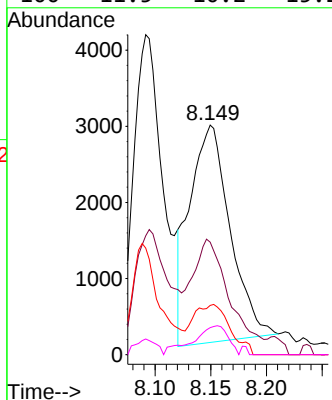
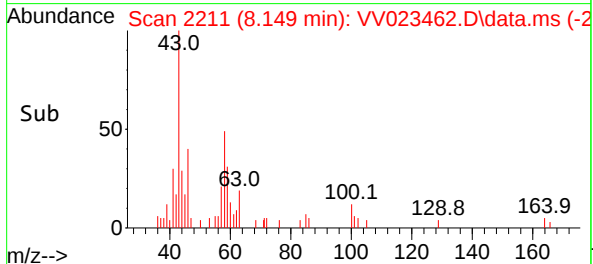


#48
2-Hexanone
Concen: 2.832 ug/L
RT: 8.149 min Scan# 2157
Delta R.T. -0.010 min
Lab File: VV023462.D
Acq: 12 Nov 2021 23:37

Instrument :
MSVOA_V
ClientSampleId :

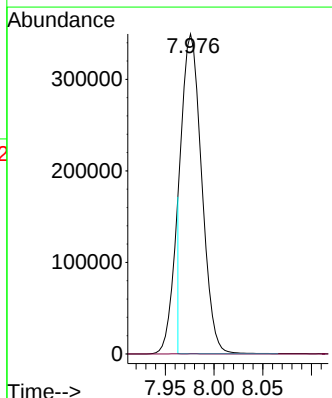
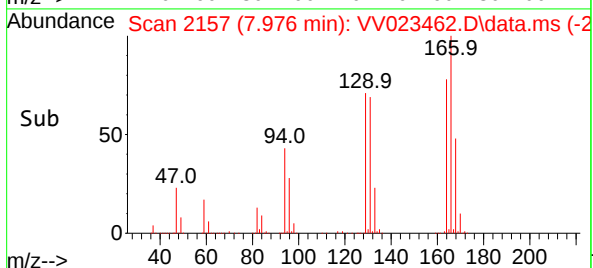
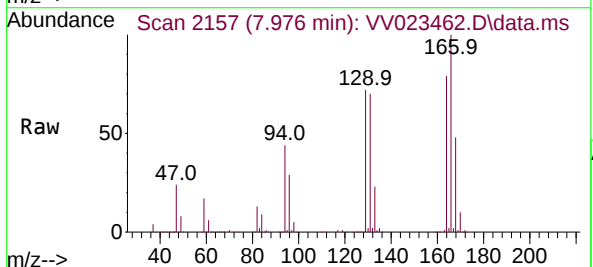


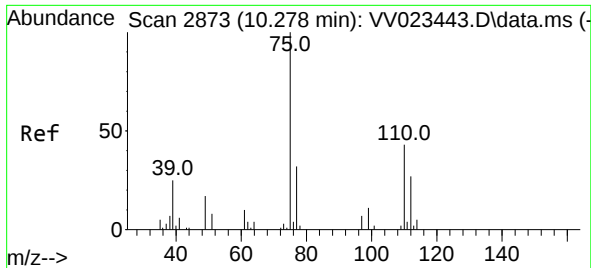
Tgt Ion: 43	Resp: 7220
Ion Ratio	Lower Upper
43 100	
58 50.4	43.7 65.5
57 20.9	14.1 21.1
100 11.5	10.2 15.2



#49
Dibromochloromethane
Concen: 67.699 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.280 min
Lab File: VV023462.D
Acq: 12 Nov 2021 23:37

Tgt Ion:129	Resp: 483464
Ion Ratio	Lower Upper
129 100	
127 0.1	54.7 101.7#

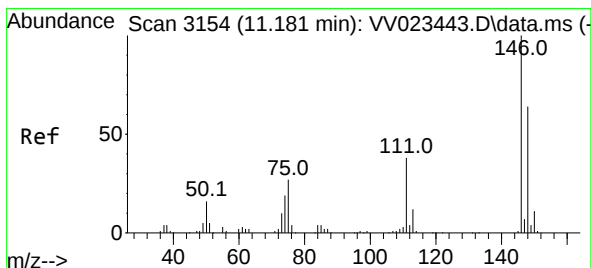
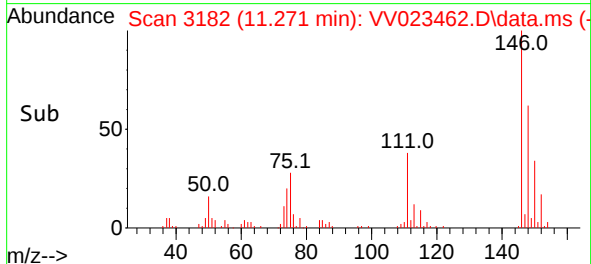
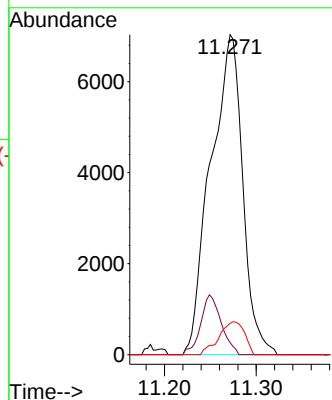
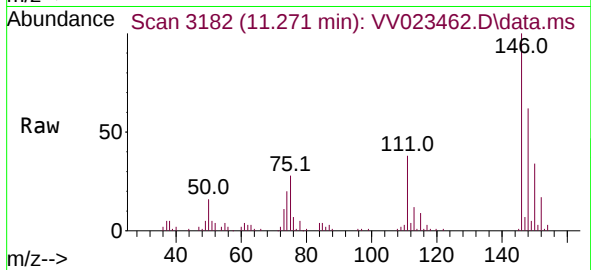




#61
1,2,3-Trichloropropane
Concen: 4.908 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.994 min
Lab File: VV023462.D
Acq: 12 Nov 2021 23:37

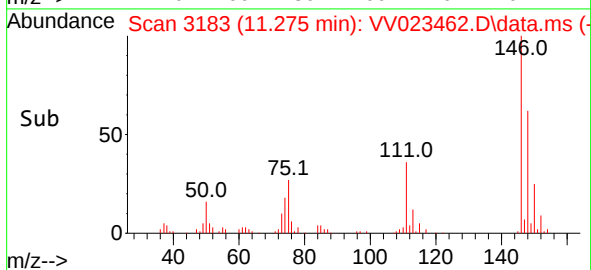
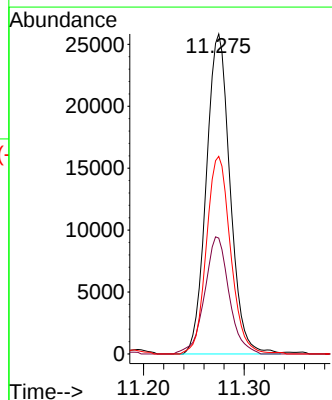
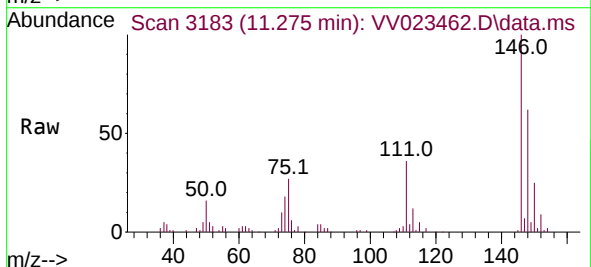
Instrument :
MSVOA_V
ClientSampleId :

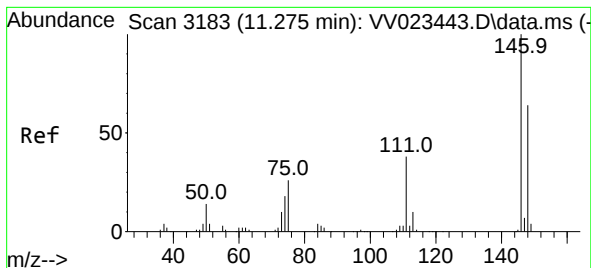
Tgt Ion: 75 Resp: 17047
Ion Ratio Lower Upper
75 100
77 12.0 26.6 39.8#
110 8.2 31.8 47.6#



#64
1,3-Dichlorobenzene
Concen: 2.767 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.093 min
Lab File: VV023462.D
Acq: 12 Nov 2021 23:37

Tgt Ion:146 Resp: 42426
Ion Ratio Lower Upper
146 100
111 36.2 26.7 49.7
148 61.8 42.9 79.7





#65

1,4-Dichlorobenzene

Concen: 2.710 ug/L

RT: 11.275 min Scan# 3183

Delta R.T. -0.000 min

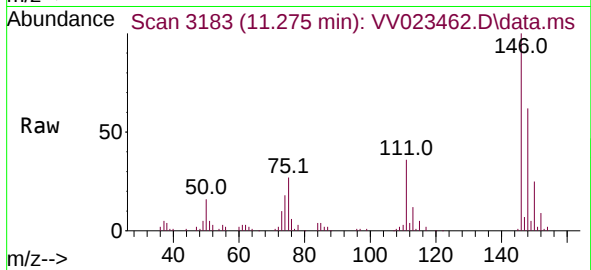
Lab File: VV023462.D

Acq: 12 Nov 2021 23:37

Instrument :

MSVOA_V

ClientSampleId :



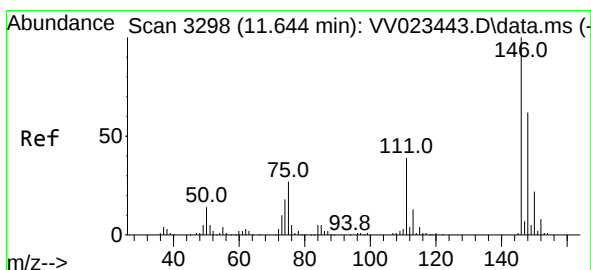
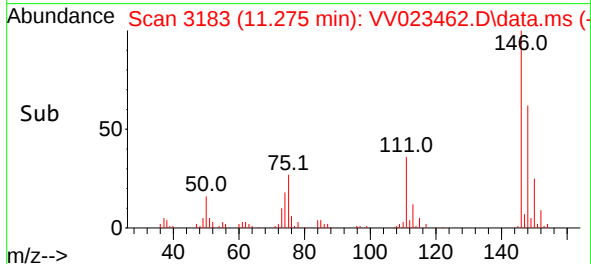
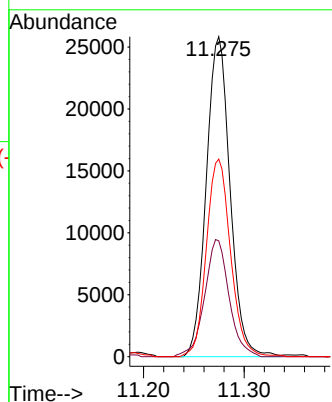
Tgt Ion:146 Resp: 42426

Ion Ratio Lower Upper

146 100

111 36.2 26.2 48.8

148 61.8 44.4 82.5



#67

1,2-Dichlorobenzene

Concen: 2.234 ug/L

RT: 11.644 min Scan# 3298

Delta R.T. -0.000 min

Lab File: VV023462.D

Acq: 12 Nov 2021 23:37

Tgt Ion:146 Resp: 30653

Ion Ratio Lower Upper

146 100

111 40.8 31.6 47.4

148 64.1 51.0 76.6

