

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111221\
 Data File : VW023428.D
 Acq On : 12 Nov 2021 08:44
 Operator : SY/MD
 Sample : M4542-06DL 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 13 00:10:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 12 04:43:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	108119	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	108619	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	50396	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	29490	4.354	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.000%
7) Chloroethane-d5	1.568	69	25866	4.686	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.800%
11) 1,1-Dichloroethene-d2	2.105	63	43761	3.451	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.000%
20) 2-Butanone-d5	3.902	46	40969	35.109	ug/L	-0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.220%
24) Chloroform-d	4.346	84	62677	4.342	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.031	65	28938	4.458	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	5.047	84	116859	4.193	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
36) 1,2-Dichloropropane-d6	6.069	67	36711	4.475	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.400%
41) Toluene-d8	7.314	98	99459	3.808	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.200%
43) trans-1,3-Dichloroprop...	7.625	79	11446	3.679	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.600%
46) 2-Hexanone-d5	8.092	63	37913	33.125	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	66.240%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	23672	4.012	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	38365	4.572	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1005	0.112	ug/L	96
5) Vinyl chloride	1.311	62	5032	0.562	ug/L	94
8) Chloroethane	1.584	64	1418	0.274	ug/L	94
12) 1,1-Dichloroethene	2.111	96	1145	0.178	ug/L #	1
19) 1,1-Dichloroethane	3.188	63	29293	2.189	ug/L	98
22) cis-1,2-Dichloroethene	3.908	96	19787	2.594	ug/L #	86
29) 1,1,1-Trichloroethane	4.603	97	51756	3.923	ug/L	98
31) Carbon tetrachloride	4.603	117	7319	0.618	ug/L	93
34) Trichloroethene	5.912	95	65086	8.062	ug/L	97
37) 1,2-Dichloropropane	6.069	63	4397	0.620	ug/L #	83
42) Toluene	7.397	91	3211	0.099	ug/L	95
47) Tetrachloroethene	7.976	164	5139	0.734	ug/L	95
48) 2-Hexanone	8.149	43	4989	2.166	ug/L #	92
49) Dibromochloromethane	7.973	129	4292	0.665	ug/L #	10
51) Chlorobenzene	8.883	112	21079	0.977	ug/L	95
60) Isopropylbenzene	9.934	105	4465	0.154	ug/L	98
61) 1,2,3-Trichloropropane	11.249	75	6541	1.954	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.918	105	6760	0.282	ug/L	93
63) 1,2,4-Trimethylbenzene	10.918	105	6760	0.283	ug/L	97

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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

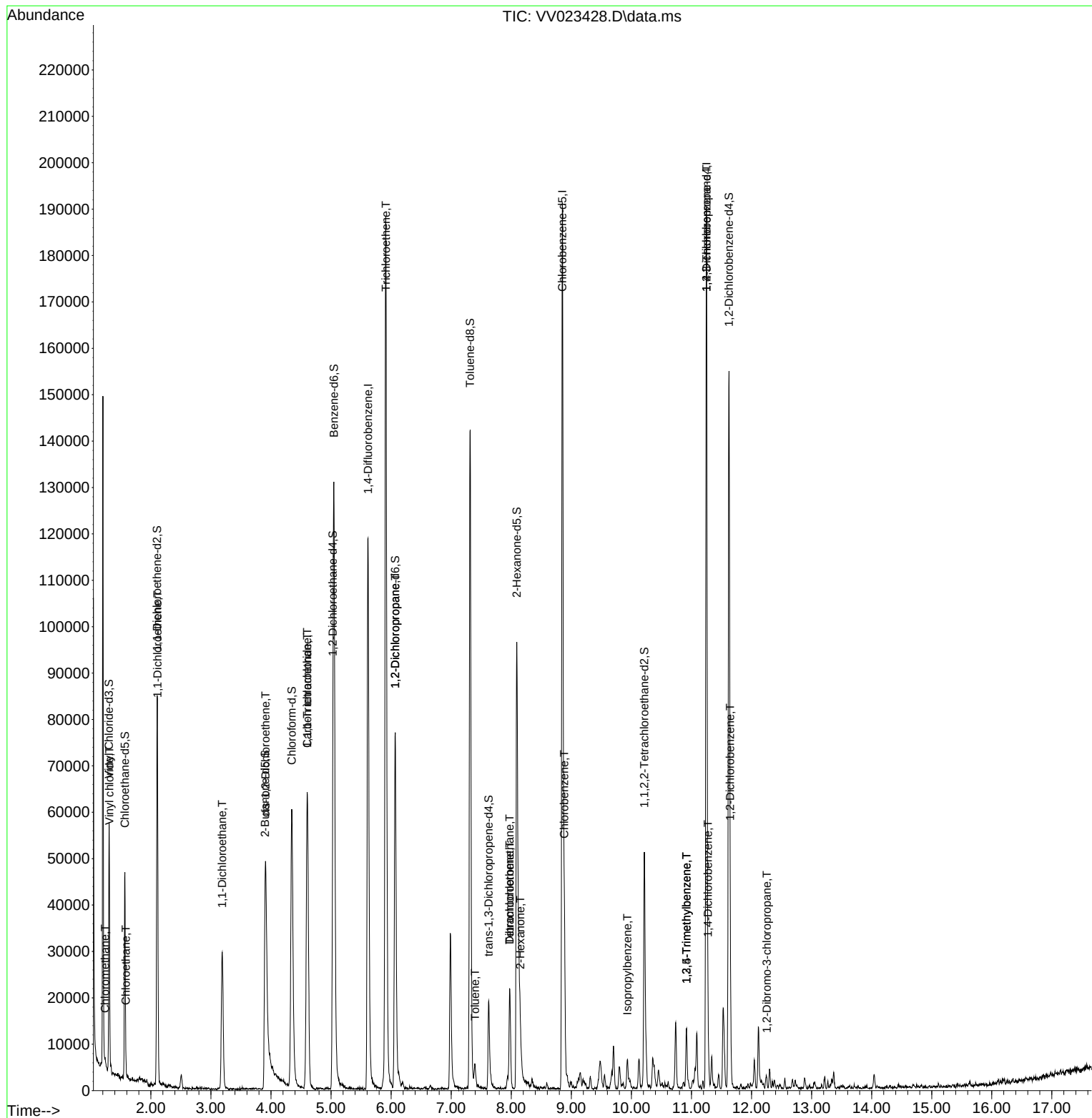
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.275	146	3516	0.233	ug/L	88
67) 1,2-Dichlorobenzene	11.645	146	6610	0.500	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.252	75	67	0.094	ug/L #	1

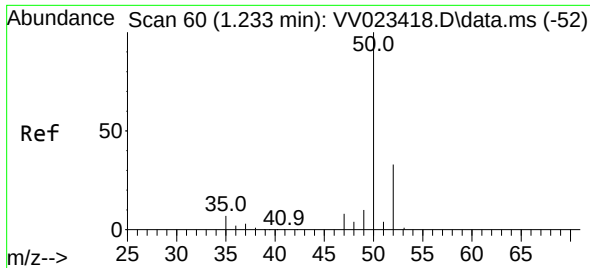
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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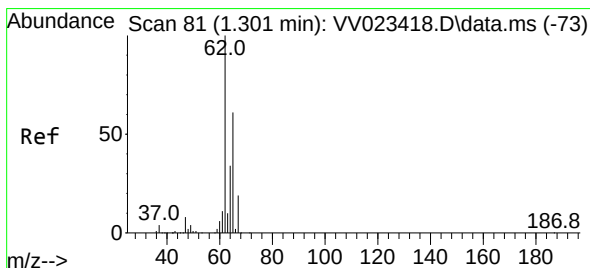
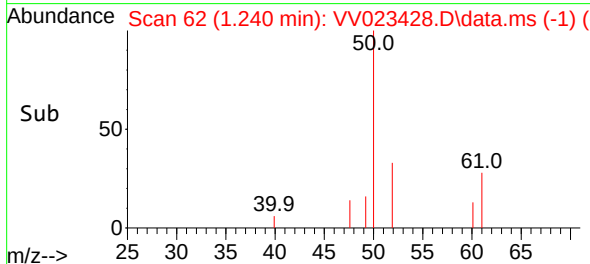
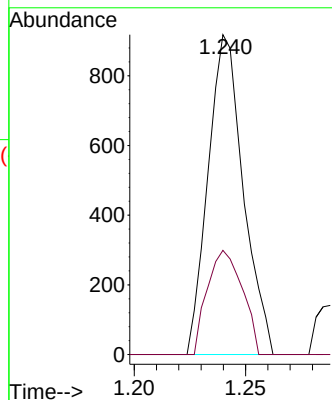
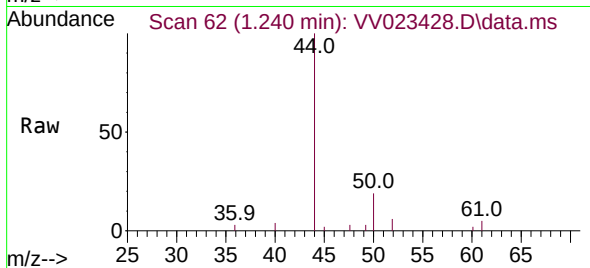




#3
Chloromethane
Concen: 0.112 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.006 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

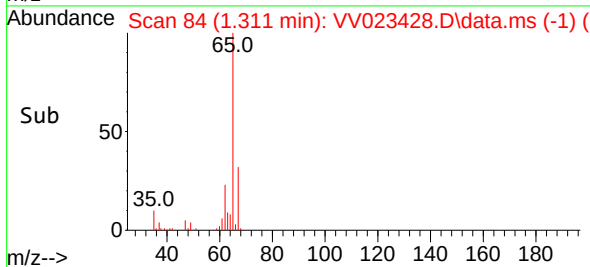
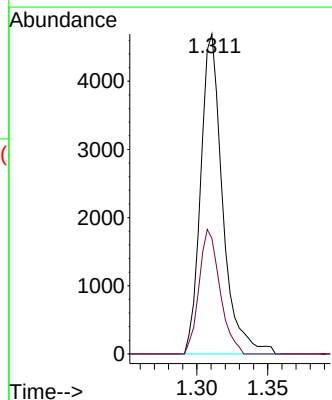
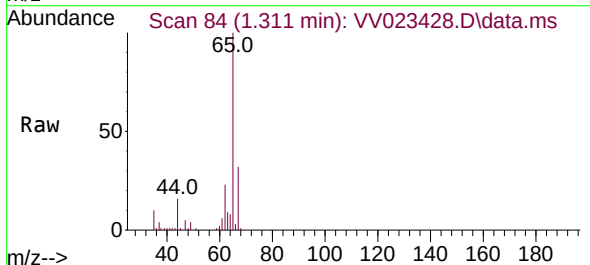
Instrument :
MSVOA_V
ClientSampleId :

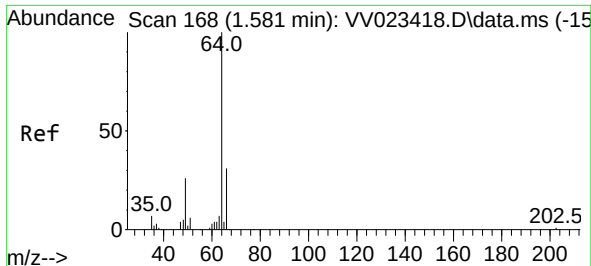
Tgt Ion: 50 Resp: 1005
Ion Ratio Lower Upper
50 100
52 32.6 24.3 45.1



#5
Vinyl chloride
Concen: 0.562 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.010 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

Tgt Ion: 62 Resp: 5032
Ion Ratio Lower Upper
62 100
64 36.1 23.1 42.9

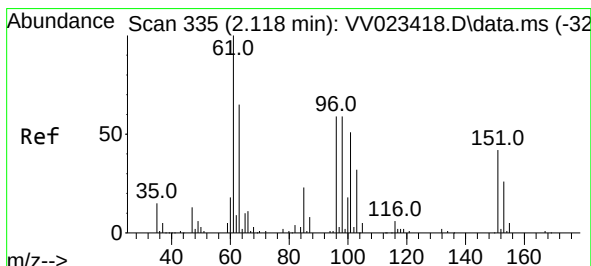
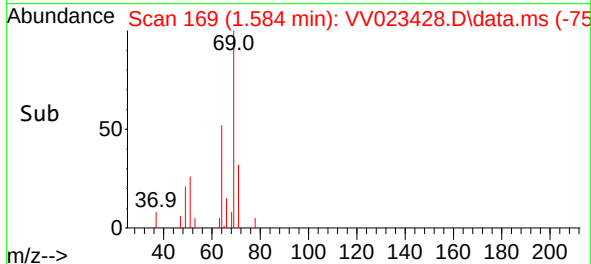
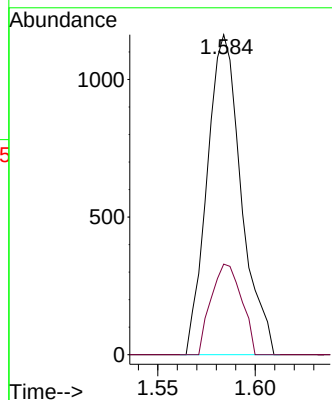
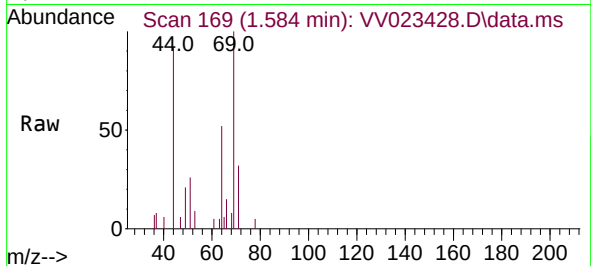




#8
Chloroethane
Concen: 0.274 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

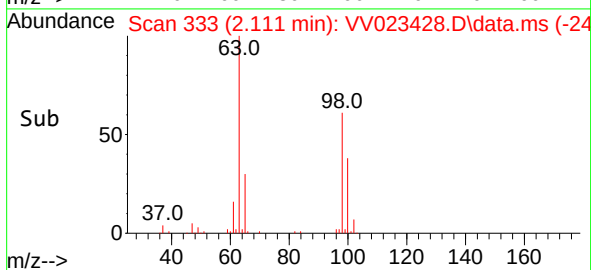
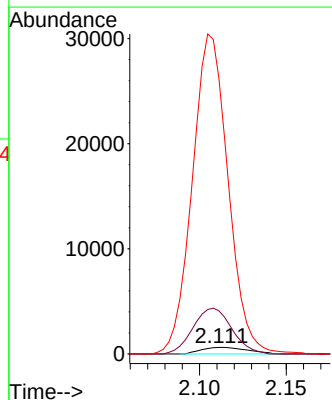
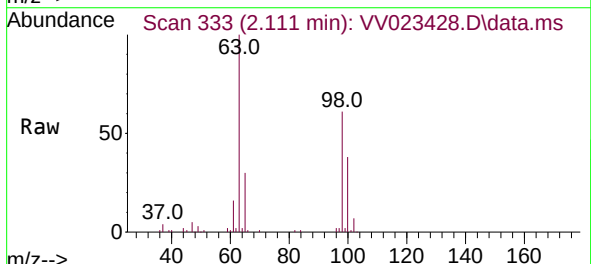
Instrument :
MSVOA_V
ClientSampleId :

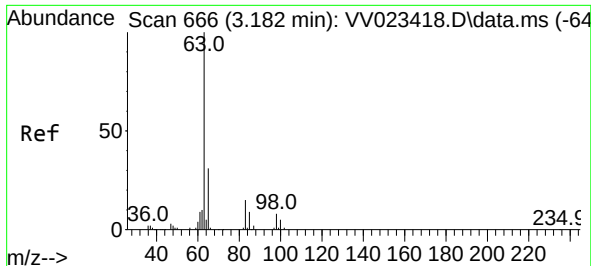
Tgt Ion: 64 Resp: 1418
Ion Ratio Lower Upper
64 100
66 28.3 22.1 41.1



#12
1,1-Dichloroethene
Concen: 0.178 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

Tgt Ion: 96 Resp: 1145
Ion Ratio Lower Upper
96 100
61 657.7 121.5 225.7#
63 4203.8 99.6 185.0#





#19

1,1-Dichloroethane

Concen: 2.189 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.006 min

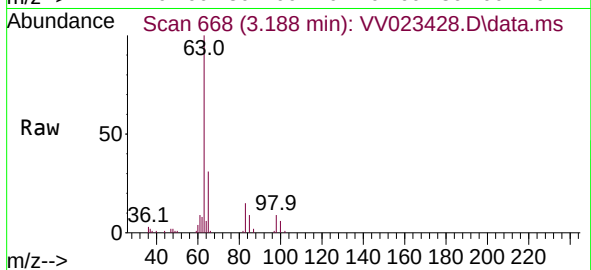
Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

Instrument :

MSVOA_V

ClientSampleId :



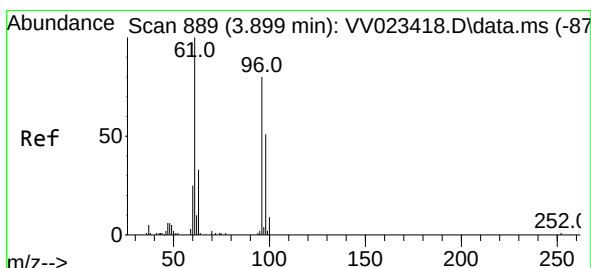
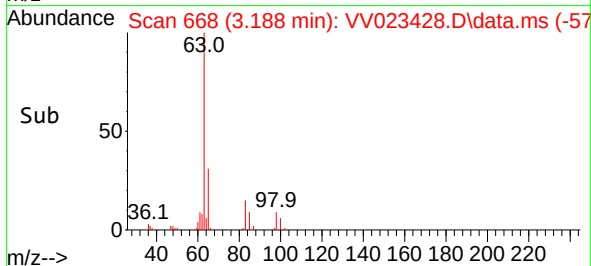
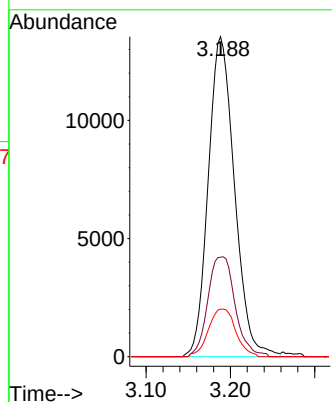
Tgt Ion: 63 Resp: 29293

Ion Ratio Lower Upper

63 100

65 31.1 22.6 42.0

83 14.9 11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 2.594 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.010 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

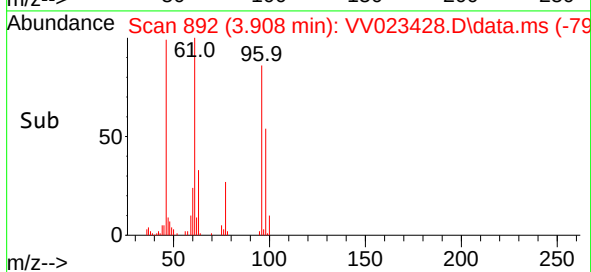
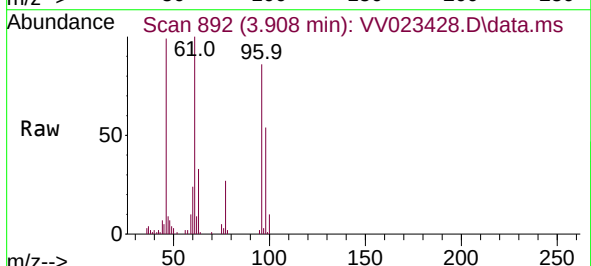
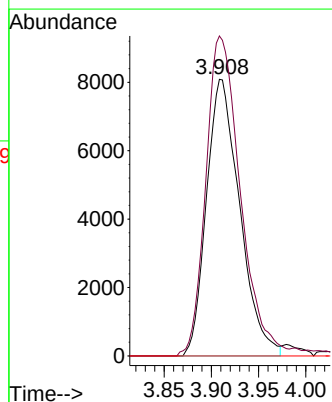
Tgt Ion: 96 Resp: 19787

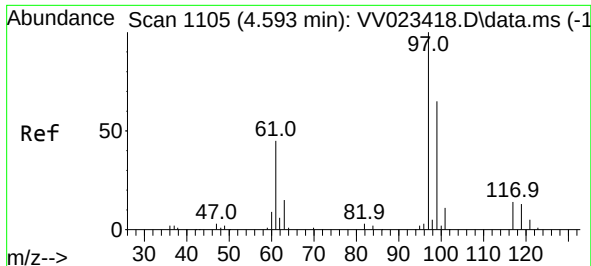
Ion Ratio Lower Upper

96 100

61 115.7 92.3 171.3

68 0.0 0.4 0.8#





#29

1,1,1-Trichloroethane

Concen: 3.923 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.010 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

Instrument :

MSVOA_V

ClientSampleId :

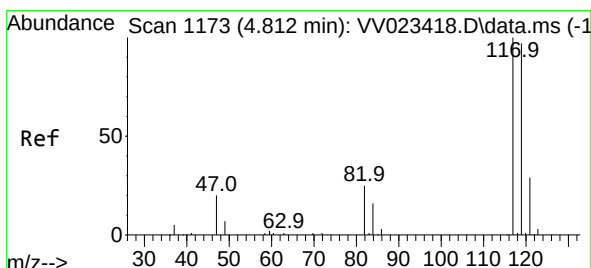
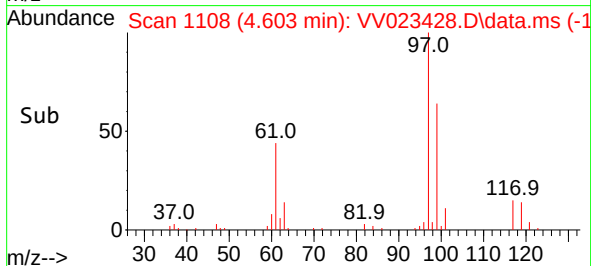
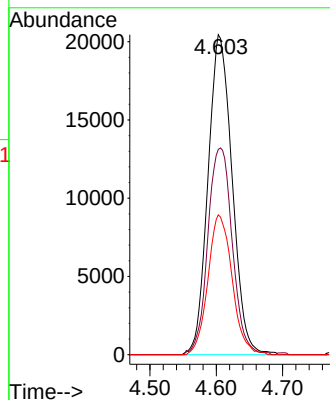
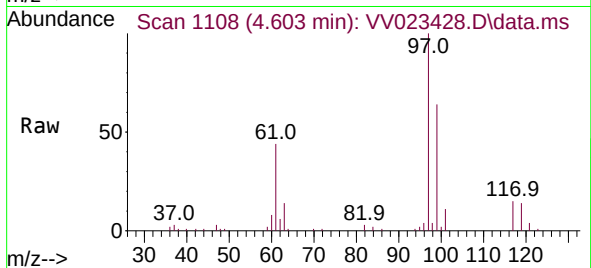
Tgt Ion: 97 Resp: 51756

Ion Ratio Lower Upper

97 100

99 65.6 51.0 76.4

61 43.7 34.1 51.1



#31

Carbon tetrachloride

Concen: 0.618 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.209 min

Lab File: VV023428.D

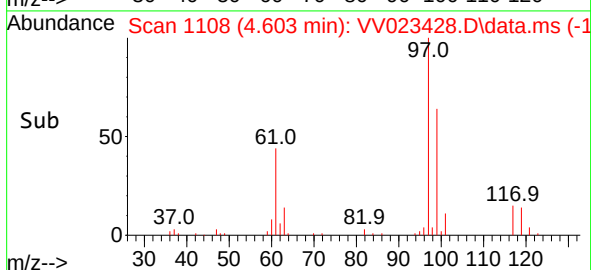
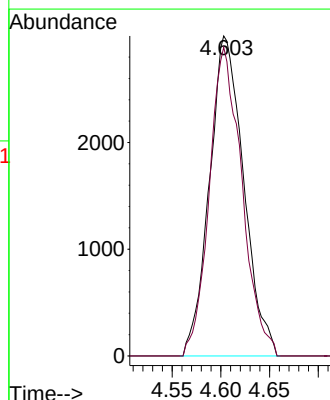
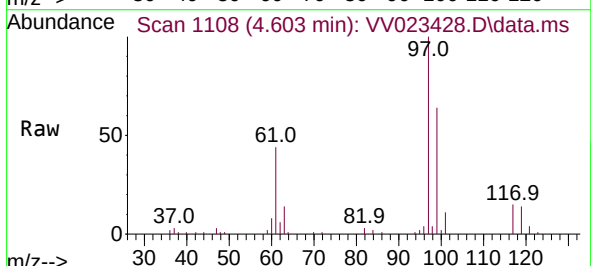
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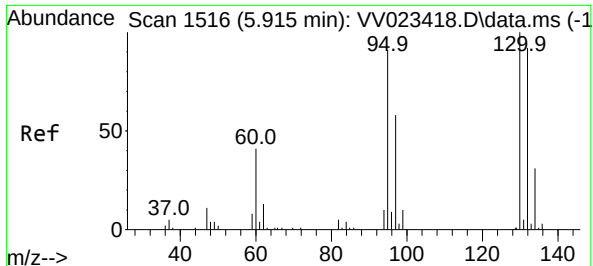
Tgt Ion: 117 Resp: 7319

Ion Ratio Lower Upper

117 100

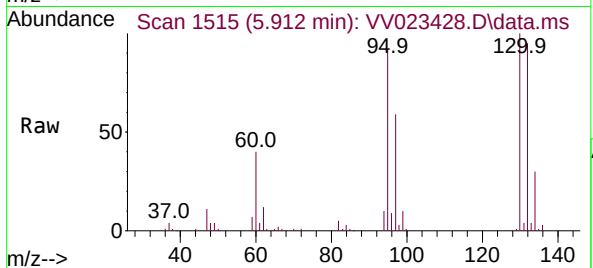
119 92.0 78.8 118.2



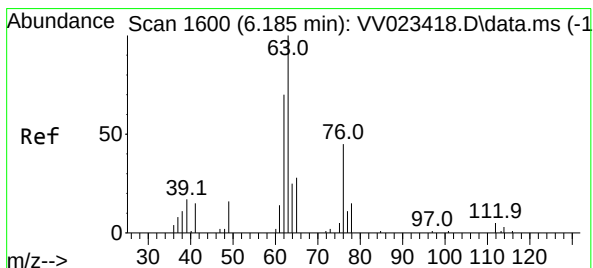
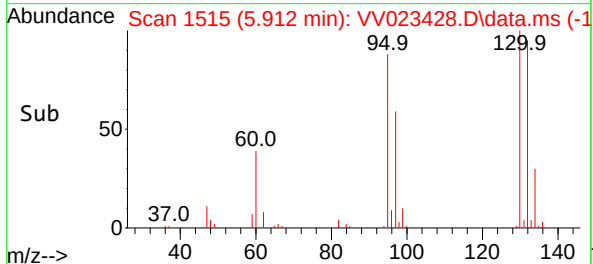
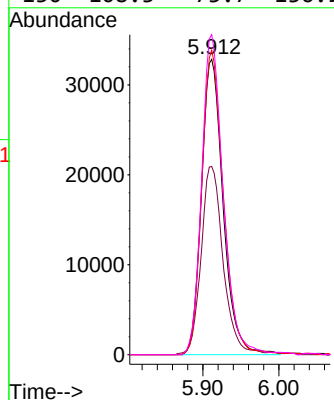


#34
Trichloroethene
Concen: 8.062 ug/L
RT: 5.912 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

Instrument :
MSVOA_V
ClientSampleId :

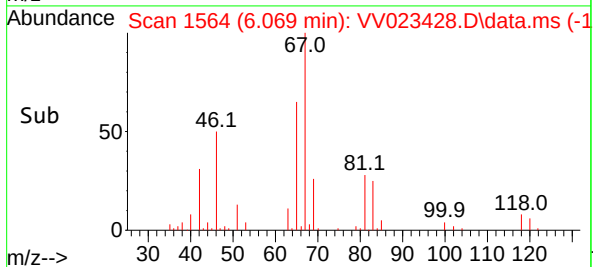
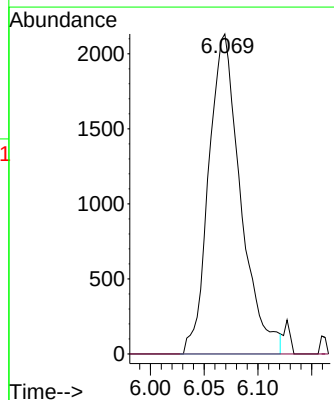
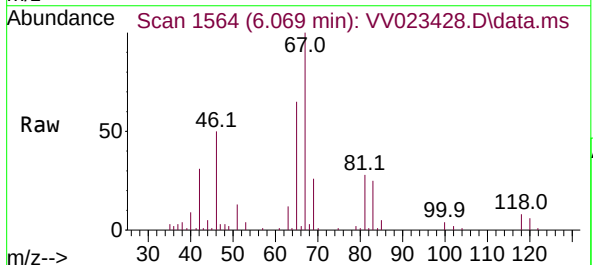


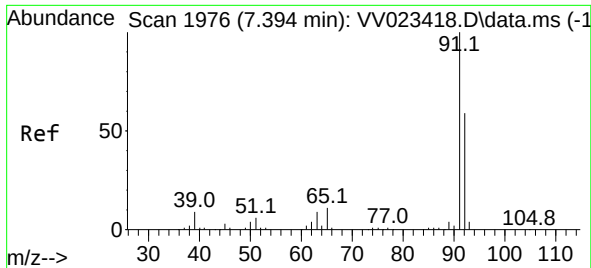
Tgt Ion: 95 Resp: 65086
Ion Ratio Lower Upper
95 100
97 63.7 45.0 83.6
132 103.1 69.7 129.4
130 108.3 73.7 136.9



#37
1,2-Dichloropropane
Concen: 0.620 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.116 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

Tgt Ion: 63 Resp: 4397
Ion Ratio Lower Upper
63 100
112 0.0 4.6 6.8#





#42

Toluene

Concen: 0.099 ug/L

RT: 7.397 min Scan# 1976

Delta R.T. 0.003 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

Instrument :

MSVOA_V

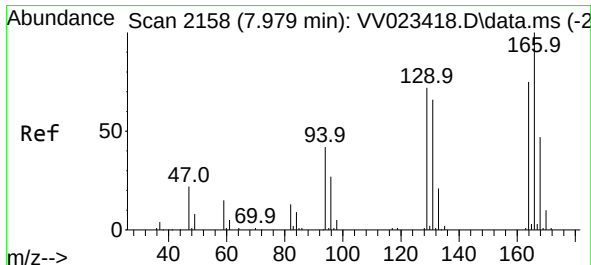
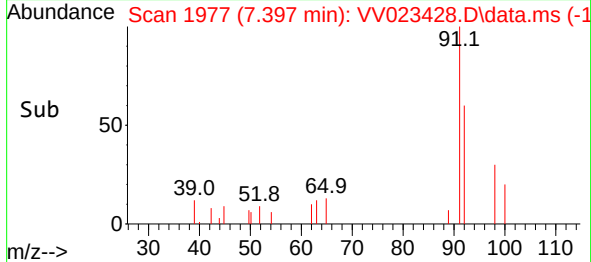
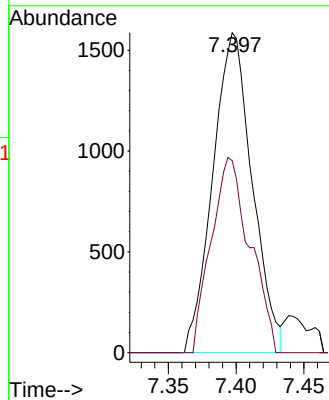
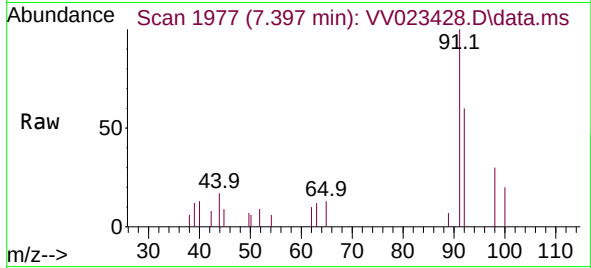
ClientSampleId :

Tgt Ion: 91 Resp: 3211

Ion Ratio Lower Upper

91 100

92 60.0 39.3 72.9



#47

Tetrachloroethene

Concen: 0.734 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.003 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

Tgt Ion: 164 Resp: 5139

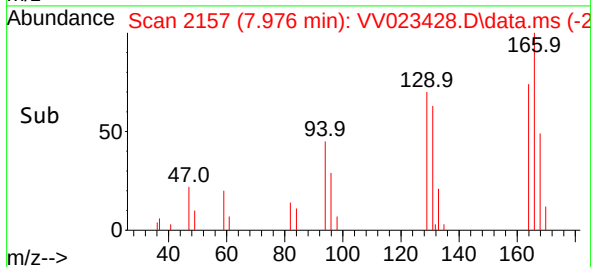
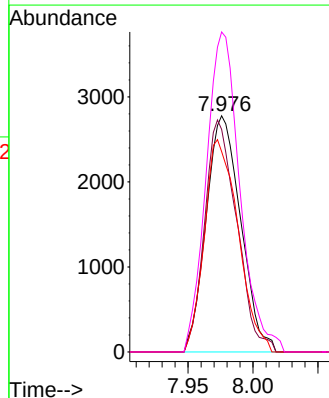
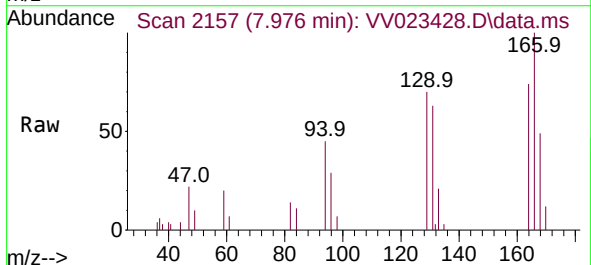
Ion Ratio Lower Upper

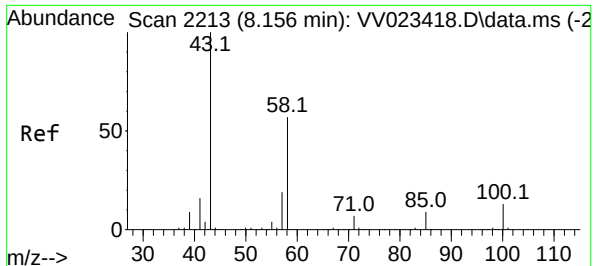
164 100

129 94.2 64.0 119.0

131 84.8 63.4 117.8

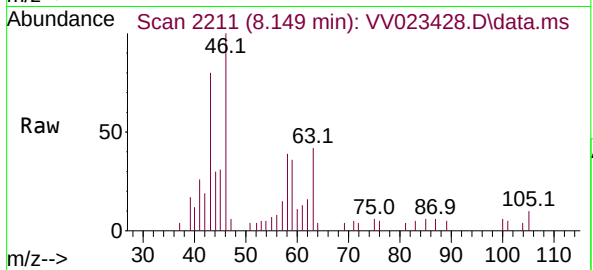
166 135.5 89.3 165.9



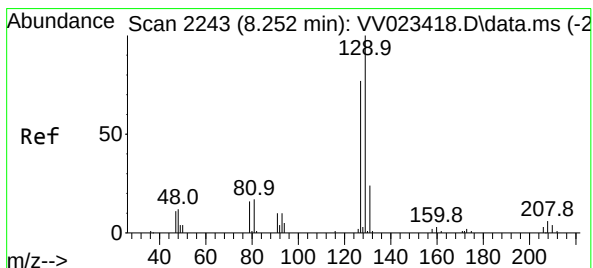
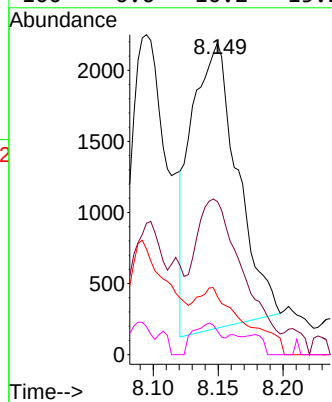
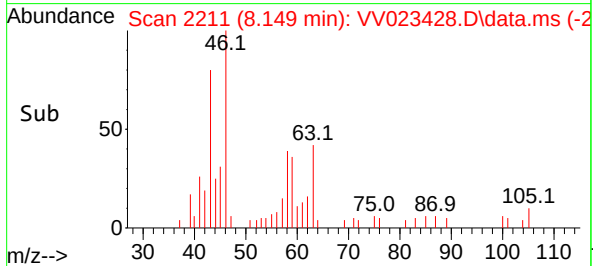


#48
2-Hexanone
Concen: 2.166 ug/L
RT: 8.149 min Scan# 2156
Delta R.T. -0.006 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

Instrument :
MSVOA_V
ClientSampleId :

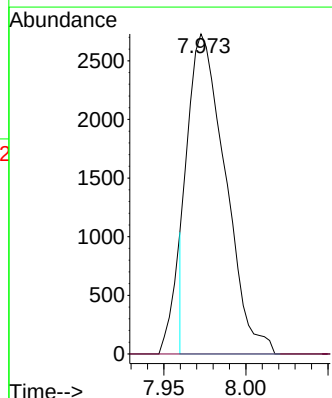
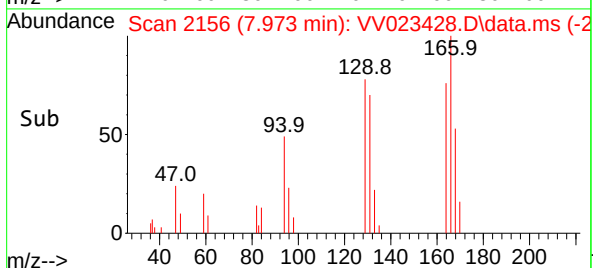
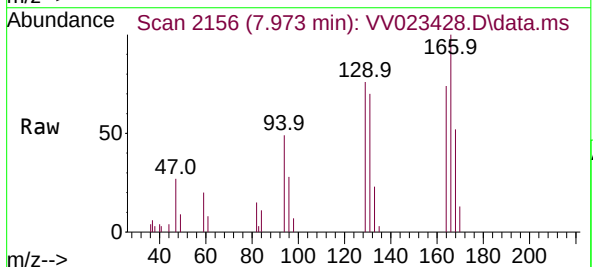


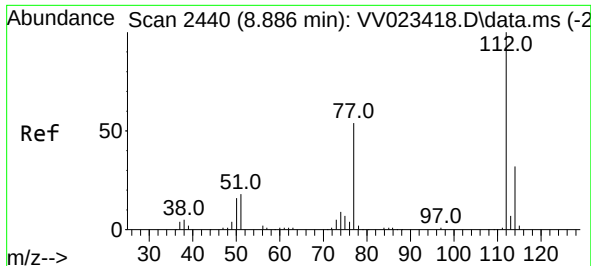
Tgt Ion: 43 Resp: 4989
Ion Ratio Lower Upper
43 100
58 57.4 43.7 65.5
57 24.3 14.1 21.1#
100 6.6 10.2 15.2#



#49
Dibromochloromethane
Concen: 0.665 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. -0.280 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

Tgt Ion: 129 Resp: 4292
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

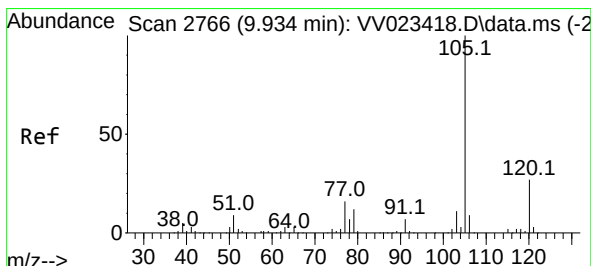
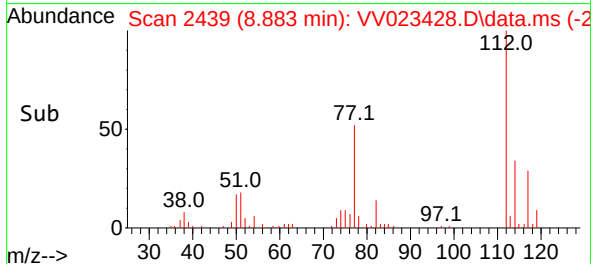
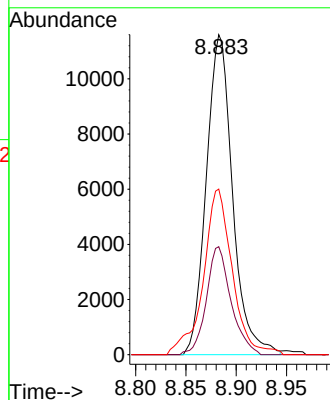
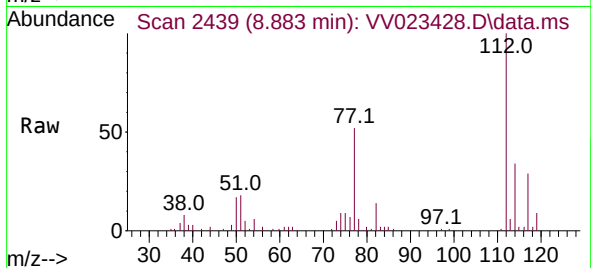




#51
Chlorobenzene
Concen: 0.977 ug/L
RT: 8.883 min Scan# 2440
Delta R.T. -0.003 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

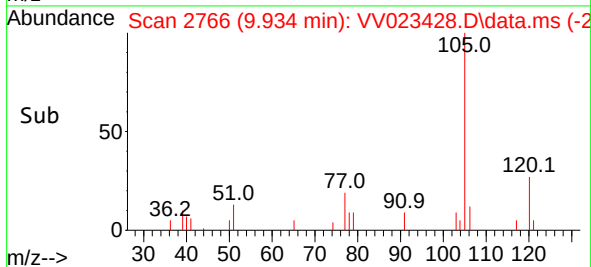
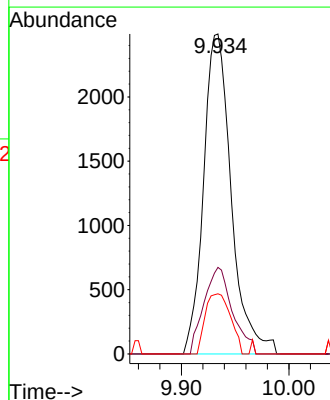
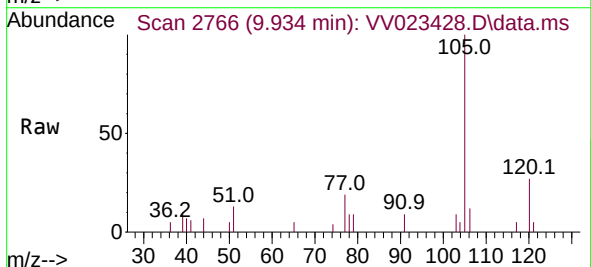
Instrument :
MSVOA_V
ClientSampleId :

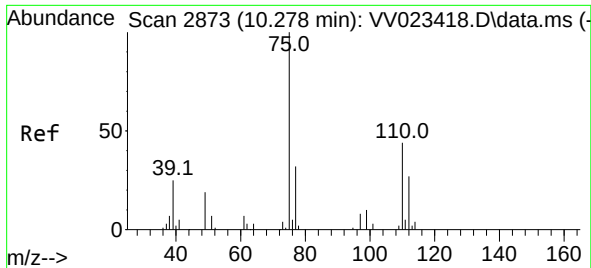
Tgt Ion:112 Resp: 21079
Ion Ratio Lower Upper
112 100
114 33.7 22.0 40.8
77 51.8 44.4 66.6



#60
Isopropylbenzene
Concen: 0.154 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.000 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

Tgt Ion:105 Resp: 4465
Ion Ratio Lower Upper
105 100
120 27.8 21.7 32.5
77 17.1 12.6 19.0

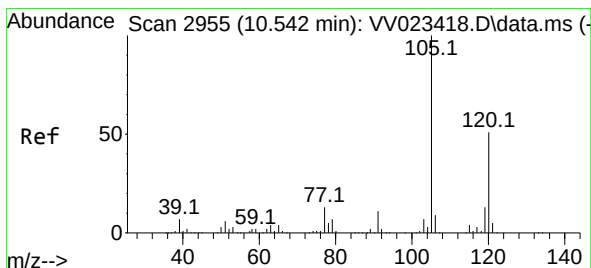
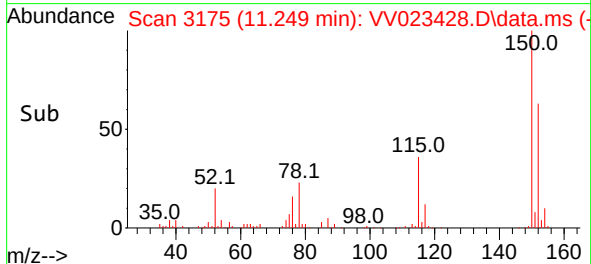
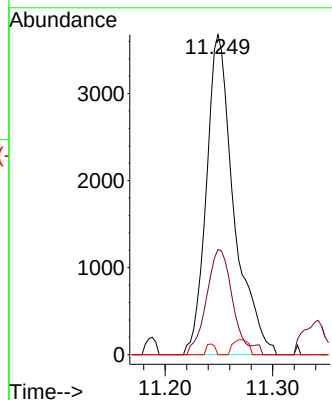
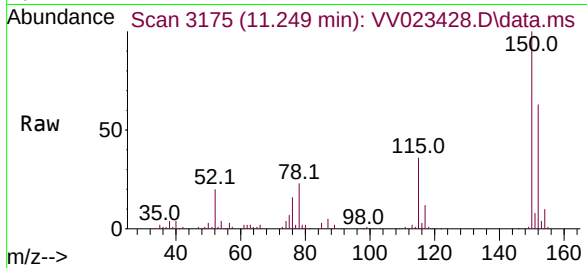




#61
1,2,3-Trichloropropane
Concen: 1.954 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.971 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

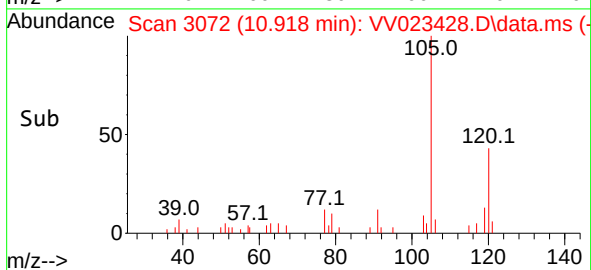
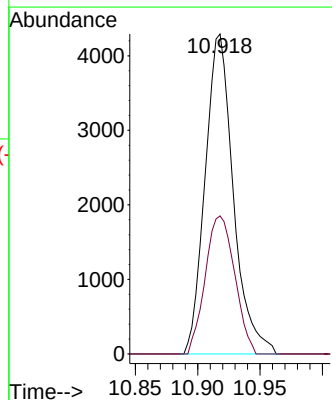
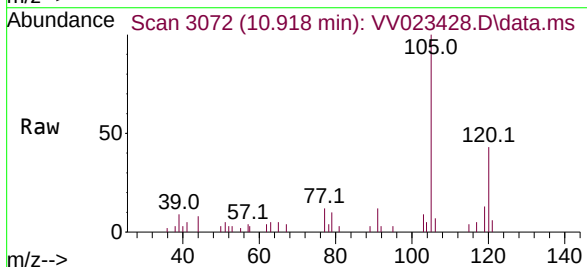
Instrument :
MSVOA_V
ClientSampleId :

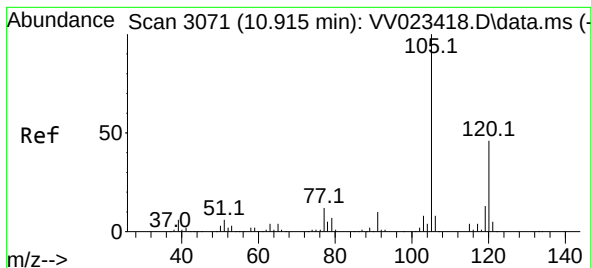
Tgt Ion: 75 Resp: 6541
Ion Ratio Lower Upper
75 100
77 31.5 26.6 39.8
110 1.0 31.8 47.6#



#62
1,3,5-Trimethylbenzene
Concen: 0.282 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.376 min
Lab File: VV023428.D
Acq: 12 Nov 2021 08:44

Tgt Ion: 105 Resp: 6760
Ion Ratio Lower Upper
105 100
120 44.9 39.7 59.5





#63

1,2,4-Trimethylbenzene

Concen: 0.283 ug/L

RT: 10.918 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

Instrument :

MSVOA_V

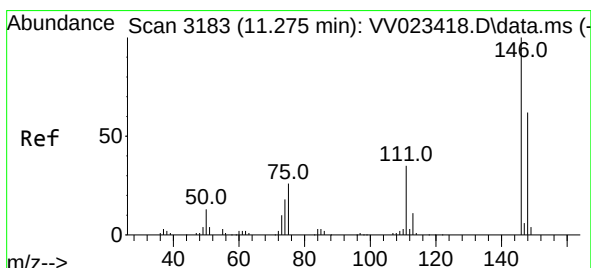
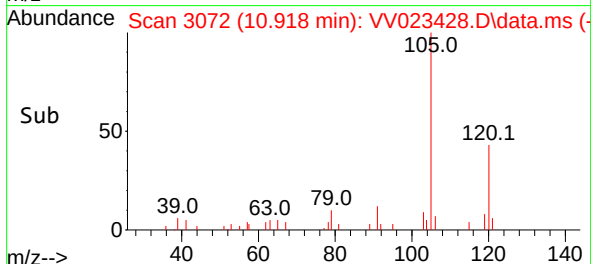
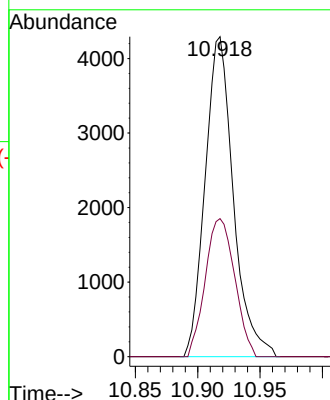
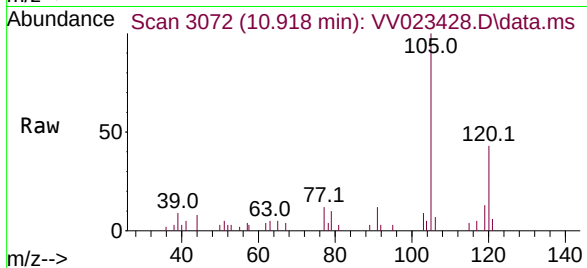
ClientSampleId :

Tgt Ion:105 Resp: 6760

Ion Ratio Lower Upper

105 100

120 44.9 37.4 56.2



#65

1,4-Dichlorobenzene

Concen: 0.233 ug/L

RT: 11.275 min Scan# 3183

Delta R.T. 0.000 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

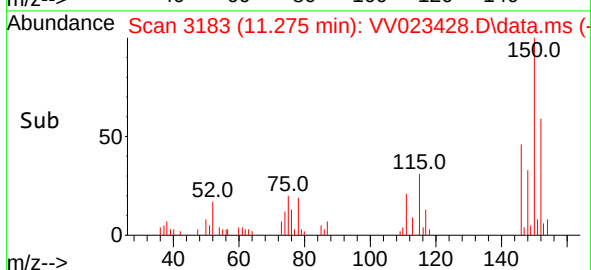
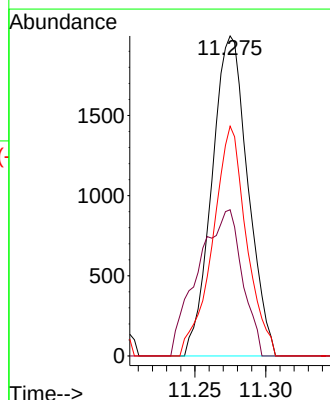
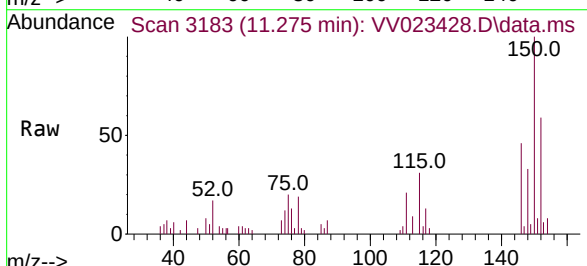
Tgt Ion:146 Resp: 3516

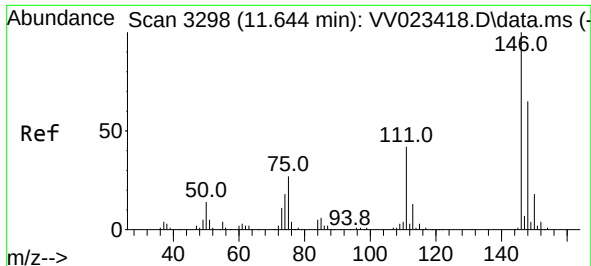
Ion Ratio Lower Upper

146 100

111 45.7 26.2 48.8

148 71.8 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 0.500 ug/L

RT: 11.645 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

Instrument :

MSVOA_V

ClientSampleId :

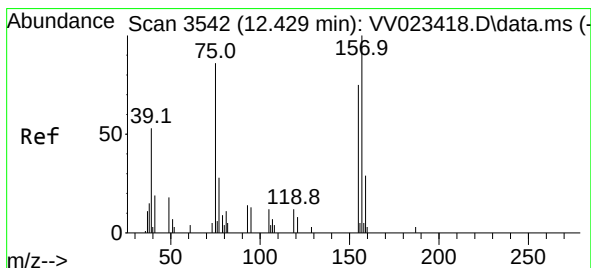
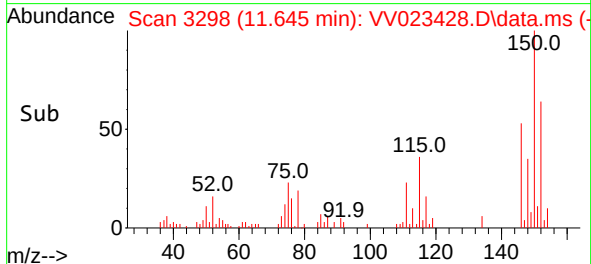
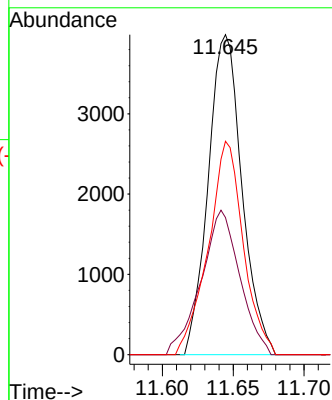
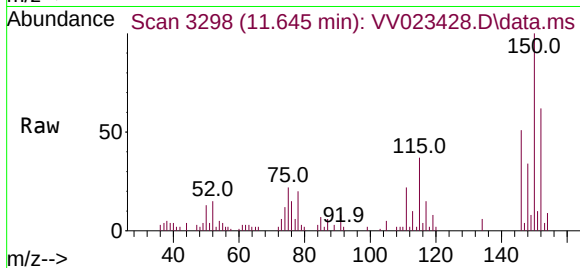
Tgt Ion:146 Resp: 6610

Ion Ratio Lower Upper

146 100

111 42.8 31.6 47.4

148 66.7 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 0.094 ug/L

RT: 12.252 min Scan# 3487

Delta R.T. -0.177 min

Lab File: VV023428.D

Acq: 12 Nov 2021 08:44

Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

155 0.0 67.7 101.5#

157 0.0 87.9 131.9#

