

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111621\
 Data File : VW023531.D
 Acq On : 16 Nov 2021 14:00
 Operator : SY/MD
 Sample : M4617-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG219

Quant Time: Nov 17 00:52:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 00:48:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	119512	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	115526	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	53064	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	36276	4.845	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.000%
7) Chloroethane-d5	1.568	69	30067	4.927	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.600%
11) 1,1-Dichloroethene-d2	2.111	63	50769	3.622	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.400%
20) 2-Butanone-d5	3.892	46	73918	57.307	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.620%
24) Chloroform-d	4.349	84	72798	4.562	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	5.037	65	35525	4.951	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.053	84	142295	4.800	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	6.072	67	43028	4.931	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.317	98	127949	4.606	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
43) trans-1,3-Dichloroprop...	7.625	79	16001	4.836	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.800%
46) 2-Hexanone-d5	8.088	63	47032	38.635	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.280%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	25805	4.112	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	50361	5.700	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	31140	2.672	ug/L	99
6) Bromomethane	1.529	94	264	0.042	ug/L	81
9) Trichlorofluoromethane	1.754	101	7616	0.512	ug/L	99
12) 1,1-Dichloroethene	2.111	96	634	0.089	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	13666	0.871	ug/L	97
19) 1,1-Dichloroethane	3.195	63	8383	0.567	ug/L	97
25) Chloroform	4.378	83	6410	0.407	ug/L	92
34) Trichloroethene	5.918	95	12965	1.510	ug/L	96
35) Methylcyclohexane	6.069	83	10906	0.805	ug/L #	18
37) 1,2-Dichloropropane	6.075	63	5181	0.687	ug/L #	83
42) Toluene	7.397	91	2405	0.070	ug/L	95
47) Tetrachloroethene	7.982	164	3802	0.511	ug/L	86
48) 2-Hexanone	8.149	43	8116	3.313	ug/L #	83
49) Dibromochloromethane	7.979	129	3118	0.454	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6032	1.711	ug/L #	65
65) 1,4-Dichlorobenzene	11.271	146	882	0.056	ug/L #	81
68) 1,2-Dibromo-3-chloropr...	12.249	75	90	0.120	ug/L #	1
70) 1,2,4-trichlorobenzene	13.271	180	585	0.060	ug/L #	86
71) Naphthalene	13.516	128	1403	0.098	ug/L #	90

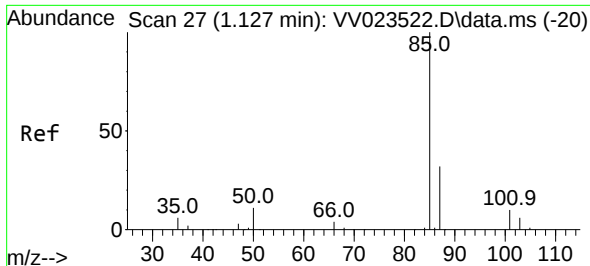
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 17 00:48:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	13.754	180	698	0.082	ug/L	95

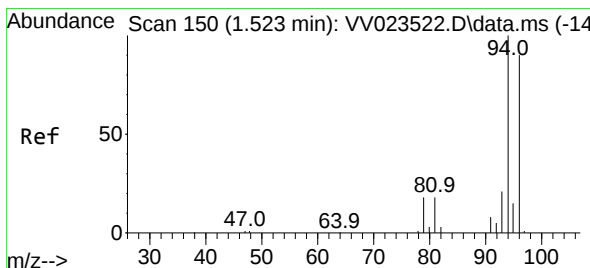
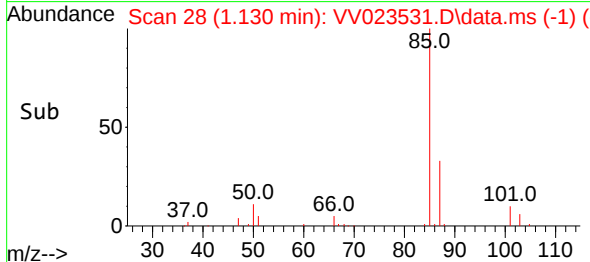
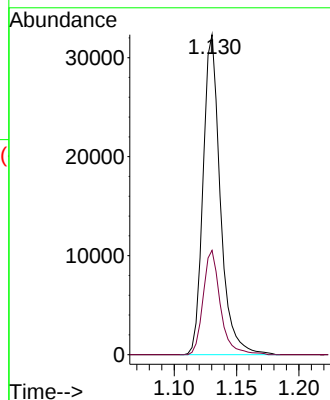
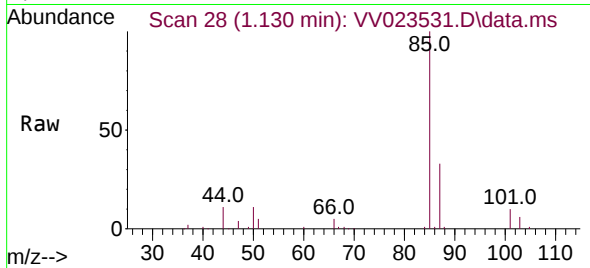
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 2.672 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV023531.D
 Acq: 16 Nov 2021 14:00

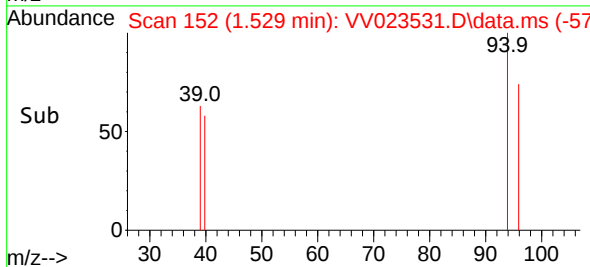
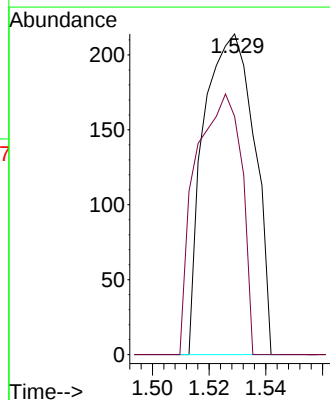
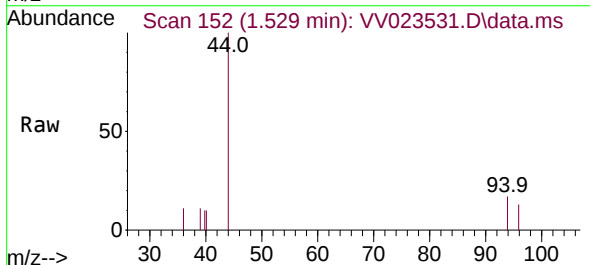
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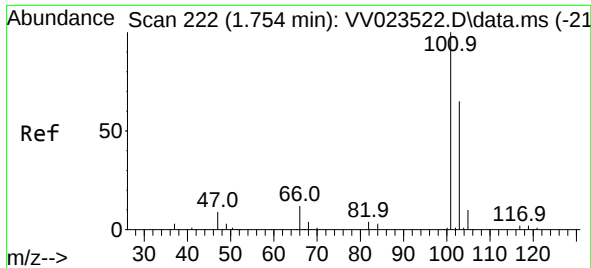
Tgt Ion: 85 Resp: 31140
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.6 39.8



#6
 Bromomethane
 Concen: 0.042 ug/L
 RT: 1.529 min Scan# 152
 Delta R.T. 0.006 min
 Lab File: VV023531.D
 Acq: 16 Nov 2021 14:00

Tgt Ion: 94 Resp: 264
 Ion Ratio Lower Upper
 94 100
 96 74.3 65.0 120.8

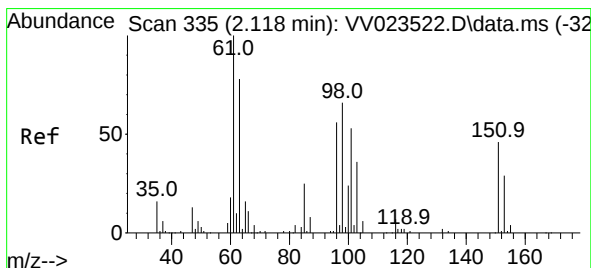
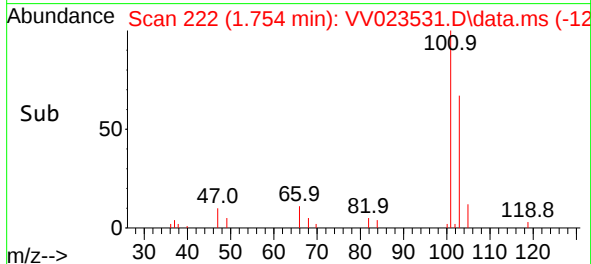
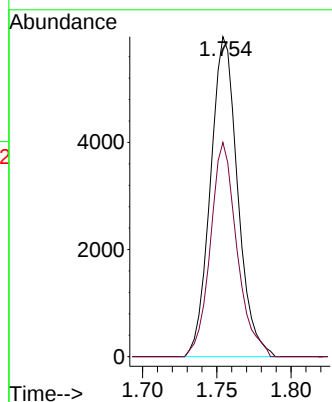
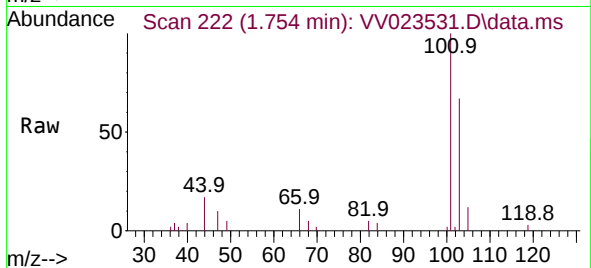




#9
Trichlorofluoromethane
Concen: 0.512 ug/L
RT: 1.754 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV023531.D
Acq: 16 Nov 2021 14:00

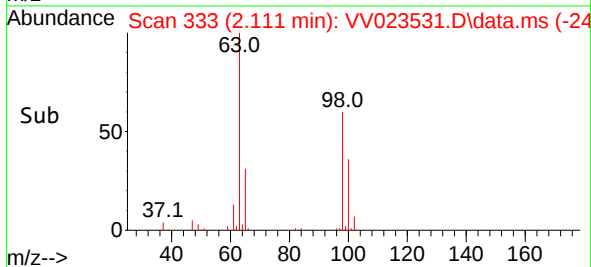
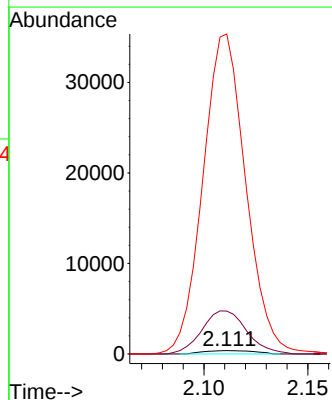
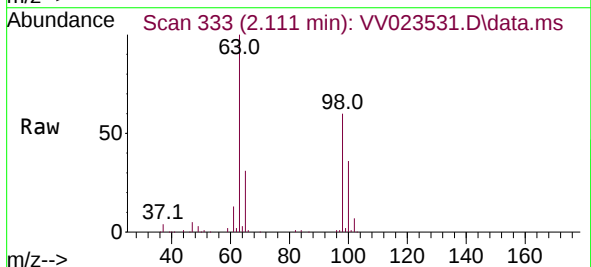
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ClientSampleId :
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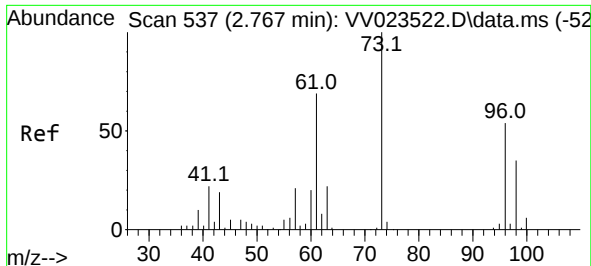
Tgt Ion:101 Resp: 7616
Ion Ratio Lower Upper
101 100
103 65.4 52.6 79.0



#12
1,1-Dichloroethene
Concen: 0.089 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.007 min
Lab File: VV023531.D
Acq: 16 Nov 2021 14:00

Tgt Ion: 96 Resp: 634
Ion Ratio Lower Upper
96 100
61 1306.3 121.5 225.7#
63 9738.8 99.6 185.0#

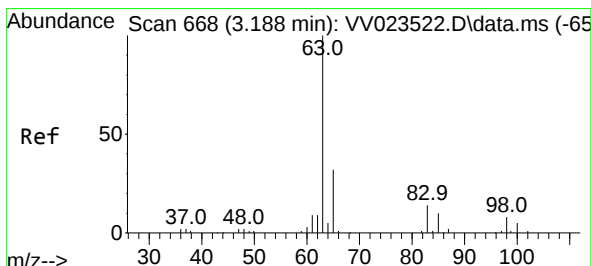
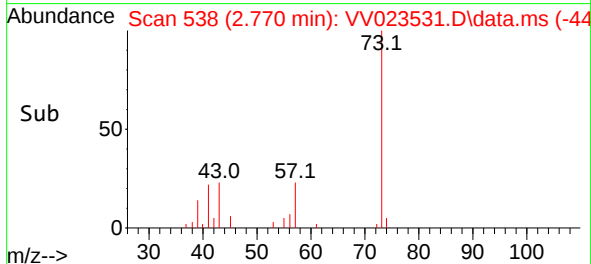
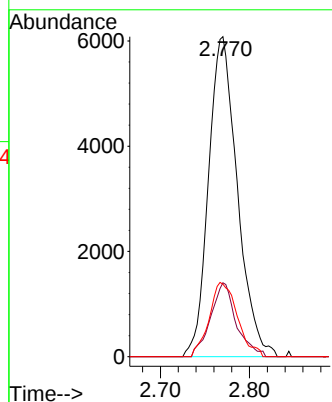
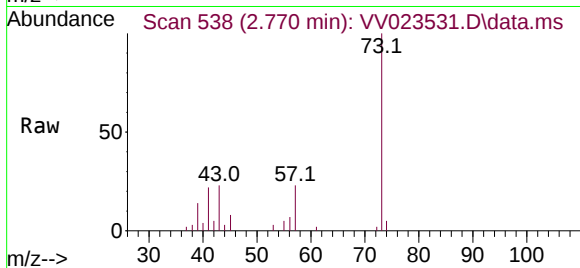




#17
Methyl tert-butyl Ether
Concen: 0.871 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023531.D
Acq: 16 Nov 2021 14:00

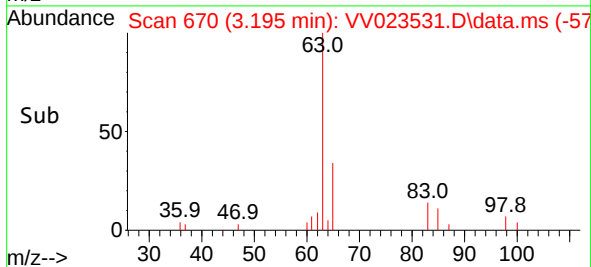
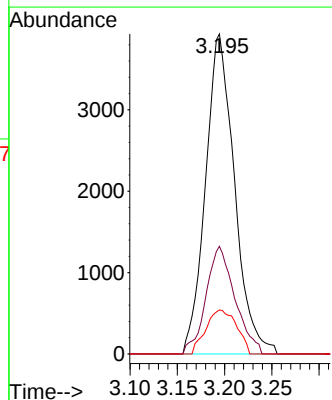
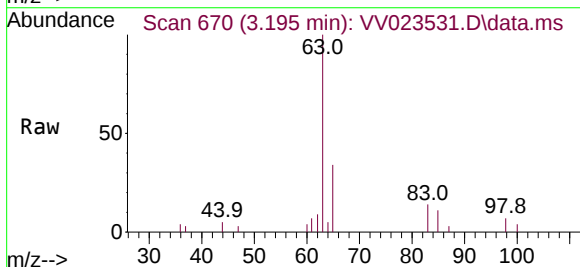
Instrument :
MSVOA_V
ClientSampleId :
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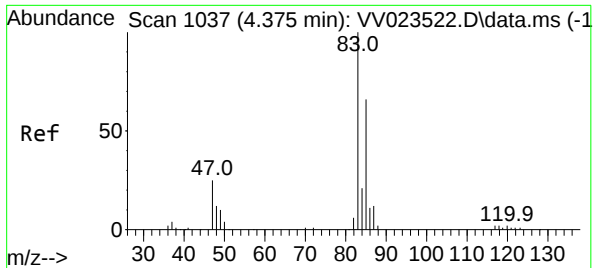
Tgt Ion: 73 Resp: 13666
Ion Ratio Lower Upper
73 100
43 20.5 17.4 26.0
57 22.6 16.5 24.7



#19
1,1-Dichloroethane
Concen: 0.567 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.006 min
Lab File: VV023531.D
Acq: 16 Nov 2021 14:00

Tgt Ion: 63 Resp: 8383
Ion Ratio Lower Upper
63 100
65 33.7 22.6 42.0
83 13.8 11.1 20.7

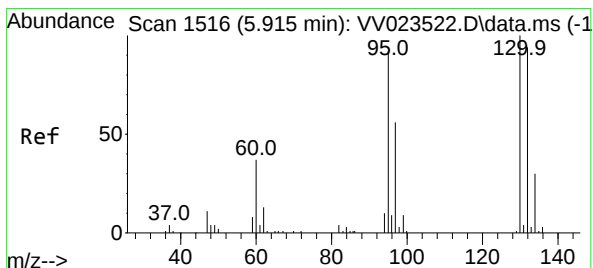
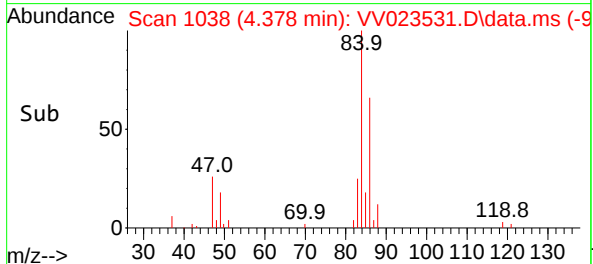
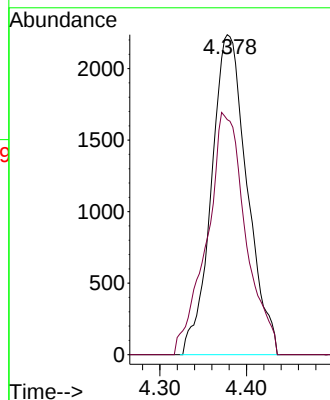
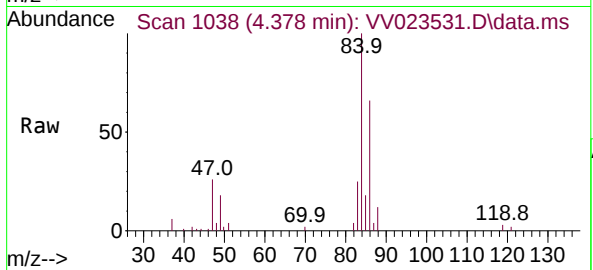




#25
Chloroform
Concen: 0.407 ug/L
RT: 4.378 min Scan# 1037
Delta R.T. 0.003 min
Lab File: VV023531.D
Acq: 16 Nov 2021 14:00

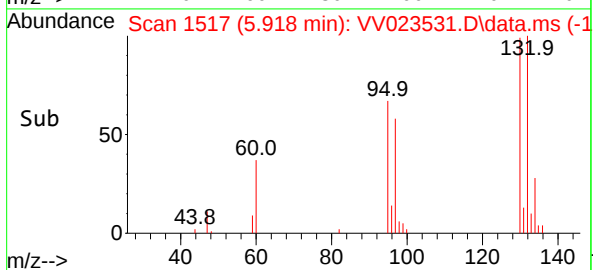
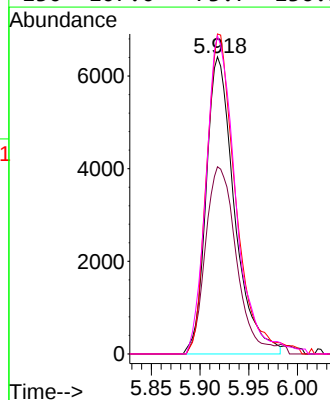
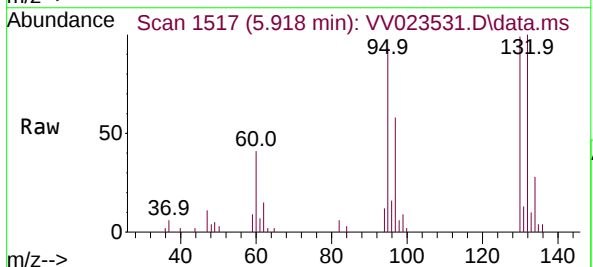
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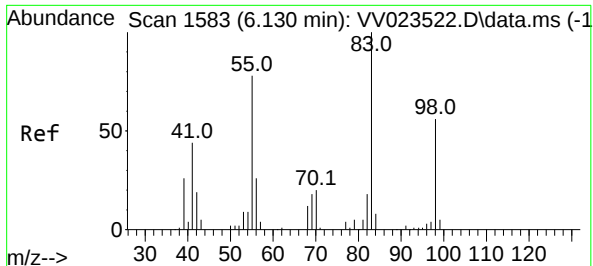
Tgt Ion: 83 Resp: 6410
Ion Ratio Lower Upper
83 100
85 73.4 46.8 86.8



#34
Trichloroethene
Concen: 1.510 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.003 min
Lab File: VV023531.D
Acq: 16 Nov 2021 14:00

Tgt Ion: 95 Resp: 12965
Ion Ratio Lower Upper
95 100
97 63.0 45.0 83.6
132 107.7 69.7 129.4
130 107.0 73.7 136.9





#35

Methylcyclohexane

Concen: 0.805 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.061 min

Lab File: VV023531.D

Acq: 16 Nov 2021 14:00

Instrument :

MSVOA_V

ClientSampleId :

BG219

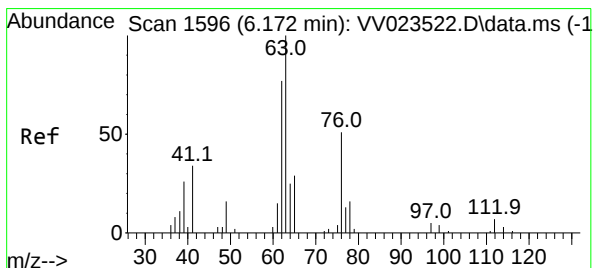
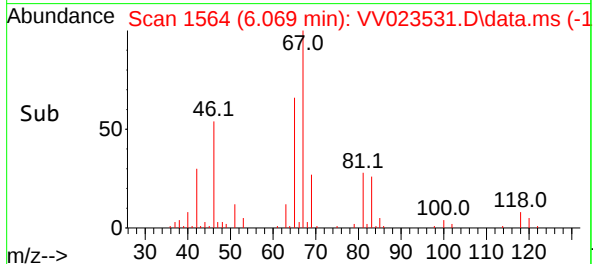
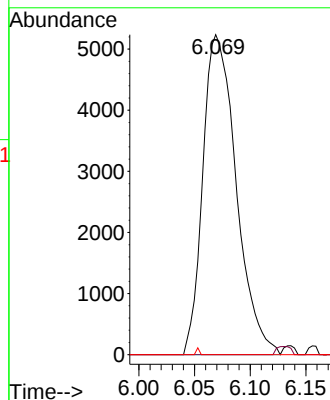
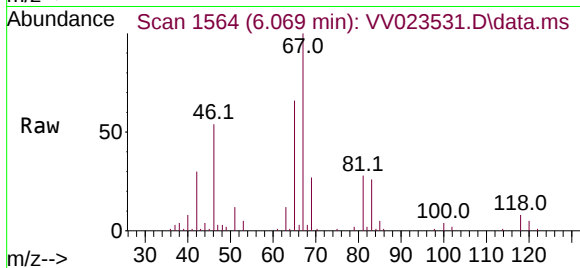
Tgt Ion: 83 Resp: 10906

Ion Ratio Lower Upper

83 100

55 1.1 62.8 94.2#

98 0.0 37.9 56.9#



#37

1,2-Dichloropropane

Concen: 0.687 ug/L

RT: 6.075 min Scan# 1566

Delta R.T. -0.097 min

Lab File: VV023531.D

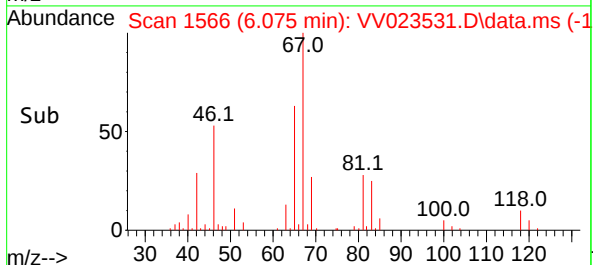
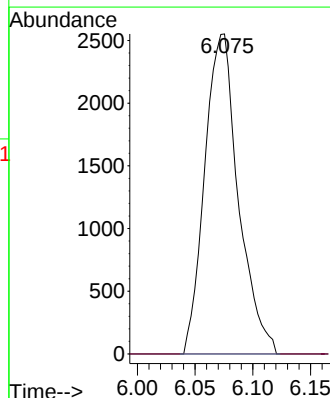
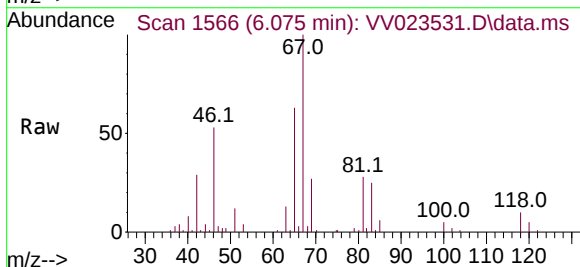
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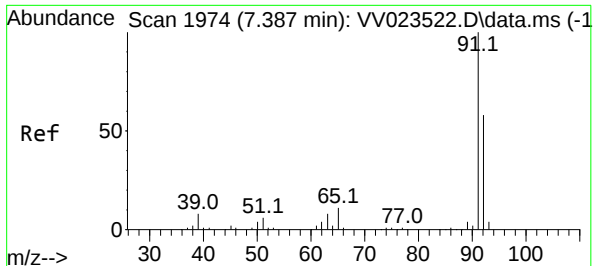
Tgt Ion: 63 Resp: 5181

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#

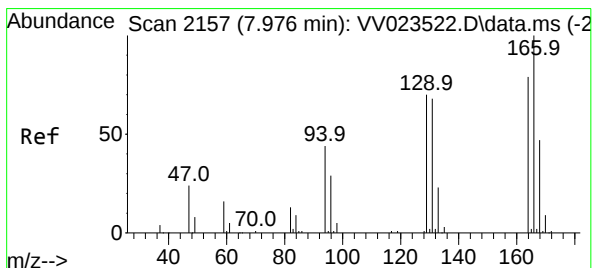
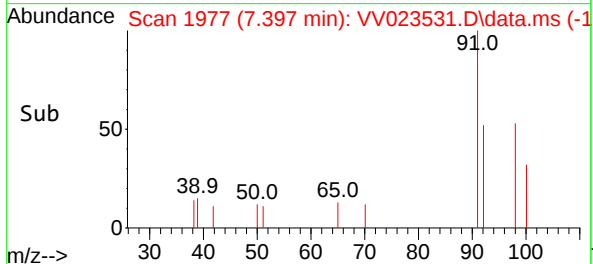
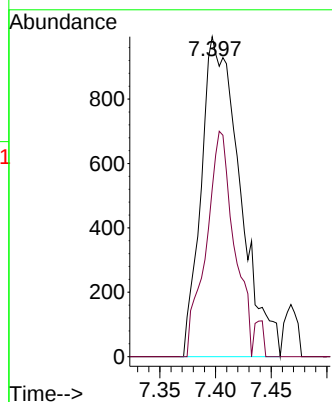
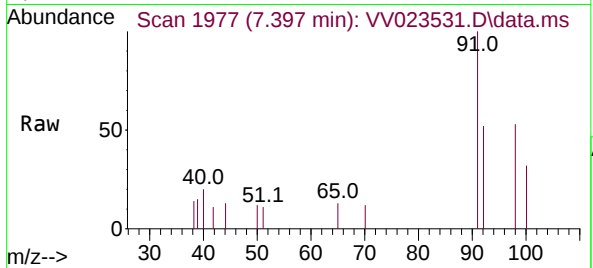




#42
Toluene
Concen: 0.070 ug/L
RT: 7.397 min Scan# 1974
Delta R.T. 0.010 min
Lab File: VV023531.D
Acq: 16 Nov 2021 14:00

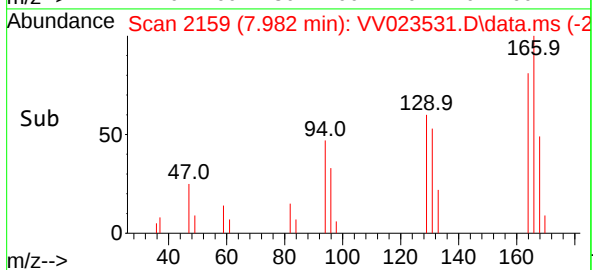
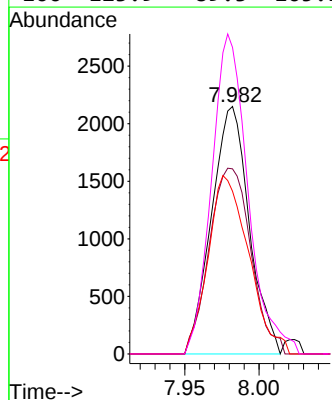
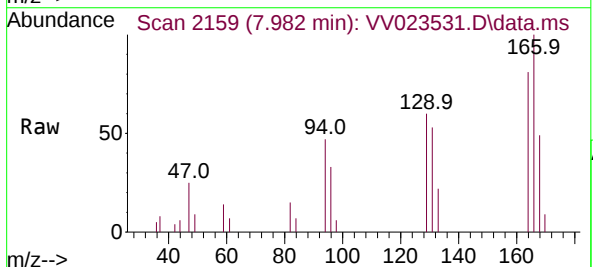
Instrument :
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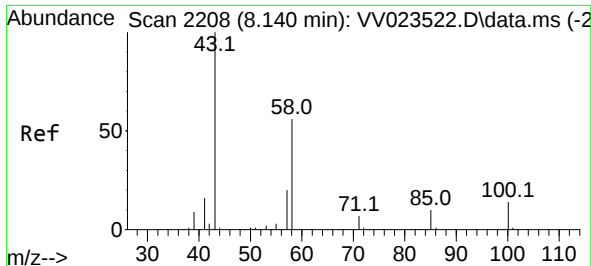
Tgt Ion: 91 Resp: 2405
Ion Ratio Lower Upper
91 100
92 52.4 39.3 72.9



#47
Tetrachloroethene
Concen: 0.511 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.006 min
Lab File: VV023531.D
Acq: 16 Nov 2021 14:00

Tgt Ion: 164 Resp: 3802
Ion Ratio Lower Upper
164 100
129 74.8 64.0 119.0
131 65.8 63.4 117.8
166 123.9 89.3 165.9

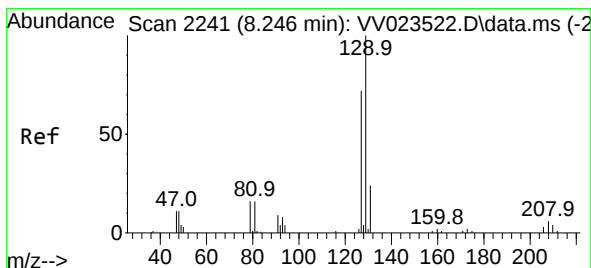
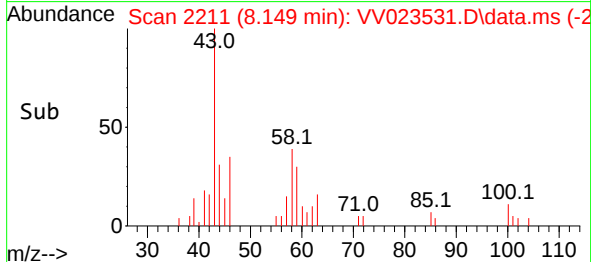
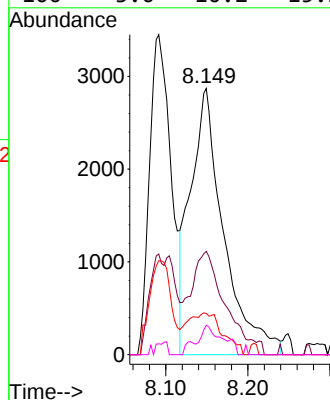
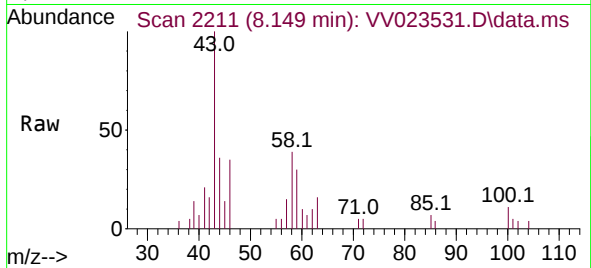




#48
2-Hexanone
Concen: 3.313 ug/L
RT: 8.149 min Scan# 2116
Delta R.T. 0.010 min
Lab File: VV023531.D
Acq: 16 Nov 2021 14:00

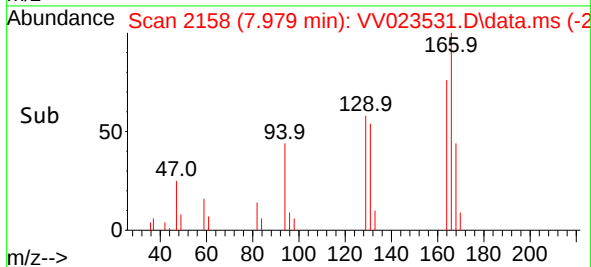
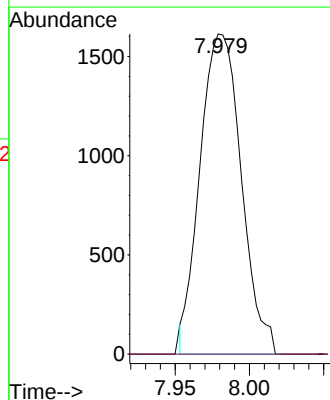
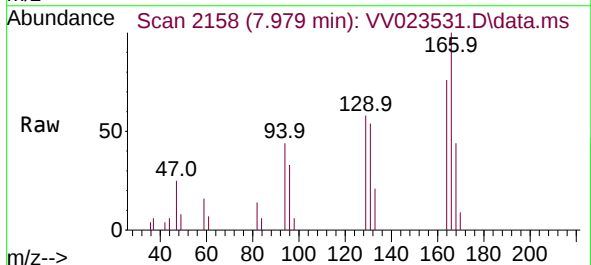
Instrument :
MSVOA_V
ClientSampleId :
BG219

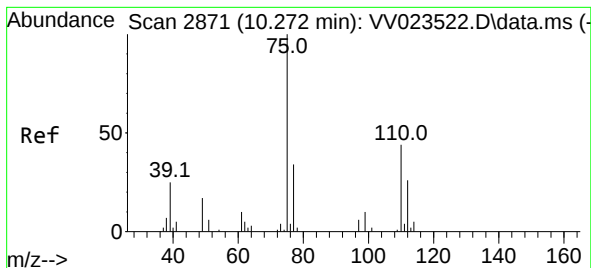
Tgt Ion: 43	Resp: 8116
Ion Ratio	Lower Upper
43	100
58	39.9 43.7 65.5#
57	16.7 14.1 21.1
100	3.0 10.2 15.2#



#49
Dibromochloromethane
Concen: 0.454 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.267 min
Lab File: VV023531.D
Acq: 16 Nov 2021 14:00

Tgt Ion: 129	Resp: 3118
Ion Ratio	Lower Upper
129	100
127	0.0 54.7 101.7#





#61

1,2,3-Trichloropropane

Concen: 1.711 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV023531.D

Acq: 16 Nov 2021 14:00

Instrument :

MSVOA_V

ClientSampleId :

BG219

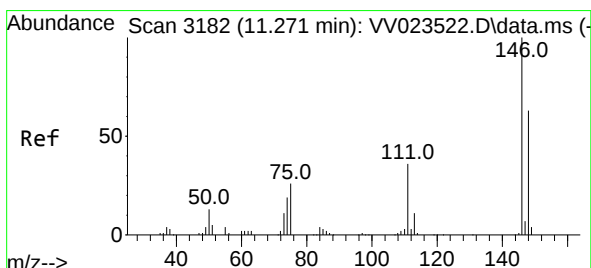
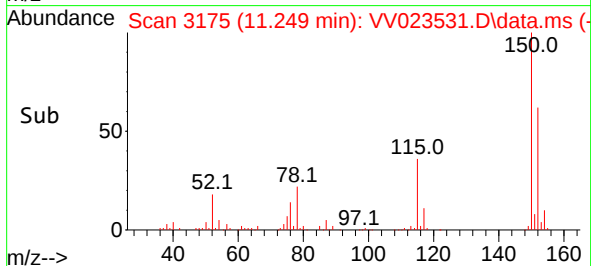
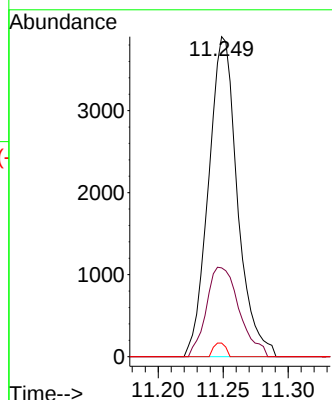
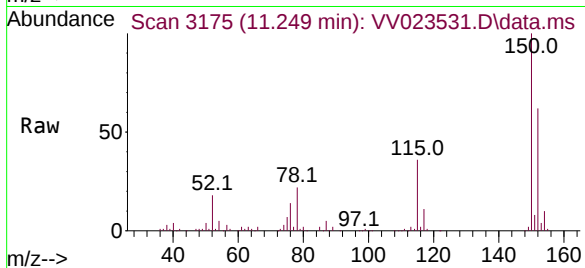
Tgt Ion: 75 Resp: 6032

Ion Ratio Lower Upper

75 100

77 31.8 26.6 39.8

110 1.8 31.8 47.6#



#65

1,4-Dichlorobenzene

Concen: 0.056 ug/L

RT: 11.271 min Scan# 3182

Delta R.T. -0.000 min

Lab File: VV023531.D

Acq: 16 Nov 2021 14:00

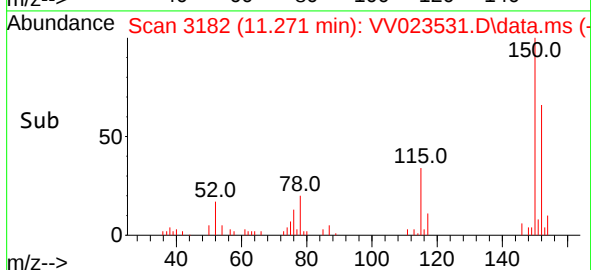
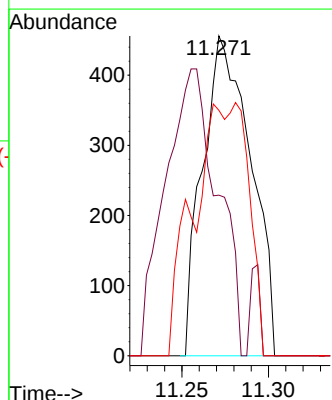
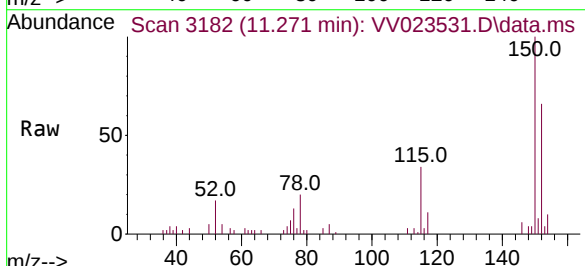
Tgt Ion:146 Resp: 882

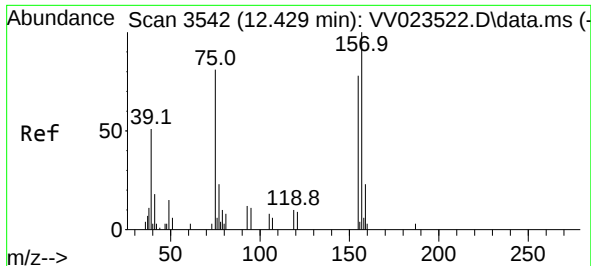
Ion Ratio Lower Upper

146 100

111 50.2 26.2 48.8#

148 76.8 44.4 82.5





#68

1,2-Dibromo-3-chloropropane

Concen: 0.120 ug/L

RT: 12.249 min Scan# 34

Delta R.T. -0.180 min

Lab File: VV023531.D

Acq: 16 Nov 2021 14:00

Instrument :

MSVOA_V

ClientSampleId :

BG219

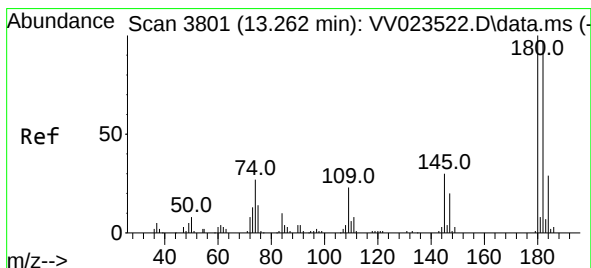
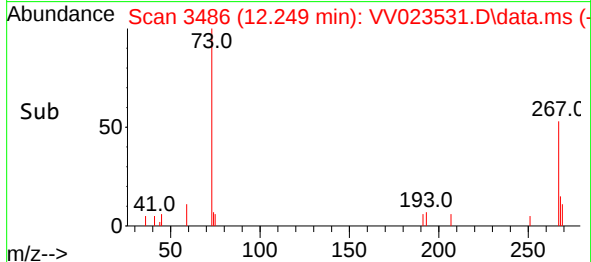
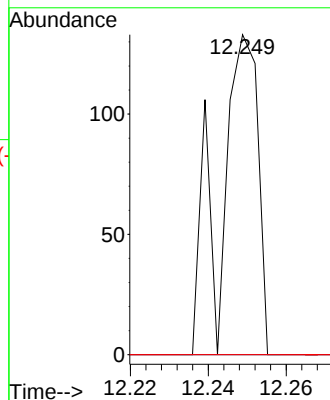
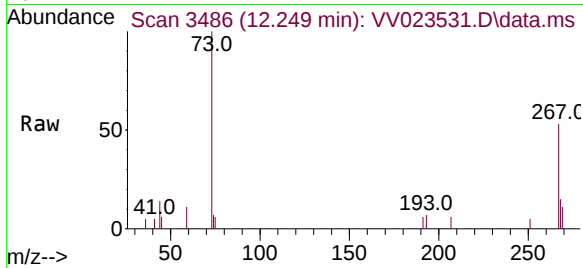
Tgt Ion: 75 Resp: 90

Ion Ratio Lower Upper

75 100

155 0.0 67.7 101.5#

157 0.0 87.9 131.9#



#70

1,2,4-trichlorobenzene

Concen: 0.060 ug/L

RT: 13.271 min Scan# 3804

Delta R.T. 0.010 min

Lab File: VV023531.D

Acq: 16 Nov 2021 14:00

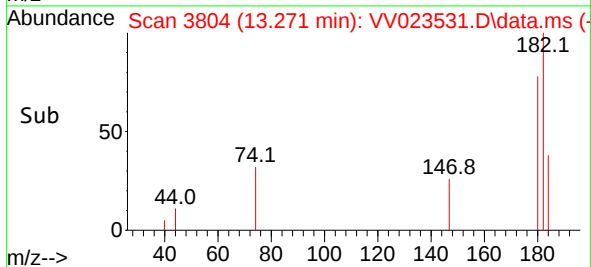
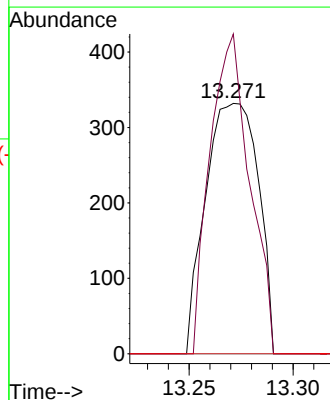
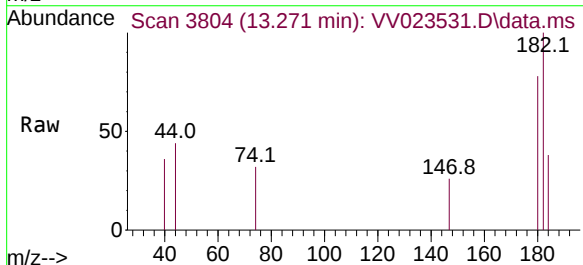
Tgt Ion:180 Resp: 585

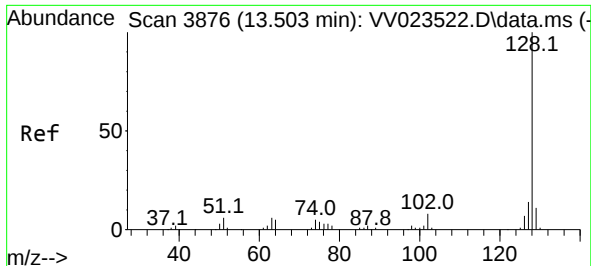
Ion Ratio Lower Upper

180 100

182 96.4 76.9 115.3

145 0.0 24.4 36.6#

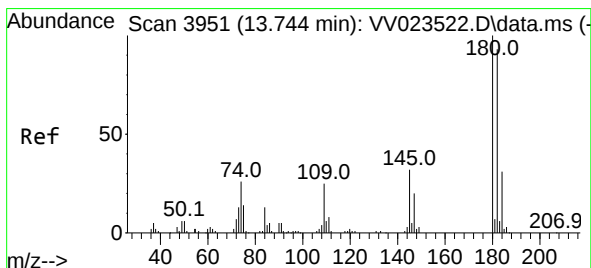
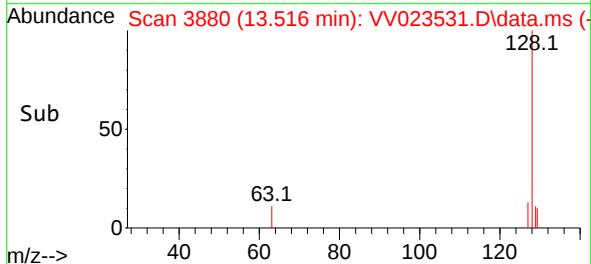
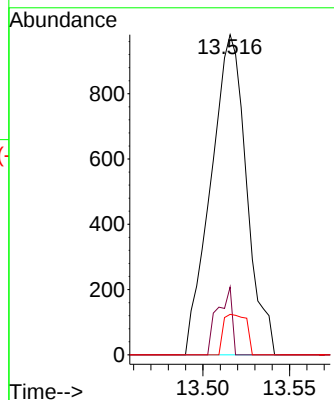
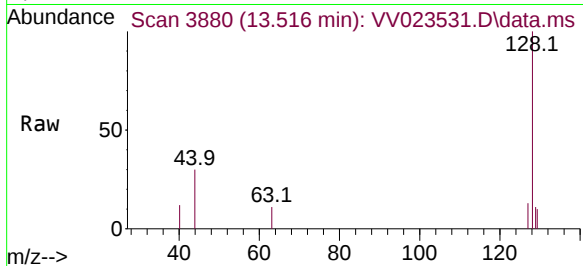




#71
Naphthalene
Concen: 0.098 ug/L
RT: 13.516 min Scan# 3880
Delta R.T. 0.013 min
Lab File: VV023531.D
Acq: 16 Nov 2021 14:00

Instrument :
MSVOA_V
ClientSampleId :
BG219

Tgt Ion:128 Resp: 1403
Ion Ratio Lower Upper
128 100
129 8.6 8.6 13.0#
127 8.1 10.5 15.7#



#72
1,2,3-Trichlorobenzene
Concen: 0.082 ug/L
RT: 13.754 min Scan# 3954
Delta R.T. 0.010 min
Lab File: VV023531.D
Acq: 16 Nov 2021 14:00

Tgt Ion:180 Resp: 698
Ion Ratio Lower Upper
180 100
182 100.7 76.7 115.1
145 35.4 25.7 38.5

