

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111521\
 Data File : VW023506.D
 Acq On : 16 Nov 2021 00:43
 Operator : SY/MD
 Sample : M4617-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG220

Quant Time: Nov 16 05:17:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 02:06:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	124746	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	125048	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56059	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	39031	4.994	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	99.800%	
7) Chloroethane-d5	1.571	69	32478	5.099	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	102.000%	
11) 1,1-Dichloroethene-d2	2.111	63	53696	3.670	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	73.400%	
20) 2-Butanone-d5	3.896	46	70086	52.056	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	104.120%	
24) Chloroform-d	4.352	84	76250	4.578	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	91.600%	
26) 1,2-Dichloroethane-d4	5.034	65	36607	4.888	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	97.800%	
32) Benzene-d6	5.053	84	143445	4.471	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	89.400%	
36) 1,2-Dichloropropane-d6	6.072	67	44791	4.742	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	94.800%	
41) Toluene-d8	7.317	98	127087	4.227	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	84.600%	
43) trans-1,3-Dichloroprop...	7.625	79	15116	4.221	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	84.400%	
46) 2-Hexanone-d5	8.091	63	42751	32.444	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	64.880%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	25436	3.745	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	74.800%	
66) 1,2-Dichlorobenzene-d4	11.625	152	48303	5.175	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	103.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	2822	0.232	ug/L	94
8) Chloroethane	1.310	64	614	0.103	ug/L #	1
9) Trichlorofluoromethane	1.754	101	2398	0.155	ug/L	98
13) Acetone	2.195	43	1357	1.650	ug/L	63
17) Methyl tert-butyl Ether	2.770	73	11493	0.702	ug/L	97
19) 1,1-Dichloroethane	3.195	63	2066	0.134	ug/L	94
22) cis-1,2-Dichloroethene	3.915	96	686	0.078	ug/L #	81
25) Chloroform	4.381	83	9234	0.561	ug/L	95
27) 1,2-Dichloroethane	5.053	62	865	0.099	ug/L #	72
34) Trichloroethene	5.921	95	8188	0.881	ug/L	95
35) Methylcyclohexane	6.069	83	11204	0.764	ug/L #	22
37) 1,2-Dichloropropane	6.069	63	4950	0.607	ug/L #	83
39) cis-1,3-Dichloropropene	6.992	75	1399	0.119	ug/L #	78
42) Toluene	7.403	91	2253	0.060	ug/L	87
47) Tetrachloroethene	7.976	164	1518	0.188	ug/L	98
48) 2-Hexanone	8.146	43	10118	3.816	ug/L #	83
49) Dibromochloromethane	7.979	129	1274	0.172	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6109	1.640	ug/L #	66

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 16 02:06:43 2021
Response via : Initial Calibration

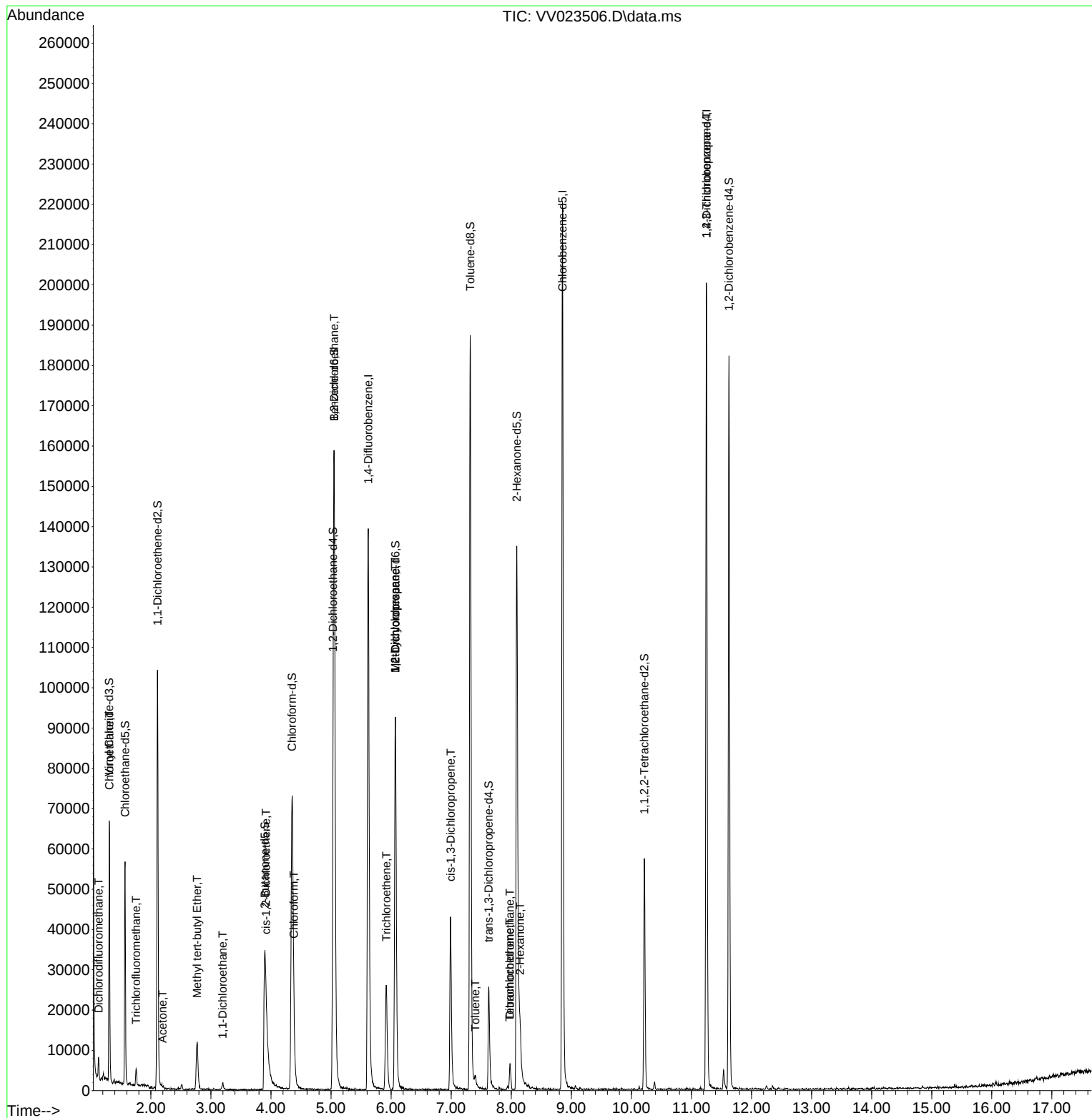
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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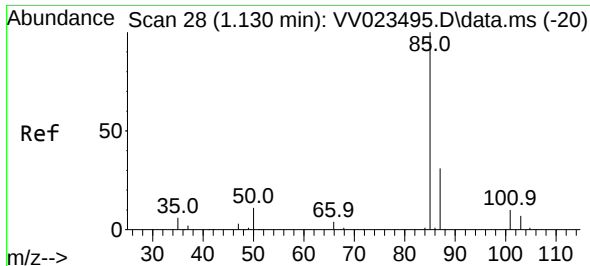
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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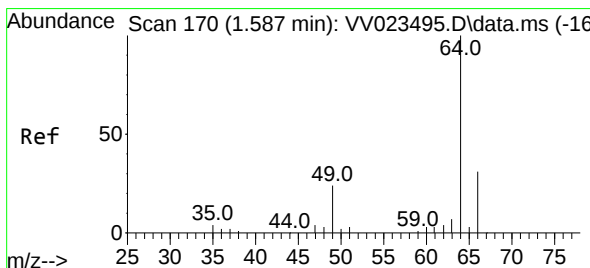
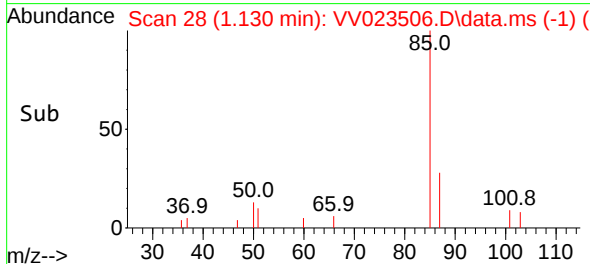
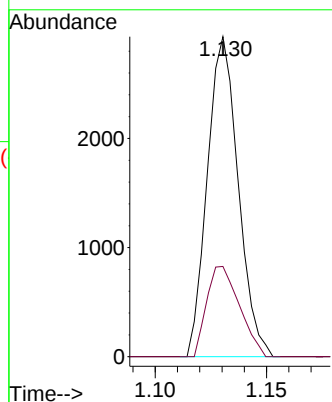
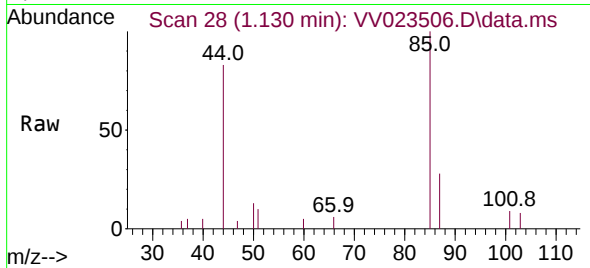




#2
 Dichlorodifluoromethane
 Concen: 0.232 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV023506.D
 Acq: 16 Nov 2021 00:43

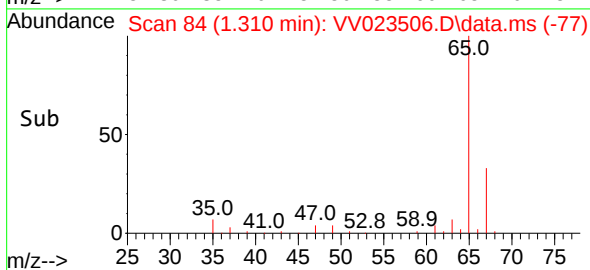
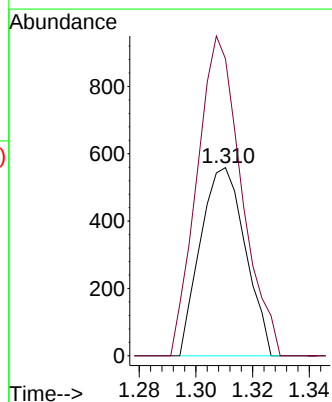
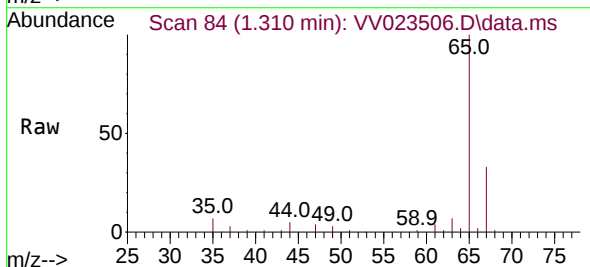
Instrument :
 MSVOA_V
 ClientSampleId :
 BG220

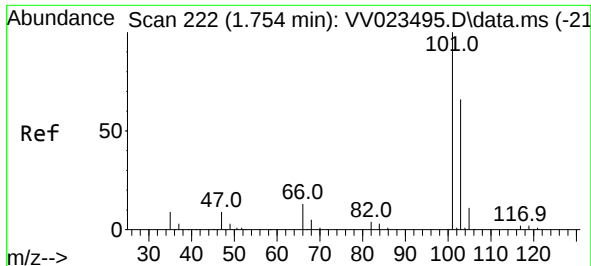
Tgt Ion: 85 Resp: 2822
 Ion Ratio Lower Upper
 85 100
 87 29.9 26.6 39.8



#8
 Chloroethane
 Concen: 0.103 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.277 min
 Lab File: VV023506.D
 Acq: 16 Nov 2021 00:43

Tgt Ion: 64 Resp: 614
 Ion Ratio Lower Upper
 64 100
 66 157.8 22.1 41.1#

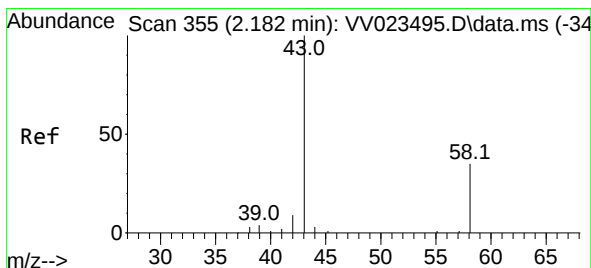
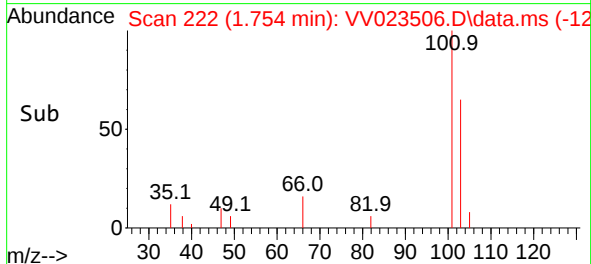
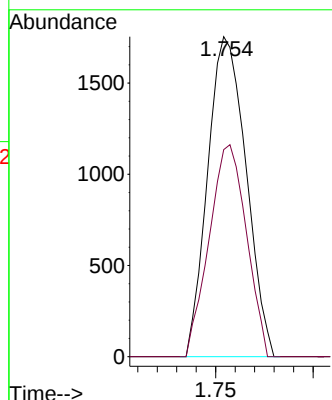
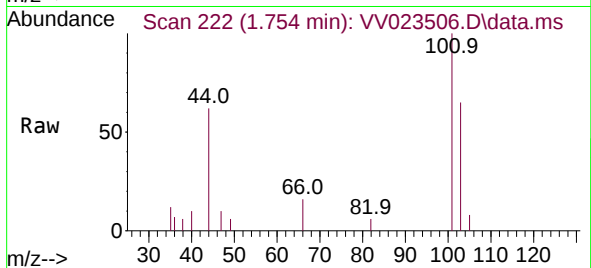




#9
 Trichlorofluoromethane
 Concen: 0.155 ug/L
 RT: 1.754 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV023506.D
 Acq: 16 Nov 2021 00:43

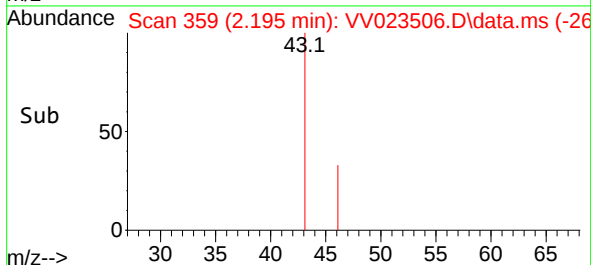
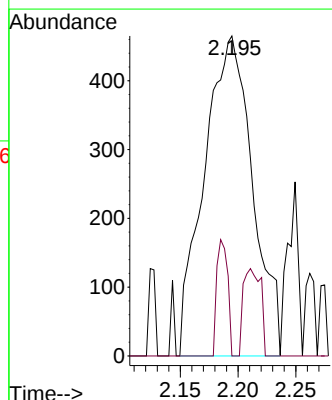
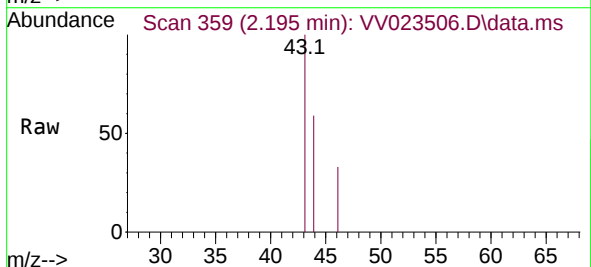
Instrument :
 MSVOA_V
 ClientSampleId :
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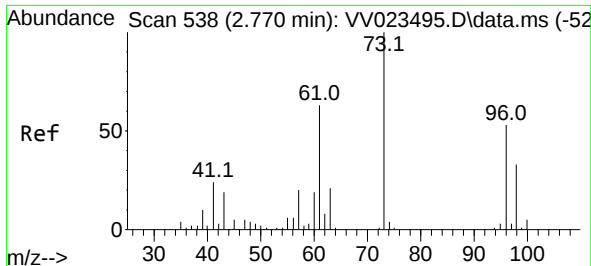
Tgt Ion:101 Resp: 2398
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.6 79.0



#13
 Acetone
 Concen: 1.650 ug/L
 RT: 2.195 min Scan# 359
 Delta R.T. 0.013 min
 Lab File: VV023506.D
 Acq: 16 Nov 2021 00:43

Tgt Ion: 43 Resp: 1357
 Ion Ratio Lower Upper
 43 100
 58 8.1 0.0 55.4

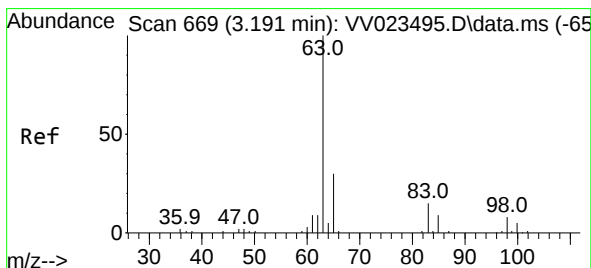
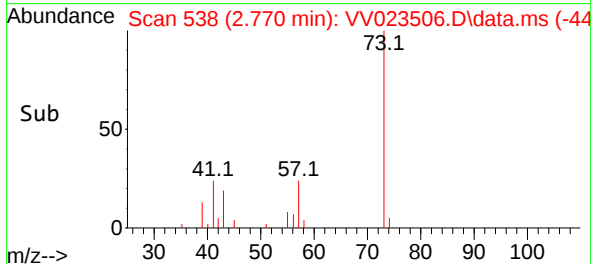
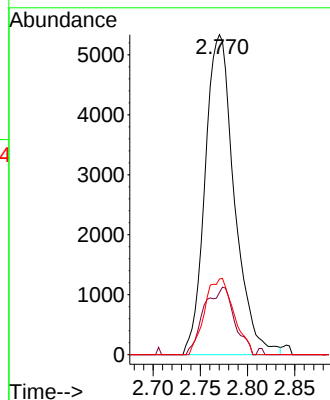
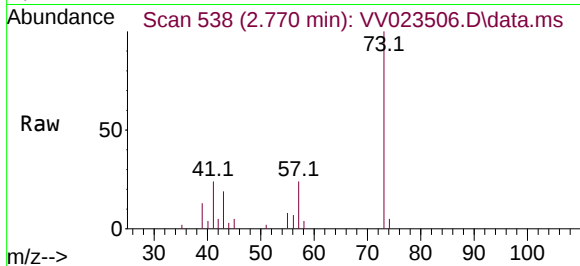




#17
Methyl tert-butyl Ether
Concen: 0.702 ug/L
RT: 2.770 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV023506.D
Acq: 16 Nov 2021 00:43

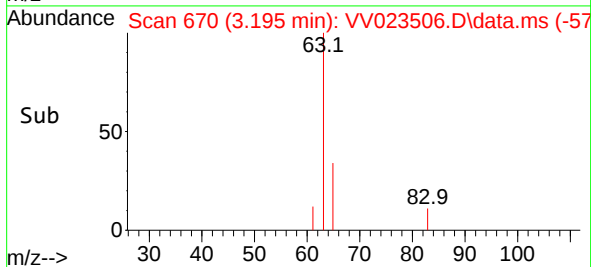
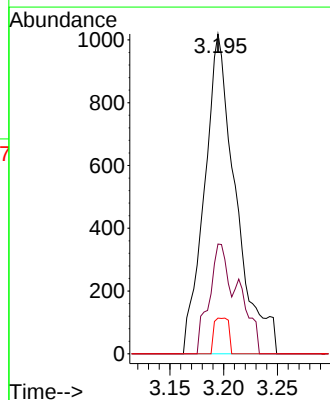
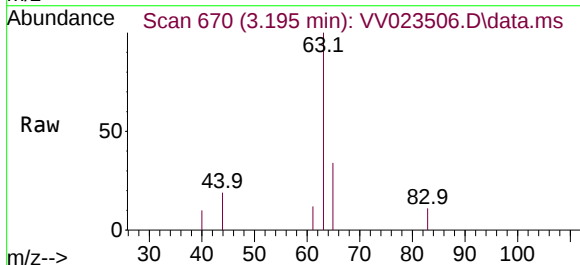
Instrument :
MSVOA_V
ClientSampleId :
BG220

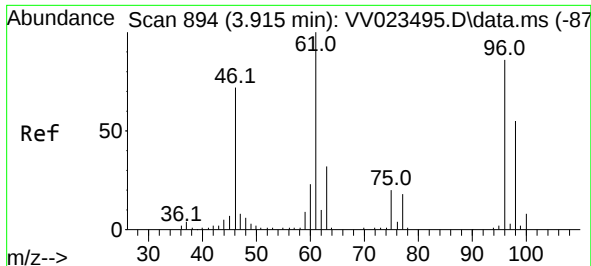
Tgt Ion: 73	Resp:	11493	
Ion	Ratio	Lower	Upper
73	100		
43	21.9	17.4	26.0
57	23.6	16.5	24.7



#19
1,1-Dichloroethane
Concen: 0.134 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.003 min
Lab File: VV023506.D
Acq: 16 Nov 2021 00:43

Tgt Ion: 63	Resp:	2066	
Ion	Ratio	Lower	Upper
63	100		
65	34.3	22.6	42.0
83	11.2	11.1	20.7

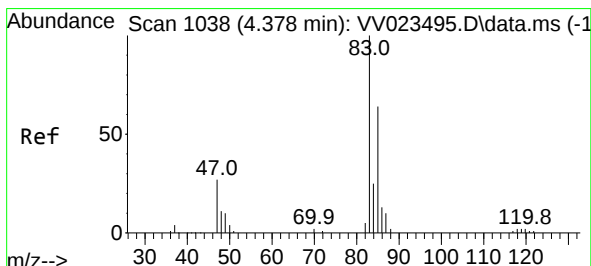
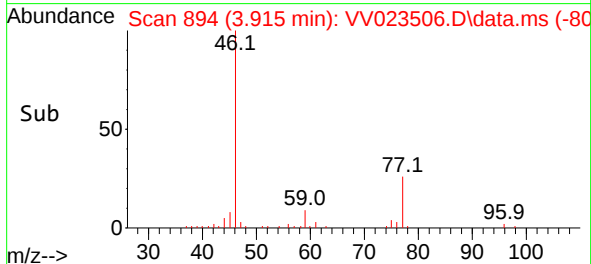
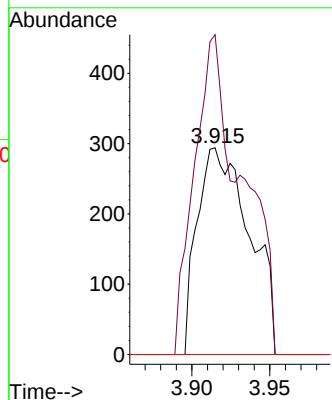
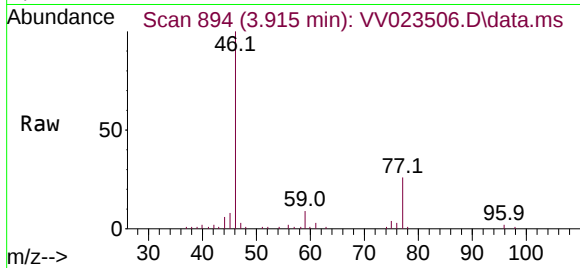




#22
 cis-1,2-Dichloroethene
 Concen: 0.078 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. -0.000 min
 Lab File: VV023506.D
 Acq: 16 Nov 2021 00:43

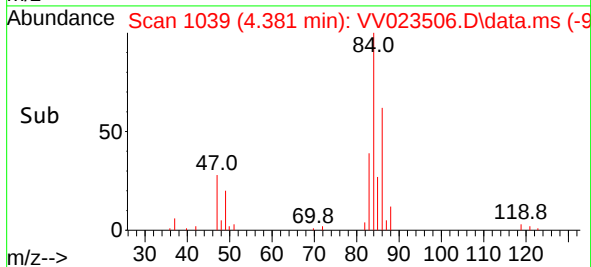
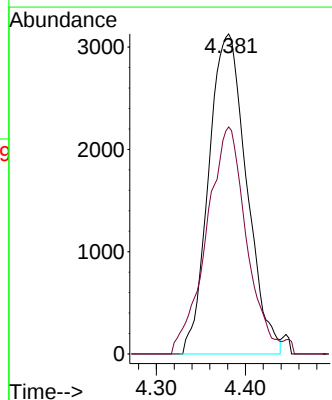
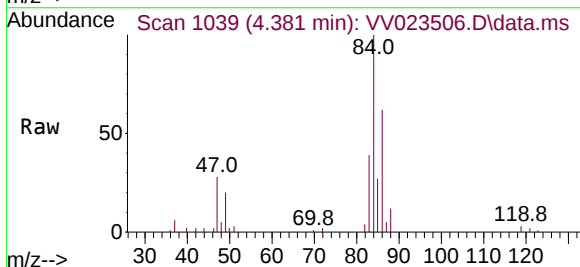
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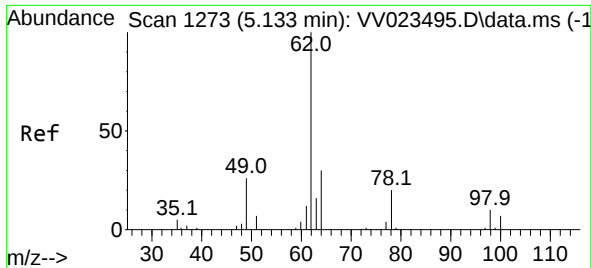
Tgt Ion: 96 Resp: 686
 Ion Ratio Lower Upper
 96 100
 61 154.8 92.3 171.3
 68 0.0 0.4 0.8#



#25
 Chloroform
 Concen: 0.561 ug/L
 RT: 4.381 min Scan# 1039
 Delta R.T. 0.003 min
 Lab File: VV023506.D
 Acq: 16 Nov 2021 00:43

Tgt Ion: 83 Resp: 9234
 Ion Ratio Lower Upper
 83 100
 85 70.9 46.8 86.8

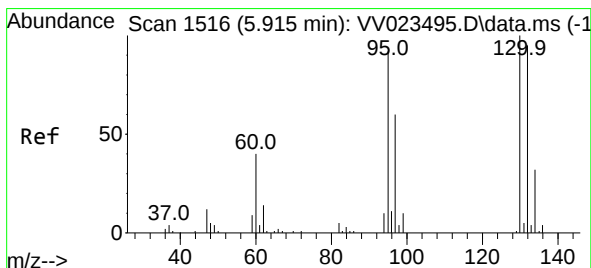
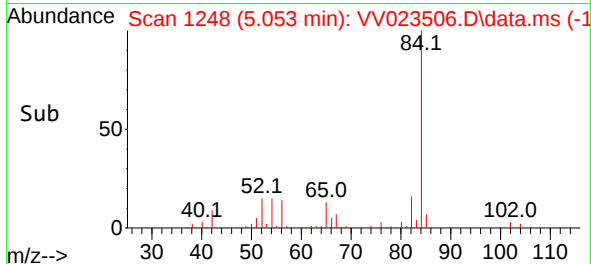
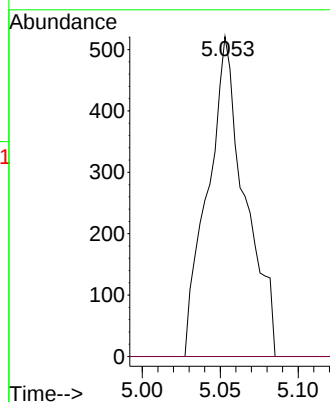
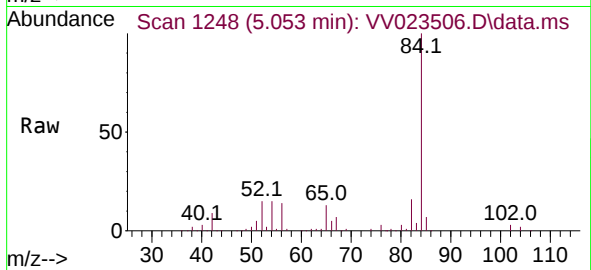




#27
1,2-Dichloroethane
Concen: 0.099 ug/L
RT: 5.053 min Scan# 11
Delta R.T. -0.080 min
Lab File: VV023506.D
Acq: 16 Nov 2021 00:43

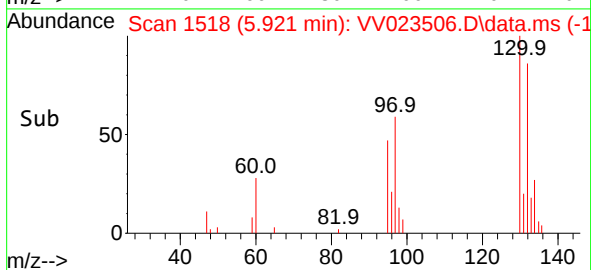
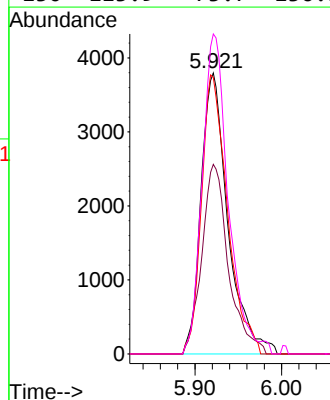
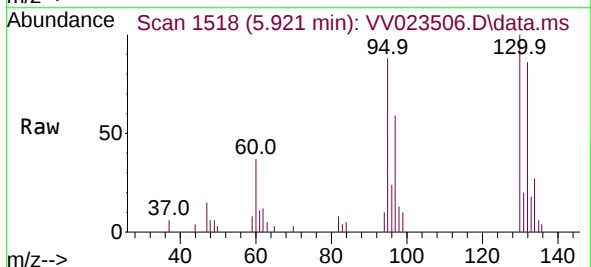
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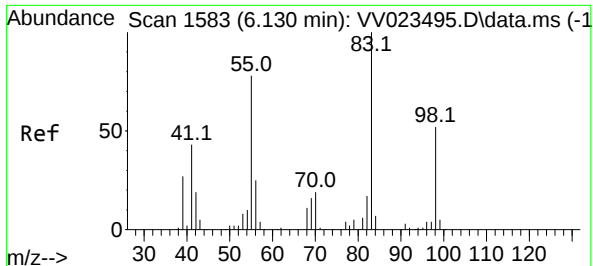
Tgt Ion: 62 Resp: 865
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#34
Trichloroethene
Concen: 0.881 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VV023506.D
Acq: 16 Nov 2021 00:43

Tgt Ion: 95 Resp: 8188
Ion Ratio Lower Upper
95 100
97 67.5 45.0 83.6
132 98.4 69.7 129.4
130 113.9 73.7 136.9





#35

Methylcyclohexane

Concen: 0.764 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.061 min

Lab File: VV023506.D

Acq: 16 Nov 2021 00:43

Instrument :

MSVOA_V

ClientSampleId :

BG220

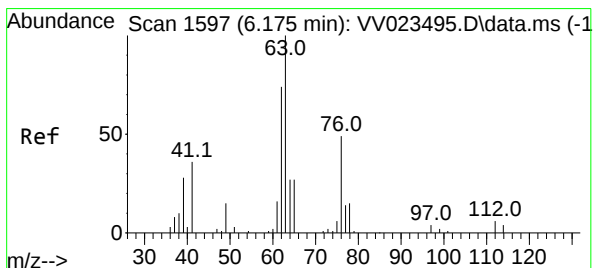
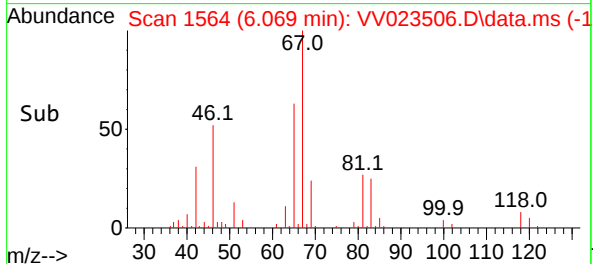
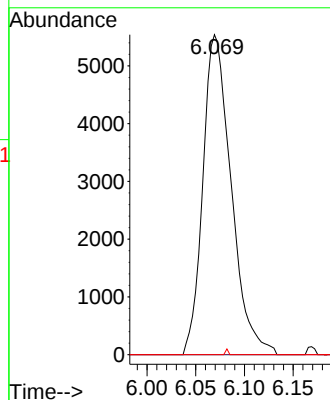
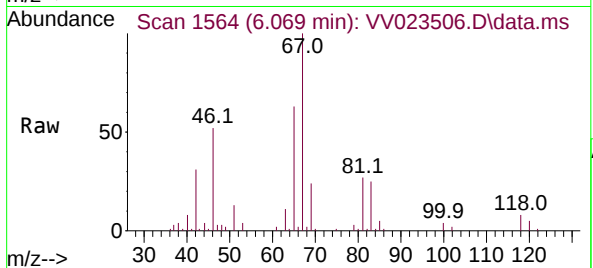
Tgt Ion: 83 Resp: 11204

Ion Ratio Lower Upper

83 100

55 0.4 62.8 94.2#

98 7.0 37.9 56.9#



#37

1,2-Dichloropropane

Concen: 0.607 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.106 min

Lab File: VV023506.D

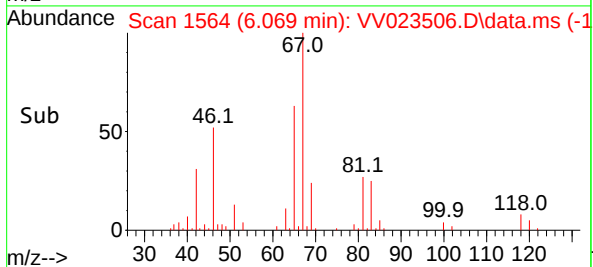
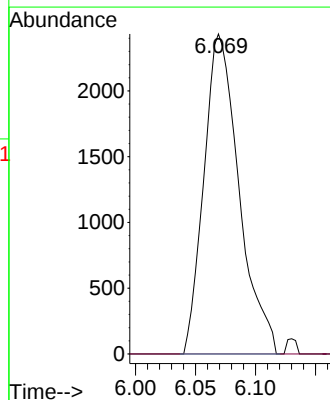
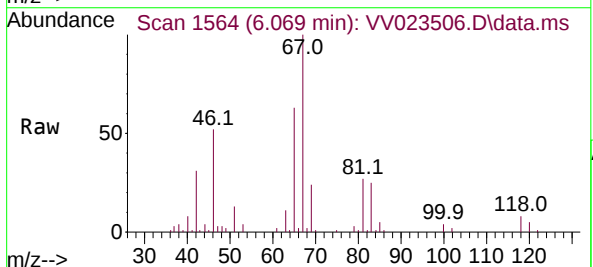
Acq: 16 Nov 2021 00:43

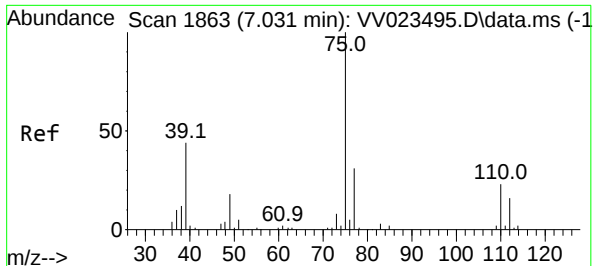
Tgt Ion: 63 Resp: 4950

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV023506.D

Acq: 16 Nov 2021 00:43

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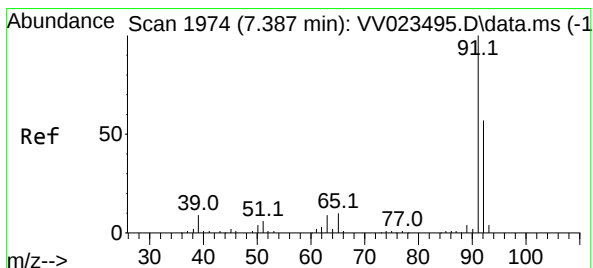
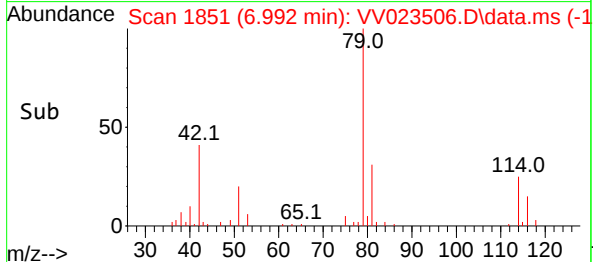
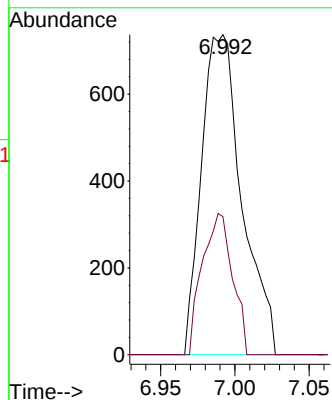
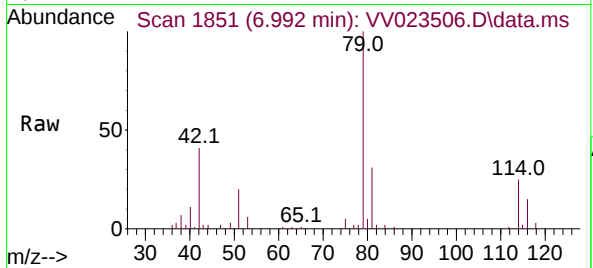
BG220

Tgt Ion: 75 Resp: 1399

Ion Ratio Lower Upper

75 100

77 43.1 21.6 40.2#



#42

Toluene

Concen: 0.060 ug/L

RT: 7.403 min Scan# 1979

Delta R.T. 0.016 min

Lab File: VV023506.D

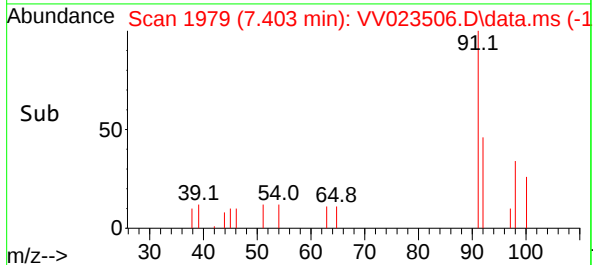
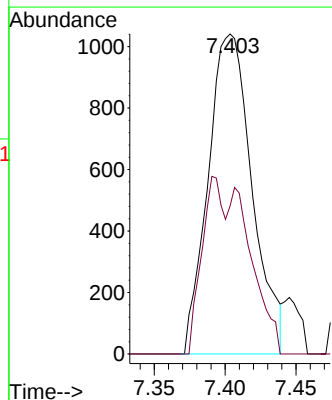
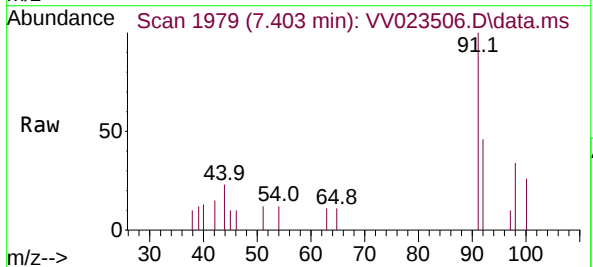
Acq: 16 Nov 2021 00:43

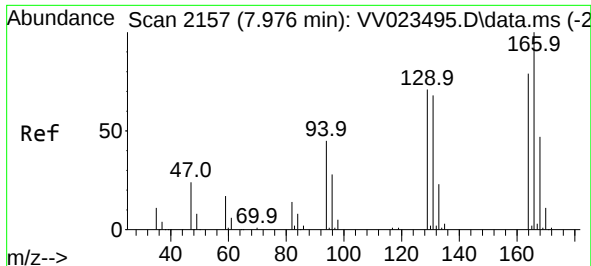
Tgt Ion: 91 Resp: 2253

Ion Ratio Lower Upper

91 100

92 46.3 39.3 72.9



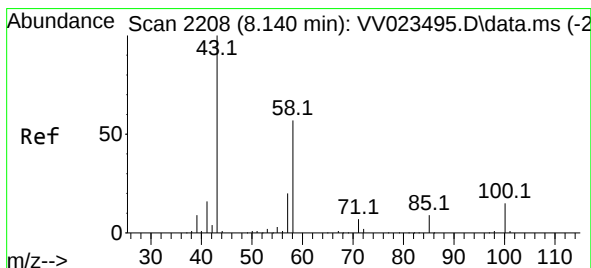
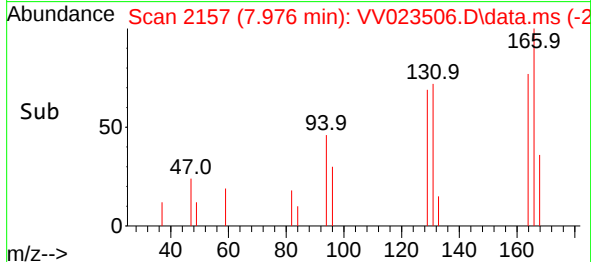
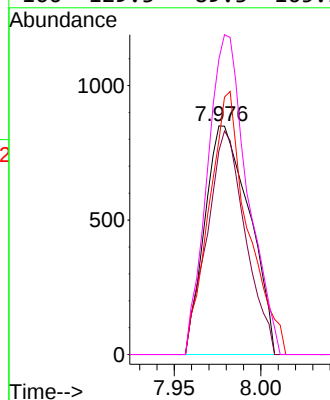
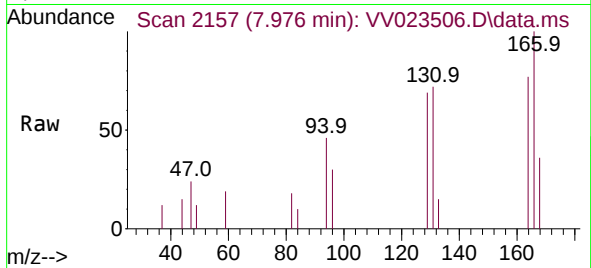


#47
Tetrachloroethene
Concen: 0.188 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV023506.D
Acq: 16 Nov 2021 00:43

Instrument :
MSVOA_V
ClientSampleId :
BG220

Tgt Ion:164 Resp: 1518

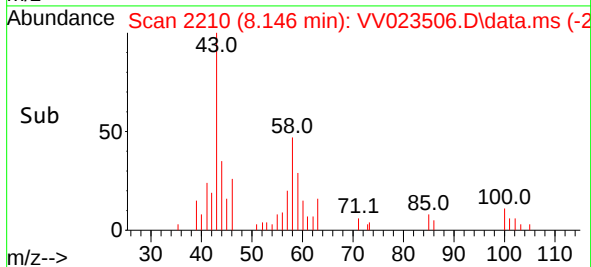
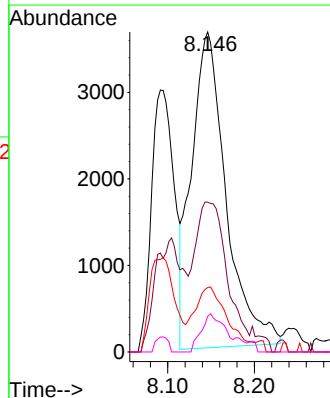
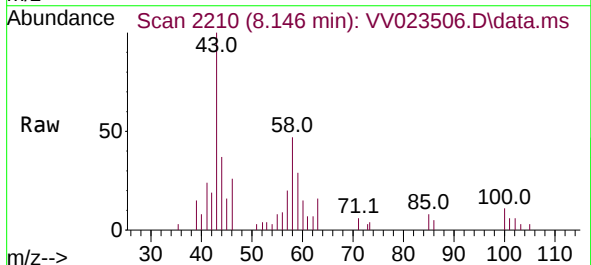
Ion	Ratio	Lower	Upper
164	100		
129	89.2	64.0	119.0
131	93.6	63.4	117.8
166	129.3	89.3	165.9

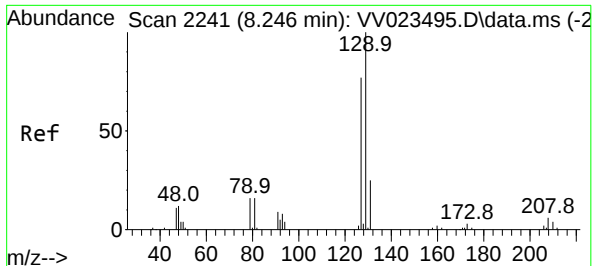


#48
2-Hexanone
Concen: 3.816 ug/L
RT: 8.146 min Scan# 2210
Delta R.T. 0.006 min
Lab File: VV023506.D
Acq: 16 Nov 2021 00:43

Tgt Ion: 43 Resp: 10118

Ion	Ratio	Lower	Upper
43	100		
58	38.6	43.7	65.5#
57	19.9	14.1	21.1
100	8.0	10.2	15.2#





#49

Dibromochloromethane

Concen: 0.172 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV023506.D

Acq: 16 Nov 2021 00:43

Instrument :

MSVOA_V

ClientSampleId :

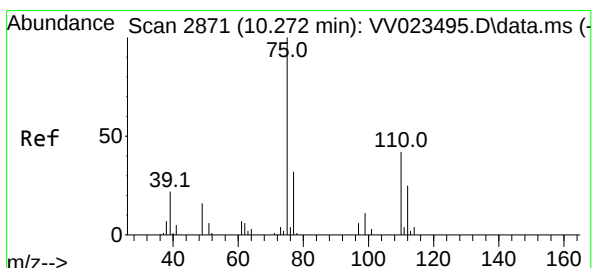
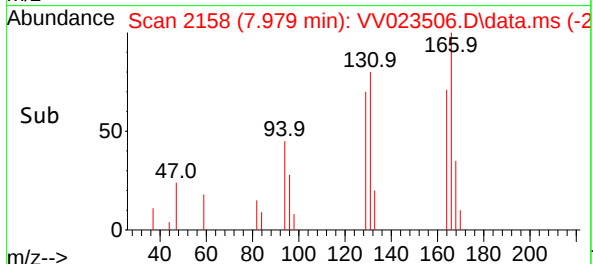
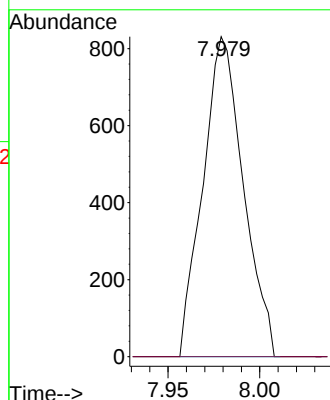
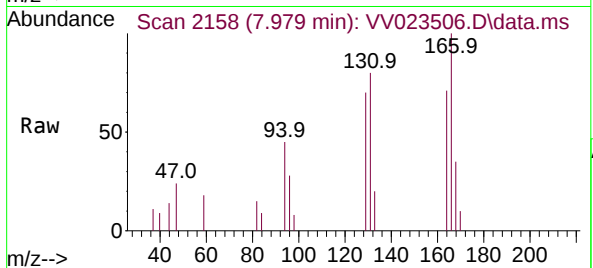
BG220

Tgt Ion:129 Resp: 1274

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.640 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV023506.D

Acq: 16 Nov 2021 00:43

Tgt Ion: 75 Resp: 6109

Ion Ratio Lower Upper

75 100

77 34.6 26.6 39.8

110 2.3 31.8 47.6#

