

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111621\
 Data File : VW023544.D
 Acq On : 16 Nov 2021 19:13
 Operator : SY/MD
 Sample : M4616-18DL 10X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG203DL

Quant Time: Nov 17 00:55:00 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)

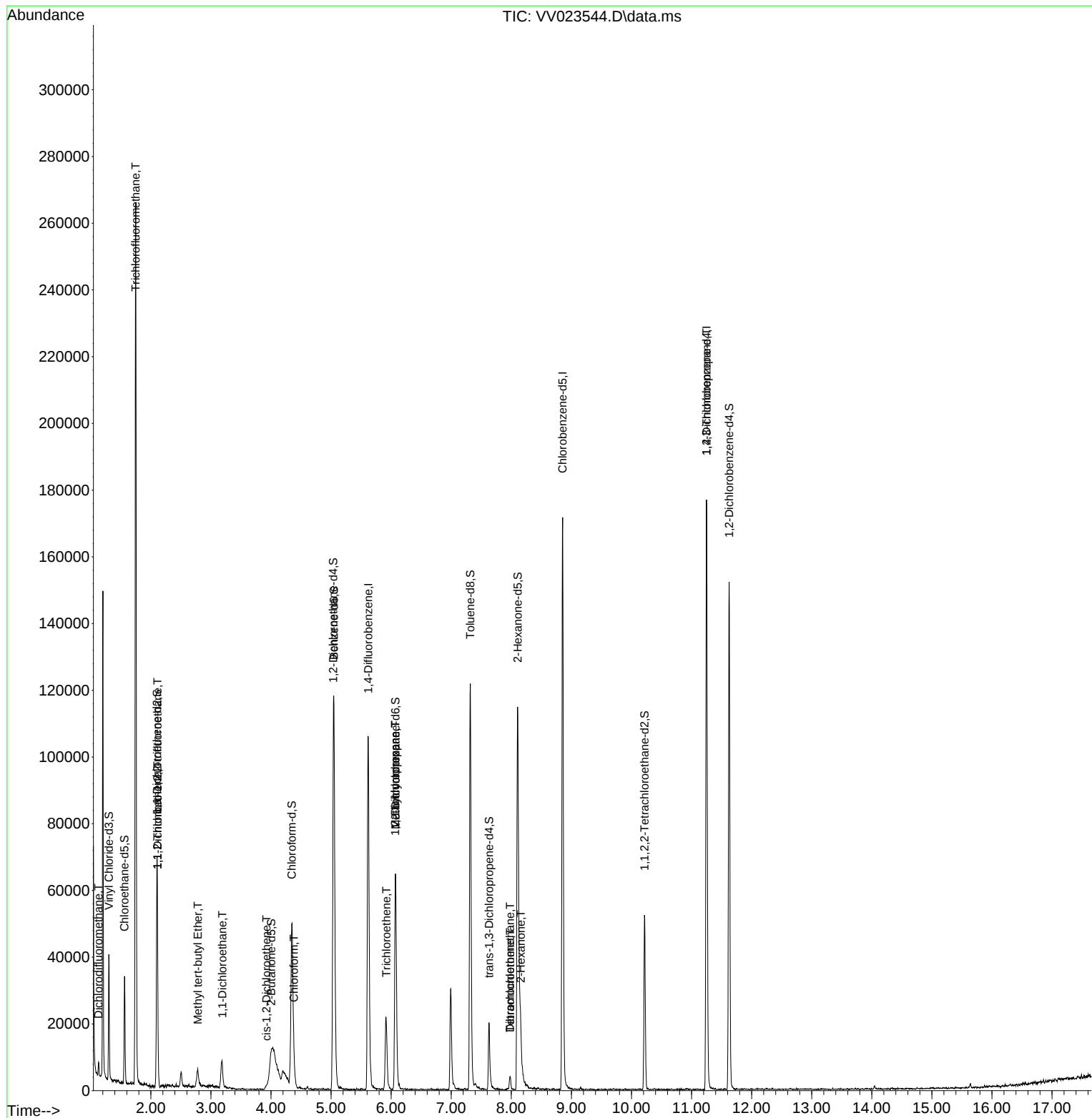
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	94115	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	98618	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	49856	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	20363	3.454	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.000%
7) Chloroethane-d5	1.561	69	18393	3.828	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.600%
11) 1,1-Dichloroethene-d2	2.101	63	32152	2.913	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.200%#
20) 2-Butanone-d5	4.005	46	20430	20.113	ug/L	0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	=	40.220%
24) Chloroform-d	4.346	84	49315	3.925	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.400%
26) 1,2-Dichloroethane-d4	5.037	65	28120	4.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	5.046	84	97182	3.841	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.800%
36) 1,2-Dichloropropane-d6	6.072	67	30596	4.108	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.200%
41) Toluene-d8	7.316	98	83108	3.505	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.000%
43) trans-1,3-Dichloroprop...	7.628	79	12122	4.292	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.104	63	45934	44.203	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.400%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	24062	4.492	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	40346	4.860	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	1464	0.160	ug/L	99
9) Trichlorofluoromethane	1.748	101	148418	12.676	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	2447	0.415	ug/L #	94
12) 1,1-Dichloroethene	2.111	96	1111	0.198	ug/L #	1
17) Methyl tert-butyl Ether	2.780	73	4981	0.403	ug/L #	87
19) 1,1-Dichloroethane	3.188	63	5929	0.509	ug/L	97
22) cis-1,2-Dichloroethene	3.924	96	667	0.100	ug/L #	65
25) Chloroform	4.381	83	5896	0.475	ug/L	98
34) Trichloroethene	5.918	95	7070	0.965	ug/L	100
35) Methylcyclohexane	6.072	83	7553	0.653	ug/L #	24
37) 1,2-Dichloropropane	6.069	63	3895	0.605	ug/L #	83
47) Tetrachloroethene	7.979	164	1020	0.161	ug/L #	69
48) 2-Hexanone	8.159	43	4560	2.181	ug/L #	85
49) Dibromochloromethane	7.982	129	849	0.145	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	4958	1.497	ug/L #	65

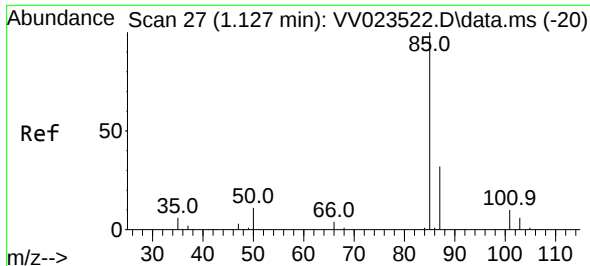
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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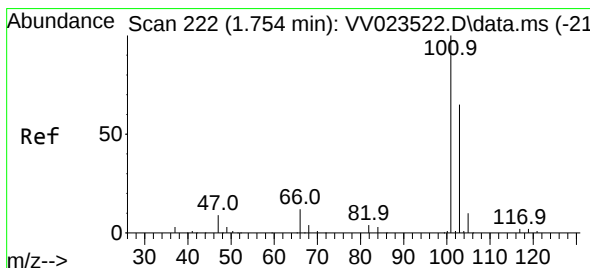
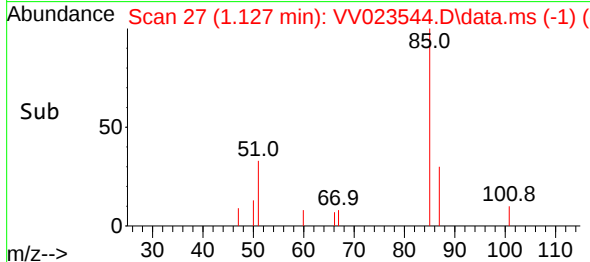
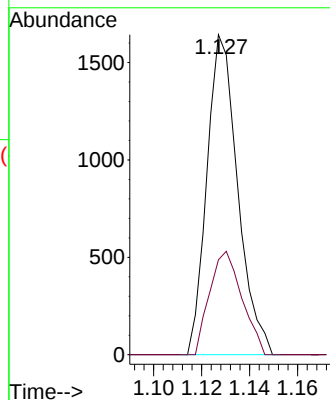
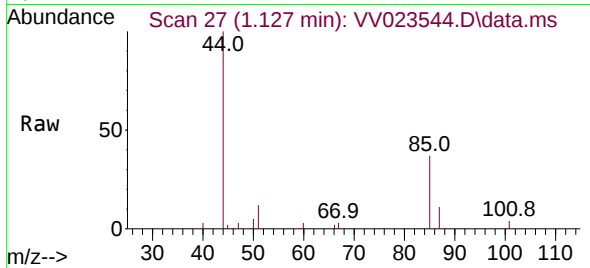




#2
 Dichlorodifluoromethane
 Concen: 0.160 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV023544.D
 Acq: 16 Nov 2021 19:13

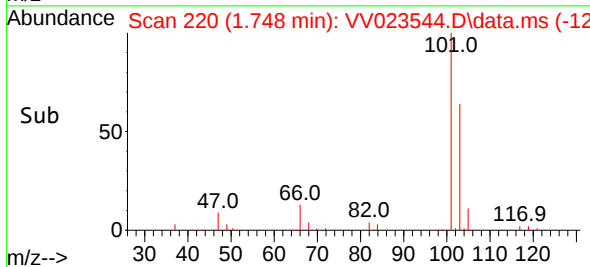
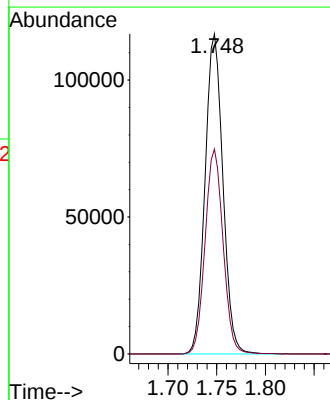
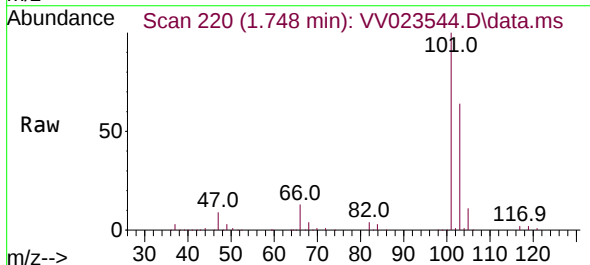
Instrument :
 MSVOA_V
 ClientSampleId :
 BG203DL

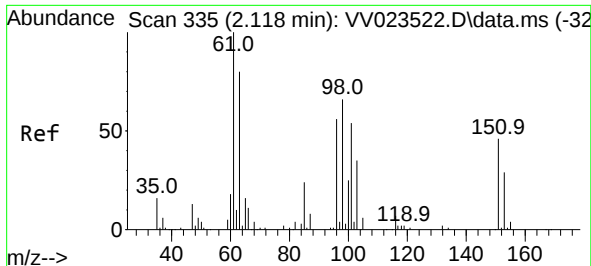
Tgt Ion: 85 Resp: 1464
 Ion Ratio Lower Upper
 85 100
 87 33.9 26.6 39.8



#9
 Trichlorofluoromethane
 Concen: 12.676 ug/L
 RT: 1.748 min Scan# 220
 Delta R.T. -0.007 min
 Lab File: VV023544.D
 Acq: 16 Nov 2021 19:13

Tgt Ion:101 Resp: 148418
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.6 79.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.415 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.007 min

Lab File: VV023544.D

Acq: 16 Nov 2021 19:13

Instrument :

MSVOA_V

ClientSampleId :

BG203DL

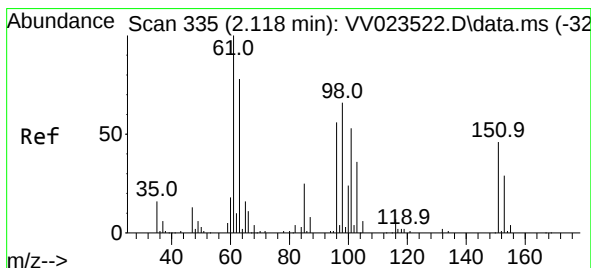
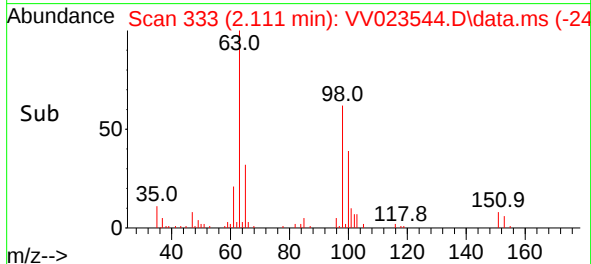
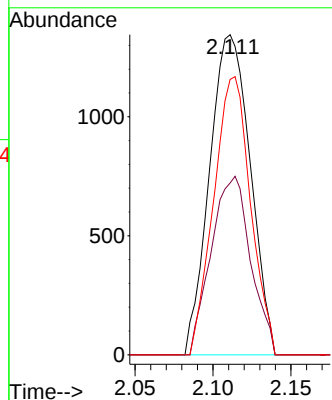
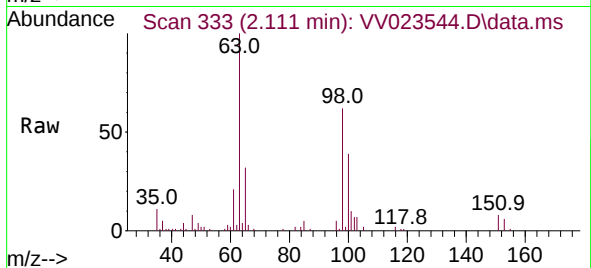
Tgt Ion:101 Resp: 2447

Ion Ratio Lower Upper

101 100

85 53.9 35.3 52.9#

151 78.5 62.2 93.2



#12

1,1-Dichloroethene

Concen: 0.198 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.007 min

Lab File: VV023544.D

Acq: 16 Nov 2021 19:13

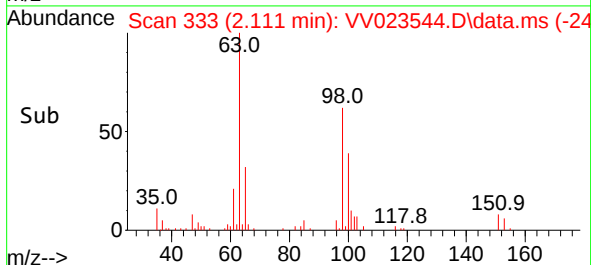
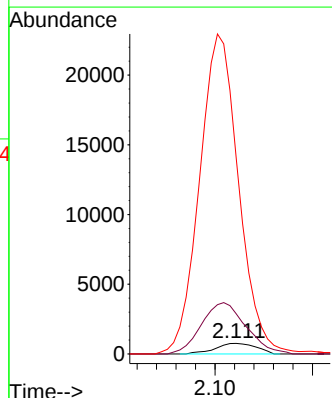
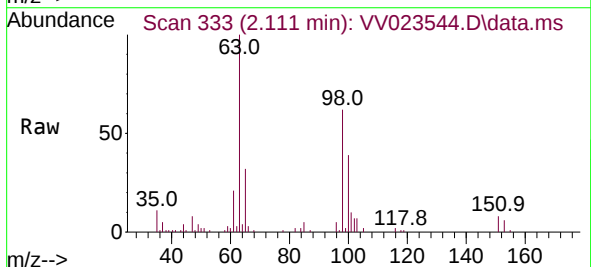
Tgt Ion: 96 Resp: 1111

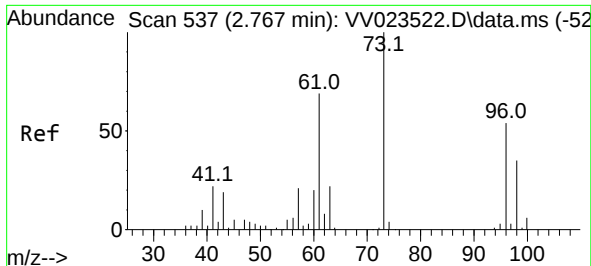
Ion Ratio Lower Upper

96 100

61 378.8 121.5 225.7#

63 1846.6 99.6 185.0#

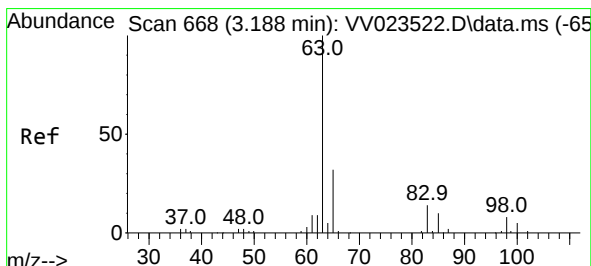
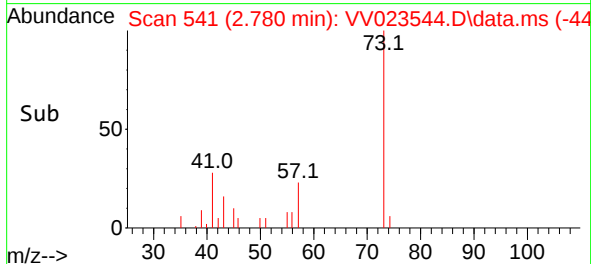
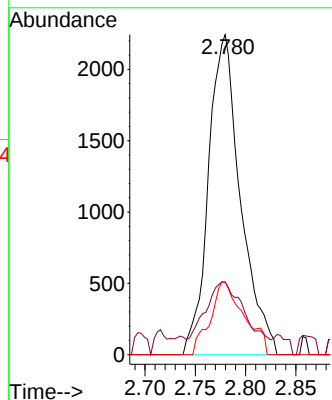
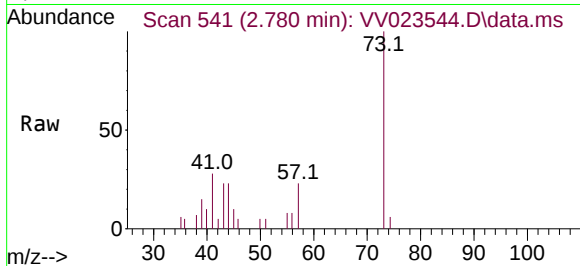




#17
Methyl tert-butyl Ether
Concen: 0.403 ug/L
RT: 2.780 min Scan# 541
Delta R.T. 0.013 min
Lab File: VV023544.D
Acq: 16 Nov 2021 19:13

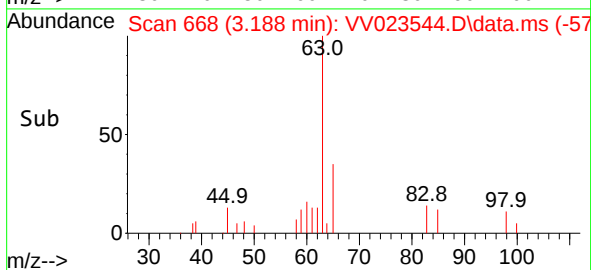
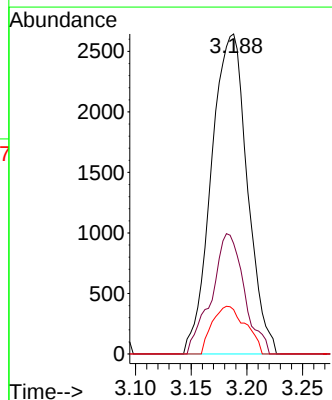
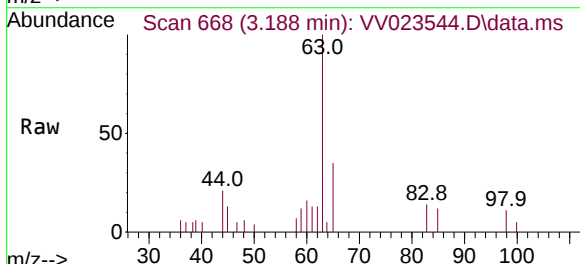
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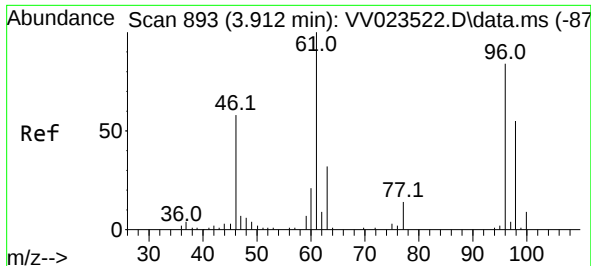
Tgt Ion: 73 Resp: 4981
Ion Ratio Lower Upper
73 100
43 30.0 17.4 26.0#
57 24.0 16.5 24.7



#19
1,1-Dichloroethane
Concen: 0.509 ug/L
RT: 3.188 min Scan# 668
Delta R.T. -0.000 min
Lab File: VV023544.D
Acq: 16 Nov 2021 19:13

Tgt Ion: 63 Resp: 5929
Ion Ratio Lower Upper
63 100
65 32.8 22.6 42.0
83 13.2 11.1 20.7

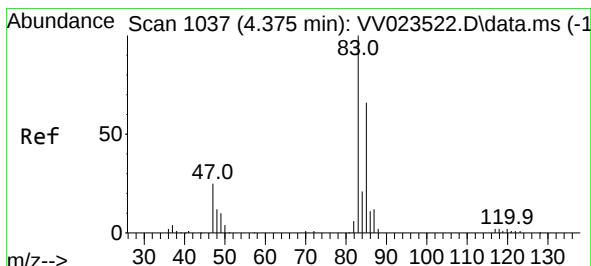
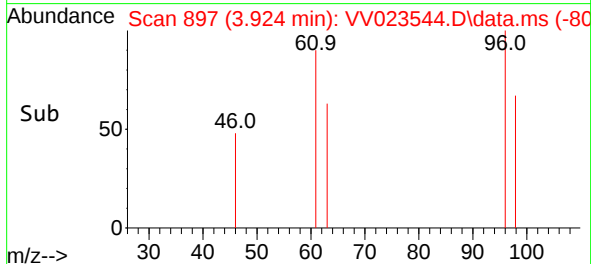
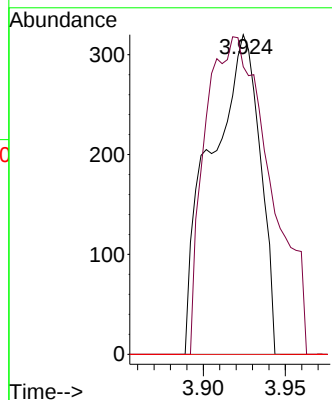
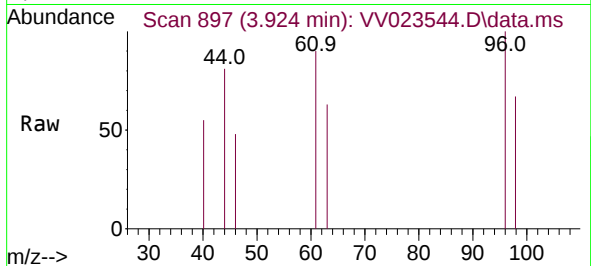




#22
 cis-1,2-Dichloroethene
 Concen: 0.100 ug/L
 RT: 3.924 min Scan# 89
 Delta R.T. 0.013 min
 Lab File: VV023544.D
 Acq: 16 Nov 2021 19:13

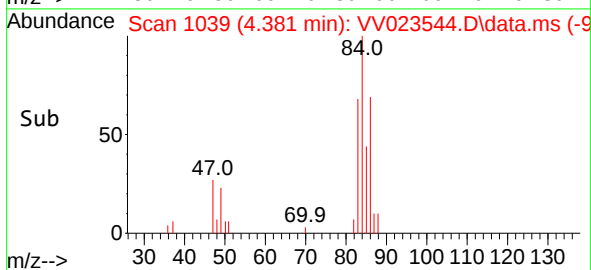
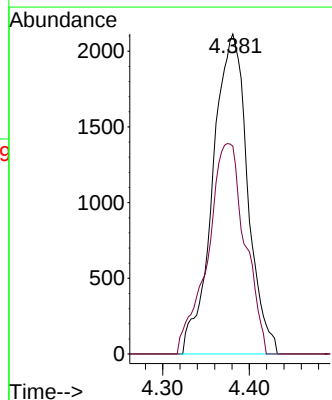
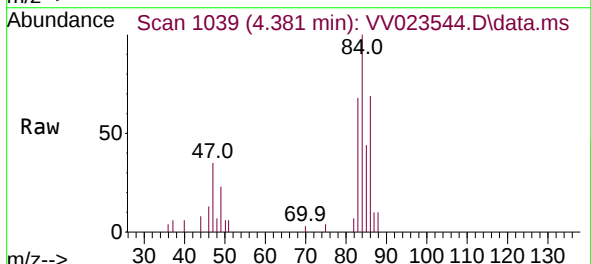
Instrument :
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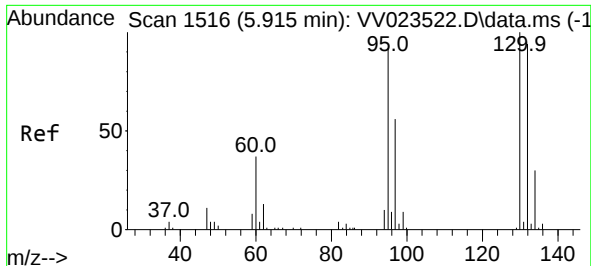
Tgt Ion: 96 Resp: 667
 Ion Ratio Lower Upper
 96 100
 61 90.0 92.3 171.3#
 68 0.0 0.4 0.8#



#25
 Chloroform
 Concen: 0.475 ug/L
 RT: 4.381 min Scan# 1039
 Delta R.T. 0.006 min
 Lab File: VV023544.D
 Acq: 16 Nov 2021 19:13

Tgt Ion: 83 Resp: 5896
 Ion Ratio Lower Upper
 83 100
 85 64.9 46.8 86.8



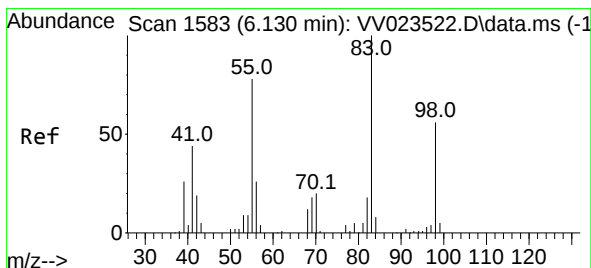
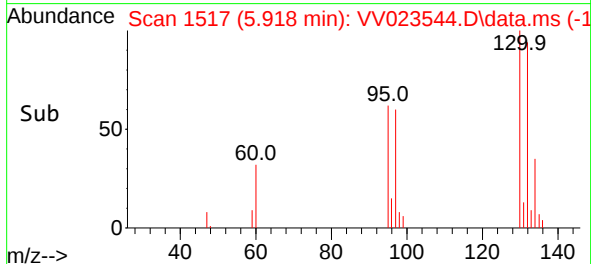
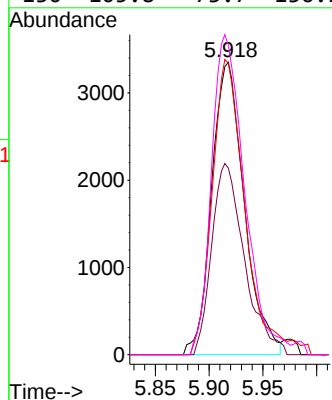
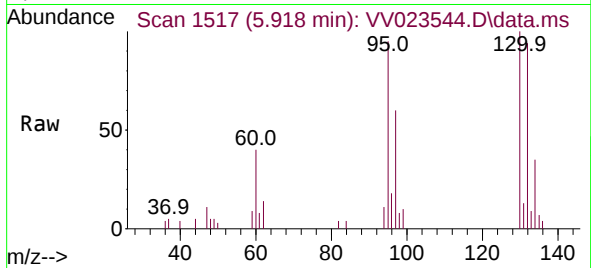


#34
Trichloroethene
Concen: 0.965 ug/L
RT: 5.918 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023544.D
Acq: 16 Nov 2021 19:13

Instrument :
MSVOA_V
ClientSampleId :
BG203DL

Tgt Ion: 95 Resp: 7070

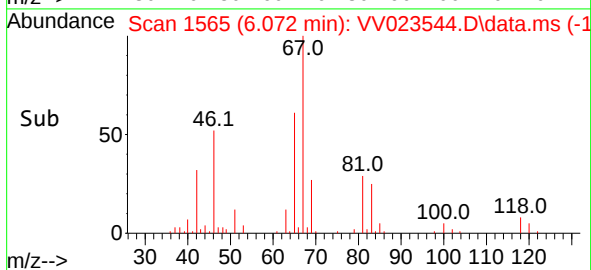
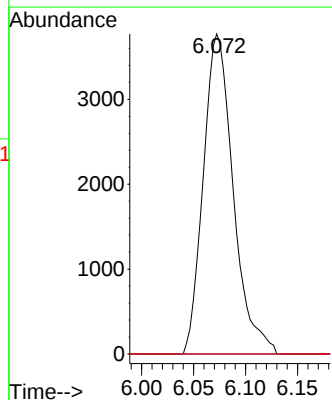
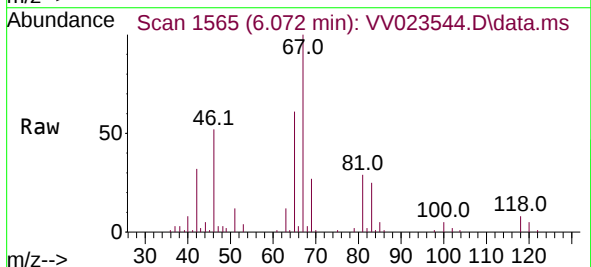
Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.0	83.6
132	99.7	69.7	129.4
130	105.8	73.7	136.9

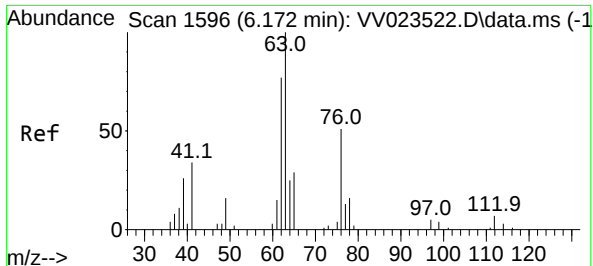


#35
Methylcyclohexane
Concen: 0.653 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV023544.D
Acq: 16 Nov 2021 19:13

Tgt Ion: 83 Resp: 7553

Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.8	94.2#
98	12.5	37.9	56.9#





#37

1,2-Dichloropropane

Concen: 0.605 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV023544.D

Acq: 16 Nov 2021 19:13

Instrument :

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ClientSampleId :

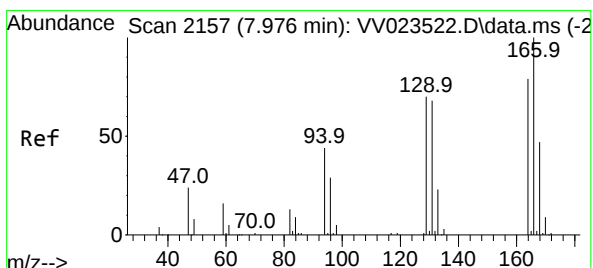
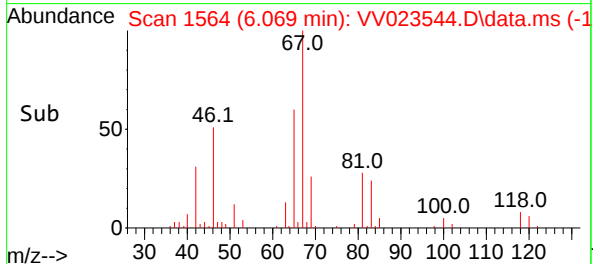
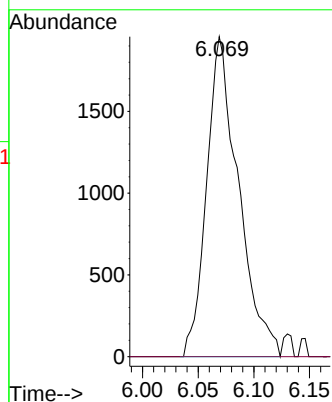
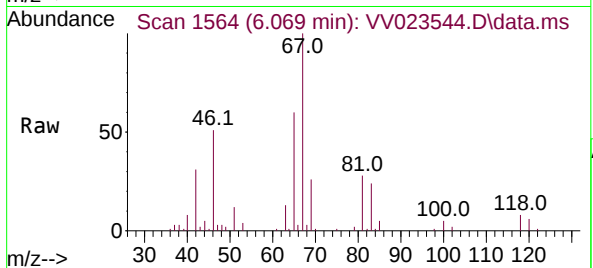
BG203DL

Tgt Ion: 63 Resp: 3895

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#47

Tetrachloroethene

Concen: 0.161 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV023544.D

Acq: 16 Nov 2021 19:13

Tgt Ion:164 Resp: 1020

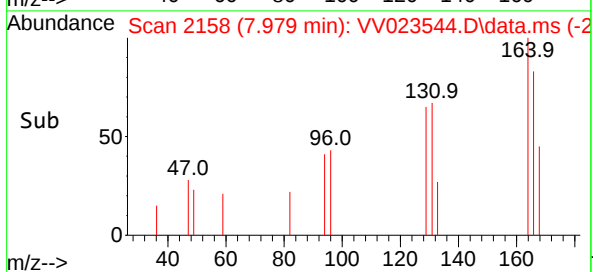
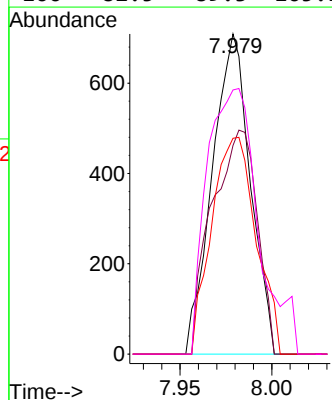
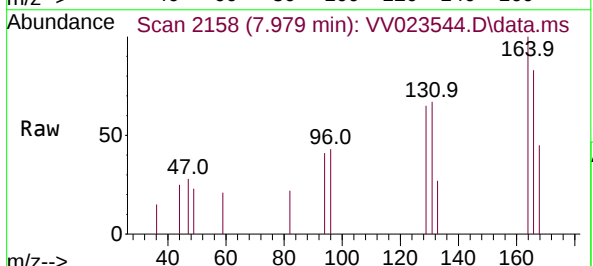
Ion Ratio Lower Upper

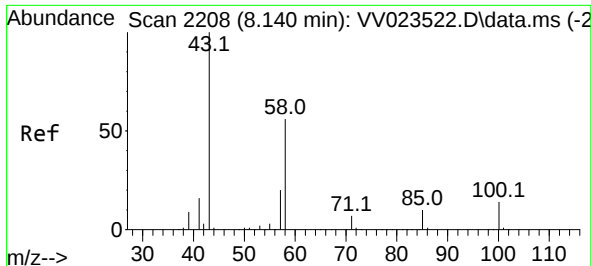
164 100

129 65.2 64.0 119.0

131 67.4 63.4 117.8

166 82.5 89.3 165.9#

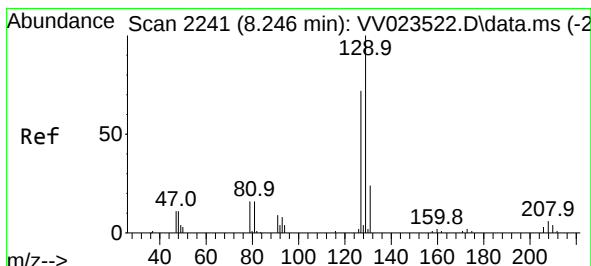
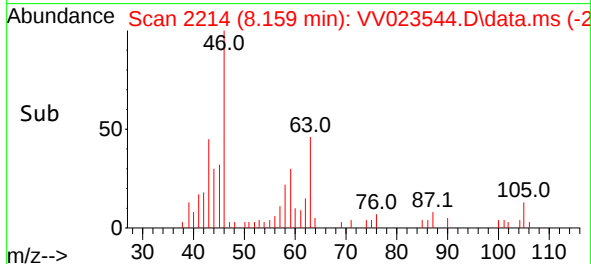
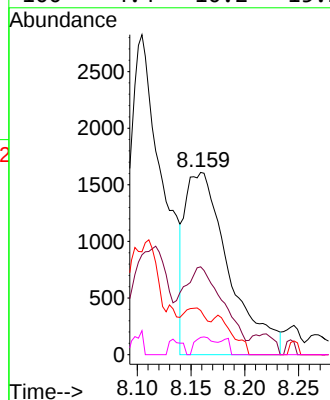
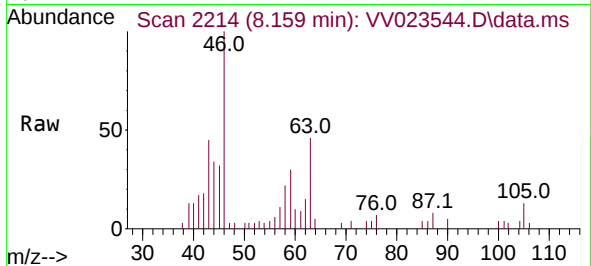




#48
2-Hexanone
Concen: 2.181 ug/L
RT: 8.159 min Scan# 2119
Delta R.T. 0.019 min
Lab File: VV023544.D
Acq: 16 Nov 2021 19:13

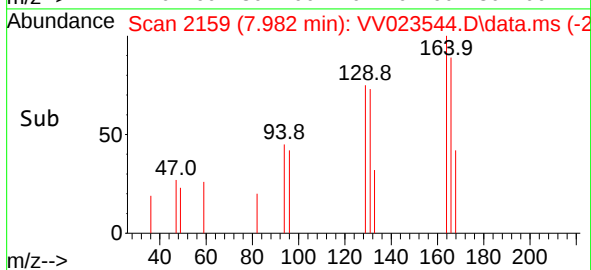
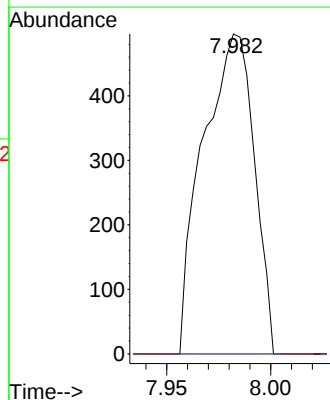
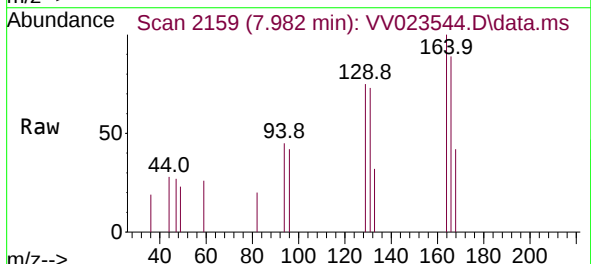
Instrument :
MSVOA_V
ClientSampleId :
BG203DL

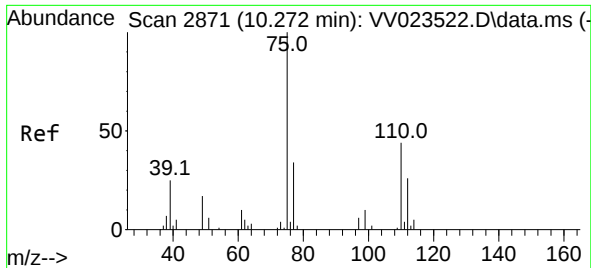
Tgt Ion: 43	Resp: 4560
Ion Ratio	Lower Upper
43 100	
58 43.8	43.7 65.5
57 14.0	14.1 21.1#
100 4.4	10.2 15.2#



#49
Dibromochloromethane
Concen: 0.145 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. -0.264 min
Lab File: VV023544.D
Acq: 16 Nov 2021 19:13

Tgt Ion: 129	Resp: 849
Ion Ratio	Lower Upper
129 100	
127 0.0	54.7 101.7#





#61
 1,2,3-Trichloropropane
 Concen: 1.497 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.977 min
 Lab File: VV023544.D
 Acq: 16 Nov 2021 19:13

Instrument :
 MSVOA_V
 ClientSampleId :
 BG203DL

Tgt Ion: 75 Resp: 4958
 Ion Ratio Lower Upper
 75 100
 77 36.3 26.6 39.8
 110 2.9 31.8 47.6#

