

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111521\
 Data File : VV023483.D
 Acq On : 15 Nov 2021 15:31
 Operator : SY/MD
 Sample : M4616-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG203

Quant Time: Nov 16 00:33:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 00:29:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	119227	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	120392	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	54037	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	41327	5.533	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.600%
7) Chloroethane-d5	1.568	69	32914	5.407	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.200%
11) 1,1-Dichloroethene-d2	2.111	63	60874	4.354	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.000%
20) 2-Butanone-d5	3.892	46	71677	55.702	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.400%
24) Chloroform-d	4.349	84	74979	4.710	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
26) 1,2-Dichloroethane-d4	5.034	65	37102	5.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.053	84	149678	4.845	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.069	67	44752	4.921	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.317	98	132082	4.563	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	7.625	79	15634	4.534	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.600%
46) 2-Hexanone-d5	8.092	63	43830	34.550	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.100%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	25818	3.948	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	48195	5.356	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.131	85	8079	0.695	ug/L	93
3) Chloromethane	1.243	50	496	0.050	ug/L	94
5) Vinyl chloride	1.314	62	609	0.062	ug/L #	1
9) Trichlorofluoromethane	1.754	101	962417	64.884	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	15476	2.072	ug/L	98
12) 1,1-Dichloroethene	2.121	96	8102	1.140	ug/L #	1
13) Acetone	2.179	43	1276	1.623	ug/L	57
17) Methyl tert-butyl Ether	2.770	73	41982	2.682	ug/L	97
18) trans-1,2-Dichloroethene	2.764	96	653	0.075	ug/L	80
19) 1,1-Dichloroethane	3.192	63	57954	3.927	ug/L	98
22) cis-1,2-Dichloroethene	3.921	96	7757	0.922	ug/L #	95
25) Chloroform	4.375	83	6302	0.401	ug/L	83
29) 1,1,1-Trichloroethane	4.609	97	4416	0.302	ug/L	98
34) Trichloroethene	5.915	95	68511	7.656	ug/L	100
35) Methylcyclohexane	6.072	83	11134	0.788	ug/L #	17
37) 1,2-Dichloropropane	6.069	63	5122	0.652	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	1169	0.103	ug/L #	34
42) Toluene	7.400	91	2171	0.060	ug/L	98
47) Tetrachloroethene	7.979	164	8642	1.114	ug/L	96

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QLast Update : Tue Nov 16 00:29:25 2021
Response via : Initial Calibration

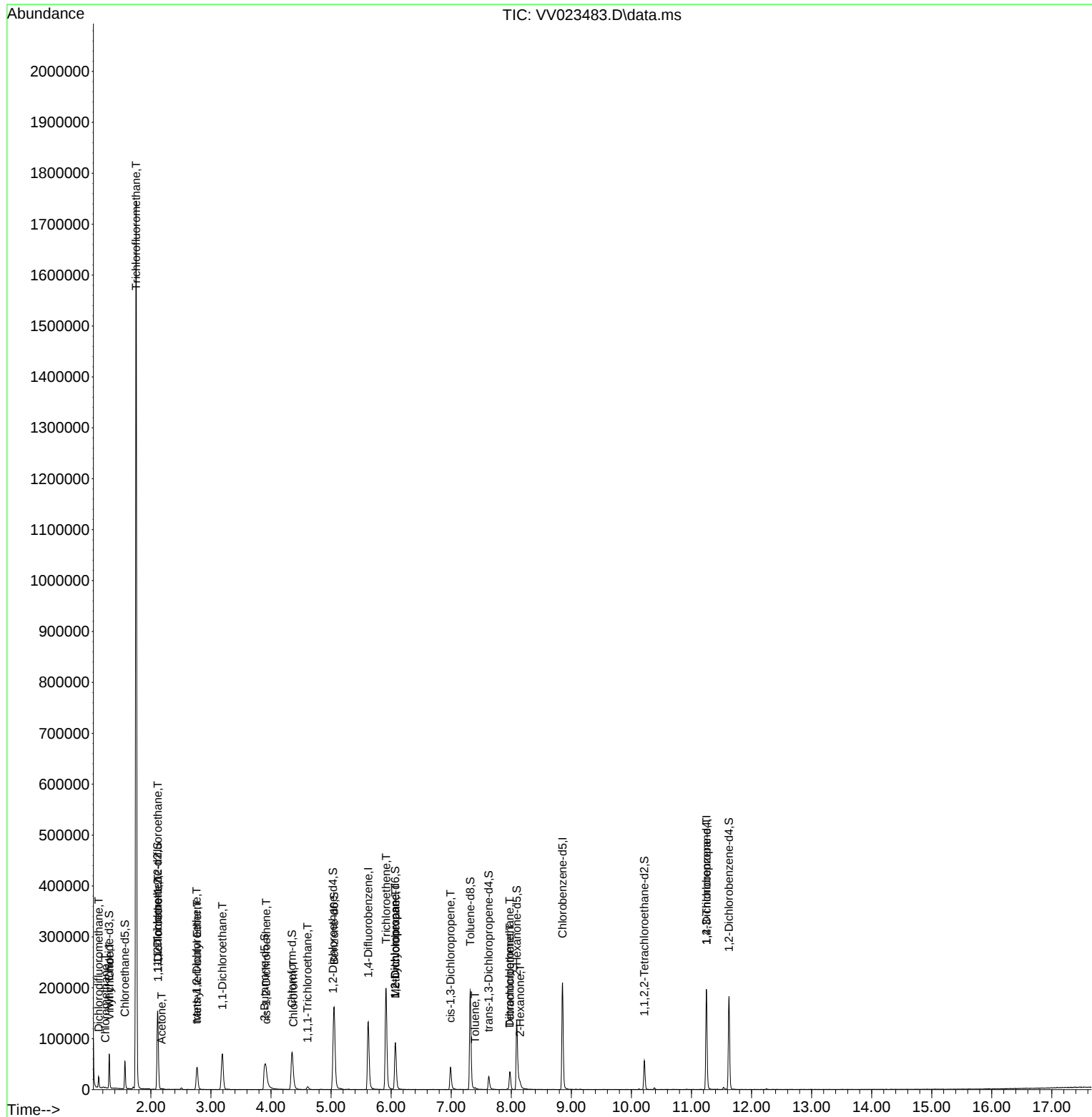
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.146	43	7687	3.011	ug/L #	89
49) Dibromochloromethane	7.976	129	7809	1.092	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6015	1.676	ug/L #	66

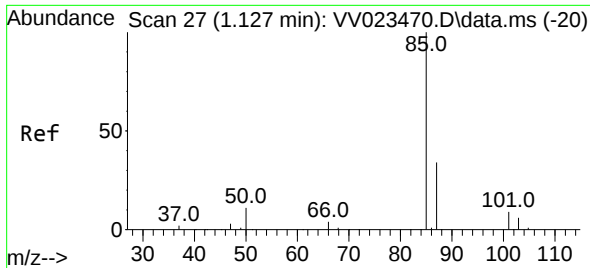
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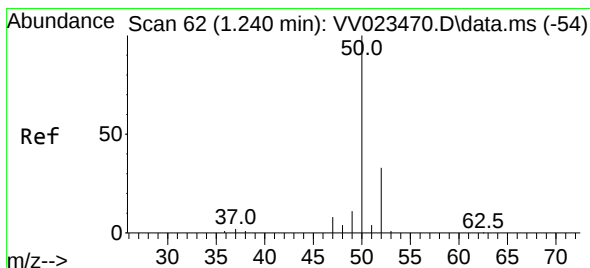
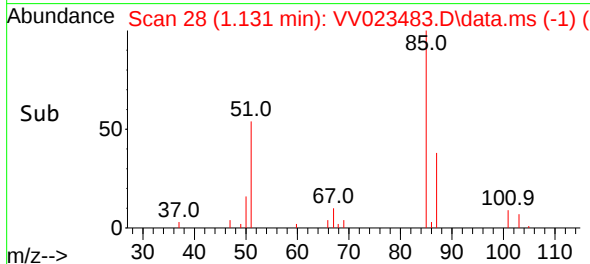
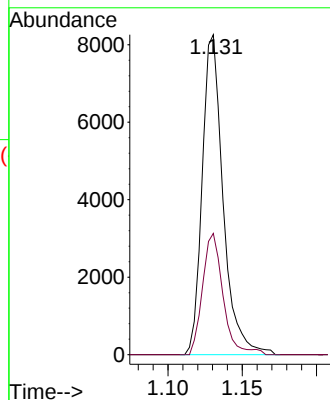
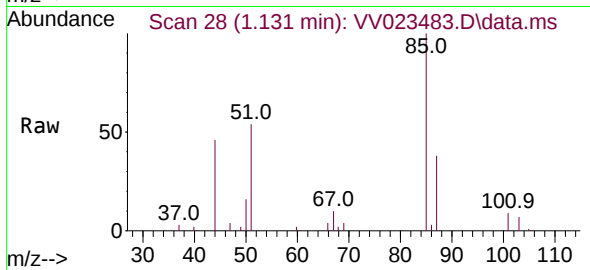




#2
 Dichlorodifluoromethane
 Concen: 0.695 ug/L
 RT: 1.131 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV023483.D
 Acq: 15 Nov 2021 15:31

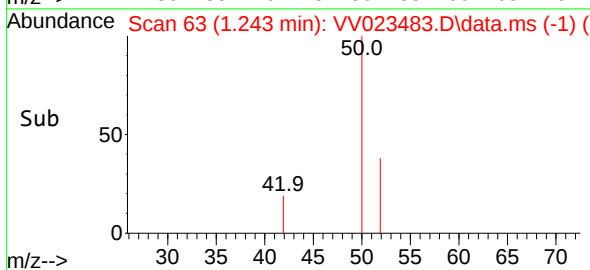
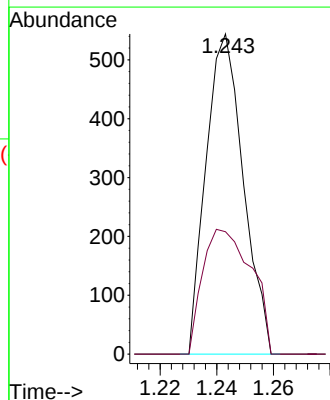
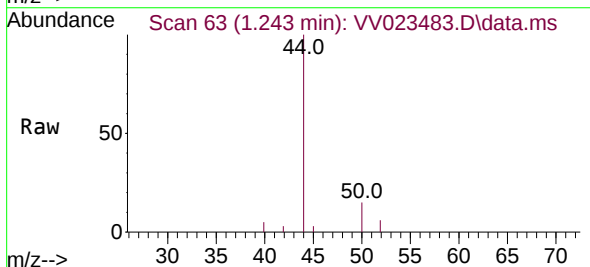
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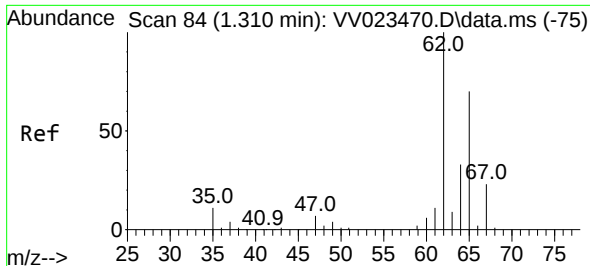
Tgt Ion: 85 Resp: 8079
 Ion Ratio Lower Upper
 85 100
 87 37.1 26.6 39.8



#3
 Chloromethane
 Concen: 0.050 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV023483.D
 Acq: 15 Nov 2021 15:31

Tgt Ion: 50 Resp: 496
 Ion Ratio Lower Upper
 50 100
 52 38.2 24.3 45.1

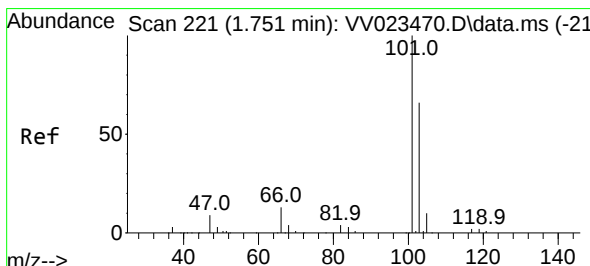
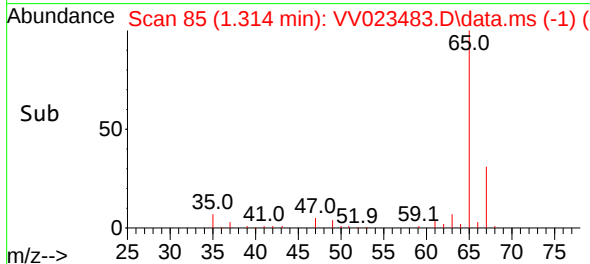
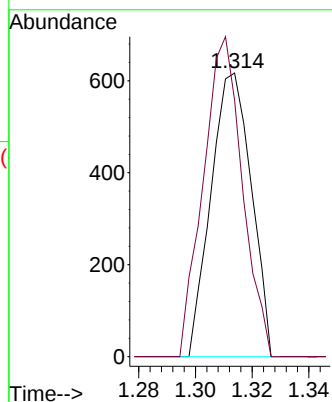
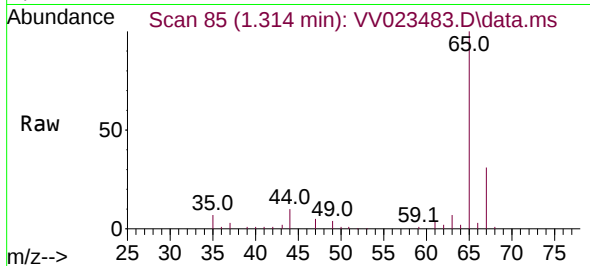




#5
 Vinyl chloride
 Concen: 0.062 ug/L
 RT: 1.314 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023483.D
 Acq: 15 Nov 2021 15:31

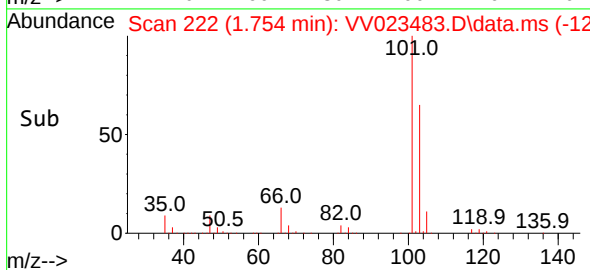
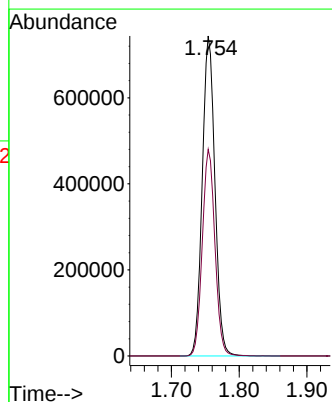
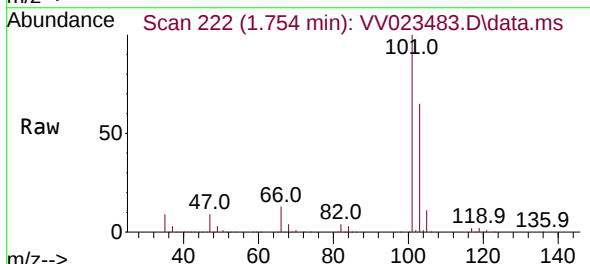
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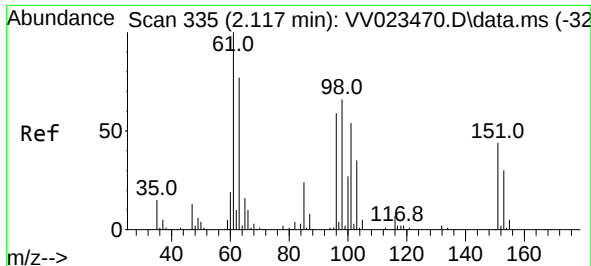
Tgt Ion: 62 Resp: 609
 Ion Ratio Lower Upper
 62 100
 64 90.4 23.1 42.9#



#9
 Trichlorofluoromethane
 Concen: 64.884 ug/L
 RT: 1.754 min Scan# 222
 Delta R.T. 0.003 min
 Lab File: VV023483.D
 Acq: 15 Nov 2021 15:31

Tgt Ion: 101 Resp: 962417
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.6 79.0

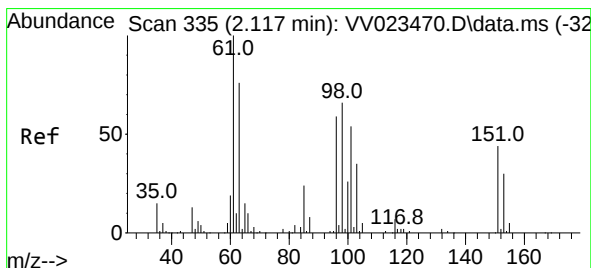
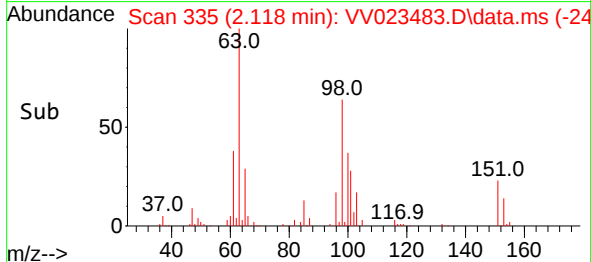
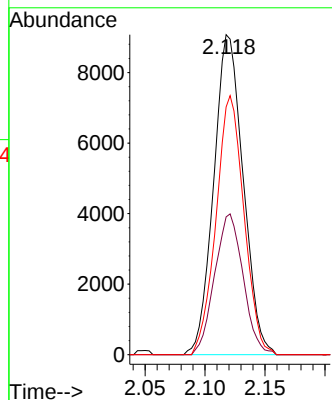
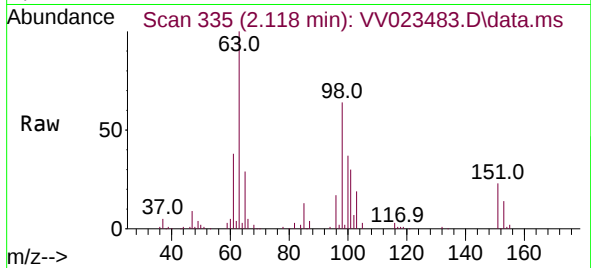




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.072 ug/L
 RT: 2.118 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV023483.D
 Acq: 15 Nov 2021 15:31

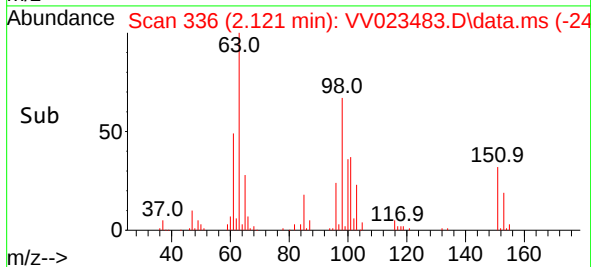
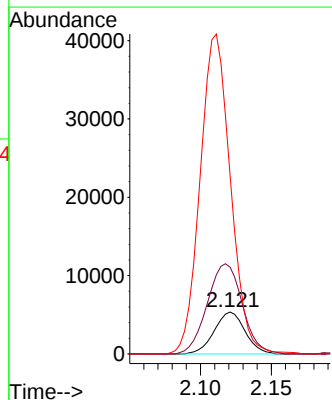
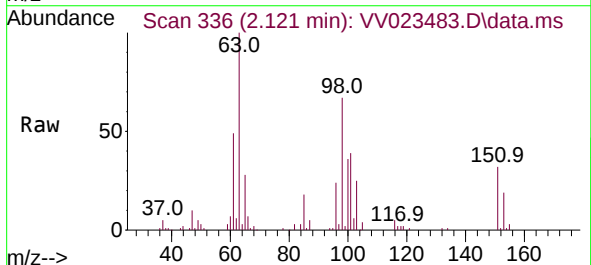
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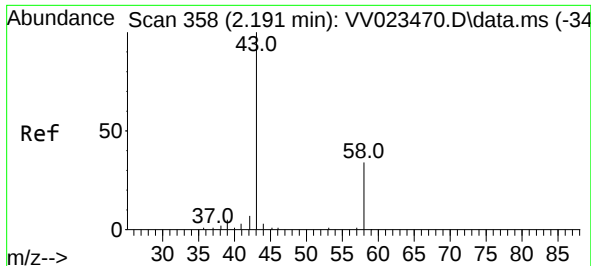
Tgt Ion:101 Resp: 15476
 Ion Ratio Lower Upper
 101 100
 85 42.6 35.3 52.9
 151 76.7 62.2 93.2



#12
 1,1-Dichloroethene
 Concen: 1.140 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV023483.D
 Acq: 15 Nov 2021 15:31

Tgt Ion: 96 Resp: 8102
 Ion Ratio Lower Upper
 96 100
 61 207.0 121.5 225.7
 63 425.1 99.6 185.0#

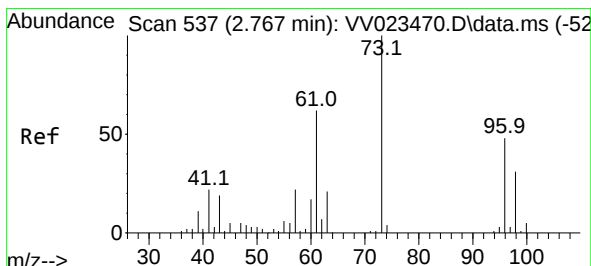
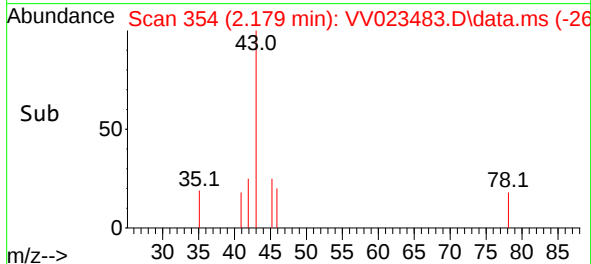
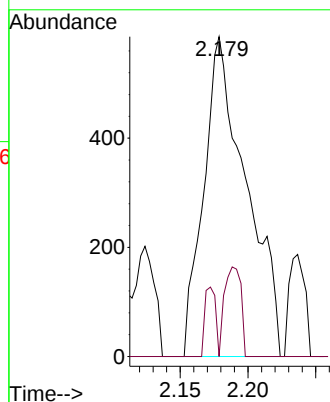
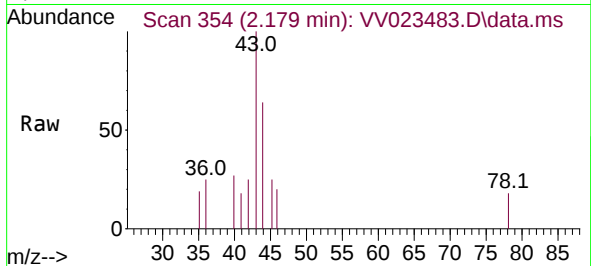




#13
Acetone
Concen: 1.623 ug/L
RT: 2.179 min Scan# 31
Delta R.T. -0.013 min
Lab File: VV023483.D
Acq: 15 Nov 2021 15:31

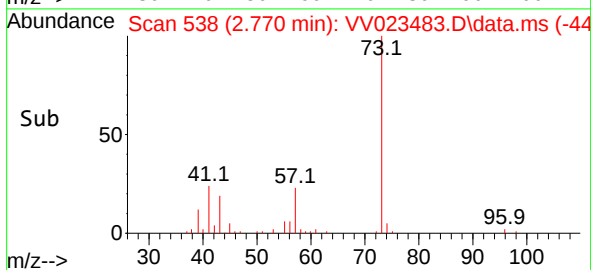
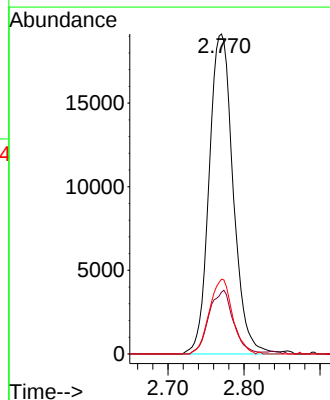
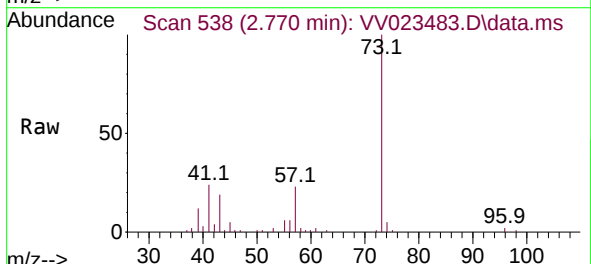
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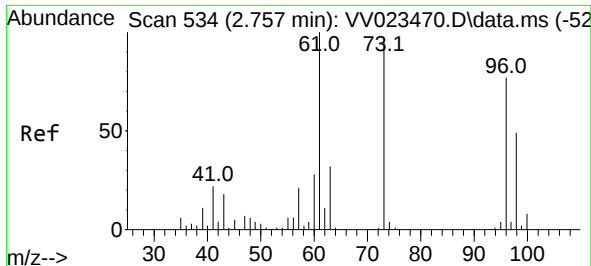
Tgt Ion: 43 Resp: 1276
Ion Ratio Lower Upper
43 100
58 5.4 0.0 55.4



#17
Methyl tert-butyl Ether
Concen: 2.682 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV023483.D
Acq: 15 Nov 2021 15:31

Tgt Ion: 73 Resp: 41982
Ion Ratio Lower Upper
73 100
43 20.3 17.4 26.0
57 22.5 16.5 24.7

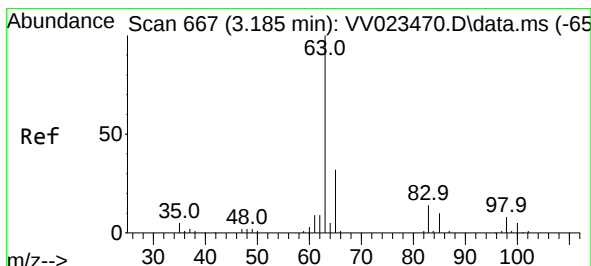
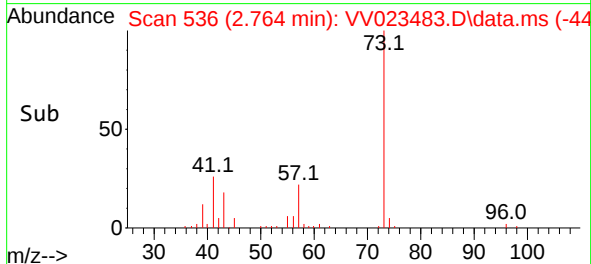
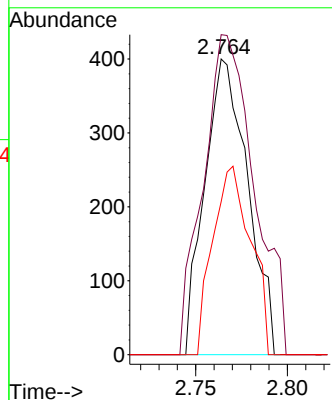
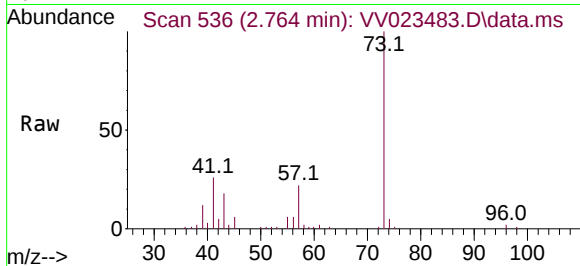




#18
trans-1,2-Dichloroethene
Concen: 0.075 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV023483.D
Acq: 15 Nov 2021 15:31

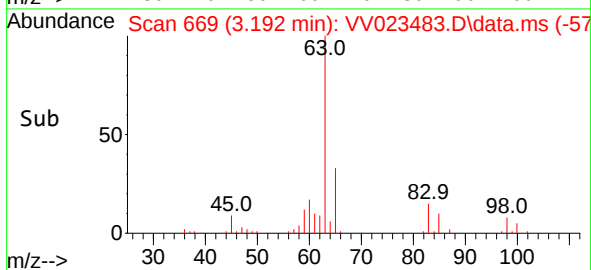
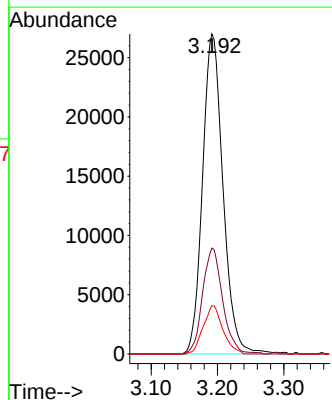
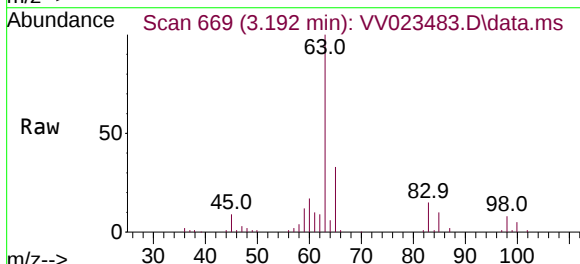
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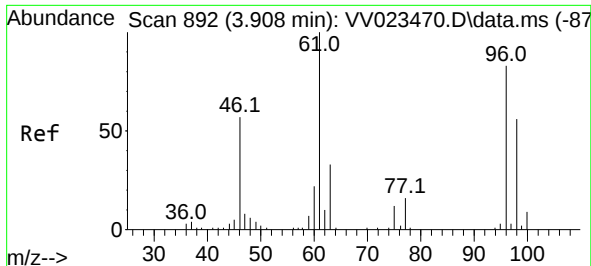
Tgt Ion: 96 Resp: 653
Ion Ratio Lower Upper
96 100
61 108.3 93.2 173.2
98 51.7 47.0 87.2



#19
1,1-Dichloroethane
Concen: 3.927 ug/L
RT: 3.192 min Scan# 669
Delta R.T. 0.007 min
Lab File: VV023483.D
Acq: 15 Nov 2021 15:31

Tgt Ion: 63 Resp: 57954
Ion Ratio Lower Upper
63 100
65 33.1 22.6 42.0
83 15.0 11.1 20.7

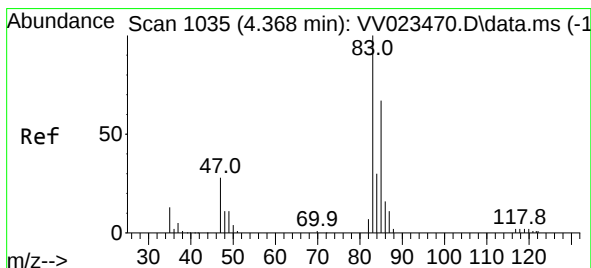
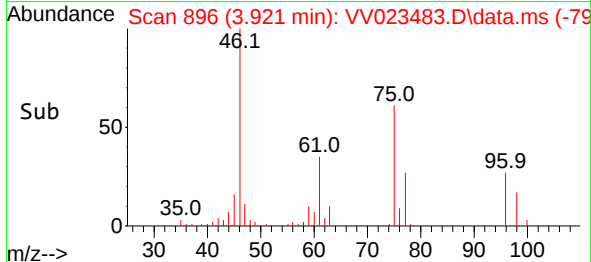
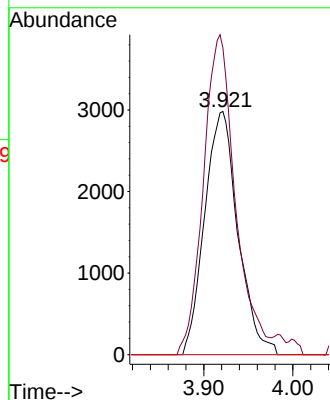
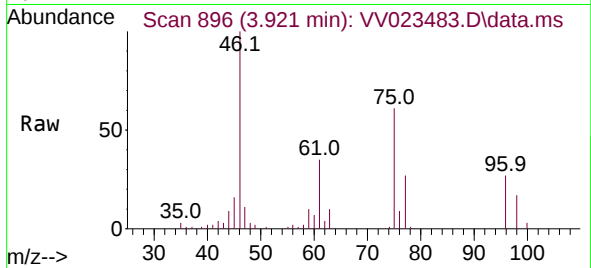




#22
 cis-1,2-Dichloroethene
 Concen: 0.922 ug/L
 RT: 3.921 min Scan# 896
 Delta R.T. 0.013 min
 Lab File: VV023483.D
 Acq: 15 Nov 2021 15:31

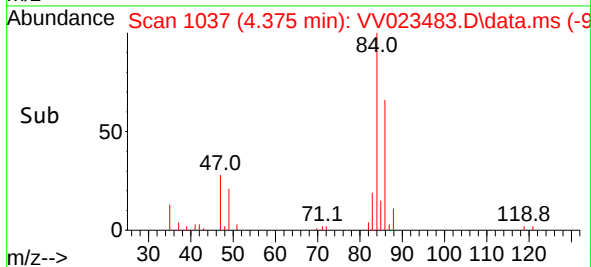
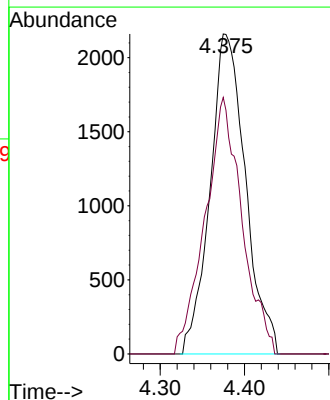
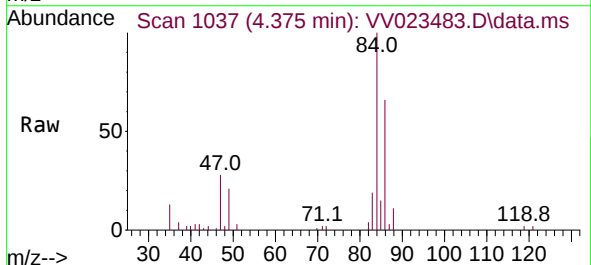
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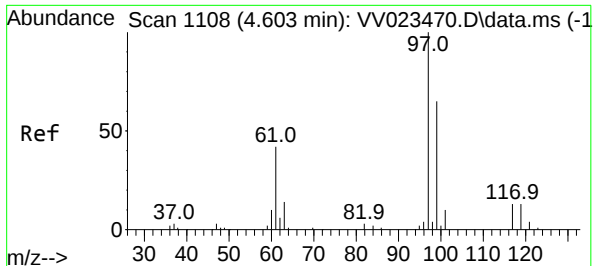
Tgt Ion: 96 Resp: 7757
 Ion Ratio Lower Upper
 96 100
 61 126.1 92.3 171.3
 68 0.0 0.4 0.8#



#25
 Chloroform
 Concen: 0.401 ug/L
 RT: 4.375 min Scan# 1037
 Delta R.T. 0.007 min
 Lab File: VV023483.D
 Acq: 15 Nov 2021 15:31

Tgt Ion: 83 Resp: 6302
 Ion Ratio Lower Upper
 83 100
 85 80.1 46.8 86.8





#29

1,1,1-Trichloroethane

Concen: 0.302 ug/L

RT: 4.609 min Scan# 1108

Delta R.T. 0.007 min

Lab File: VV023483.D

Acq: 15 Nov 2021 15:31

Instrument :

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ClientSampleId :

BG203

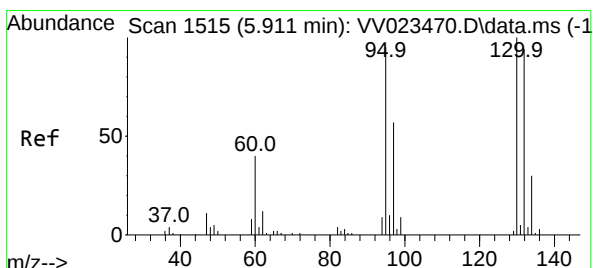
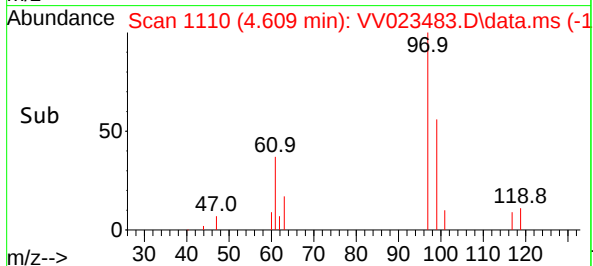
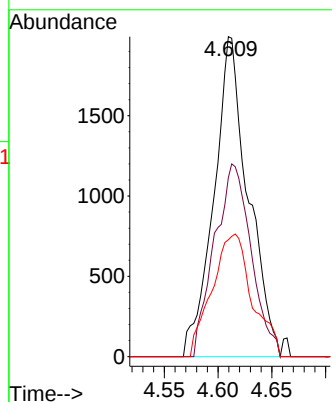
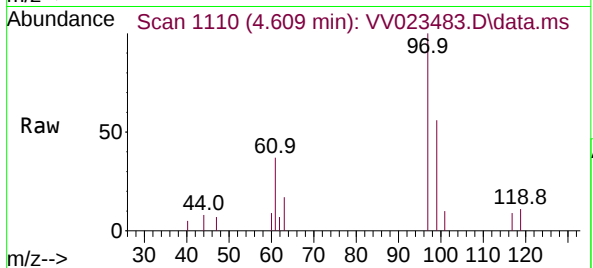
Tgt Ion: 97 Resp: 4416

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

61 44.9 34.1 51.1



#34

Trichloroethene

Concen: 7.656 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.003 min

Lab File: VV023483.D

Acq: 15 Nov 2021 15:31

Tgt Ion: 95 Resp: 68511

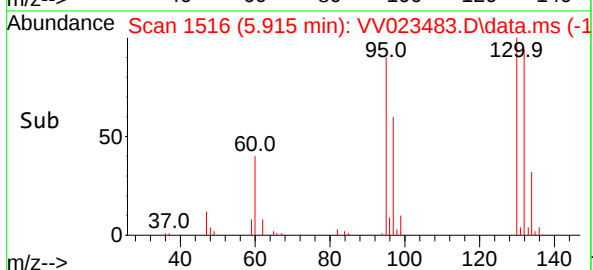
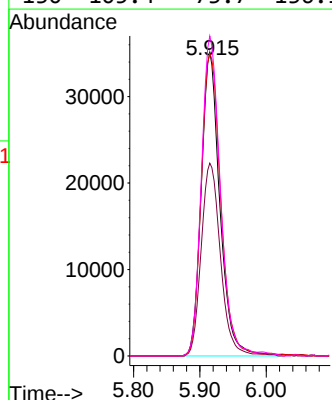
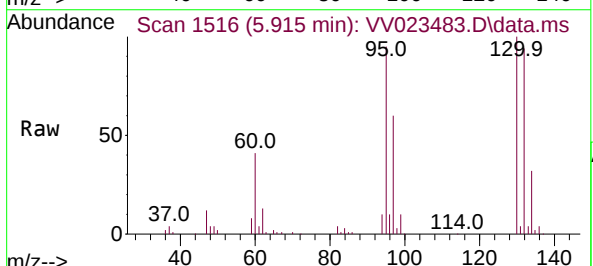
Ion Ratio Lower Upper

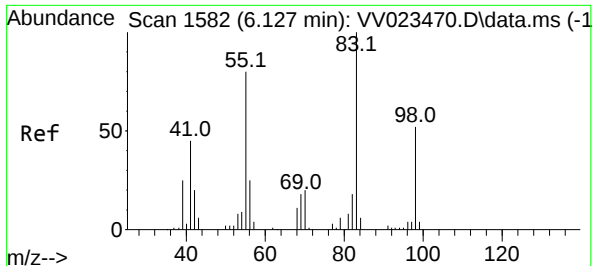
95 100

97 63.5 45.0 83.6

132 99.5 69.7 129.4

130 105.4 73.7 136.9





#35

Methylcyclohexane

Concen: 0.788 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.054 min

Lab File: VV023483.D

Acq: 15 Nov 2021 15:31

Instrument :

MSVOA_V

ClientSampleId :

BG203

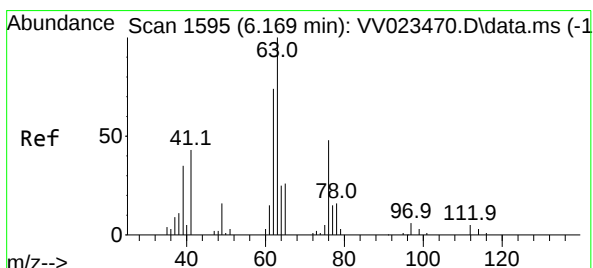
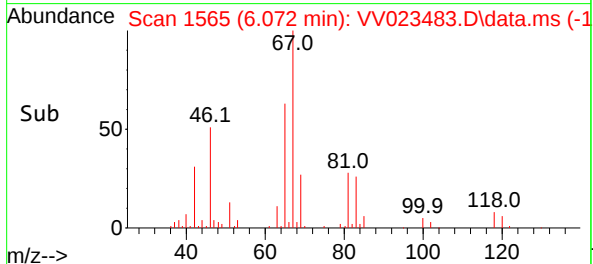
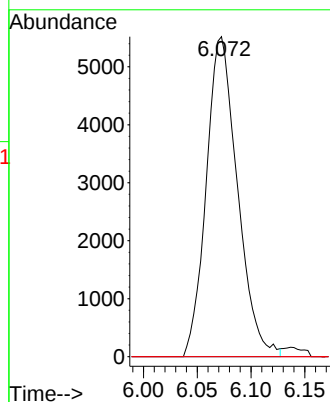
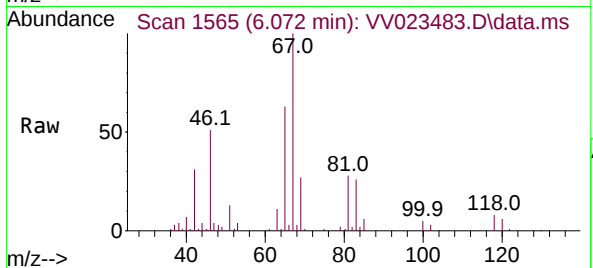
Tgt Ion: 83 Resp: 11134

Ion Ratio Lower Upper

83 100

55 0.2 62.8 94.2#

98 0.0 37.9 56.9#



#37

1,2-Dichloropropane

Concen: 0.652 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.099 min

Lab File: VV023483.D

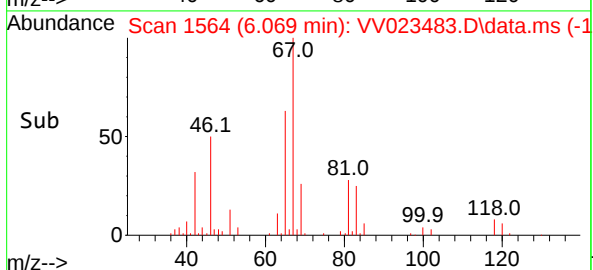
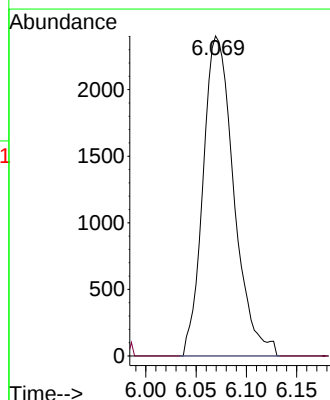
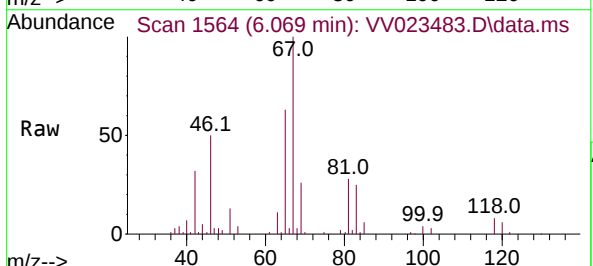
Acq: 15 Nov 2021 15:31

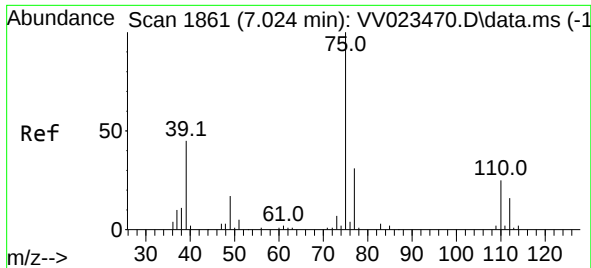
Tgt Ion: 63 Resp: 5122

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV023483.D

Acq: 15 Nov 2021 15:31

Instrument :

MSVOA_V

ClientSampleId :

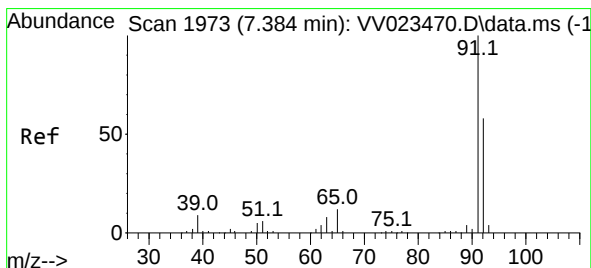
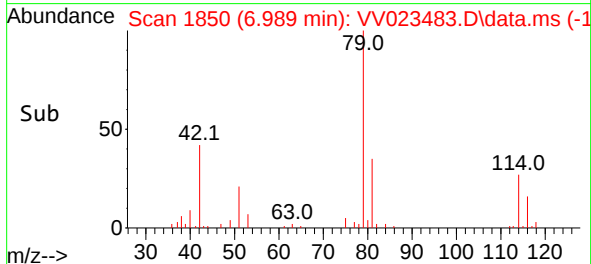
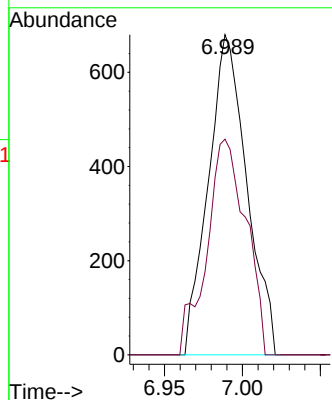
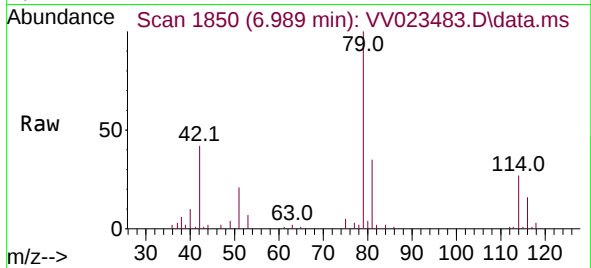
BG203

Tgt Ion: 75 Resp: 1169

Ion Ratio Lower Upper

75 100

77 67.4 21.6 40.2#



#42

Toluene

Concen: 0.060 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.016 min

Lab File: VV023483.D

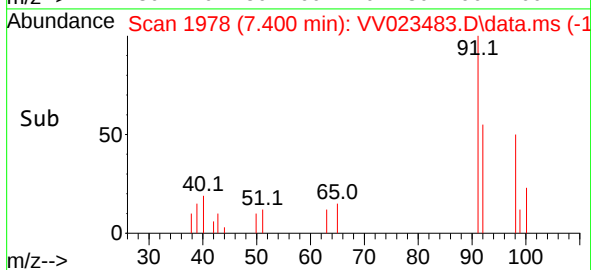
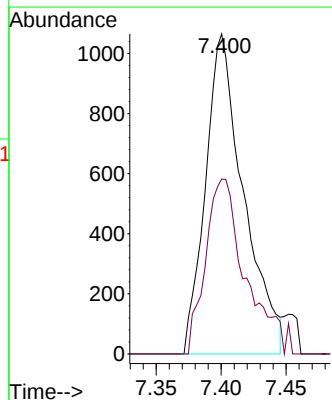
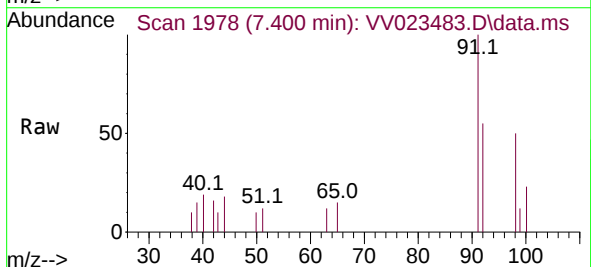
Acq: 15 Nov 2021 15:31

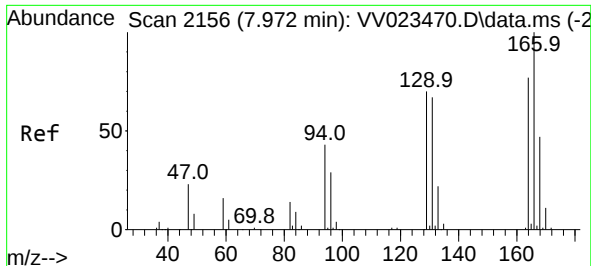
Tgt Ion: 91 Resp: 2171

Ion Ratio Lower Upper

91 100

92 54.6 39.3 72.9





#47

Tetrachloroethene

Concen: 1.114 ug/L

RT: 7.979 min Scan# 2156

Delta R.T. 0.007 min

Lab File: VV023483.D

Acq: 15 Nov 2021 15:31

Instrument :

MSVOA_V

ClientSampleId :

BG203

Tgt Ion:164 Resp: 8642

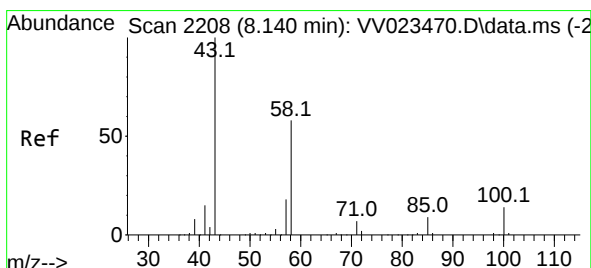
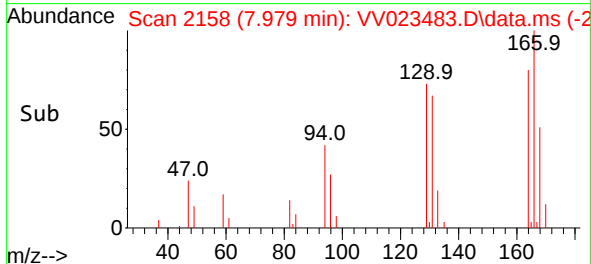
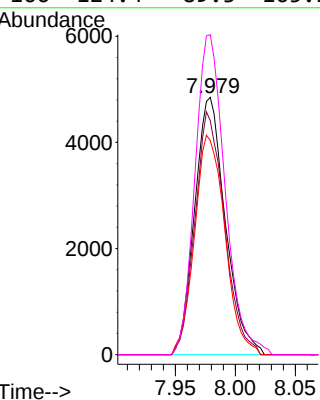
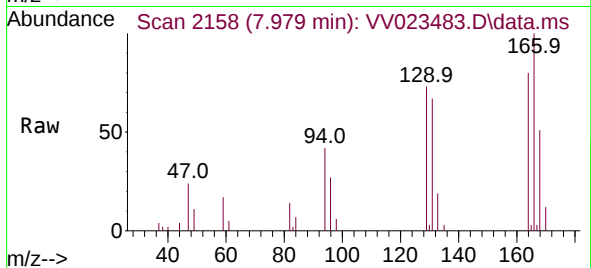
Ion Ratio Lower Upper

164 100

129 90.9 64.0 119.0

131 83.2 63.4 117.8

166 124.4 89.3 165.9



#48

2-Hexanone

Concen: 3.011 ug/L

RT: 8.146 min Scan# 2210

Delta R.T. 0.007 min

Lab File: VV023483.D

Acq: 15 Nov 2021 15:31

Tgt Ion: 43 Resp: 7687

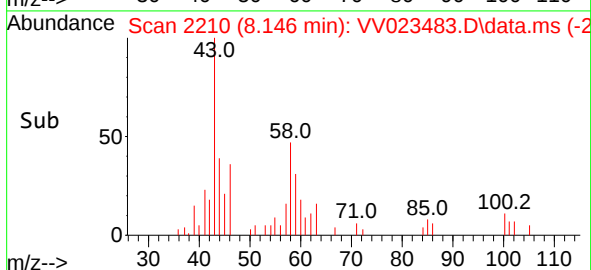
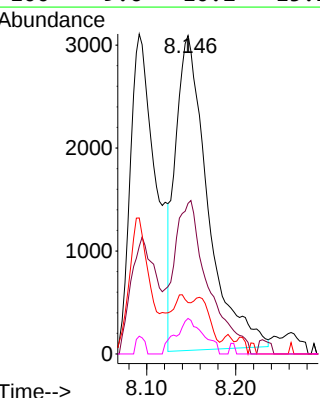
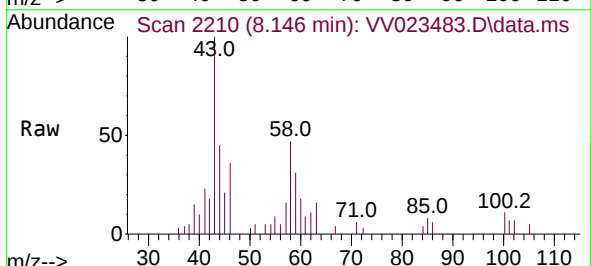
Ion Ratio Lower Upper

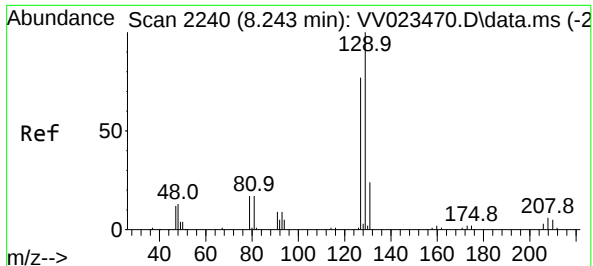
43 100

58 51.1 43.7 65.5

57 2.6 14.1 21.1#

100 9.6 10.2 15.2#





#49

Dibromochloromethane

Concen: 1.092 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV023483.D

Acq: 15 Nov 2021 15:31

Instrument :

MSVOA_V

ClientSampleId :

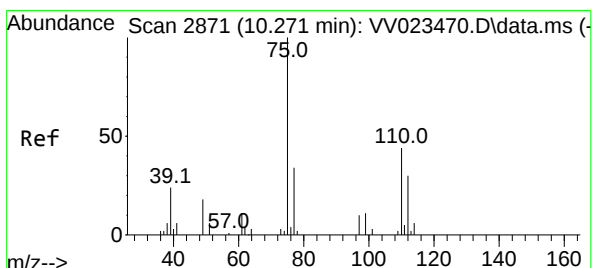
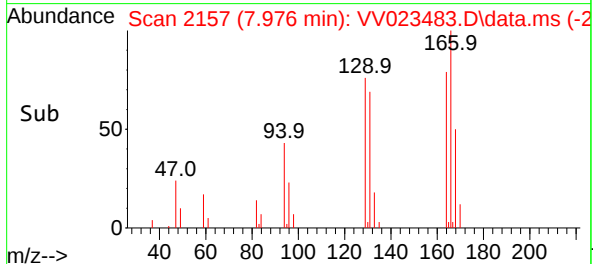
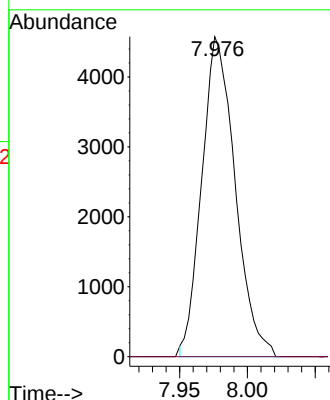
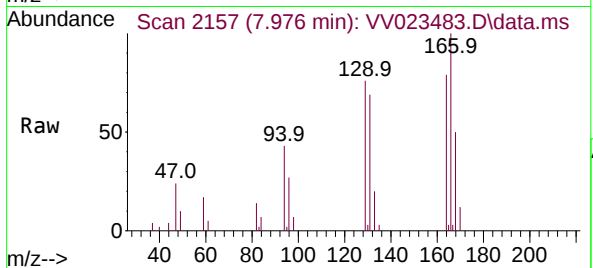
BG203

Tgt Ion:129 Resp: 7809

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.676 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.978 min

Lab File: VV023483.D

Acq: 15 Nov 2021 15:31

Tgt Ion: 75 Resp: 6015

Ion Ratio Lower Upper

75 100

77 31.2 26.6 39.8

110 2.7 31.8 47.6#

