

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102621\
 Data File : VW023045.D
 Acq On : 26 Oct 2021 18:03
 Operator : SY/MD
 Sample : M4277-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA7

Quant Time: Oct 27 01:34:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 27 01:29:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	136530	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	138566	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	60615	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	51995	4.358	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.200%
7) Chloroethane-d5	1.568	69	31006	4.202	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.000%
11) 1,1-Dichloroethene-d2	2.108	63	50320	2.924	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.400%#
20) 2-Butanone-d5	3.886	46	111127	58.067	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.140%
24) Chloroform-d	4.349	84	92780	4.784	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.034	65	46482	5.084	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.053	84	197469	4.881	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
36) 1,2-Dichloropropane-d6	6.072	67	61725	4.956	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.317	98	164291	4.521	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
43) trans-1,3-Dichloroprop...	7.625	79	19722	4.520	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.400%
46) 2-Hexanone-d5	8.091	63	77213	47.796	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.600%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	41720	4.852	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	60209	5.567	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	665	0.071	ug/L	98
5) Vinyl chloride	1.310	62	2761	0.286	ug/L #	62
12) 1,1-Dichloroethene	2.114	96	653	0.093	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	6734	0.404	ug/L	97
18) trans-1,2-Dichloroethene	2.770	96	669	0.090	ug/L	83
19) 1,1-Dichloroethane	3.191	63	2266	0.165	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	152420	18.015	ug/L #	90
25) Chloroform	4.378	83	12667	0.699	ug/L	98
34) Trichloroethene	5.918	95	27613	2.948	ug/L	95
35) Methylcyclohexane	6.069	83	14805	1.104	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	6635	0.706	ug/L #	84
42) Toluene	7.397	91	6471	0.171	ug/L	97
45) 1,1,2-Trichloroethane	7.969	97	1225	0.186	ug/L #	1
47) Tetrachloroethene	7.976	164	143380	18.117	ug/L	98
48) 2-Hexanone	8.146	43	4941	1.504	ug/L #	82
49) Dibromochloromethane	7.976	129	127681	16.320	ug/L #	10
53) m,p-xylene	9.146	106	1507	0.100	ug/L	75
61) 1,2,3-Trichloropropane	11.188	75	665	0.156	ug/L #	38
64) 1,3-Dichlorobenzene	11.185	146	2514	0.156	ug/L	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102621\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 27 01:29:33 2021
Response via : Initial Calibration

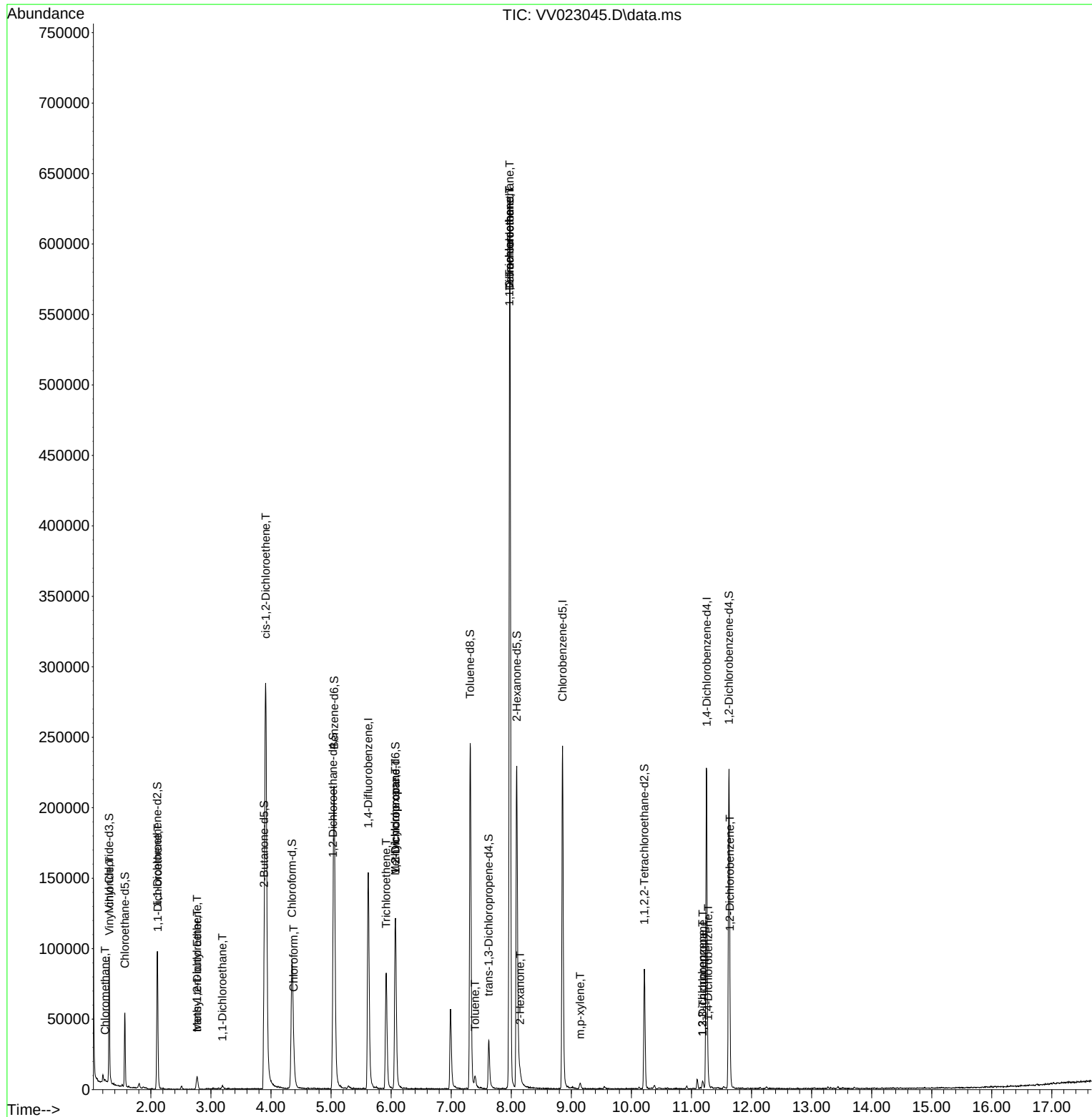
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.278	146	2046	0.125	ug/L	91
67) 1,2-Dichlorobenzene	11.641	146	2276	0.152	ug/L #	91

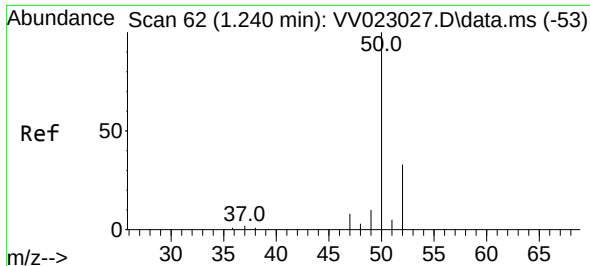
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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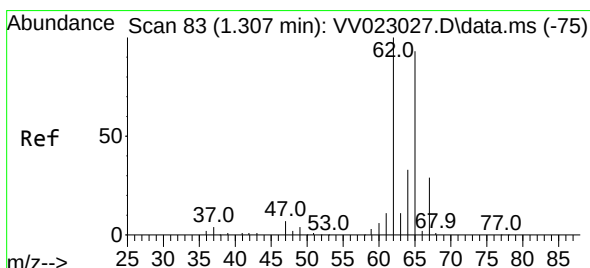
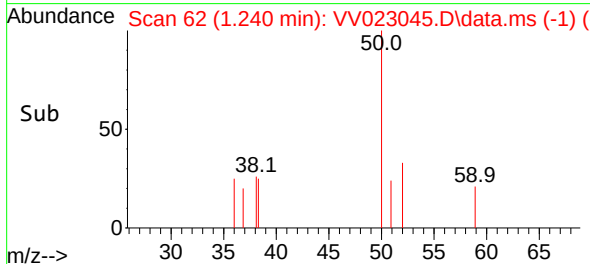
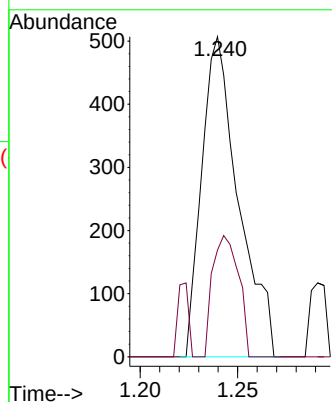
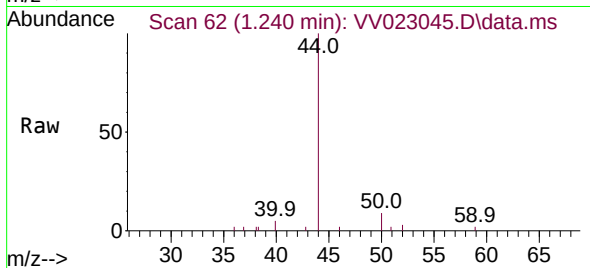




#3
Chloromethane
Concen: 0.071 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

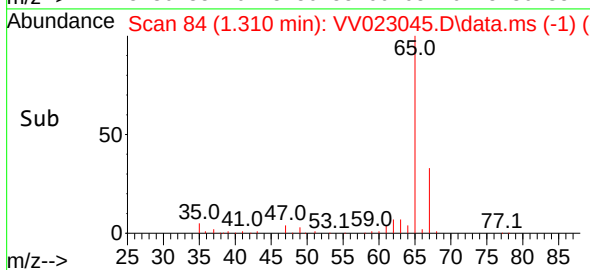
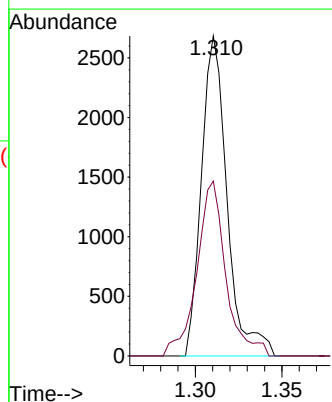
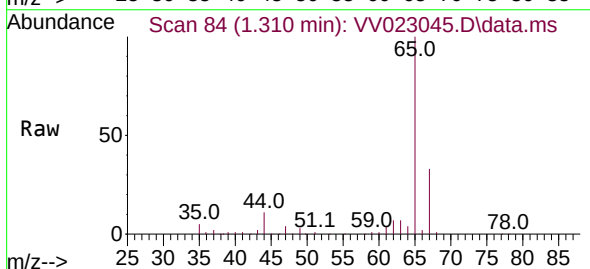
Instrument :
MSVOA_V
ClientSampleId :
BFGA7

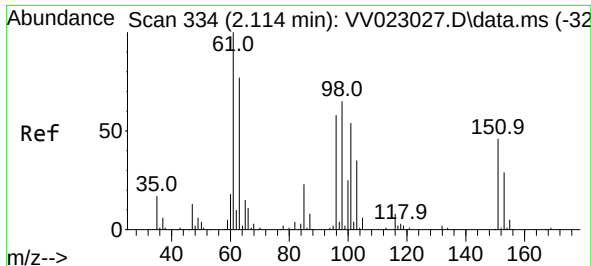
Tgt Ion: 50 Resp: 665
Ion Ratio Lower Upper
50 100
52 33.3 24.3 45.1



#5
Vinyl chloride
Concen: 0.286 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

Tgt Ion: 62 Resp: 2761
Ion Ratio Lower Upper
62 100
64 54.6 23.1 42.9#





#12

1,1-Dichloroethene

Concen: 0.093 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV023045.D

Acq: 26 Oct 2021 18:03

Instrument :

MSVOA_V

ClientSampleId :

BFGA7

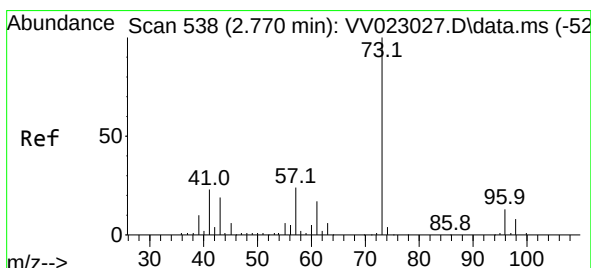
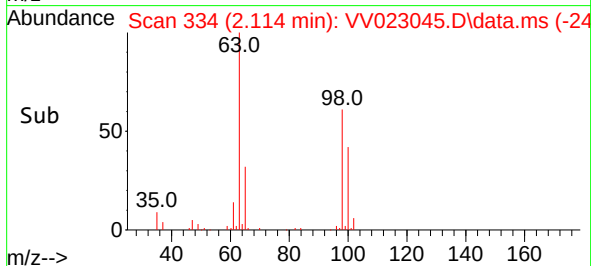
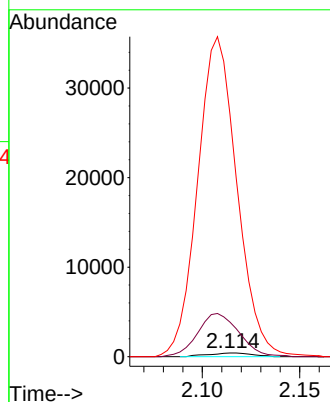
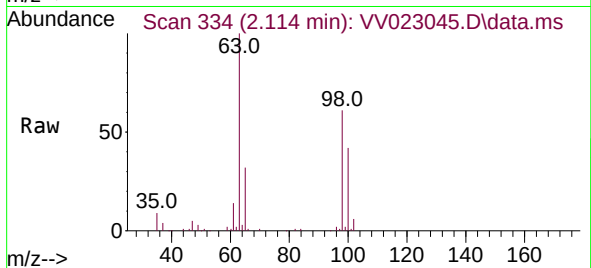
Tgt Ion: 96 Resp: 653

Ion Ratio Lower Upper

96 100

61 919.5 121.5 225.7#

63 6430.4 99.6 185.0#



#17

Methyl tert-butyl Ether

Concen: 0.404 ug/L

RT: 2.770 min Scan# 538

Delta R.T. -0.000 min

Lab File: VV023045.D

Acq: 26 Oct 2021 18:03

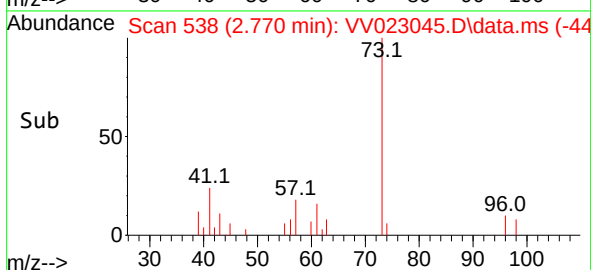
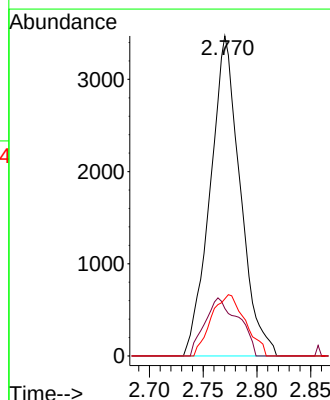
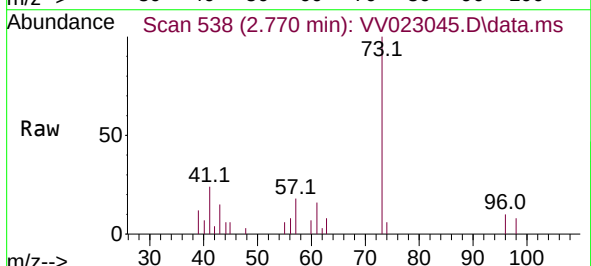
Tgt Ion: 73 Resp: 6734

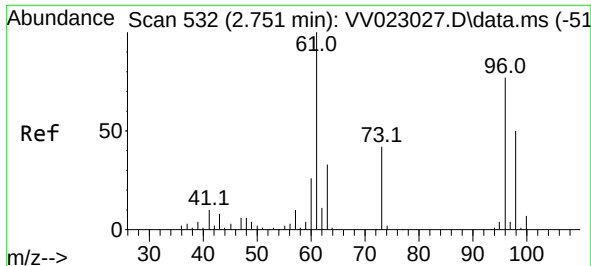
Ion Ratio Lower Upper

73 100

43 20.3 17.4 26.0

57 21.8 16.5 24.7

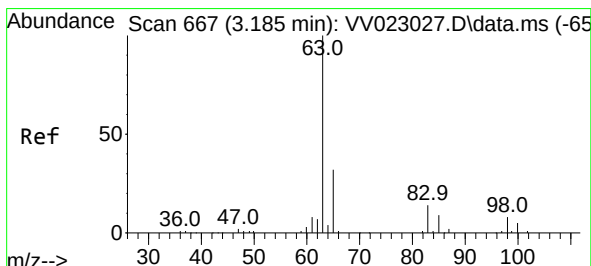
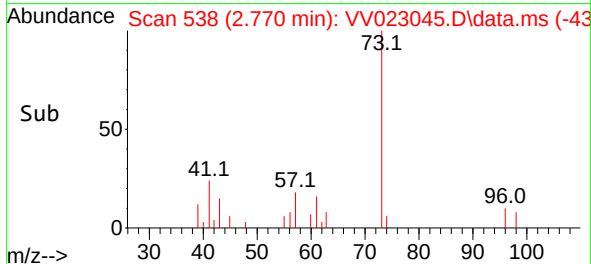
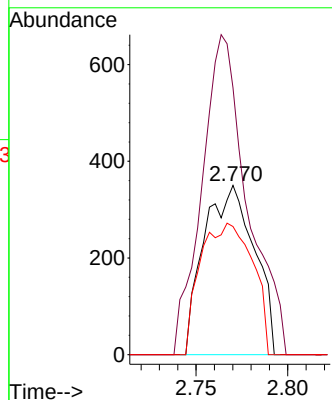
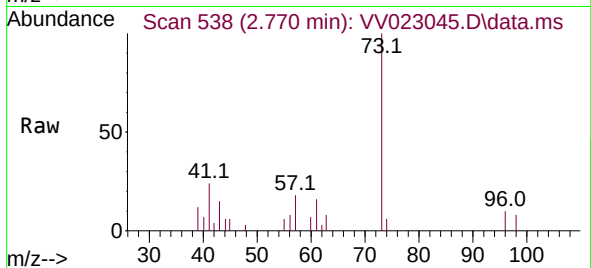




#18
trans-1,2-Dichloroethene
Concen: 0.090 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.019 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

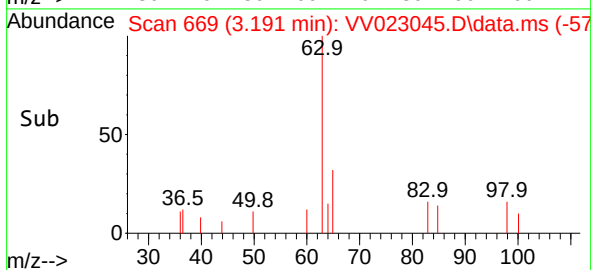
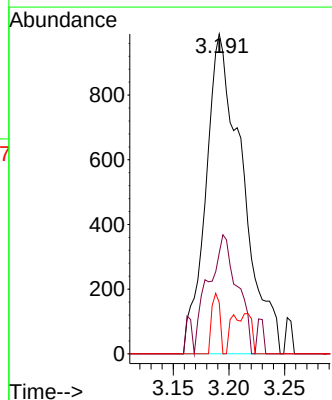
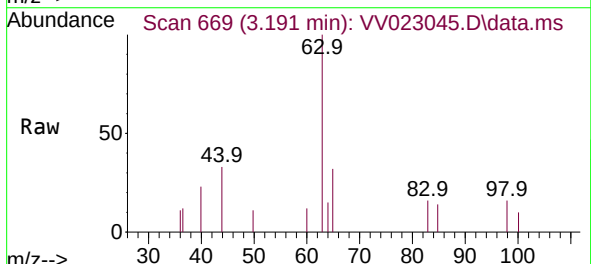
Instrument :
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BFGA7

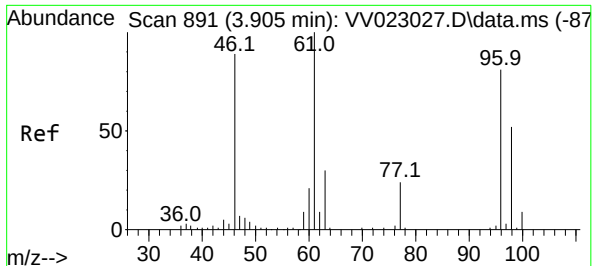
Tgt Ion: 96 Resp: 669
Ion Ratio Lower Upper
96 100
61 157.7 93.2 173.2
98 75.7 47.0 87.2



#19
1,1-Dichloroethane
Concen: 0.165 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.006 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

Tgt Ion: 63 Resp: 2266
Ion Ratio Lower Upper
63 100
65 31.5 22.6 42.0
83 16.0 11.1 20.7





#22

cis-1,2-Dichloroethene

Concen: 18.015 ug/L

RT: 3.912 min Scan# 891

Delta R.T. 0.006 min

Lab File: VV023045.D

Acq: 26 Oct 2021 18:03

Instrument :

MSVOA_V

ClientSampleId :

BFGA7

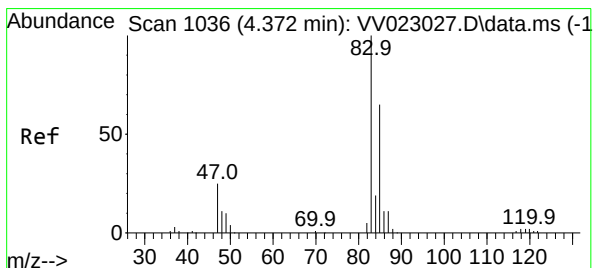
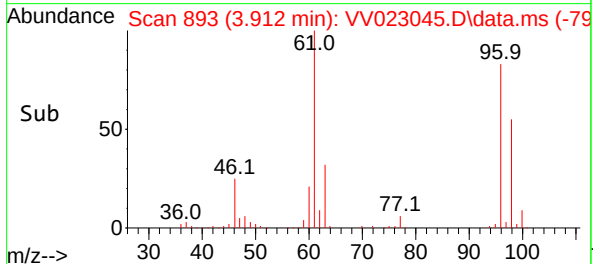
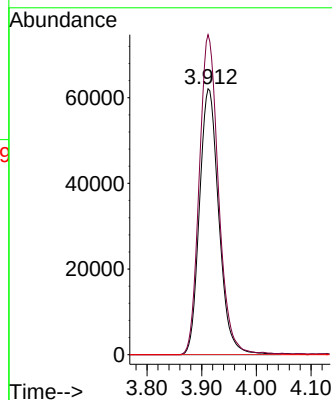
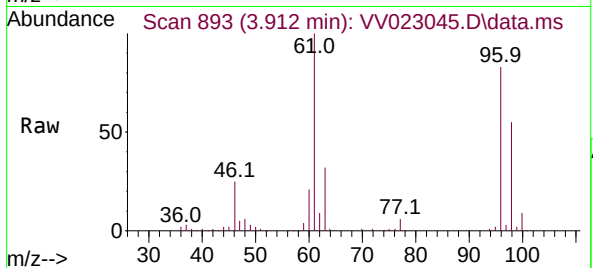
Tgt Ion: 96 Resp: 152420

Ion Ratio Lower Upper

96 100

61 120.3 92.3 171.3

68 0.0 0.4 0.8#



#25

Chloroform

Concen: 0.699 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VV023045.D

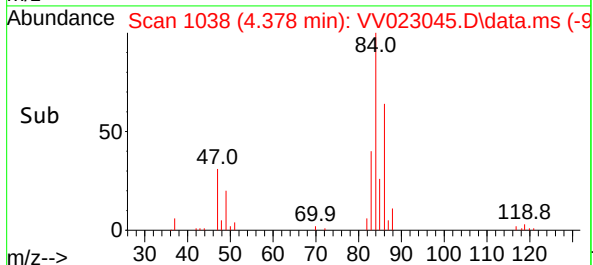
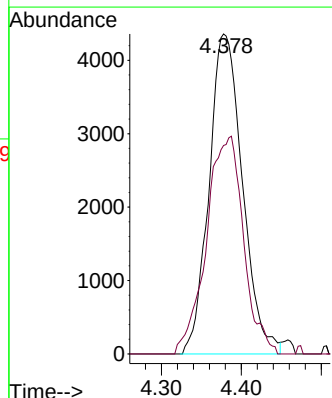
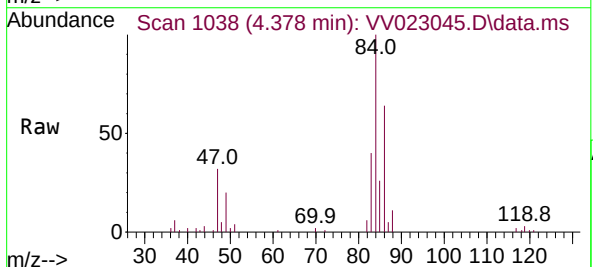
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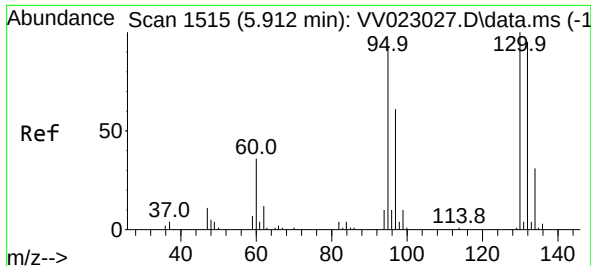
Tgt Ion: 83 Resp: 12667

Ion Ratio Lower Upper

83 100

85 65.1 46.8 86.8

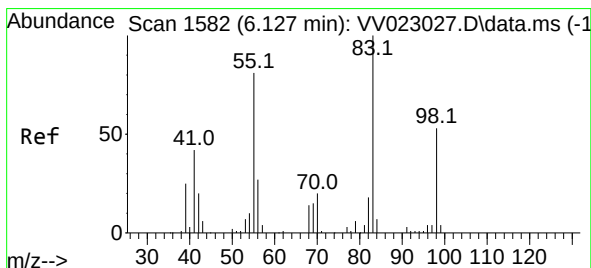
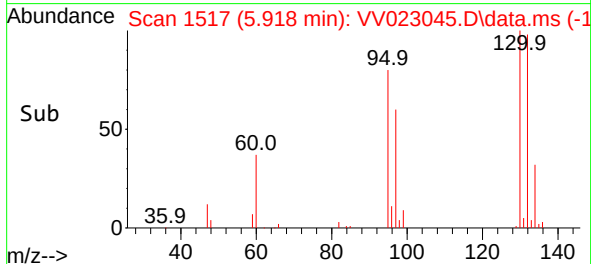
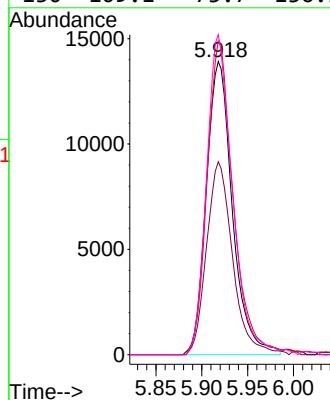
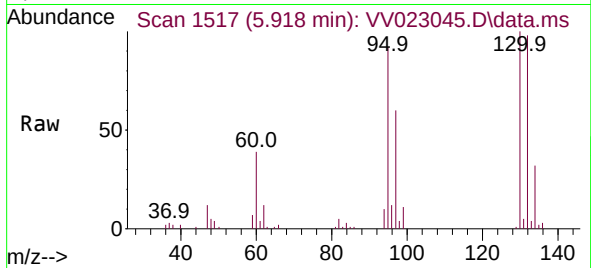




#34
Trichloroethene
Concen: 2.948 ug/L
RT: 5.918 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

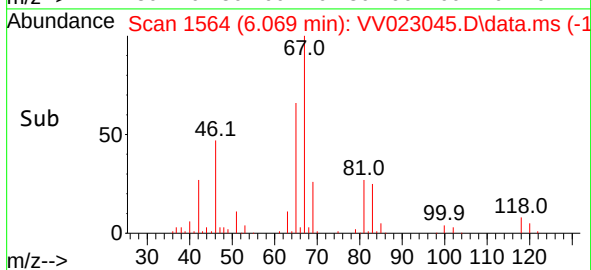
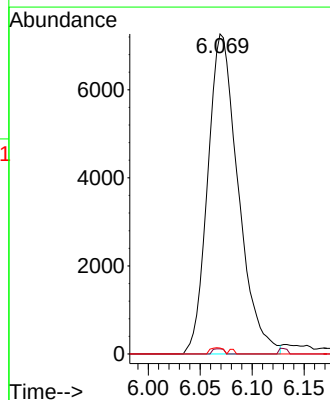
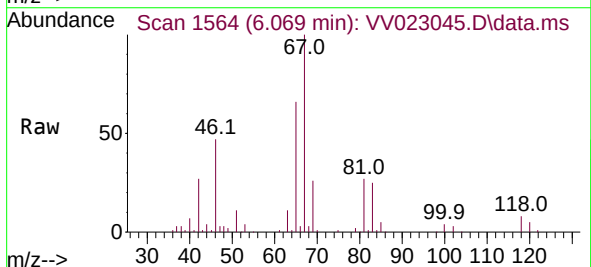
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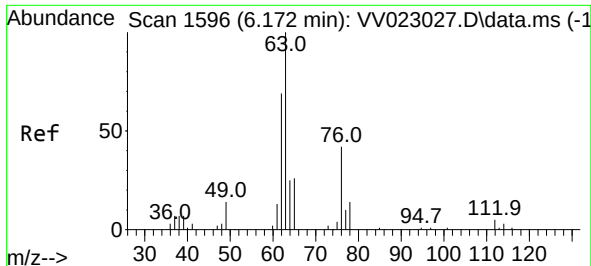
Tgt Ion: 95 Resp: 27613
Ion Ratio Lower Upper
95 100
97 65.8 45.0 83.6
132 107.0 69.7 129.4
130 109.1 73.7 136.9



#35
Methylcyclohexane
Concen: 1.104 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

Tgt Ion: 83 Resp: 14805
Ion Ratio Lower Upper
83 100
55 0.6 62.8 94.2#
98 0.8 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.706 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV023045.D

Acq: 26 Oct 2021 18:03

Instrument :

MSVOA_V

ClientSampleId :

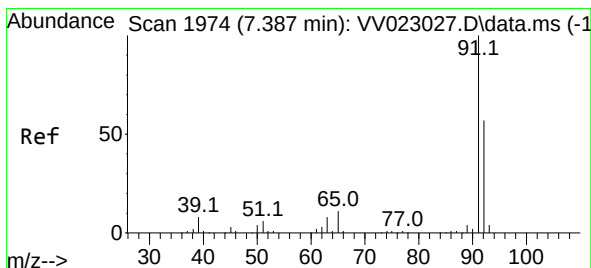
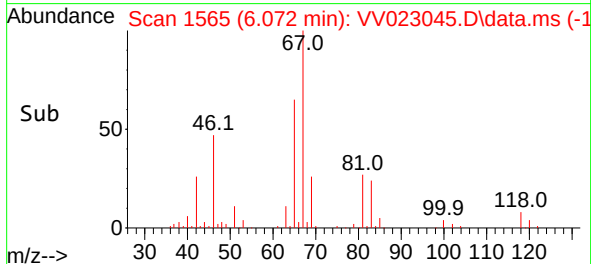
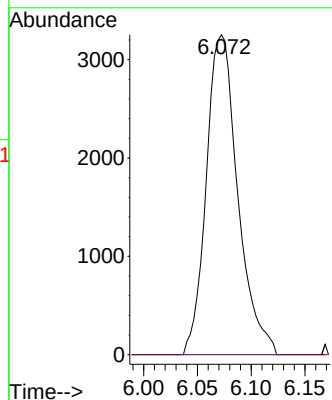
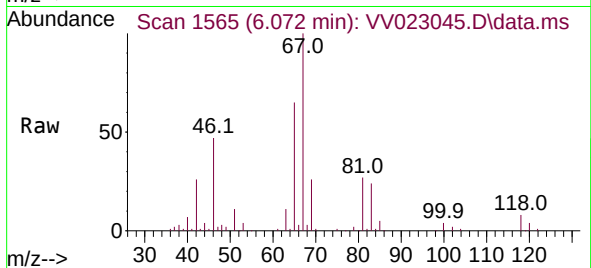
BFGA7

Tgt Ion: 63 Resp: 6635

Ion Ratio Lower Upper

63 100

112 0.3 4.6 6.8#



#42

Toluene

Concen: 0.171 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.009 min

Lab File: VV023045.D

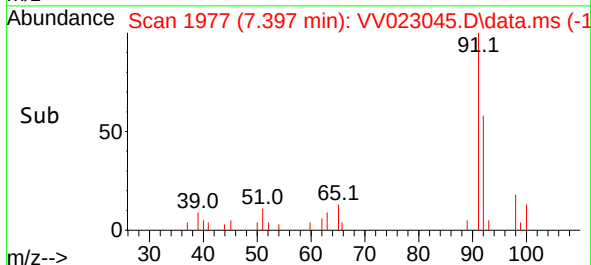
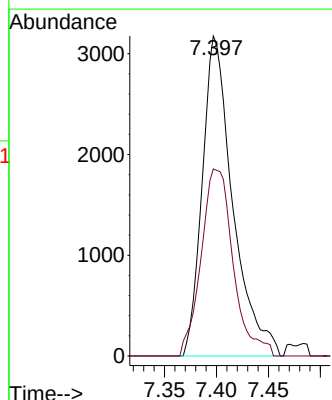
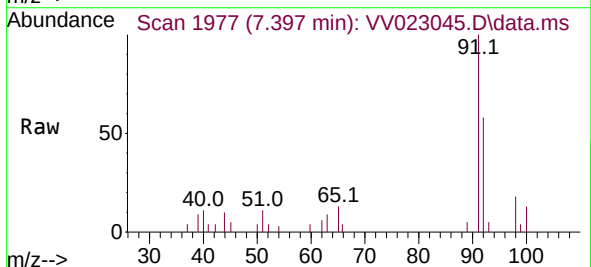
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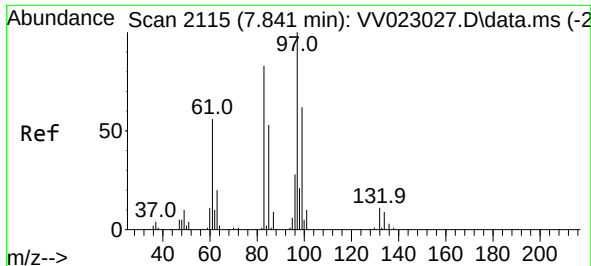
Tgt Ion: 91 Resp: 6471

Ion Ratio Lower Upper

91 100

92 58.5 39.3 72.9

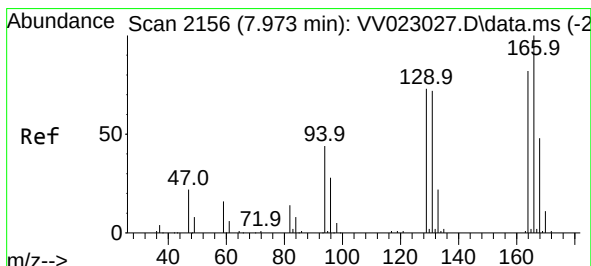
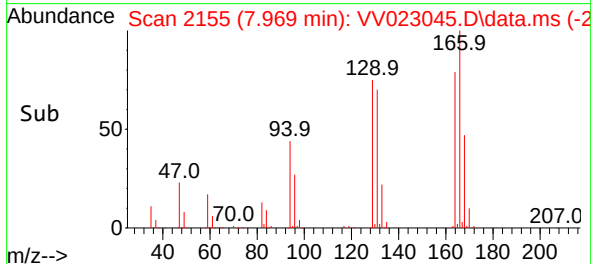
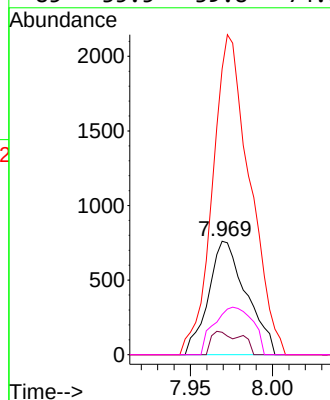
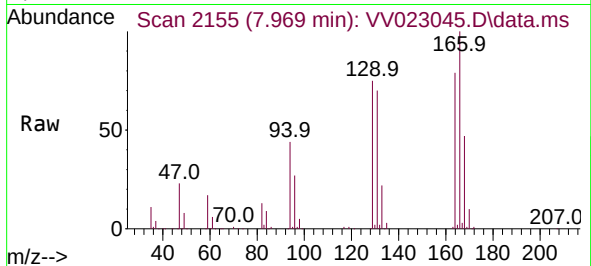




#45
1,1,2-Trichloroethane
Concen: 0.186 ug/L
RT: 7.969 min Scan# 2115
Delta R.T. 0.128 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

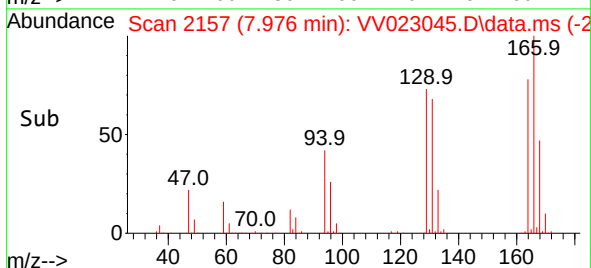
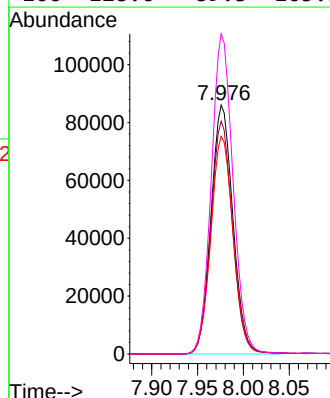
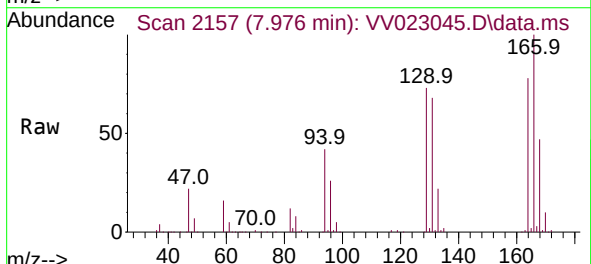
Instrument :
MSVOA_V
ClientSampleId :
BFGA7

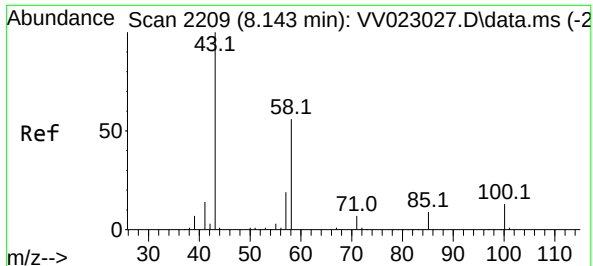
Tgt Ion: 97	Resp: 1225
Ion Ratio	Lower Upper
97	100
99	19.7 43.6 81.0#
83	251.8 58.4 108.4#
85	35.5 39.8 74.0#



#47
Tetrachloroethene
Concen: 18.117 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

Tgt Ion: 164	Resp: 143380
Ion Ratio	Lower Upper
164	100
129	93.5 64.0 119.0
131	87.5 63.4 117.8
166	128.6 89.3 165.9

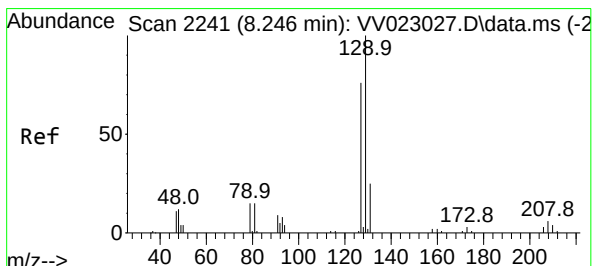
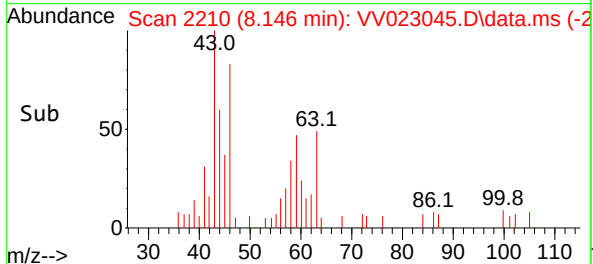
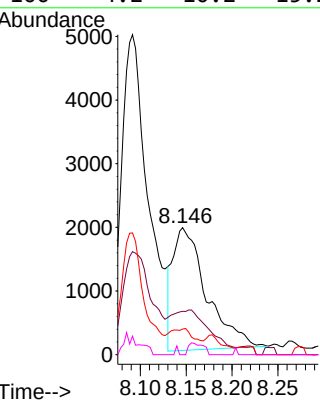
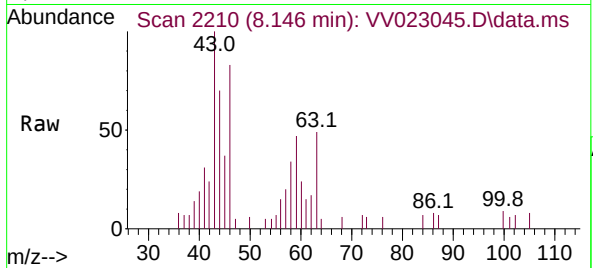




#48
2-Hexanone
Concen: 1.504 ug/L
RT: 8.146 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

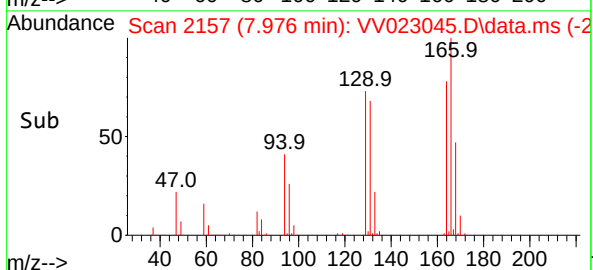
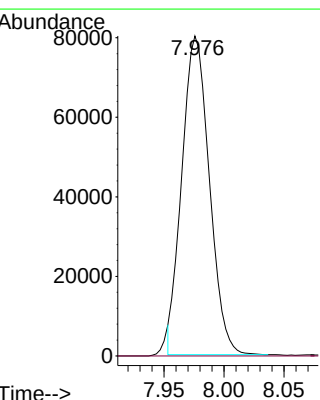
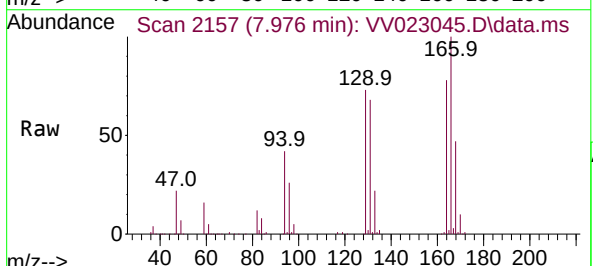
Instrument :
MSVOA_V
ClientSampleId :
BFGA7

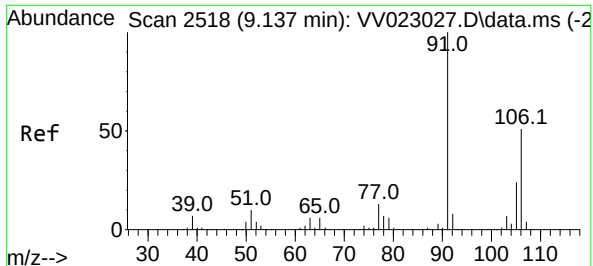
Tgt Ion: 43	Resp: 4941
Ion Ratio	Lower Upper
43	100
58	40.5 43.7 65.5#
57	13.4 14.1 21.1#
100	4.2 10.2 15.2#



#49
Dibromochloromethane
Concen: 16.320 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

Tgt Ion: 129	Resp: 127681
Ion Ratio	Lower Upper
129	100
127	0.0 54.7 101.7#

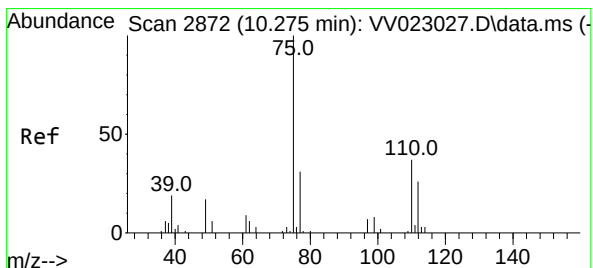
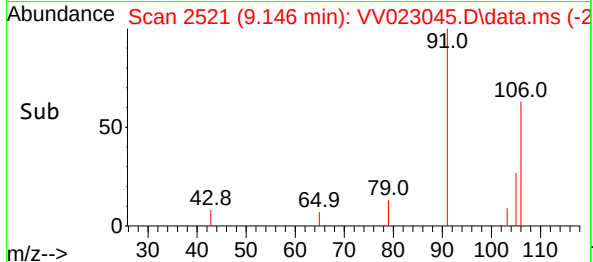
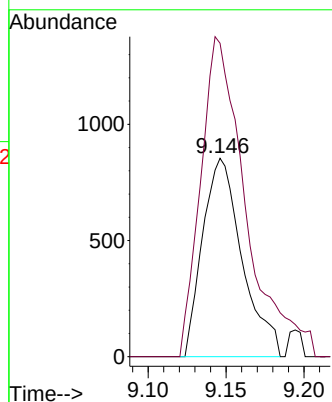
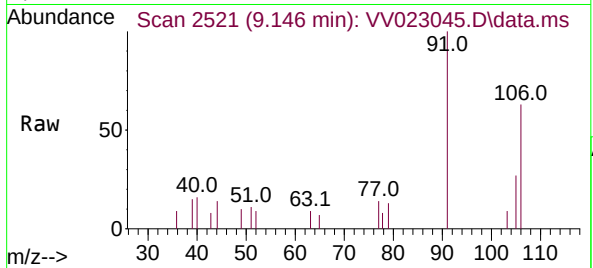




#53
 m,p-xylene
 Concen: 0.100 ug/L
 RT: 9.146 min Scan# 2156
 Delta R.T. 0.009 min
 Lab File: VV023045.D
 Acq: 26 Oct 2021 18:03

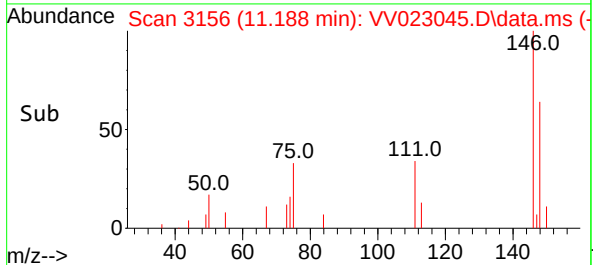
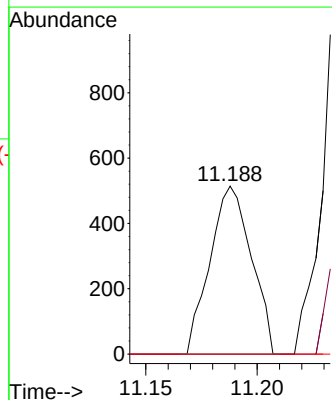
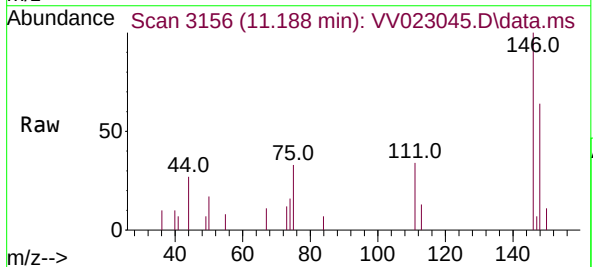
Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA7

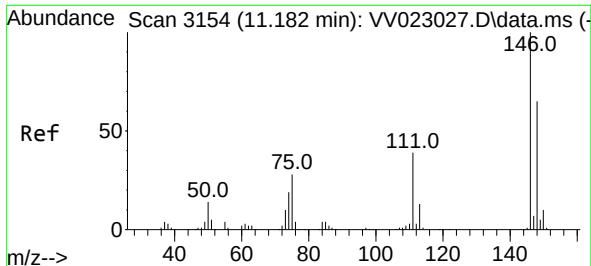
Tgt Ion:106 Resp: 1507
 Ion Ratio Lower Upper
 106 100
 91 158.0 137.2 254.8



#61
 1,2,3-Trichloropropane
 Concen: 0.156 ug/L
 RT: 11.188 min Scan# 3156
 Delta R.T. 0.913 min
 Lab File: VV023045.D
 Acq: 26 Oct 2021 18:03

Tgt Ion: 75 Resp: 665
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.6 39.8#
 110 0.0 31.8 47.6#

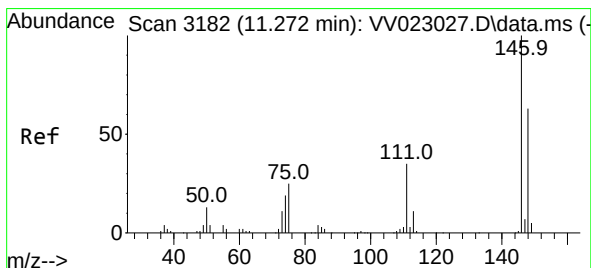
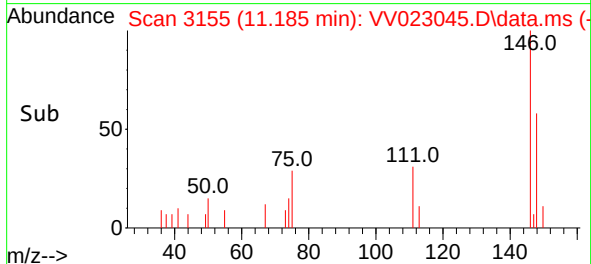
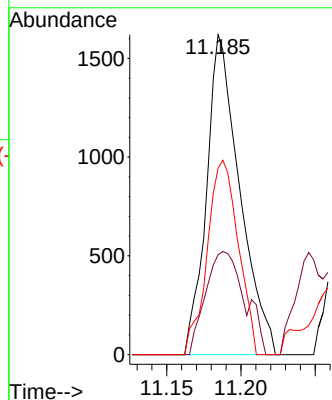
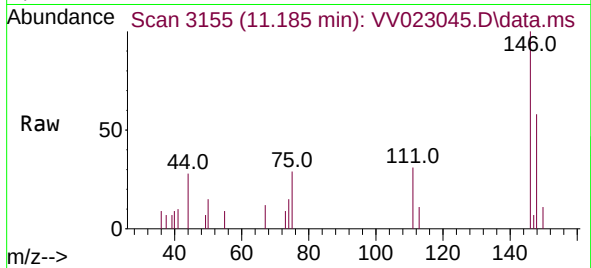




#64
1,3-Dichlorobenzene
Concen: 0.156 ug/L
RT: 11.185 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

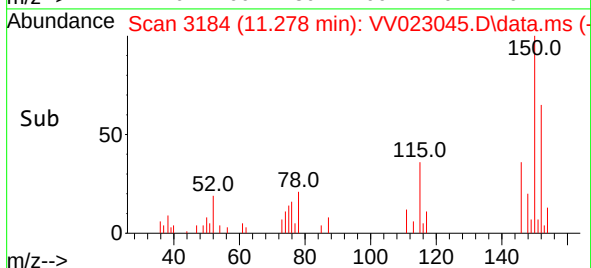
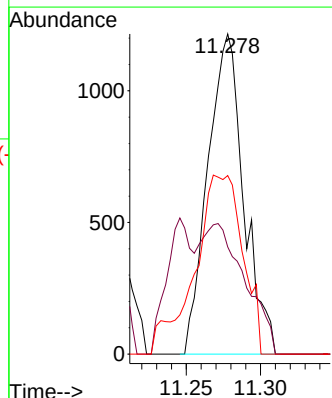
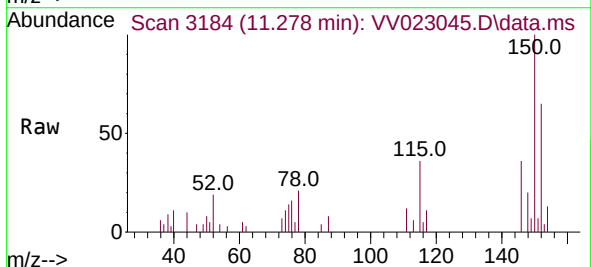
Instrument :
MSVOA_V
ClientSampleId :
BFGA7

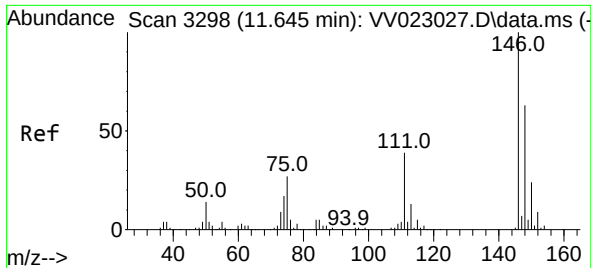
Tgt Ion:146 Resp: 2514
Ion Ratio Lower Upper
146 100
111 31.2 26.7 49.7
148 58.3 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 0.125 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.006 min
Lab File: VV023045.D
Acq: 26 Oct 2021 18:03

Tgt Ion:146 Resp: 2046
Ion Ratio Lower Upper
146 100
111 33.5 26.2 48.8
148 55.8 44.4 82.5





#67
 1,2-Dichlorobenzene
 Concen: 0.152 ug/L
 RT: 11.641 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV023045.D
 Acq: 26 Oct 2021 18:03

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA7

Tgt Ion:146 Resp: 2276
 Ion Ratio Lower Upper
 146 100
 111 49.8 31.6 47.4#
 148 66.5 51.0 76.6

