

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VW022877.D
 Acq On : 18 Oct 2021 19:27
 Operator : SY/MD
 Sample : M4200-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGE4

Quant Time: Oct 19 01:46:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 19 01:43:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	118297	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	121159	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	58549	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	35137	4.317	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.400%
7) Chloroethane-d5	1.564	69	29362	4.015	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.200%
11) 1,1-Dichloroethene-d2	2.105	63	51781	3.243	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.800%
20) 2-Butanone-d5	3.892	46	113473	53.172	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.340%
24) Chloroform-d	4.352	84	94428	5.630	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.600%
26) 1,2-Dichloroethane-d4	5.034	65	44172	5.426	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.600%
32) Benzene-d6	5.053	84	182623	5.063	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.072	67	57651	5.397	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.000%
41) Toluene-d8	7.317	98	150634	4.831	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
43) trans-1,3-Dichloroprop...	7.625	79	18164	5.126	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.600%
46) 2-Hexanone-d5	8.091	63	90478	63.362	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.720%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	42577	5.884	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	62002	5.712	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	635	0.073	ug/L	97
5) Vinyl chloride	1.307	62	8137	0.909	ug/L	92
12) 1,1-Dichloroethene	2.117	96	1336	0.187	ug/L #	1
13) Acetone	2.188	43	110520	92.873	ug/L #	42
14) Carbon disulfide	2.294	76	3250	0.162	ug/L	100
15) Methyl Acetate	2.378	43	34527	10.140	ug/L #	50
17) Methyl tert-butyl Ether	2.770	73	16963	0.981	ug/L #	93
18) trans-1,2-Dichloroethene	2.764	96	8655	1.114	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	579605	71.032	ug/L	97
35) Methylcyclohexane	6.072	83	14218	1.144	ug/L #	16
37) 1,2-Dichloropropane	6.069	63	6297	0.802	ug/L #	84
42) Toluene	7.391	91	119758	3.615	ug/L	97
48) 2-Hexanone	8.091	43	10144	3.290	ug/L #	71
52) Ethylbenzene	9.021	91	1974	0.059	ug/L	99
53) m,p-xylene	9.146	106	2330	0.177	ug/L	97
54) o-xylene	9.558	106	1035	0.083	ug/L	88
61) 1,2,3-Trichloropropane	11.191	75	1173	0.288	ug/L #	64
63) 1,2,4-Trimethylbenzene	10.921	105	2082	0.087	ug/L	95
64) 1,3-Dichlorobenzene	11.188	146	3999	0.256	ug/L	88

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 19 01:43:03 2021
Response via : Initial Calibration

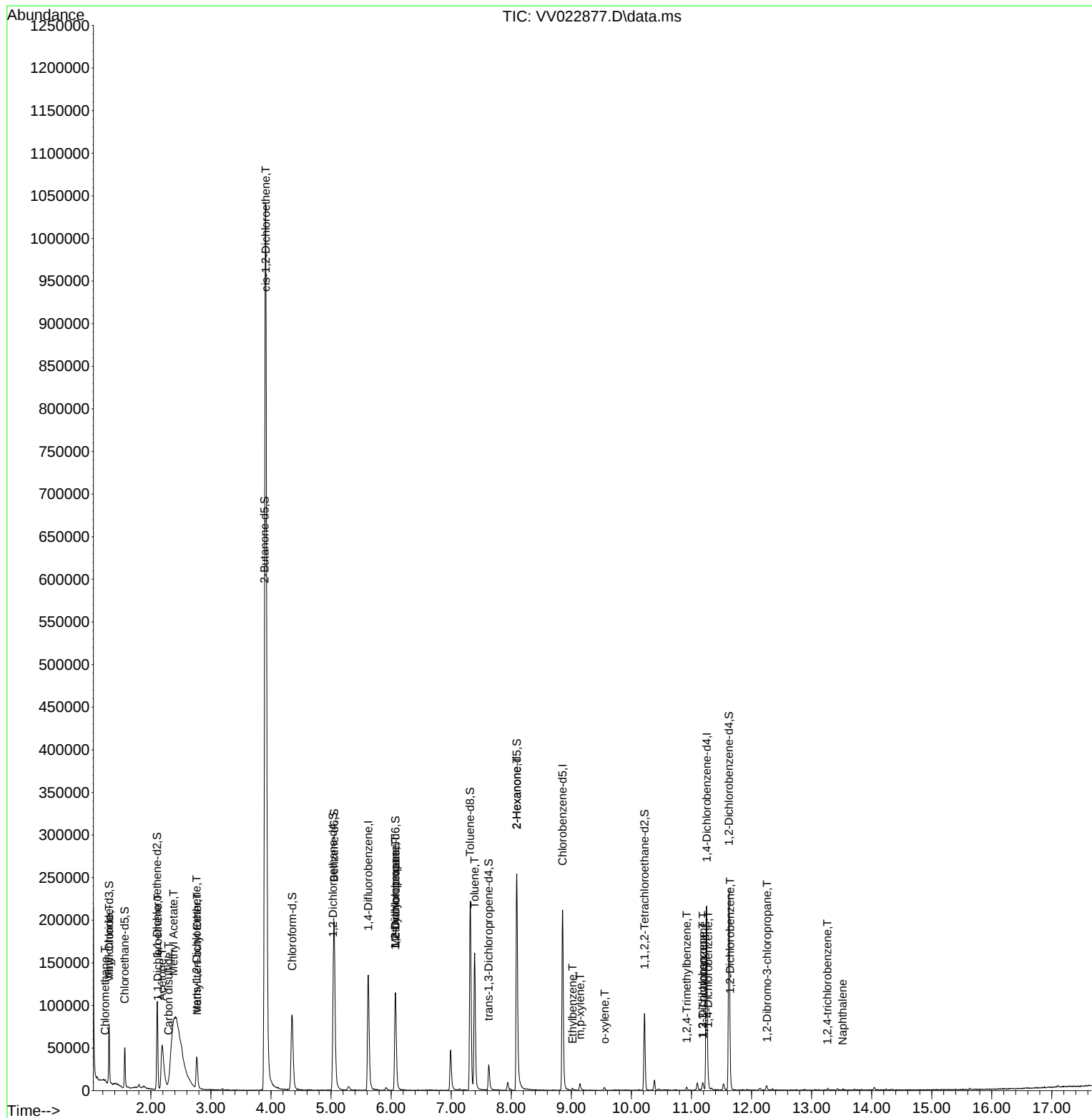
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.278	146	4764	0.301	ug/L	90
67) 1,2-Dichlorobenzene	11.644	146	4062	0.277	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.259	75	118	0.159	ug/L #	1
70) 1,2,4-trichlorobenzene	13.262	180	671	0.075	ug/L	95
71) Naphthalene	13.516	128	1093	0.077	ug/L #	68

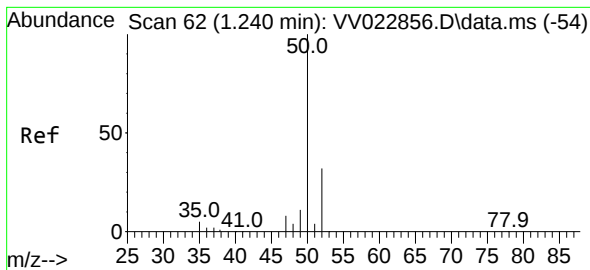
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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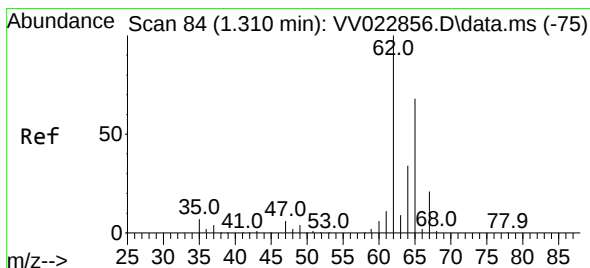
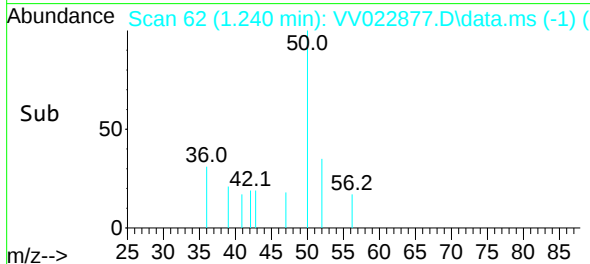
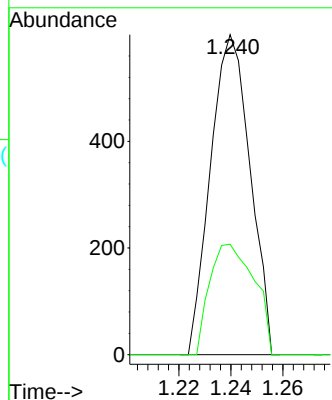
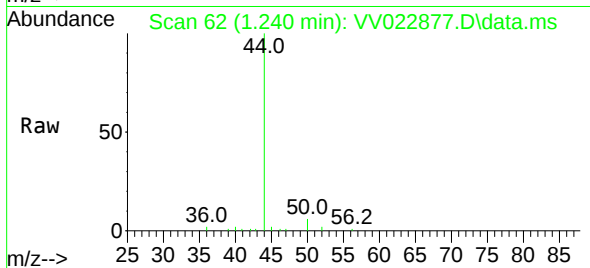




#3
Chloromethane
Concen: 0.073 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.000 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

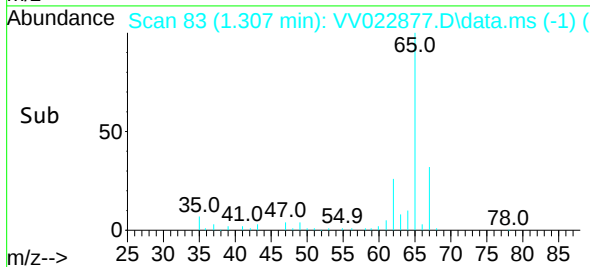
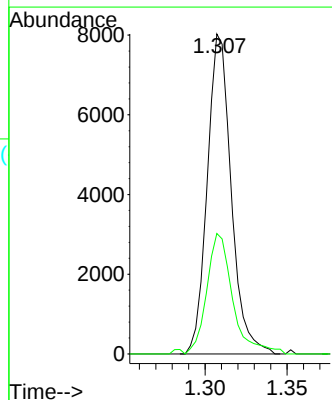
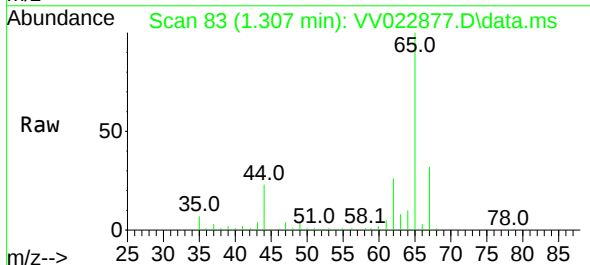
Instrument :
MSVOA_V
ClientSampleId :
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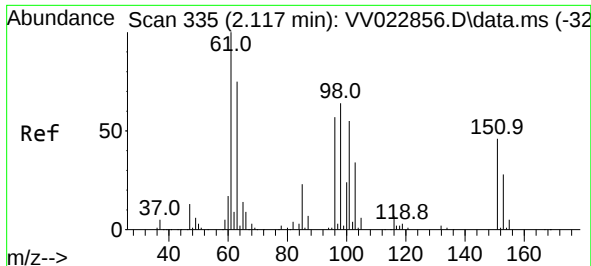
Tgt Ion: 50 Resp: 635
Ion Ratio Lower Upper
50 100
52 34.5 22.9 42.5



#5
Vinyl chloride
Concen: 0.909 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.003 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Tgt Ion: 62 Resp: 8137
Ion Ratio Lower Upper
62 100
64 37.7 23.0 42.8

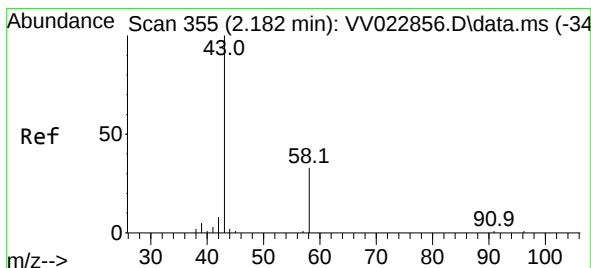
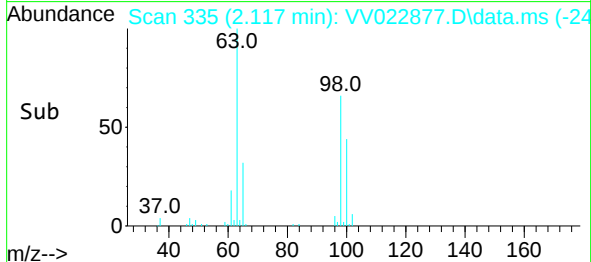
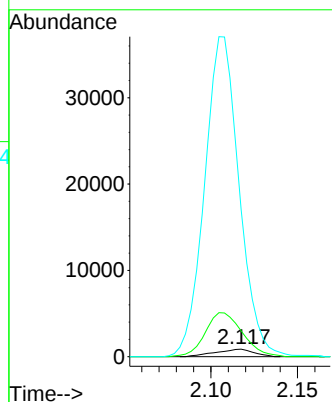
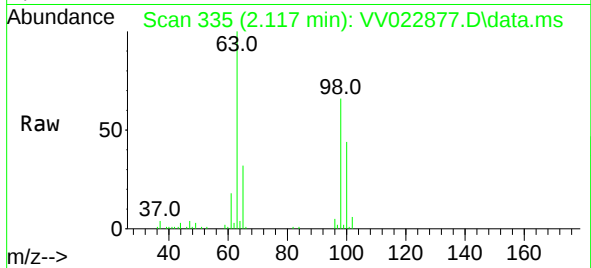




#12
1,1-Dichloroethene
Concen: 0.187 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

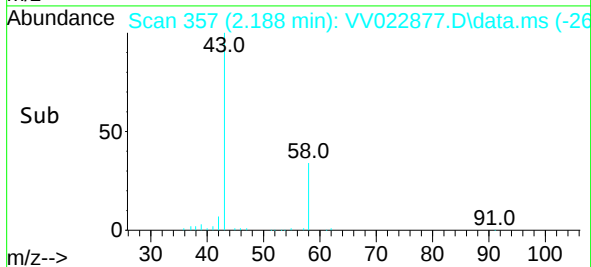
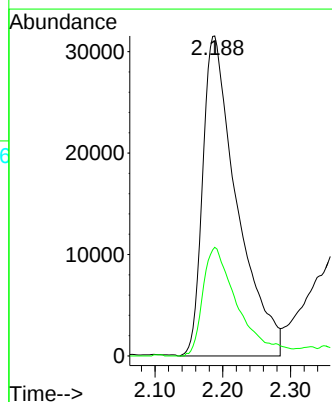
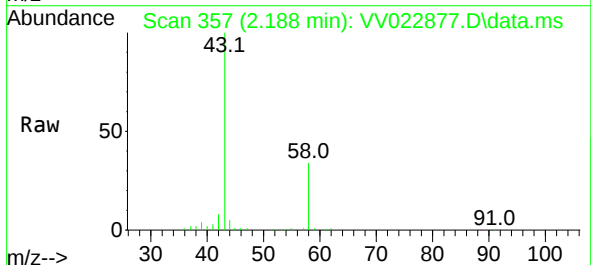
Instrument :
MSVOA_V
ClientSampled :
BFGE4

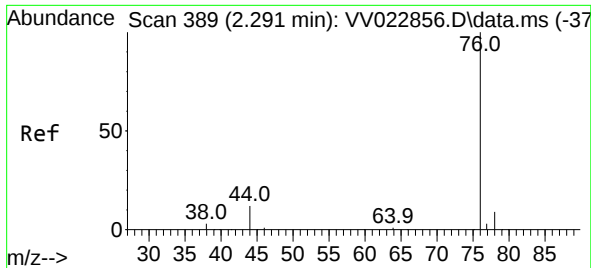
Tgt Ion: 96 Resp: 1336
Ion Ratio Lower Upper
96 100
61 343.5 127.3 236.5#
63 1951.4 106.2 197.2#



#13
Acetone
Concen: 92.873 ug/L
RT: 2.188 min Scan# 357
Delta R.T. 0.006 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

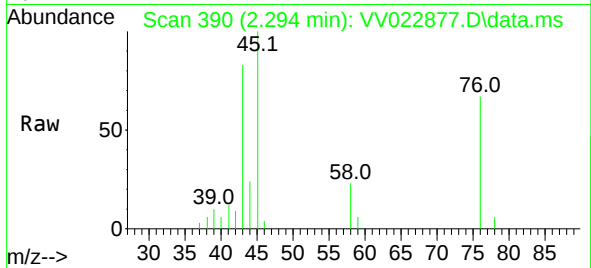
Tgt Ion: 43 Resp: 110520
Ion Ratio Lower Upper
43 100
58 34.8 0.0 24.2#



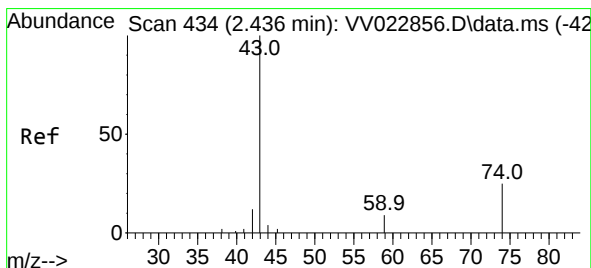
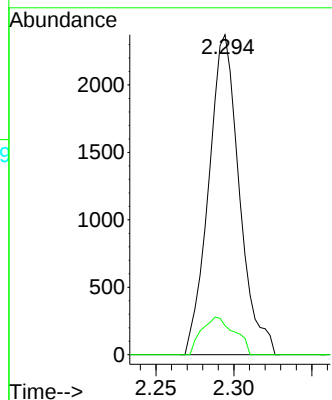
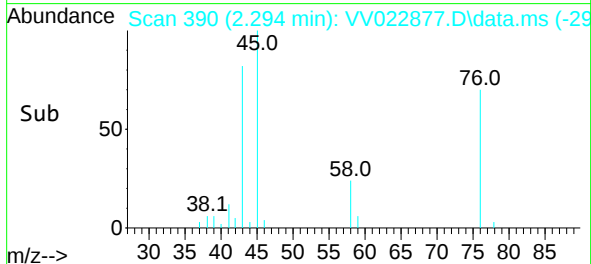


#14
Carbon disulfide
Concen: 0.162 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.003 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

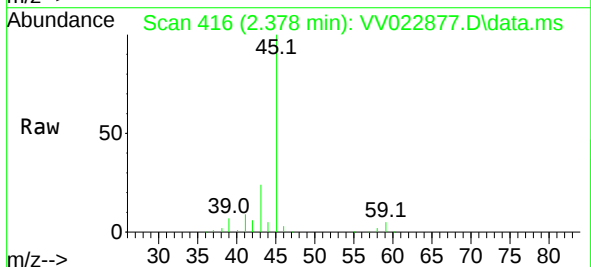
Instrument :
MSVOA_V
ClientSampleId :
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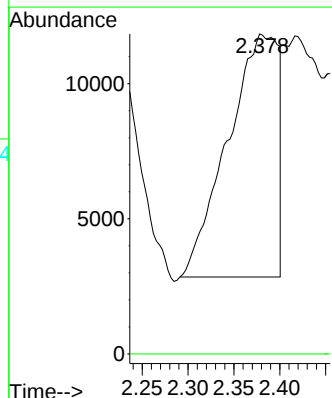
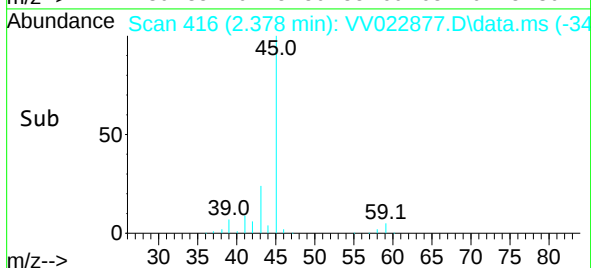
Tgt Ion: 76 Resp: 3250
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

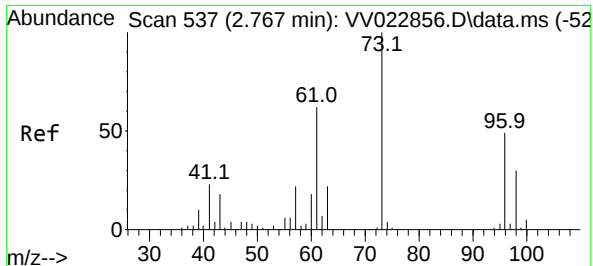


#15
Methyl Acetate
Concen: 10.140 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.058 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27



Tgt Ion: 43 Resp: 34527
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#



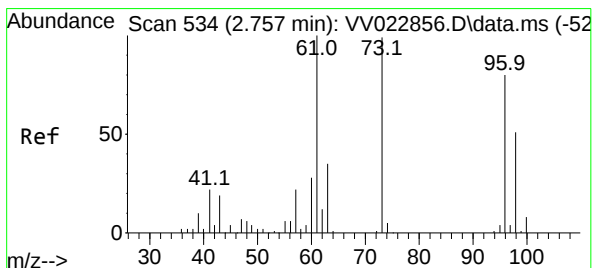
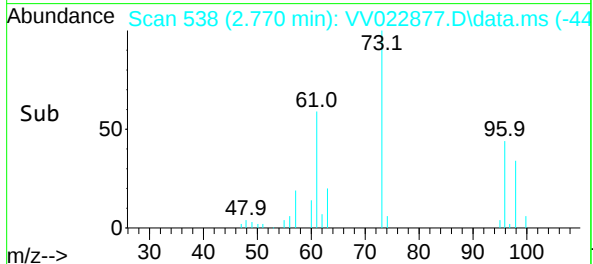
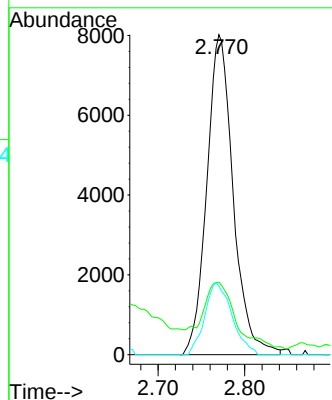
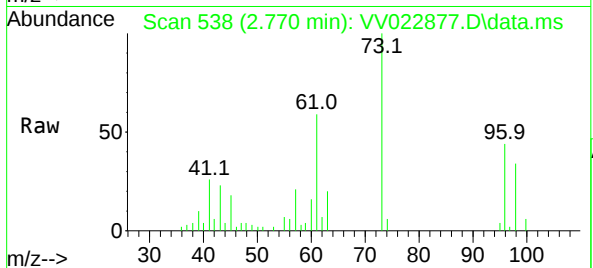


#17

Methyl tert-butyl Ether
Concen: 0.981 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Instrument :
MSVOA_V
ClientSampleId :
BFGE4

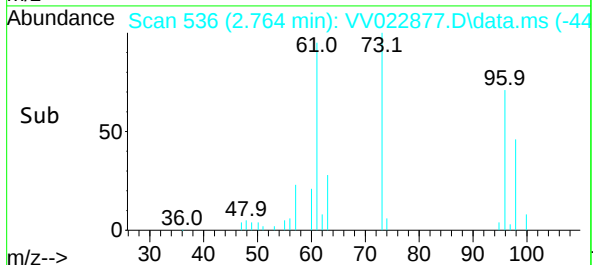
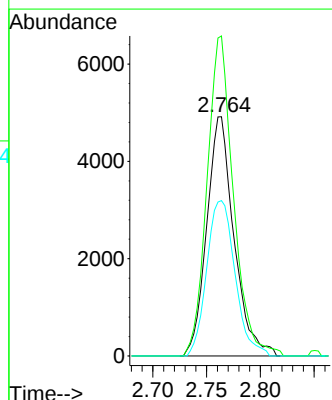
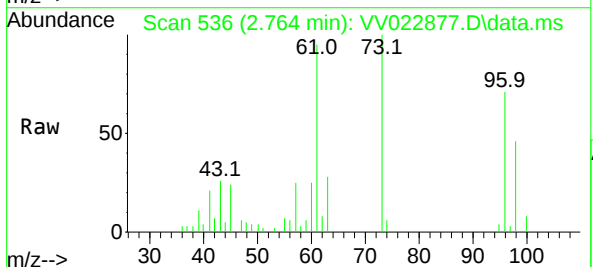
Tgt Ion: 73 Resp: 16963
Ion Ratio Lower Upper
73 100
43 26.7 17.1 25.7#
57 23.2 17.2 25.8

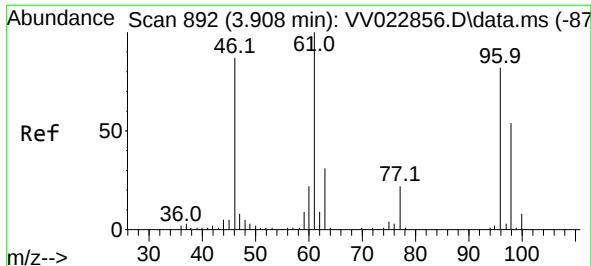


#18

trans-1,2-Dichloroethene
Concen: 1.114 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.006 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Tgt Ion: 96 Resp: 8655
Ion Ratio Lower Upper
96 100
61 133.8 94.5 175.5
98 65.0 44.2 82.0

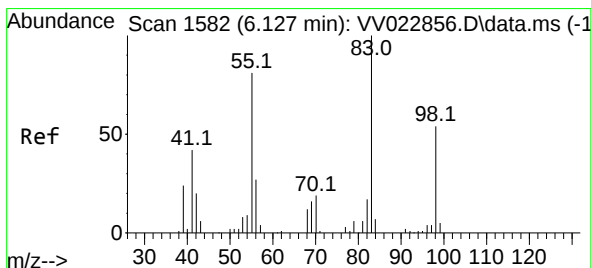
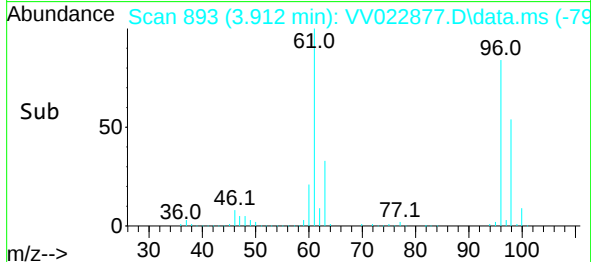
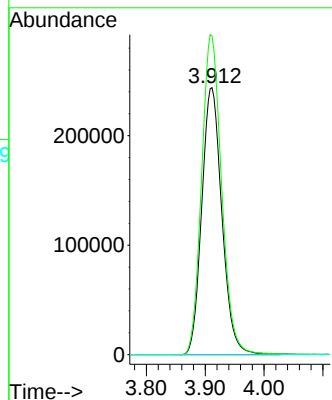
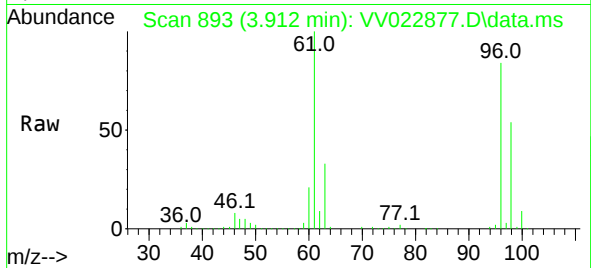




#22
 cis-1,2-Dichloroethene
 Concen: 71.032 ug/L
 RT: 3.912 min Scan# 893
 Delta R.T. 0.003 min
 Lab File: VV022877.D
 Acq: 18 Oct 2021 19:27

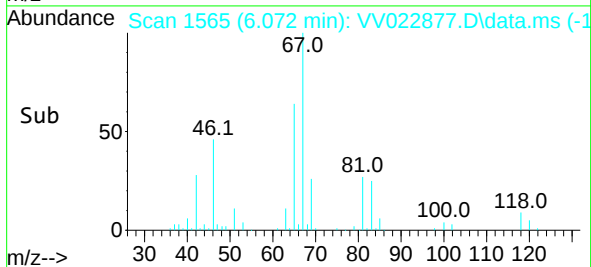
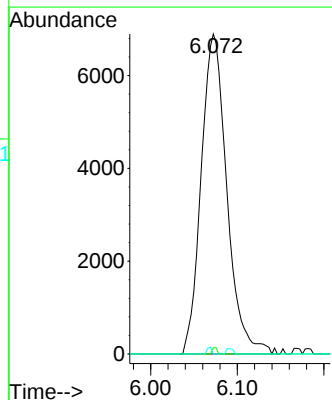
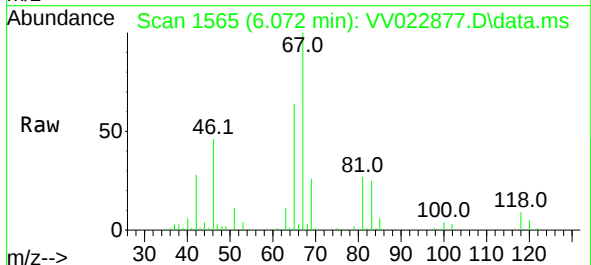
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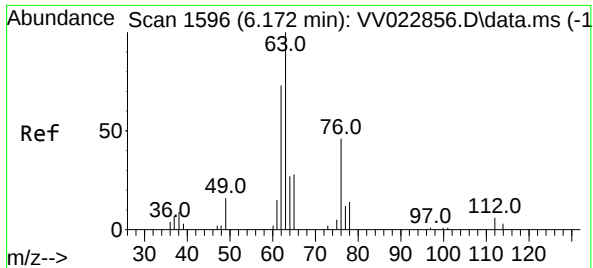
Tgt Ion: 96 Resp: 579605
 Ion Ratio Lower Upper
 96 100
 61 119.4 86.0 159.6
 68 0.0 0.0 0.0



#35
 Methylcyclohexane
 Concen: 1.144 ug/L
 RT: 6.072 min Scan# 1565
 Delta R.T. -0.055 min
 Lab File: VV022877.D
 Acq: 18 Oct 2021 19:27

Tgt Ion: 83 Resp: 14218
 Ion Ratio Lower Upper
 83 100
 55 0.4 63.8 95.6#
 98 0.4 42.1 63.1#

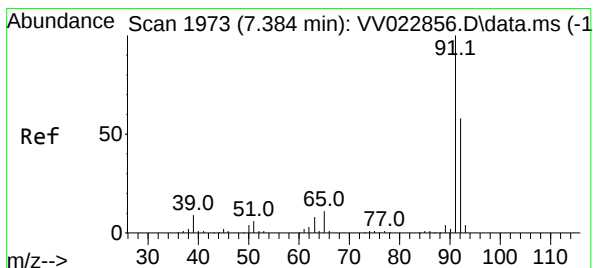
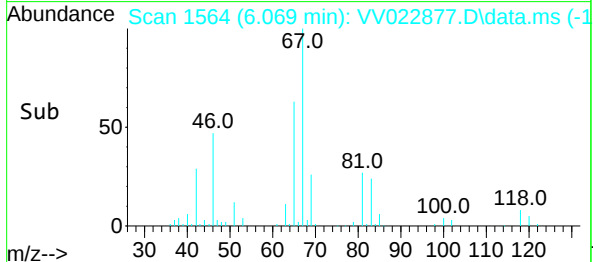
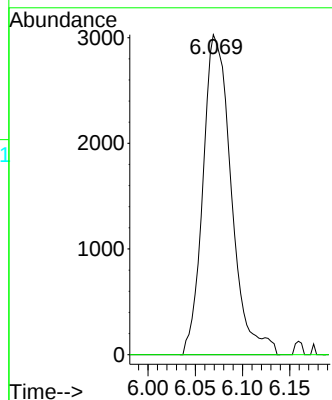
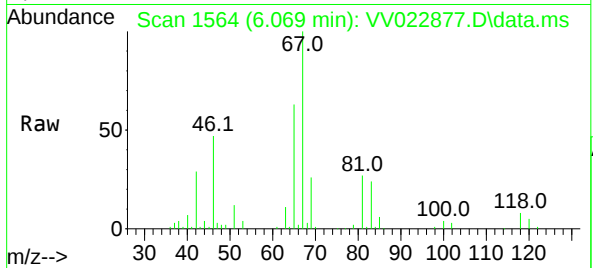




#37
1,2-Dichloropropane
Concen: 0.802 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.103 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

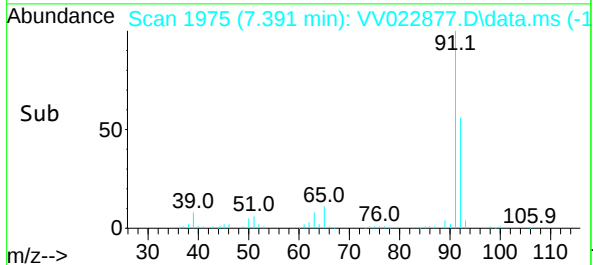
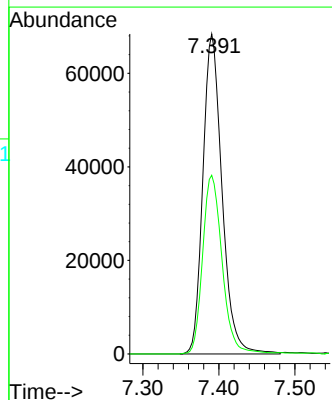
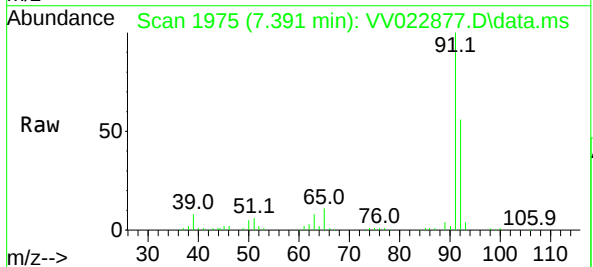
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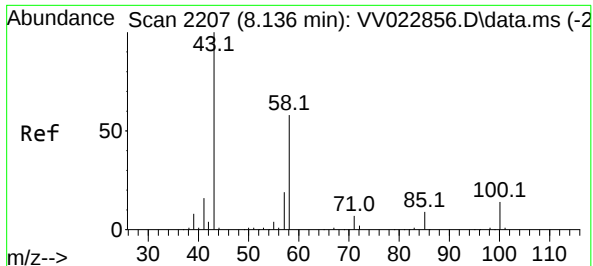
Tgt Ion: 63 Resp: 6297
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#



#42
Toluene
Concen: 3.615 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.006 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Tgt Ion: 91 Resp: 119758
Ion Ratio Lower Upper
91 100
92 55.9 40.7 75.7

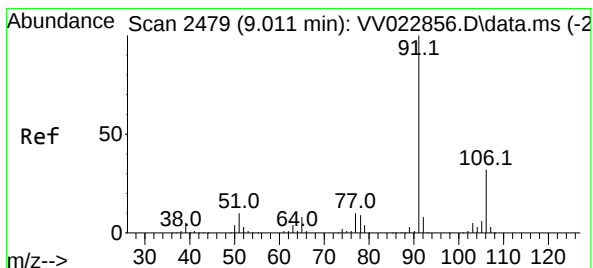
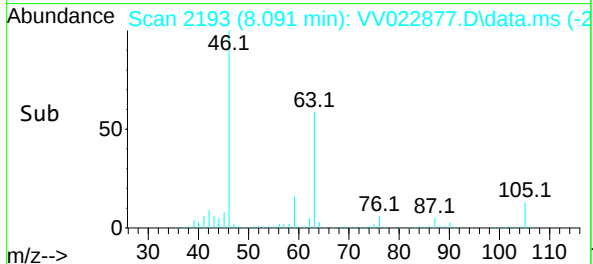
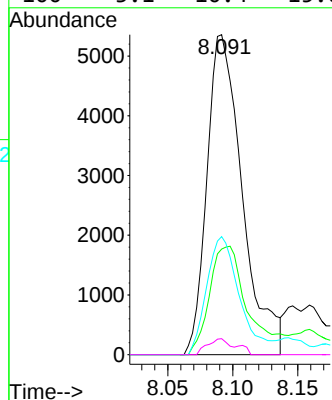
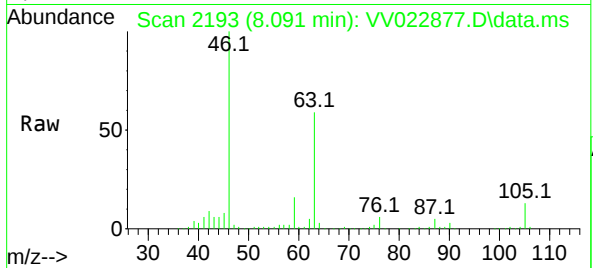




#48
2-Hexanone
Concen: 3.290 ug/L
RT: 8.091 min Scan# 2193
Delta R.T. -0.045 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

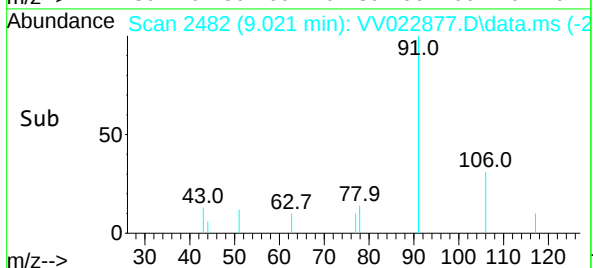
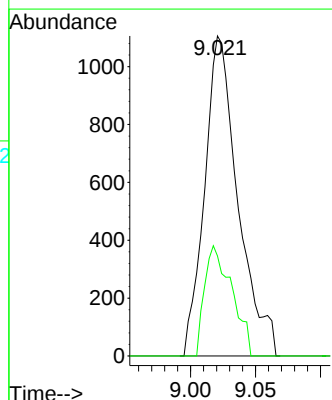
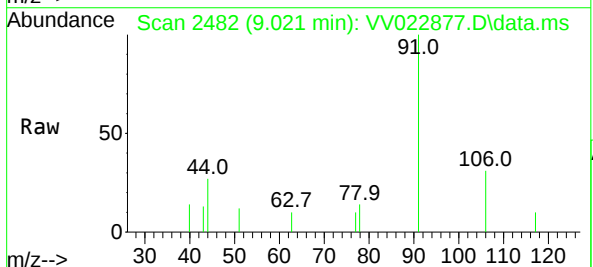
Instrument :
MSVOA_V
ClientSampled :
BFGE4

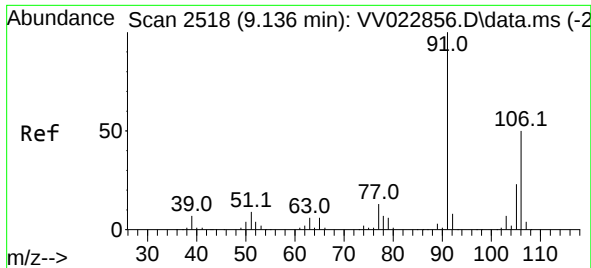
Tgt Ion:	43	Resp:	10144
Ion	Ratio	Lower	Upper
43	100		
58	37.4	47.4	71.0#
57	34.3	15.3	22.9#
100	3.1	10.4	15.6#



#52
Ethylbenzene
Concen: 0.059 ug/L
RT: 9.021 min Scan# 2482
Delta R.T. 0.010 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Tgt Ion:	91	Resp:	1974
Ion	Ratio	Lower	Upper
91	100		
106	31.3	21.6	40.2

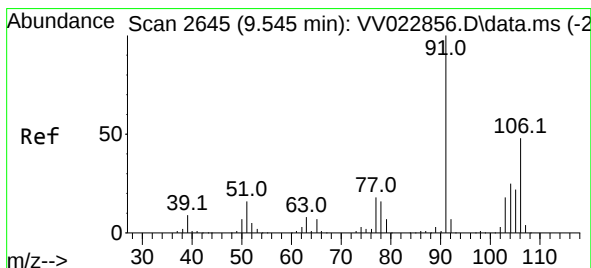
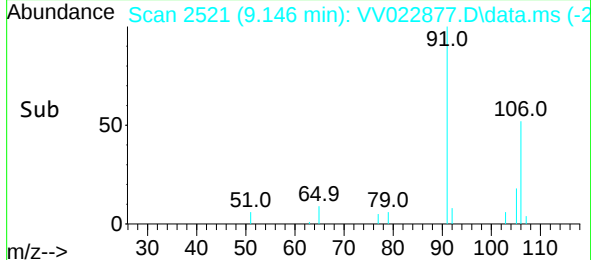
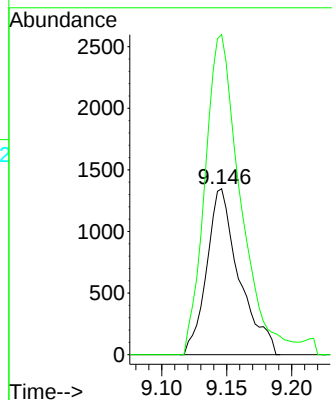
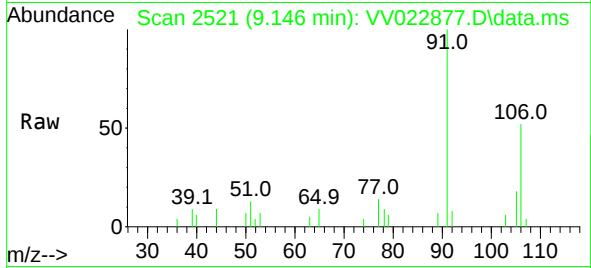




#53
m,p-xylene
Concen: 0.177 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.010 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

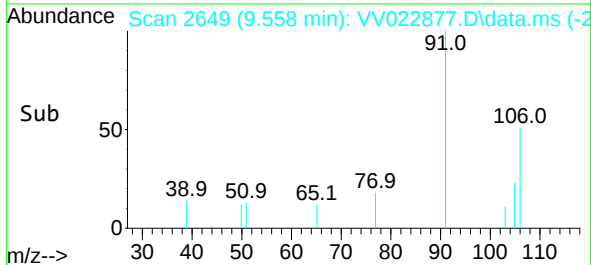
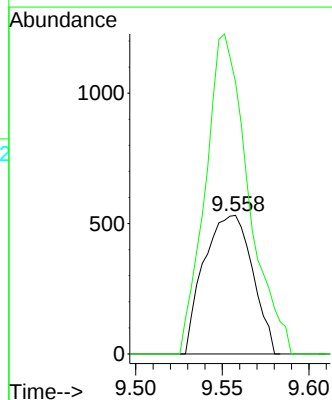
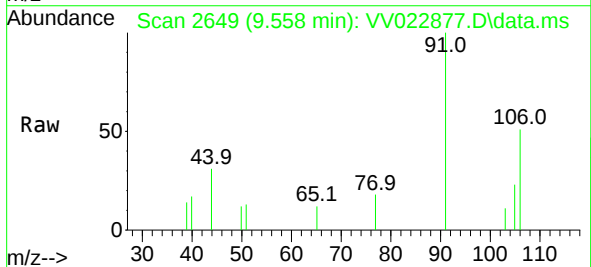
Instrument :
MSVOA_V
ClientSampleId :
BFGE4

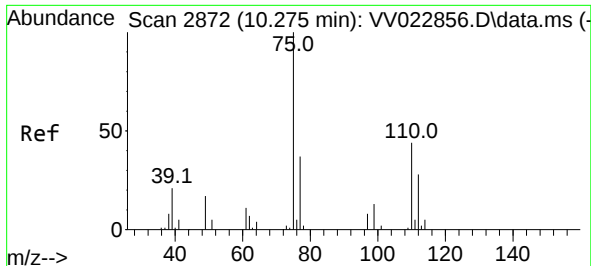
Tgt Ion:106 Resp: 2330
Ion Ratio Lower Upper
106 100
91 192.9 138.7 257.5



#54
o-xylene
Concen: 0.083 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.013 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Tgt Ion:106 Resp: 1035
Ion Ratio Lower Upper
106 100
91 196.2 151.1 280.7

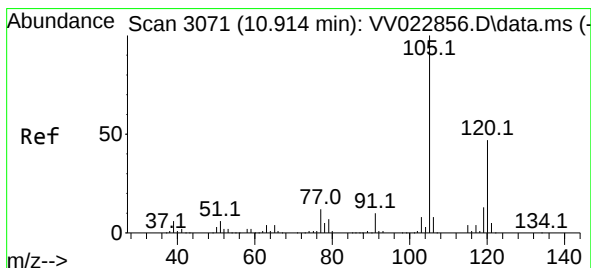
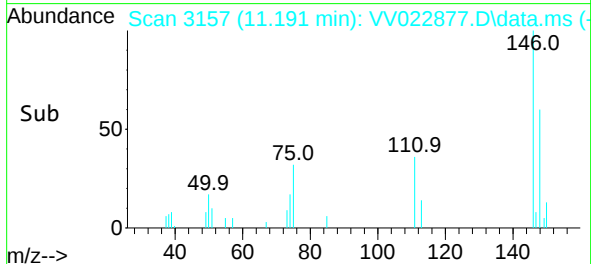
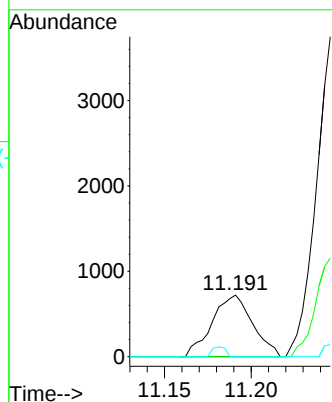
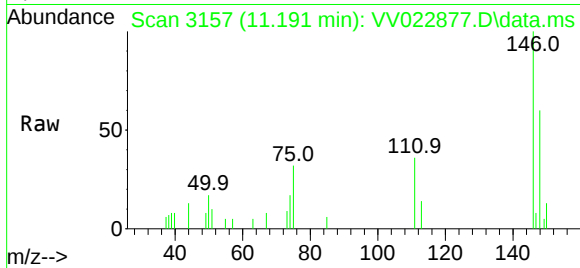




#61
1,2,3-Trichloropropane
Concen: 0.288 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.916 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

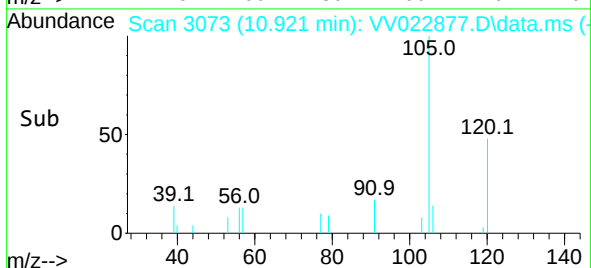
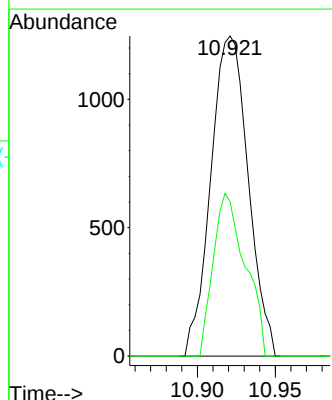
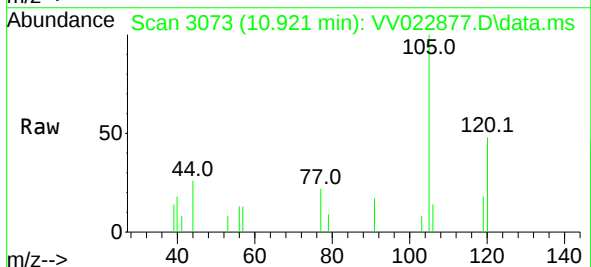
Instrument :
MSVOA_V
ClientSampleId :
BFGE4

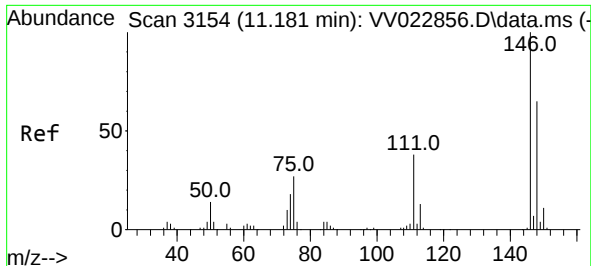
Tgt Ion: 75 Resp: 1173
Ion Ratio Lower Upper
75 100
77 29.4 25.4 38.2
110 5.2 34.2 51.4#



#63
1,2,4-Trimethylbenzene
Concen: 0.087 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.006 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Tgt Ion: 105 Resp: 2082
Ion Ratio Lower Upper
105 100
120 43.4 37.3 55.9

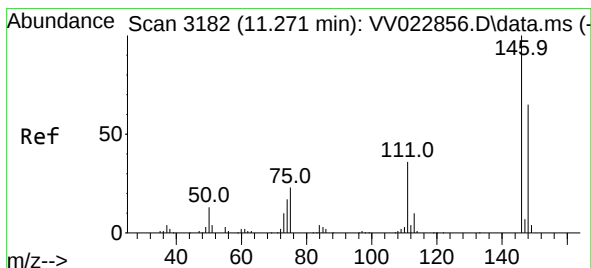
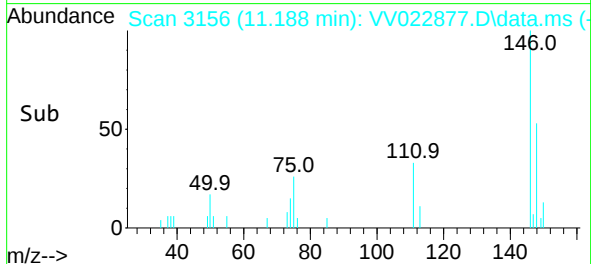
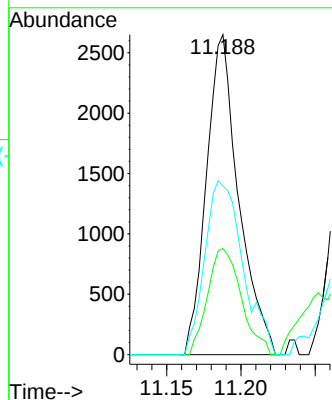
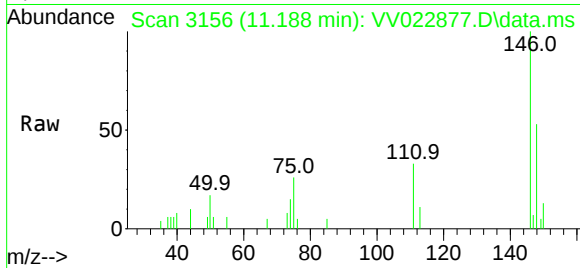




#64
1,3-Dichlorobenzene
Concen: 0.256 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

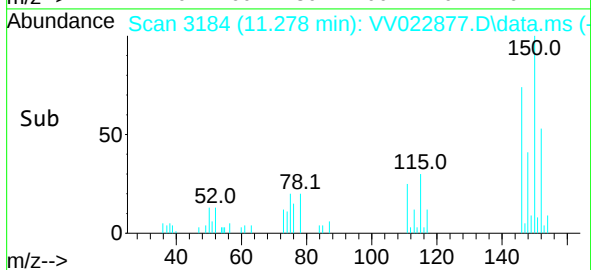
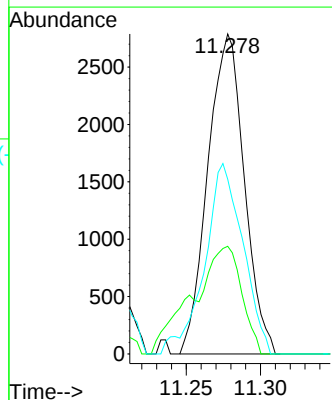
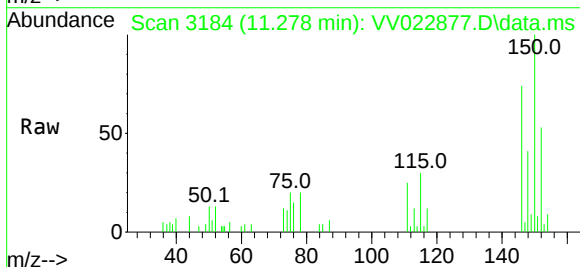
Instrument :
MSVOA_V
ClientSampleId :
BFGE4

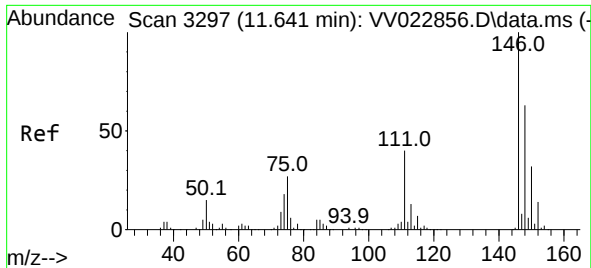
Tgt Ion:146 Resp: 3999
Ion Ratio Lower Upper
146 100
111 33.2 26.7 49.5
148 52.7 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 0.301 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.006 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Tgt Ion:146 Resp: 4764
Ion Ratio Lower Upper
146 100
111 33.6 25.6 47.4
148 54.6 44.9 83.5

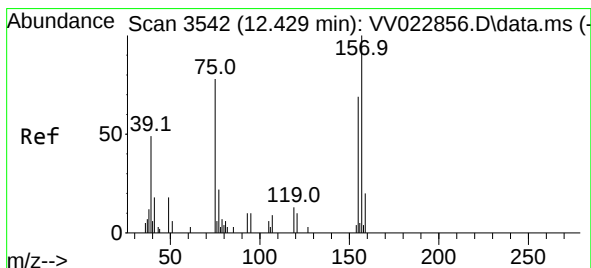
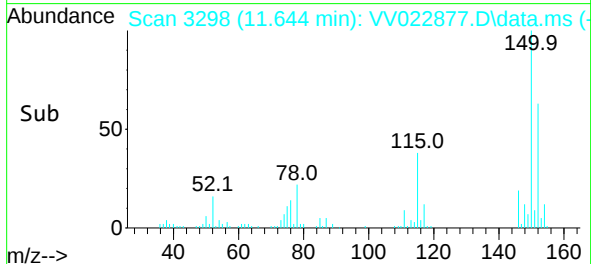
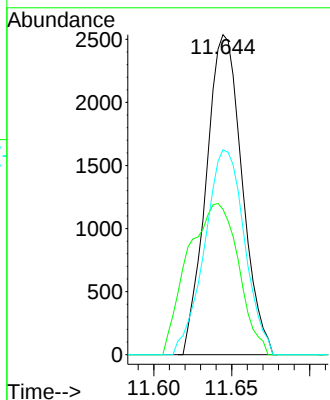
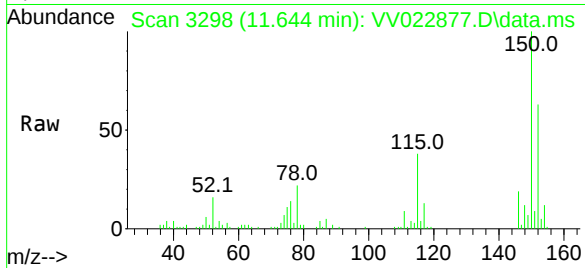




#67
1,2-Dichlorobenzene
Concen: 0.277 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. 0.003 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

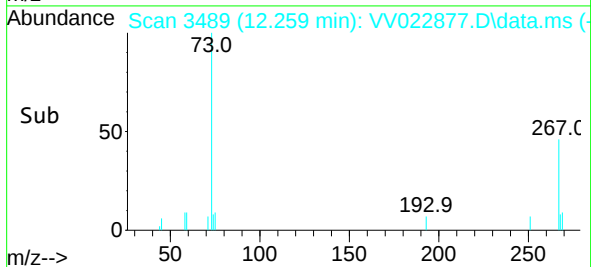
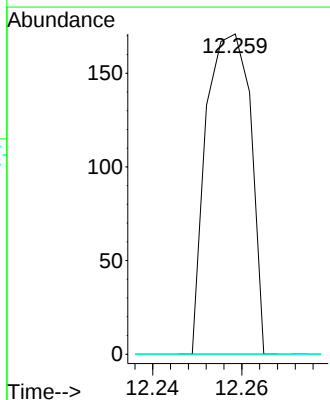
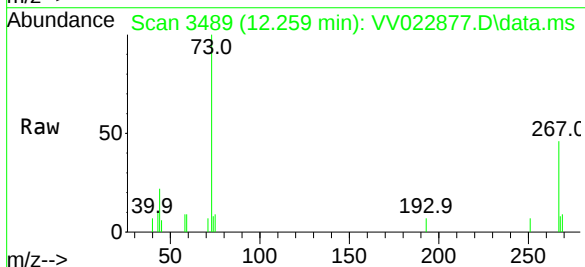
Instrument :
MSVOA_V
ClientSampled :
BFGE4

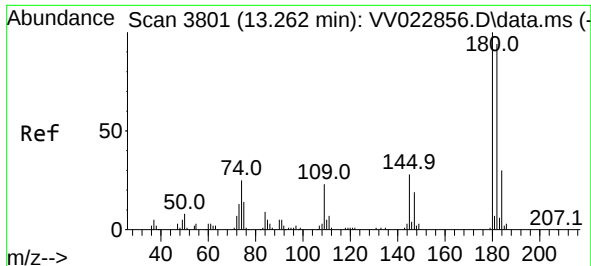
Tgt Ion:146 Resp: 4062
Ion Ratio Lower Upper
146 100
111 45.4 32.3 48.5
148 64.1 52.1 78.1



#68
1,2-Dibromo-3-chloropropane
Concen: 0.159 ug/L
RT: 12.259 min Scan# 3489
Delta R.T. -0.170 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Tgt Ion: 75 Resp: 118
Ion Ratio Lower Upper
75 100
155 0.0 82.4 123.6#
157 0.0 114.1 171.1#

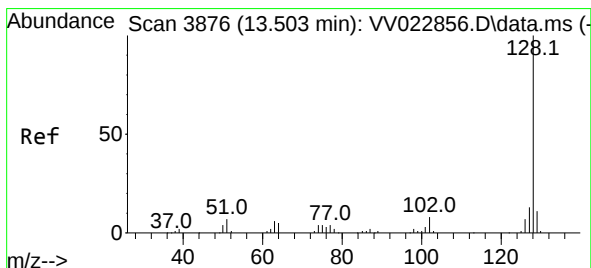
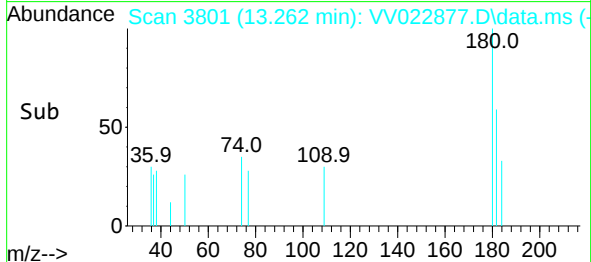
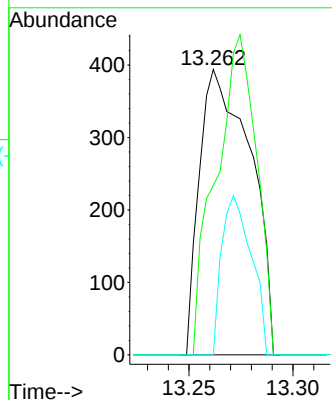
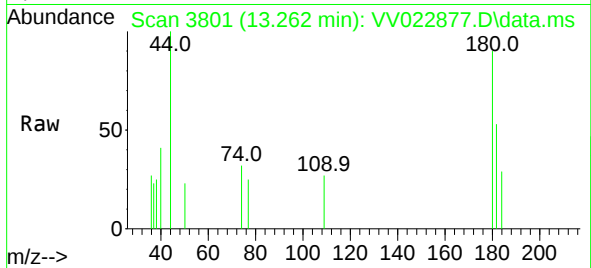




#70
1,2,4-trichlorobenzene
Concen: 0.075 ug/L
RT: 13.262 min Scan# 3801
Delta R.T. 0.000 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Instrument :
MSVOA_V
ClientSampled :
BFGE4

Tgt Ion:	180	Resp:	671
Ion	Ratio	Lower	Upper
180	100		
182	89.7	76.0	114.0
145	32.5	24.1	36.1



#71
Naphthalene
Concen: 0.077 ug/L
RT: 13.516 min Scan# 3880
Delta R.T. 0.013 min
Lab File: VV022877.D
Acq: 18 Oct 2021 19:27

Tgt Ion:	128	Resp:	1093
Ion	Ratio	Lower	Upper
128	100		
129	0.0	9.3	13.9#
127	0.0	10.8	16.2#

