

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101121\
 Data File : VW020443.D
 Acq On : 11 Oct 2021 14:40
 Operator : SY/VA
 Sample : M4126-16RE
 Misc : 3.80g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 12 01:25:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100821SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Oct 12 01:21:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	115644	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	26960	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	3411	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	77422	46.010	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	184.040%#
7) Chloroethane-d5	2.879	69	49491	55.678	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	222.720%#
11) 1,1-Dichloroethene-d2	4.013	63	109259	31.687	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	126.760%#
21) 2-Butanone-d5	7.092	46	45882	89.593	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	179.180%#
24) Chloroform-d	7.653	84	161723	43.871	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	175.480%#
26) 1,2-Dichloroethane-d4	8.311	65	74986	35.617	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	142.480%#
32) Benzene-d6	8.275	84	205960	116.140	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	464.560%#
36) 1,2-Dichloropropane-d6	9.274	67	97543	168.769	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	675.080%#
41) Toluene-d8	10.323	98	83661	52.578	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	210.320%#
43) trans-1,3-Dichloroprop...	10.579	79	9143	38.928	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	155.720%#
47) 2-Hexanone-d5	10.927	63	19200	215.945	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	431.900%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	24095	55.153	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	220.600%#
66) 1,2-Dichlorobenzene-d4	13.853	152	3658	27.415	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.640%
Target Compounds						Qvalue
13) Acetone	4.147	43	3967	8.437	ug/L	100
16) Methylene chloride	4.922	84	27810	12.370	ug/L	95
25) Chloroform	7.677	83	5050	1.485	ug/L	89
33) Benzene	8.275	78	1764	0.919	ug/L	100
34) Trichloroethene	9.098	95	12306	26.013	ug/L	95
37) 1,2-Dichloropropane	9.274	63	11649	23.425	ug/L #	87
39) cis-1,3-Dichloropropene	10.043	75	1015	1.479	ug/L #	59
42) Toluene	10.390	91	2186	1.135	ug/L	91
46) Tetrachloroethene	10.866	164	333	0.980	ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.713	83	1598	4.037	ug/L #	93
59) Bromoform	12.310	173	45	0.942	ug/L #	36
61) 1,2,3-Trichloropropane	12.762	75	108	1.437	ug/L #	61
62) 1,3,5-Trimethylbenzene	13.249	105	2297	5.619	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	2297	5.673	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	116	0.536	ug/L #	1
69) 1,3,5-Trichlorobenzene	15.127	180	140	0.906	ug/L #	19
70) 1,2,4-trichlorobenzene	15.127	180	140	1.145	ug/L #	73
71) Naphthalene	15.365	128	1957	8.899	ug/L #	76

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100821SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Oct 12 01:21:43 2021
Response via : Initial Calibration

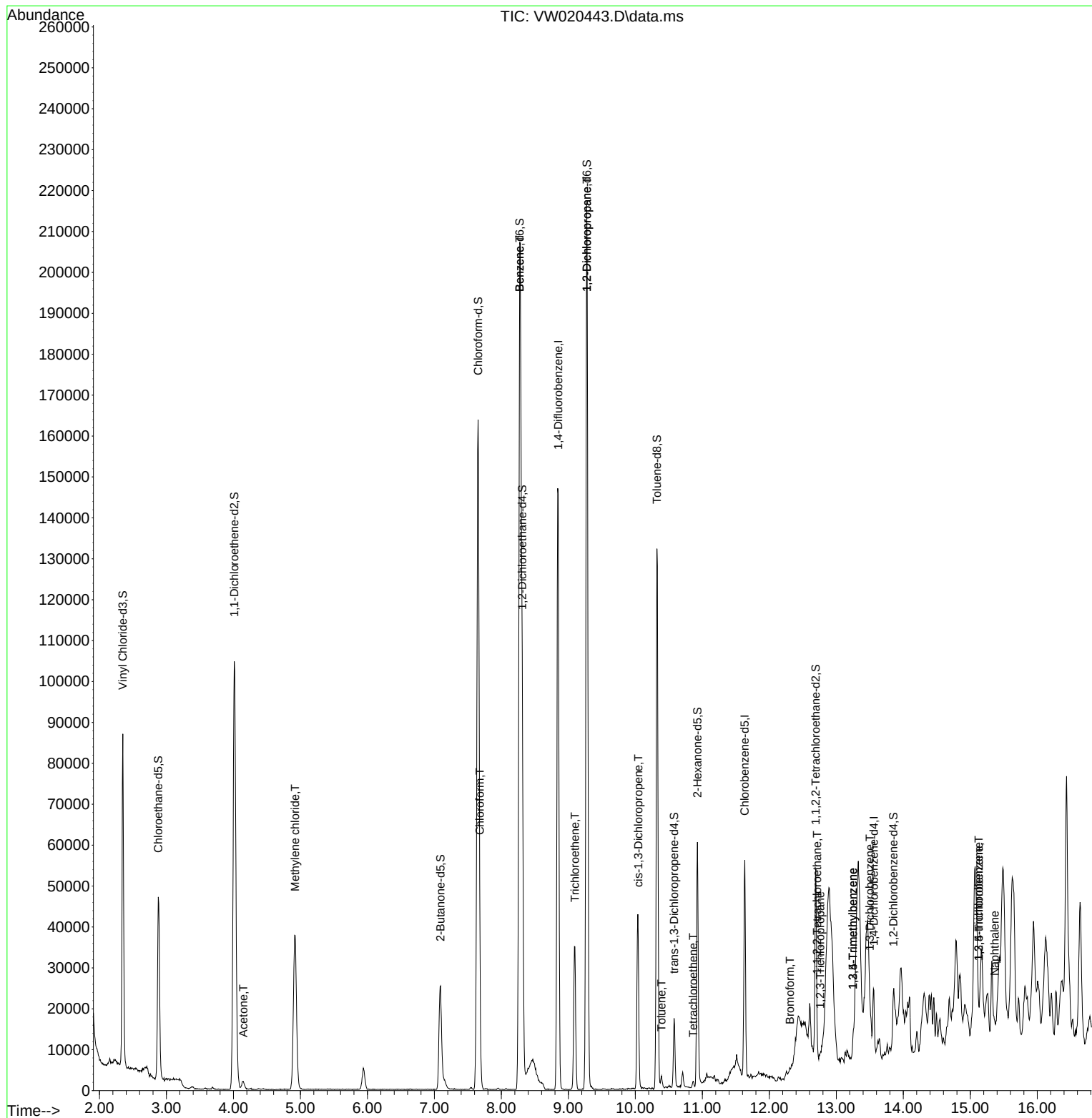
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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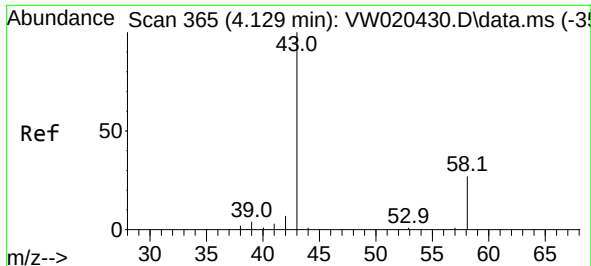
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_W
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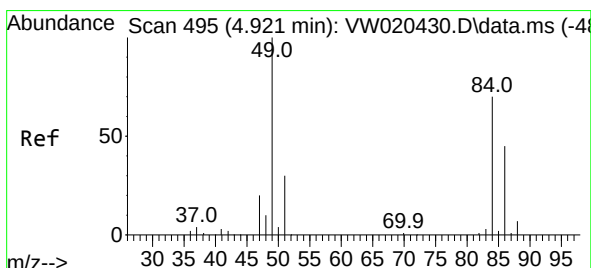
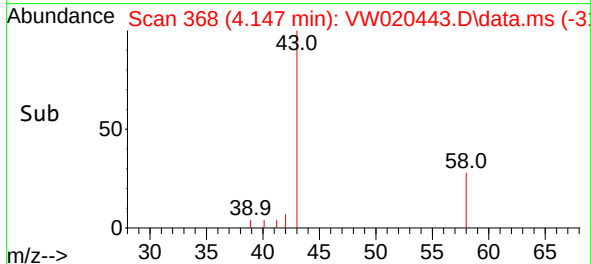
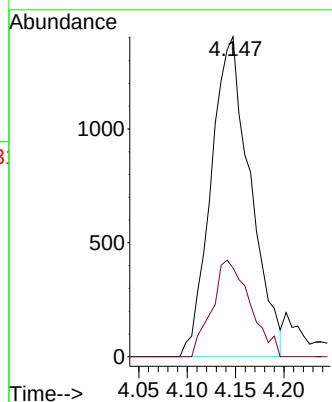
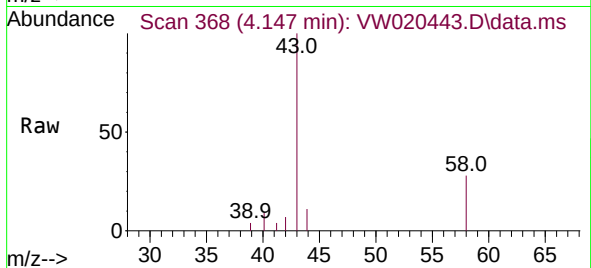




#13
Acetone
Concen: 8.437 ug/L
RT: 4.147 min Scan# 368
Delta R.T. 0.018 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

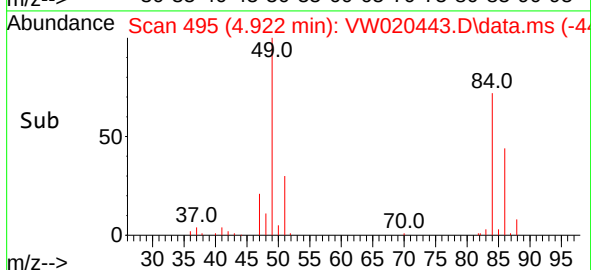
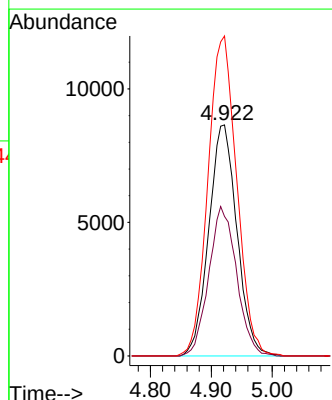
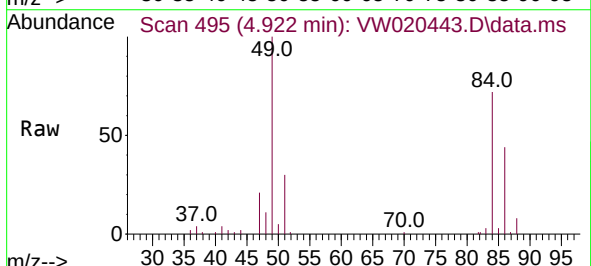
Instrument :
MSVOA_W
ClientSampled :

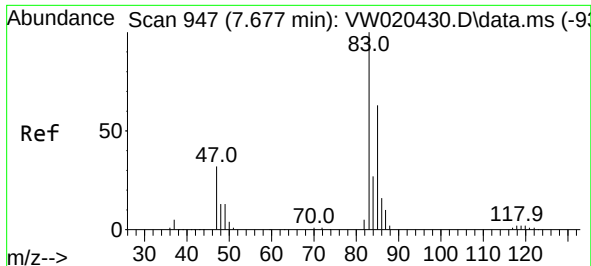
Tgt Ion: 43 Resp: 3967
Ion Ratio Lower Upper
43 100
58 29.2 0.0 58.4



#16
Methylene chloride
Concen: 12.370 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.000 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

Tgt Ion: 84 Resp: 27810
Ion Ratio Lower Upper
84 100
86 60.4 44.7 83.1
49 138.5 101.7 188.9

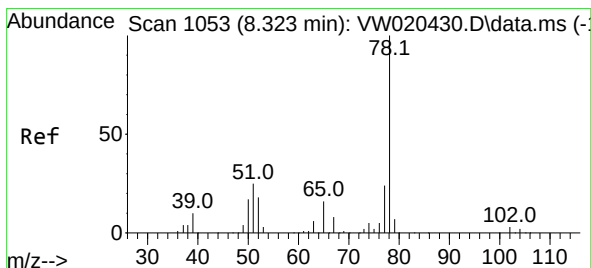
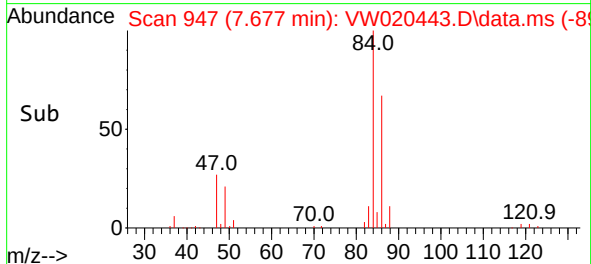
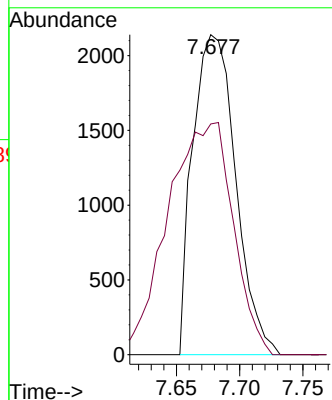
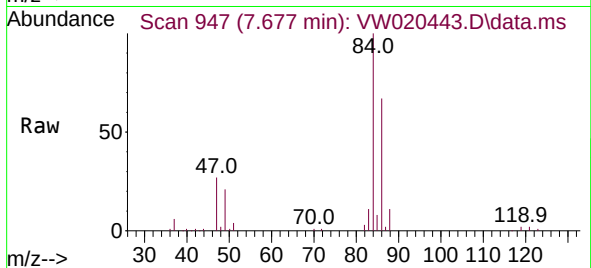




#25
Chloroform
Concen: 1.485 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

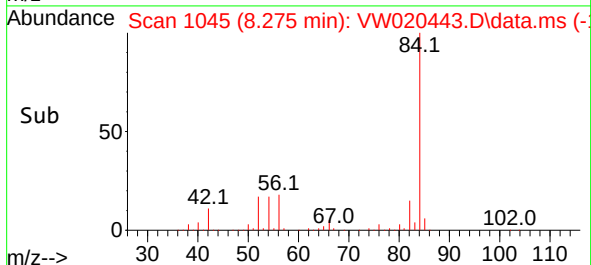
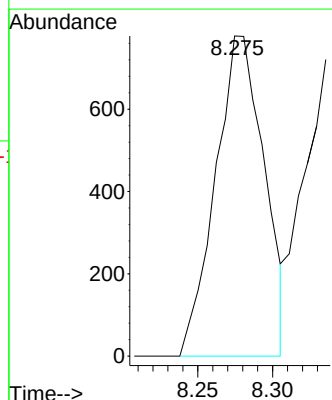
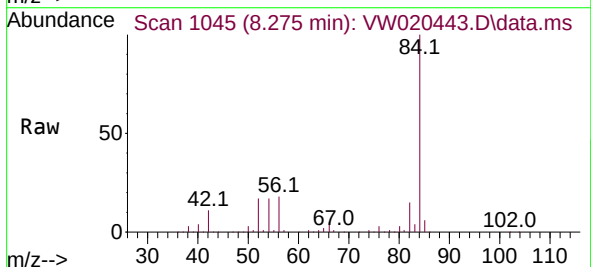
Instrument :
MSVOA_W
ClientSampled :

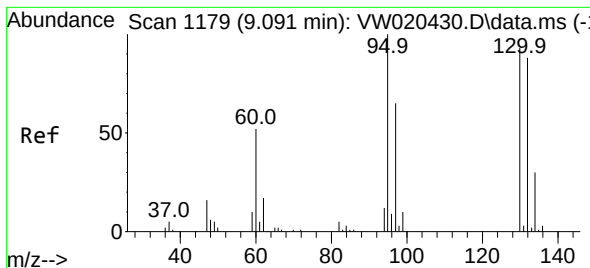
Tgt Ion: 83 Resp: 5050
Ion Ratio Lower Upper
83 100
85 72.1 44.6 82.8



#33
Benzene
Concen: 0.919 ug/L
RT: 8.275 min Scan# 1045
Delta R.T. -0.049 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

Tgt Ion: 78 Resp: 1764

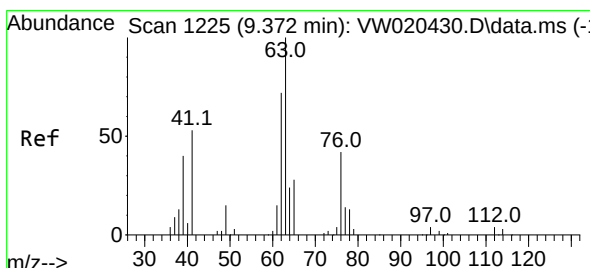
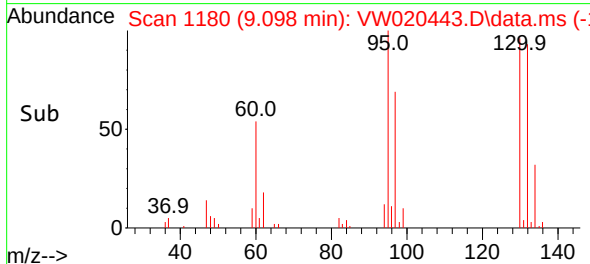
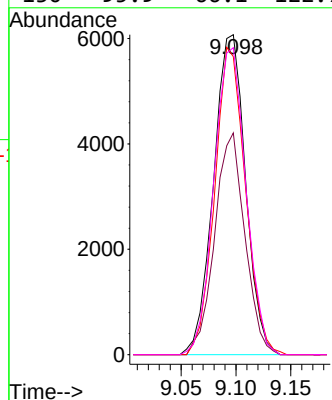
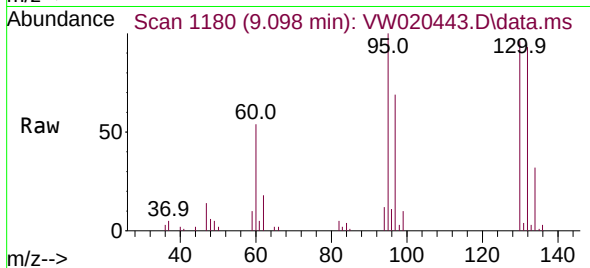




#34
Trichloroethene
Concen: 26.013 ug/L
RT: 9.098 min Scan# 1180
Delta R.T. 0.006 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

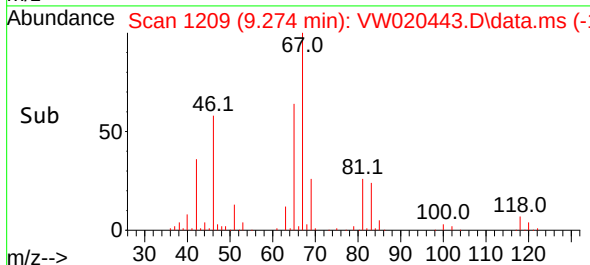
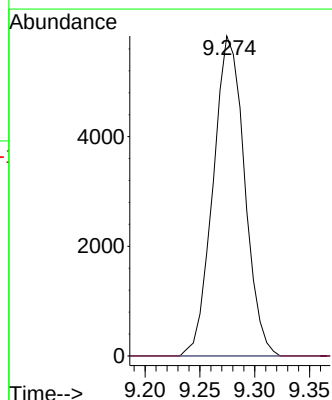
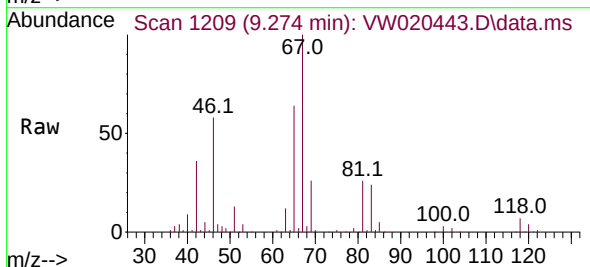
Instrument :
MSVOA_W
ClientSampled :

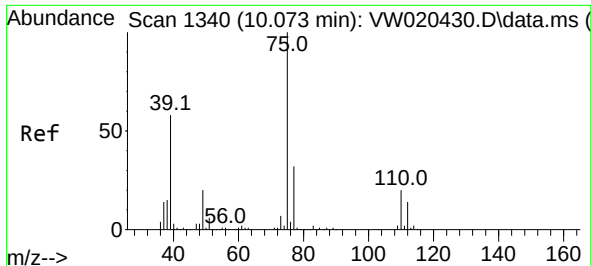
Tgt Ion: 95 Resp: 12306
Ion Ratio Lower Upper
95 100
97 69.3 43.2 80.2
132 93.2 62.3 115.7
130 95.9 66.1 122.7



#37
1,2-Dichloropropane
Concen: 23.425 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.097 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

Tgt Ion: 63 Resp: 11649
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

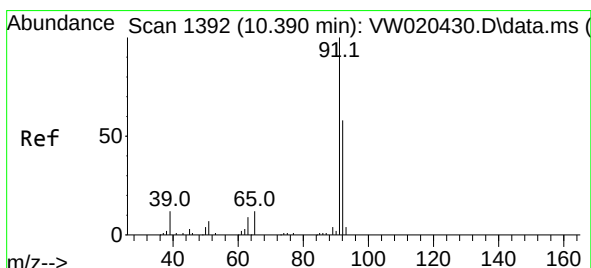
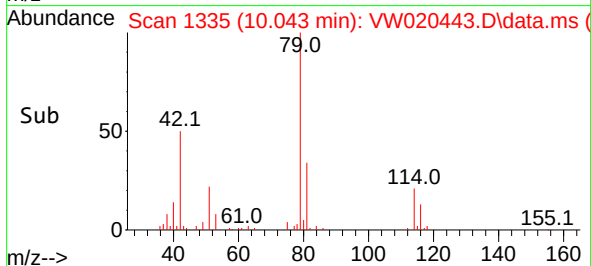
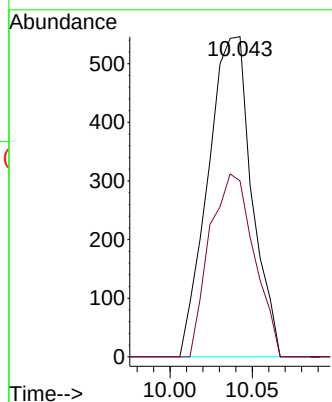
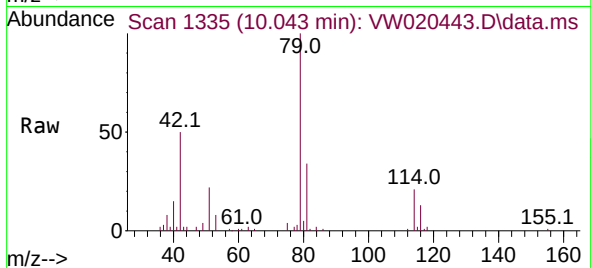




#39
cis-1,3-Dichloropropene
Concen: 1.479 ug/L
RT: 10.043 min Scan# 1335
Delta R.T. -0.030 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

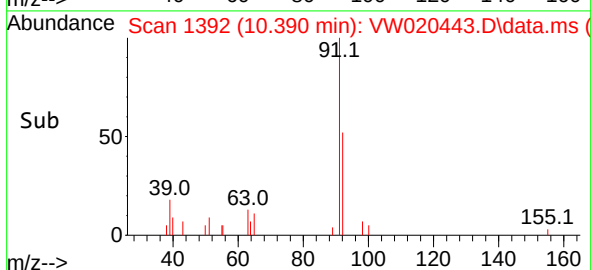
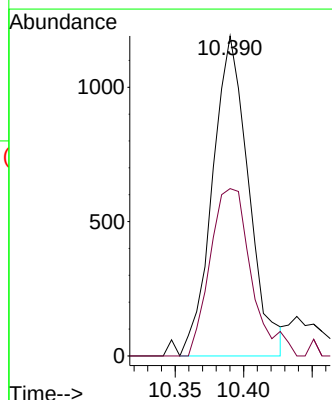
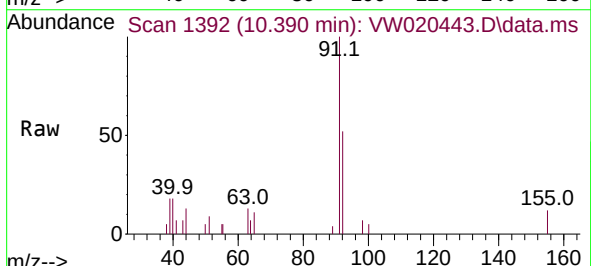
Instrument :
MSVOA_W
ClientSampled :

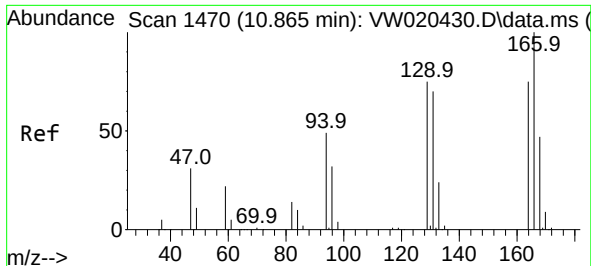
Tgt Ion: 75 Resp: 1015
Ion Ratio Lower Upper
75 100
77 54.9 22.4 41.6#



#42
Toluene
Concen: 1.135 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

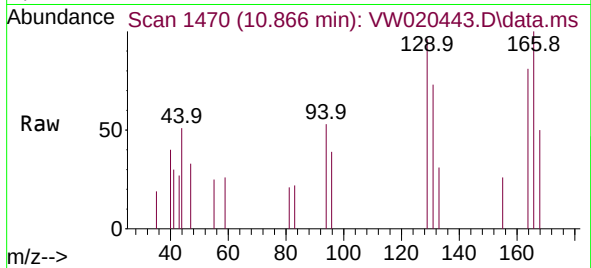
Tgt Ion: 91 Resp: 2186
Ion Ratio Lower Upper
91 100
92 52.3 41.5 77.1





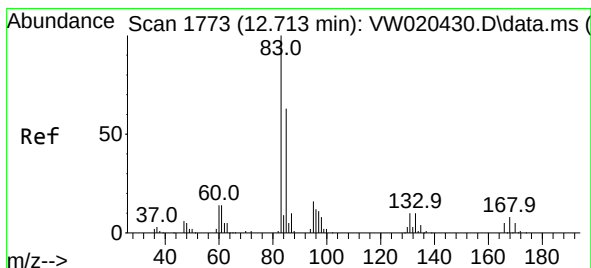
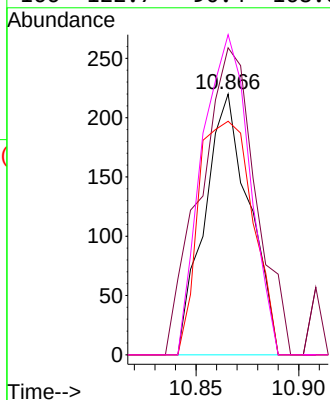
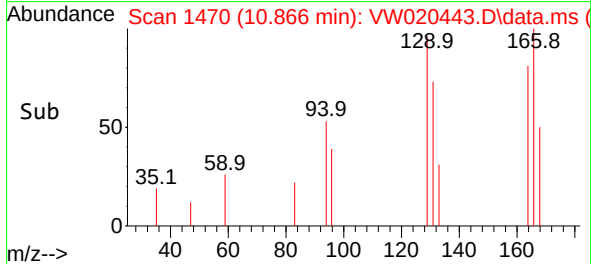
#46
Tetrachloroethene
Concen: 0.980 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

Instrument :
MSVOA_W
ClientSampled :

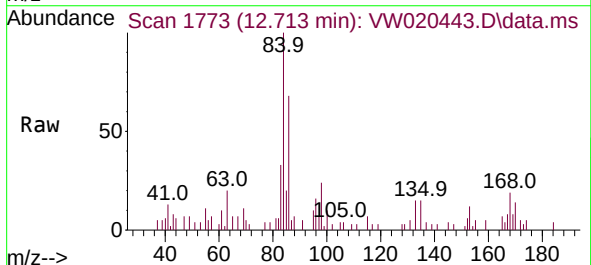


Tgt Ion:164 Resp: 333

Ion	Ratio	Lower	Upper
164	100		
129	117.7	69.1	128.3
131	89.5	58.3	108.3
166	122.7	90.4	168.0

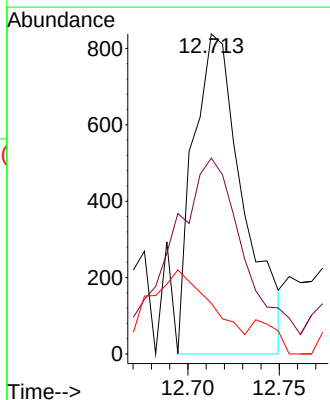
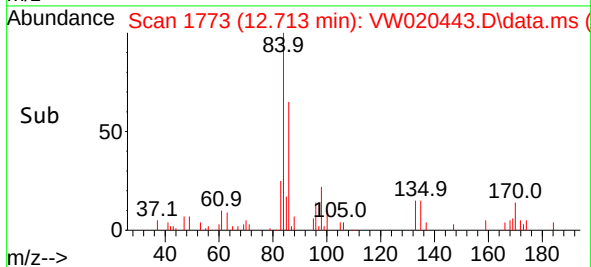


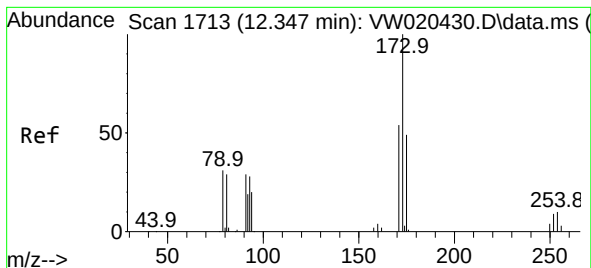
#57
1,1,2,2-Tetrachloroethane
Concen: 4.037 ug/L
RT: 12.713 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40



Tgt Ion: 83 Resp: 1598

Ion	Ratio	Lower	Upper
83	100		
85	61.2	45.9	85.3
131	15.9	7.4	11.2#





#59

Bromoform

Concen: 0.942 ug/L

RT: 12.310 min Scan# 1707

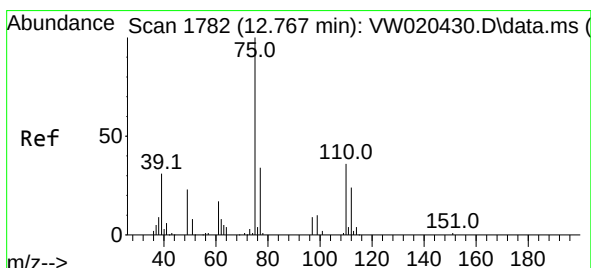
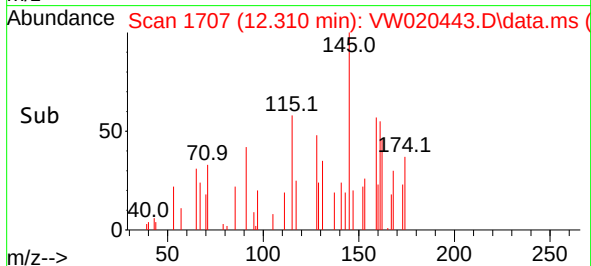
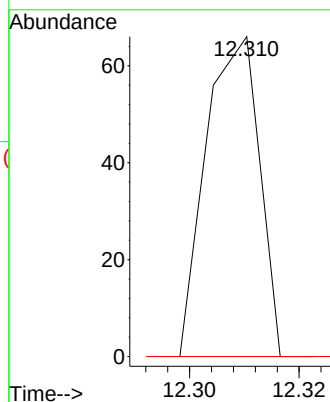
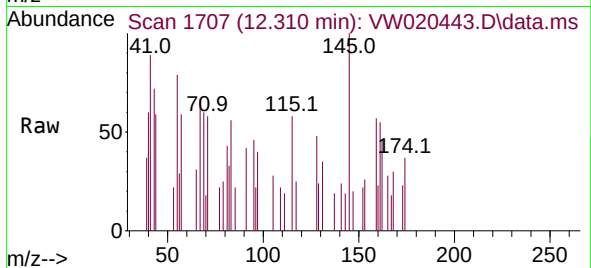
Delta R.T. -0.036 min

Lab File: VW020443.D

Acq: 11 Oct 2021 14:40

Tgt Ion:173	Resp:	45
Ion Ratio	Lower	Upper
173	100	
175	0.0	38.6 57.8#
254	0.0	7.3 10.9#

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MSVOA_W
ClientSampled :



#61

1,2,3-Trichloropropane

Concen: 1.437 ug/L

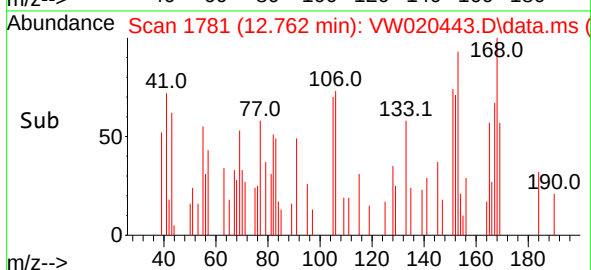
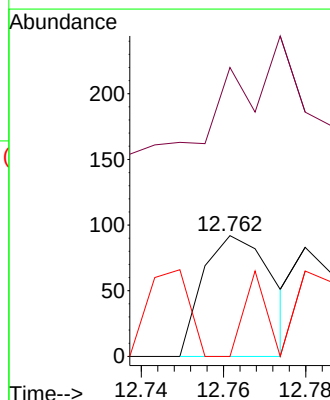
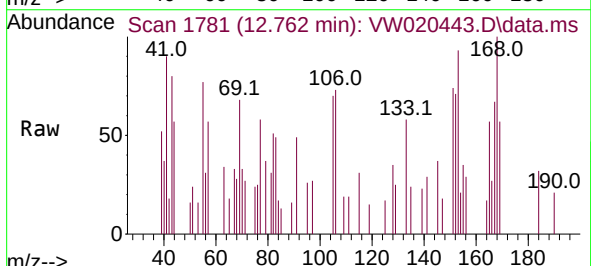
RT: 12.762 min Scan# 1781

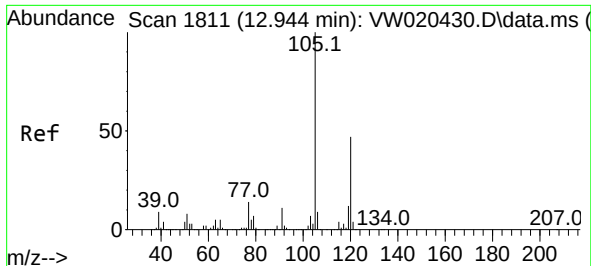
Delta R.T. -0.006 min

Lab File: VW020443.D

Acq: 11 Oct 2021 14:40

Tgt Ion: 75	Resp:	108
Ion Ratio	Lower	Upper
75	100	
77	0.0	25.1 37.7#
110	22.2	29.4 44.0#

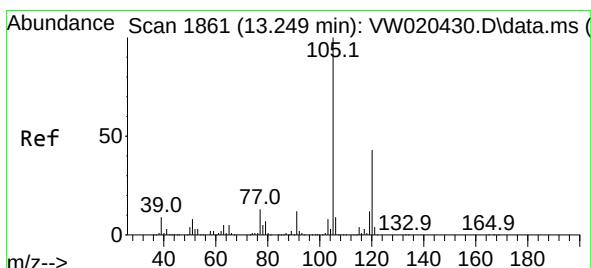
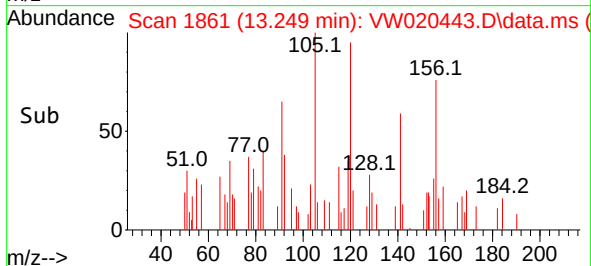
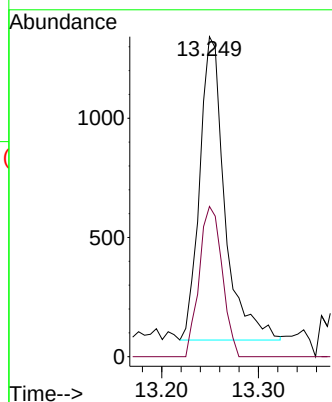
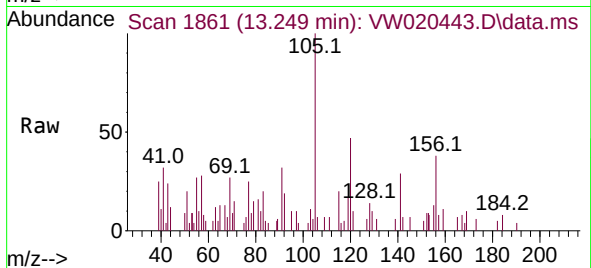




#62
1,3,5-Trimethylbenzene
Concen: 5.619 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.305 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

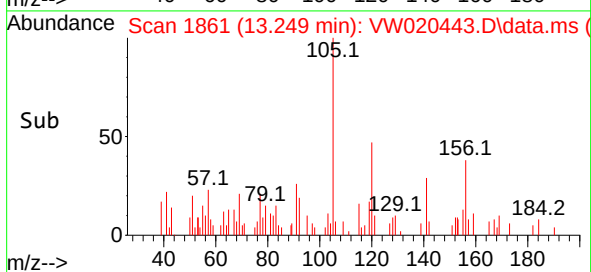
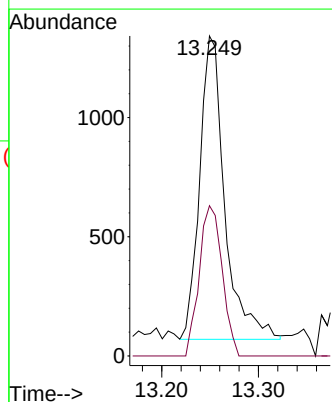
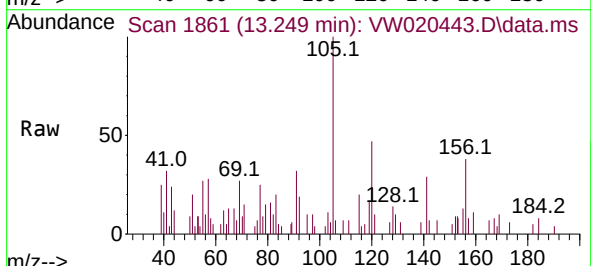
Instrument :
MSVOA_W
ClientSampled :

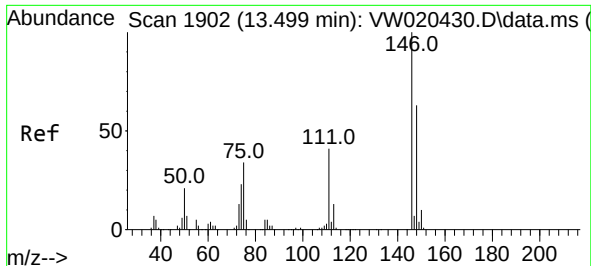
Tgt Ion:105 Resp: 2297
Ion Ratio Lower Upper
105 100
120 45.2 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 5.673 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

Tgt Ion:105 Resp: 2297
Ion Ratio Lower Upper
105 100
120 45.2 35.4 53.2

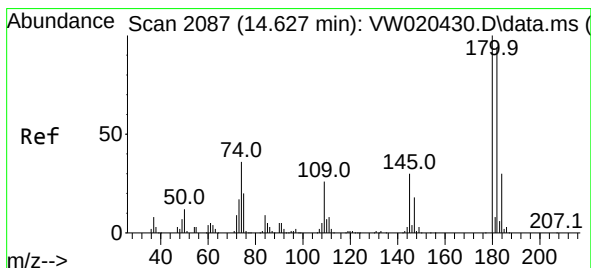
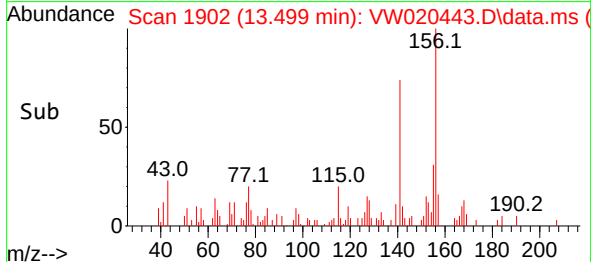
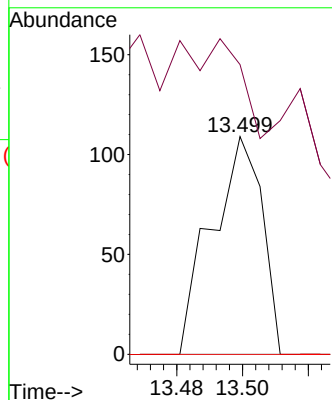
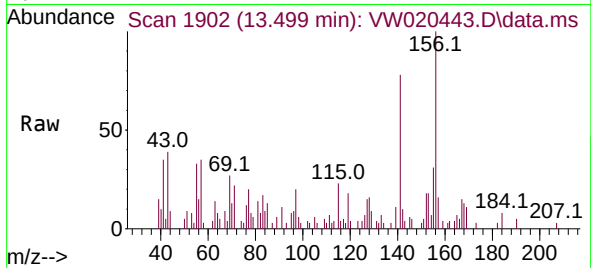




#64
1,3-Dichlorobenzene
Concen: 0.536 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

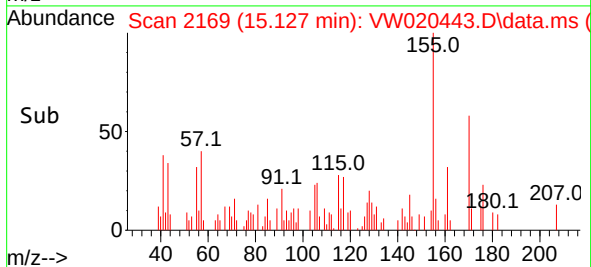
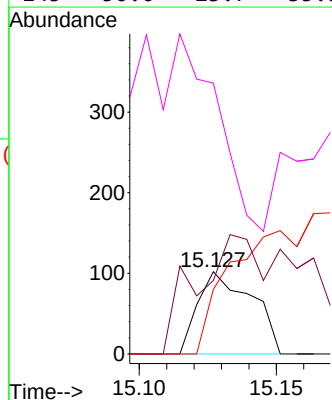
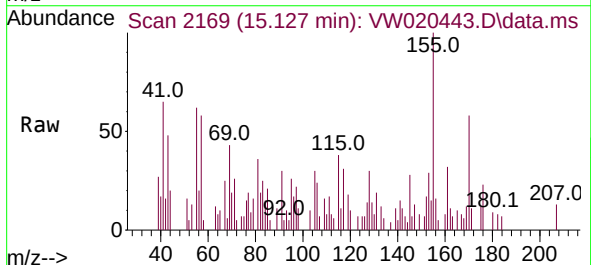
Instrument :
MSVOA_W
ClientSampled :

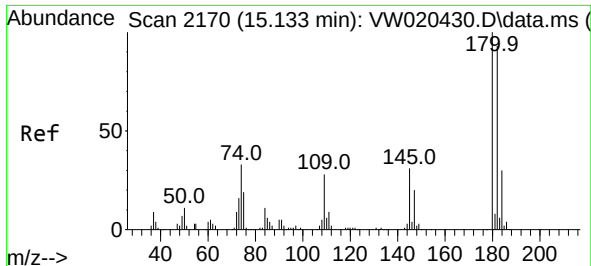
Tgt Ion:146 Resp: 116
Ion Ratio Lower Upper
146 100
111 133.0 29.0 53.8#
148 0.0 42.4 78.6#



#69
1,3,5-Trichlorobenzene
Concen: 0.906 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.500 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

Tgt Ion:180 Resp: 140
Ion Ratio Lower Upper
180 100
182 70.0 73.4 110.0#
184 193.6 24.2 36.4#
145 50.0 23.7 35.5#

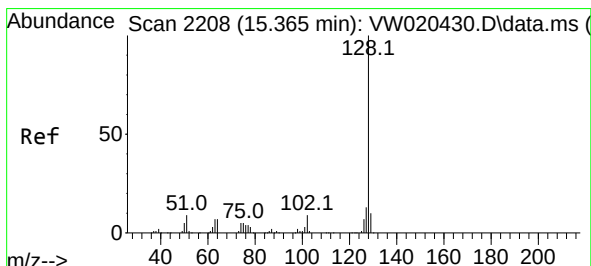
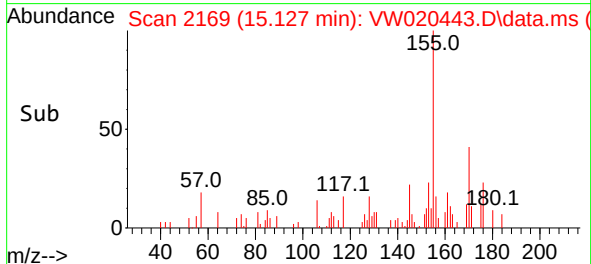
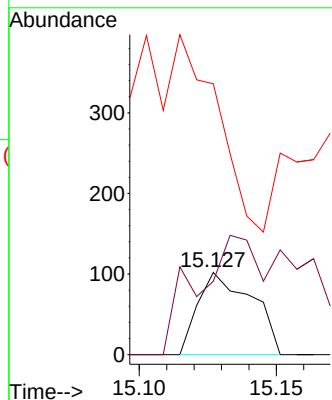
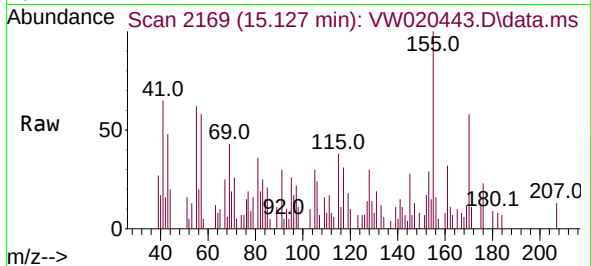




#70
1,2,4-trichlorobenzene
Concen: 1.145 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:180 Resp: 140
Ion Ratio Lower Upper
180 100
182 70.0 75.8 113.8#
145 48.6 24.8 37.2#



#71
Naphthalene
Concen: 8.899 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW020443.D
Acq: 11 Oct 2021 14:40

Tgt Ion:128 Resp: 1957
Ion Ratio Lower Upper
128 100
127 2.5 10.5 15.7#
129 3.3 8.7 13.1#

