

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060721\
 Data File : VW019146.D
 Acq On : 07 Jun 2021 13:24
 Operator : SY/VA
 Sample : M2618-02RE
 Misc : 6.14G/10ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 08 01:24:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jun 08 01:22:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	575564	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	366612	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	92102	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	216780	28.483	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.920%
7) Chloroethane-d5	3.038	69	189	0.029	ug/L	0.15
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.120%#
11) 1,1-Dichloroethene-d2	4.025	63	274255	18.137	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.560%
21) 2-Butanone-d5	7.080	46	95874	48.091	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.180%
24) Chloroform-d	7.653	84	374662	24.212	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.840%
26) 1,2-Dichloroethane-d4	8.311	65	206323	23.770	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.080%
32) Benzene-d6	8.274	84	734942	35.186	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	140.760%#
36) 1,2-Dichloropropane-d6	9.274	67	219437	34.654	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	138.600%#
41) Toluene-d8	10.323	98	557965	29.087	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.360%
43) trans-1,3-Dichloroprop...	10.579	79	84063	30.652	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	122.600%
47) 2-Hexanone-d5	10.926	63	78285	72.906	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	145.820%#
56) 1,1,2,2-Tetrachloroeth...	12.694	84	129528	24.797	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	13.853	152	79783	24.818	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.280%
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	29848	16.896	ug/L	88
14) Carbon disulfide	4.391	76	23891	0.926	ug/L	99
16) Methylene chloride	4.921	84	25723	2.409	ug/L	95
22) 2-Butanone	7.183	43	11944	5.057	ug/L	97
29) Cyclohexane	8.037	56	34427	3.609	ug/L #	14
35) Methylcyclohexane	9.335	83	51192	4.732	ug/L #	65
38) Bromodichloromethane	9.622	83	4480	0.583	ug/L #	27
40) 4-Methyl-2-pentanone	10.250	43	16804	4.763	ug/L #	74
42) Toluene	10.390	91	9239	0.356	ug/L	97
45) 1,1,2-Trichloroethane	10.762	97	33035	7.407	ug/L #	27
52) Ethylbenzene	11.731	91	7768	0.272	ug/L #	78
53) m,p-Xylene	11.847	106	7076	0.672	ug/L	88
54) o-Xylene	12.170	106	11649	1.162	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.700	83	3419	0.622	ug/L #	16
60) Isopropylbenzene	13.103	105	47035	3.411	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.505	75	1695	3.758	ug/L #	26
70) 1,2,4-trichlorobenzene	15.109	180	1393	0.390	ug/L #	61
71) Naphthalene	15.359	128	7754	1.090	ug/L #	78
72) 1,2,3-Trichlorobenzene	15.578	180	4007	1.267	ug/L #	1

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Instrument :
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ClientSampleId :

Quant Time: Jun 08 01:24:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Jun 08 01:22:15 2021
Response via : Initial Calibration

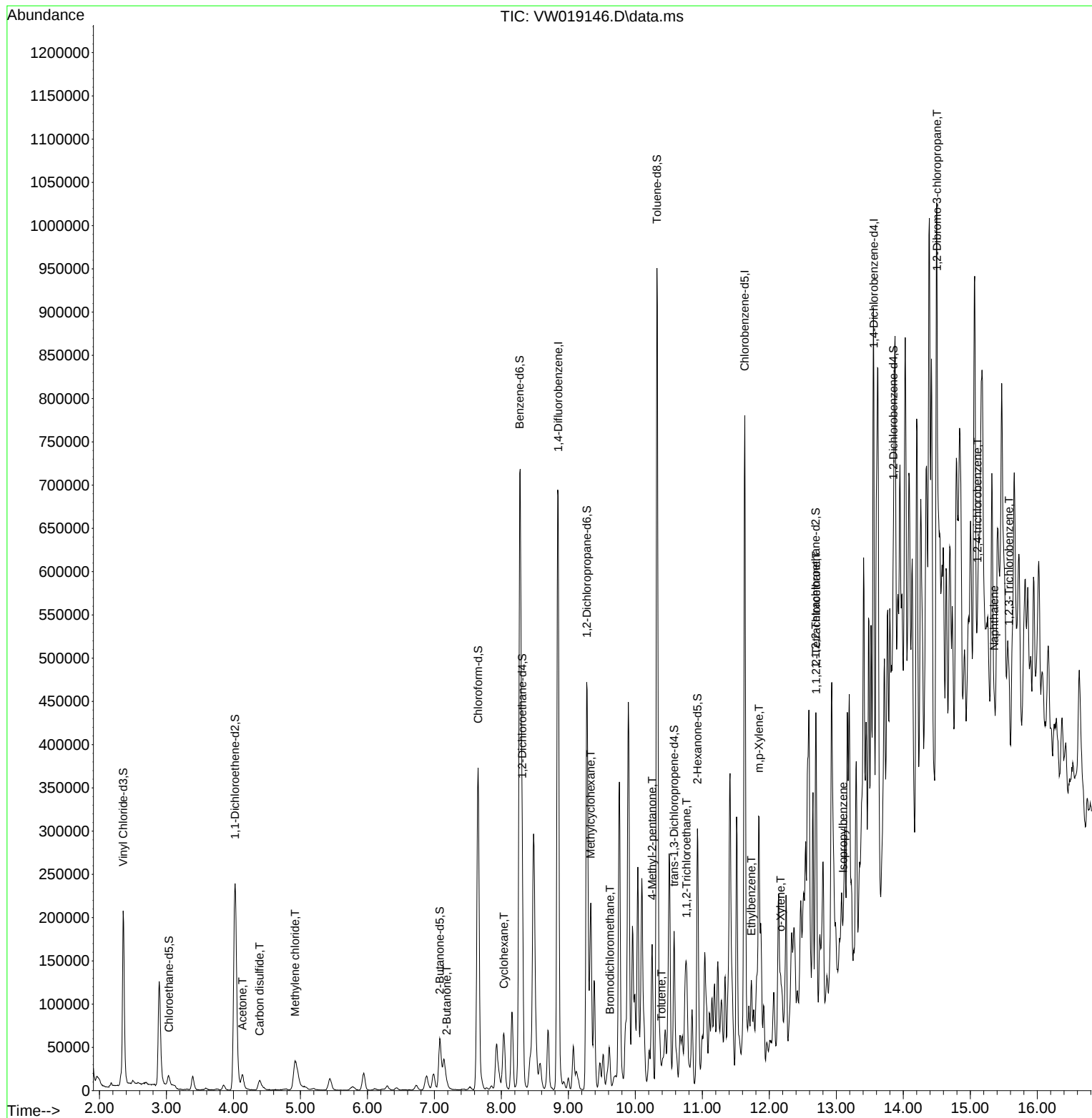
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

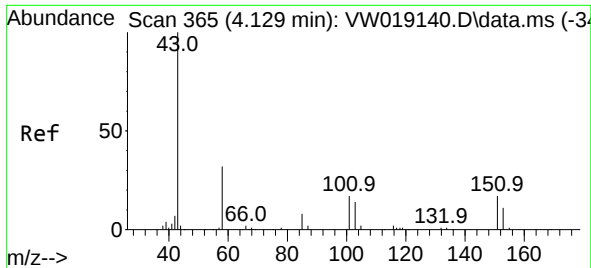
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
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QLast Update : Tue Jun 08 01:22:15 2021
Response via : Initial Calibration

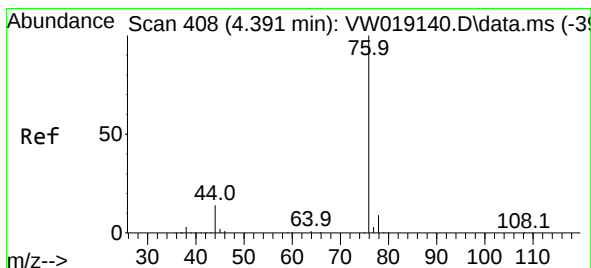
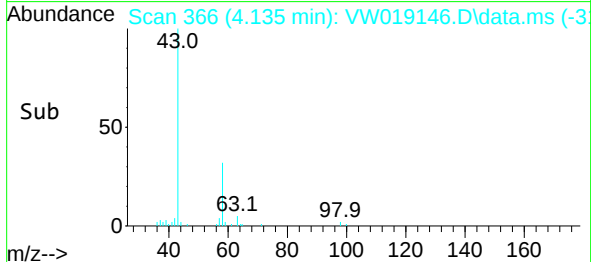
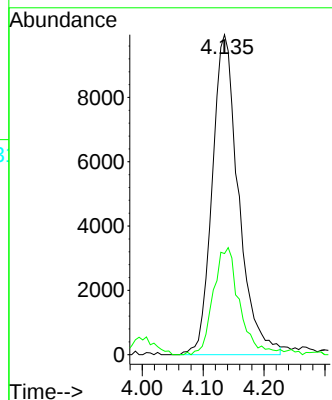
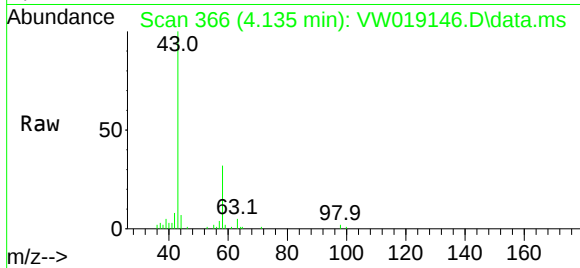




#13
Acetone
Concen: 16.896 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.006 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

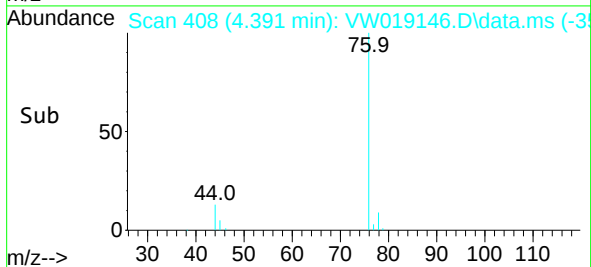
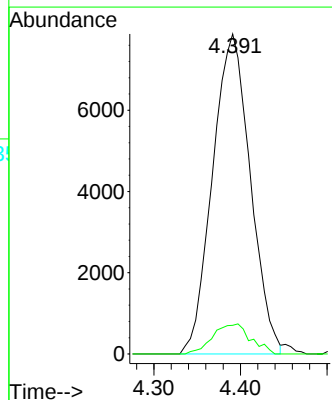
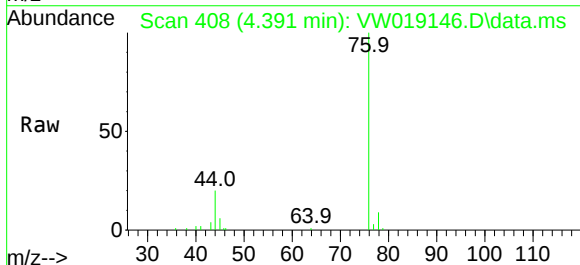
Instrument :
MSVOA_W
ClientSampled :

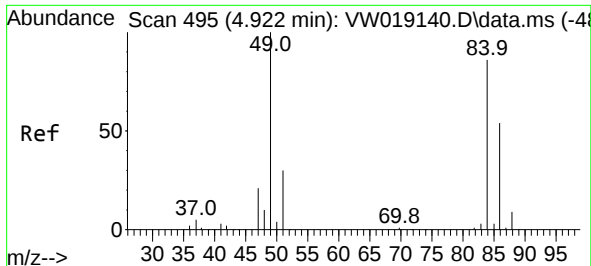
Tgt Ion: 43 Resp: 29848
Ion Ratio Lower Upper
43 100
58 33.1 0.0 53.8



#14
Carbon disulfide
Concen: 0.926 ug/L
RT: 4.391 min Scan# 408
Delta R.T. -0.000 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

Tgt Ion: 76 Resp: 23891
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

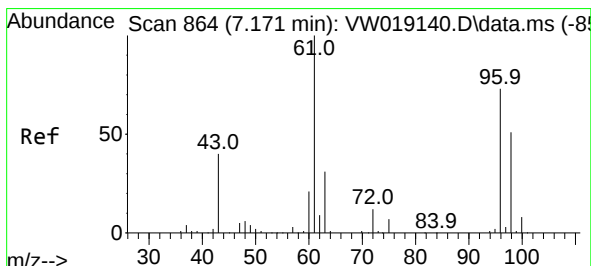
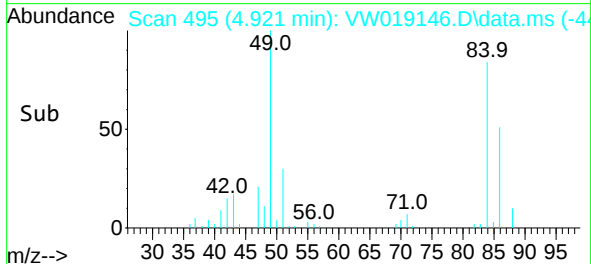
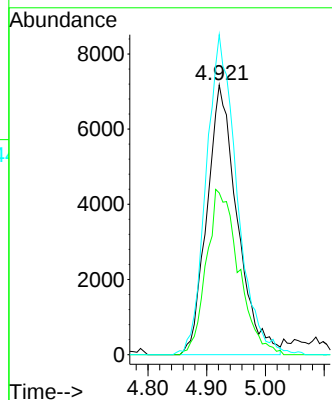
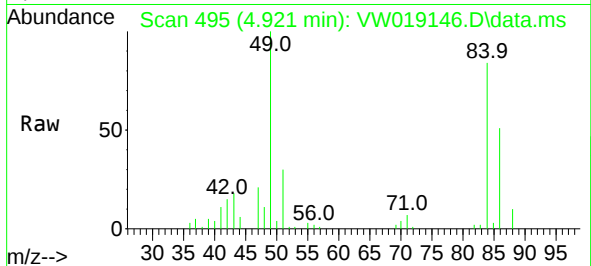




#16
Methylene chloride
Concen: 2.409 ug/L
RT: 4.921 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

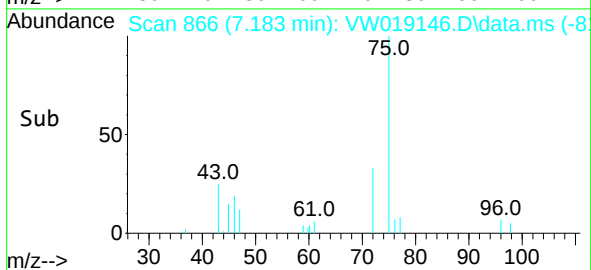
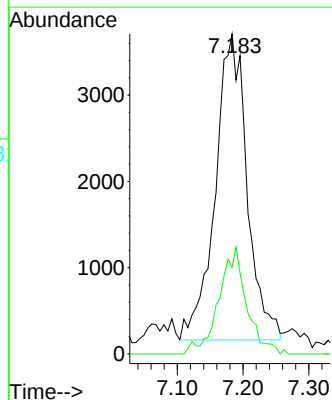
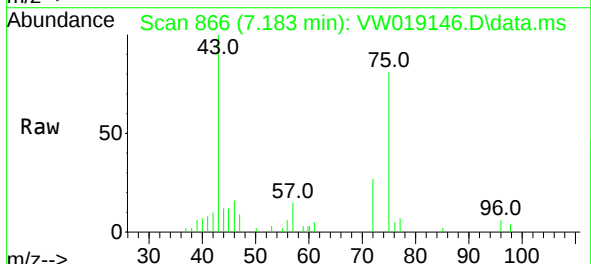
Instrument :
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ClientSampled :

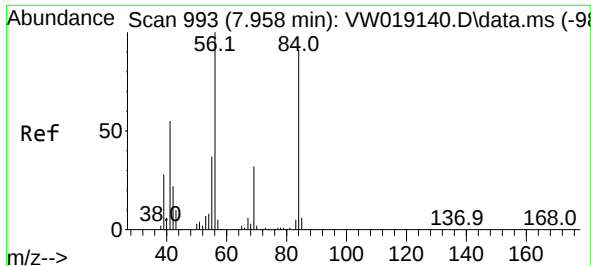
Tgt Ion: 84 Resp: 25723
Ion Ratio Lower Upper
84 100
86 59.9 45.3 84.1
49 118.6 86.6 160.8



#22
2-Butanone
Concen: 5.057 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.012 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

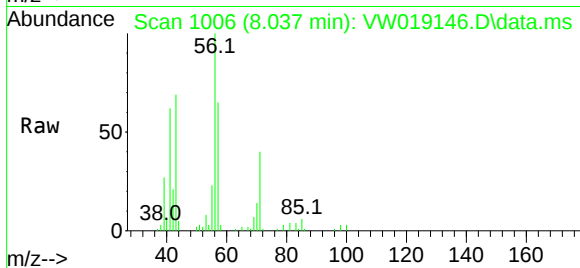
Tgt Ion: 43 Resp: 11944
Ion Ratio Lower Upper
43 100
72 28.2 14.9 44.7



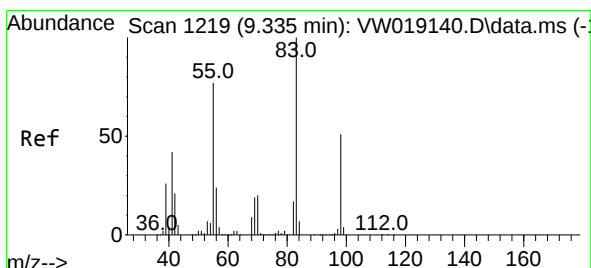
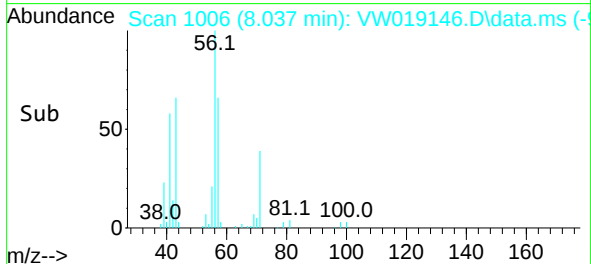
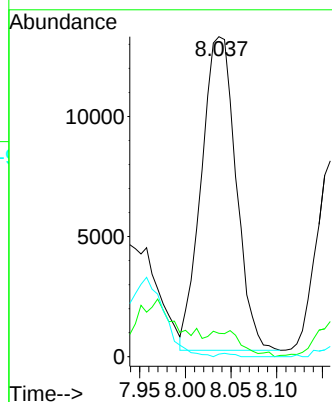


#29
Cyclohexane
Concen: 3.609 ug/L
RT: 8.037 min Scan# 1006
Delta R.T. 0.079 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

Instrument :
MSVOA_W
ClientSampled :

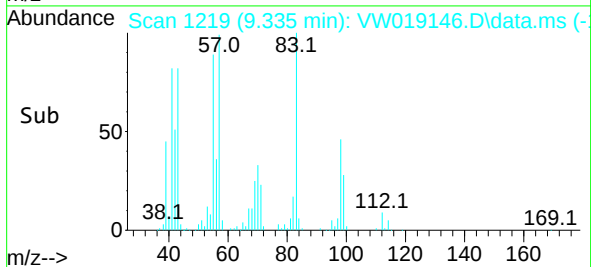
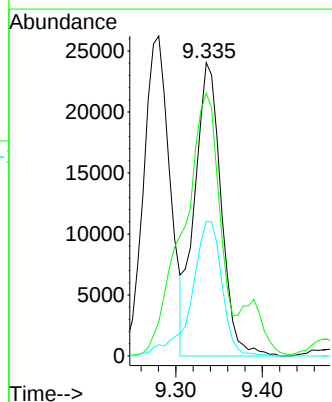
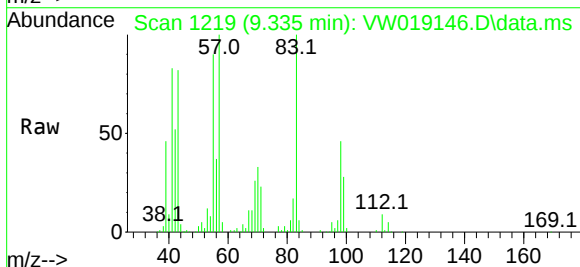


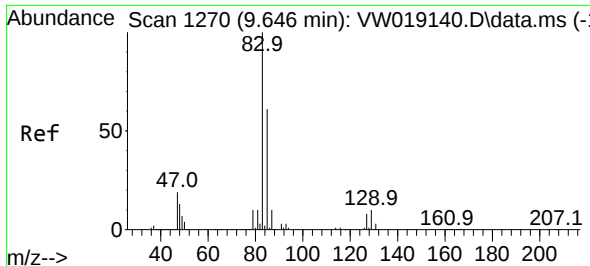
Tgt Ion: 56 Resp: 34427
Ion Ratio Lower Upper
56 100
69 0.9 24.5 36.7#
84 0.5 75.0 112.4#



#35
Methylcyclohexane
Concen: 4.732 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

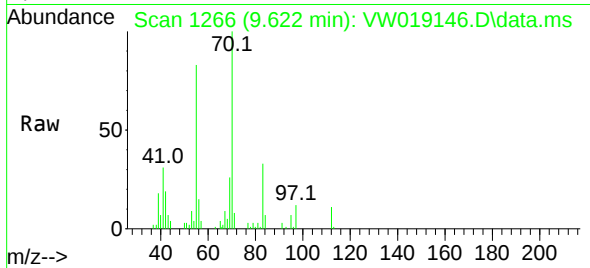
Tgt Ion: 83 Resp: 51192
Ion Ratio Lower Upper
83 100
55 121.7 58.9 88.3#
98 48.4 40.1 60.1



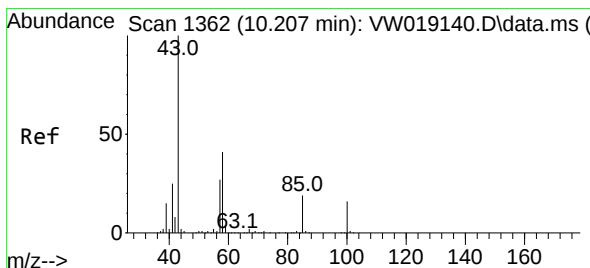
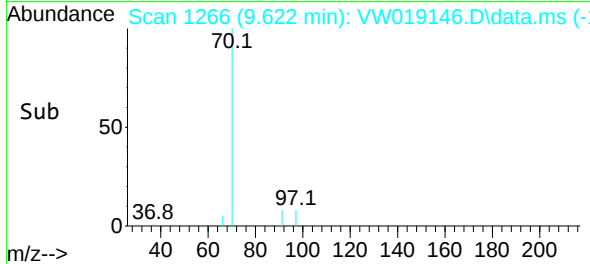
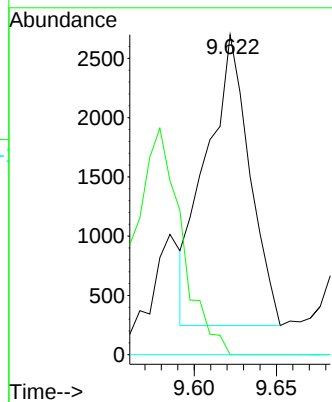


#38
Bromodichloromethane
Concen: 0.583 ug/L
RT: 9.622 min Scan# 1266
Delta R.T. -0.025 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

Instrument :
MSVOA_W
ClientSampled :

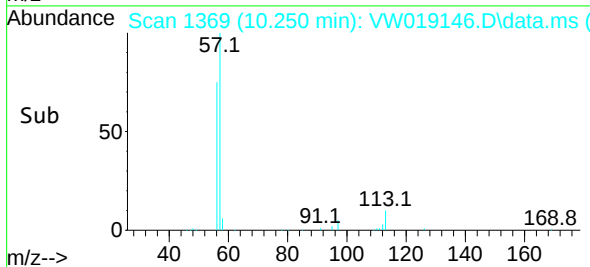
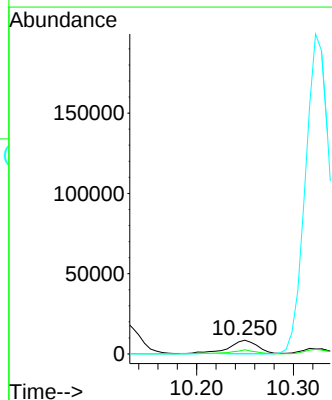
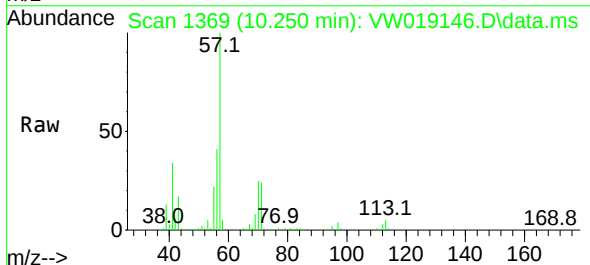


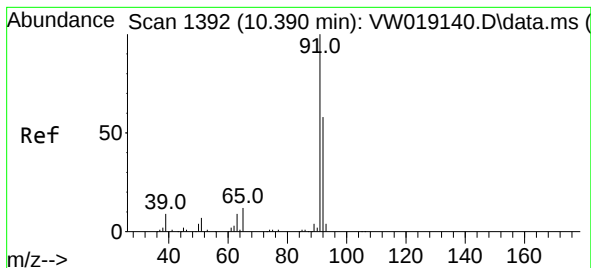
Tgt Ion: 83 Resp: 4480
Ion Ratio Lower Upper
83 100
85 0.0 42.3 78.5#
127 0.0 6.6 9.8#



#40
4-Methyl-2-pentanone
Concen: 4.763 ug/L
RT: 10.250 min Scan# 1369
Delta R.T. 0.042 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

Tgt Ion: 43 Resp: 16804
Ion Ratio Lower Upper
43 100
58 25.8 31.0 46.4#
100 0.0 13.0 19.6#





#42

Toluene

Concen: 0.356 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VW019146.D

Acq: 07 Jun 2021 13:24

Tgt Ion: 91 Resp: 9239

Ion Ratio Lower Upper

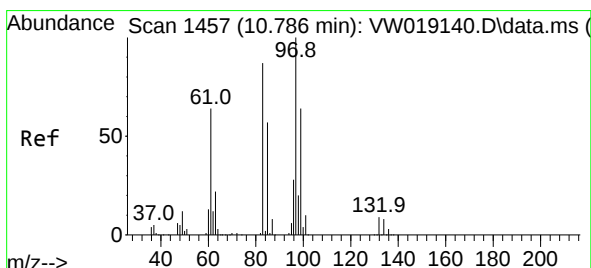
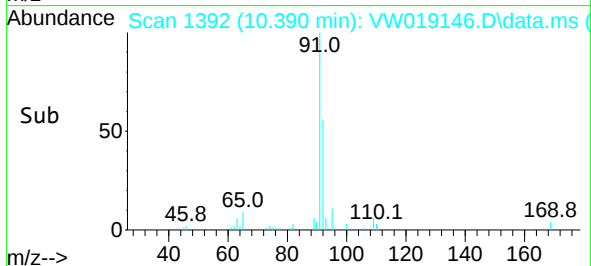
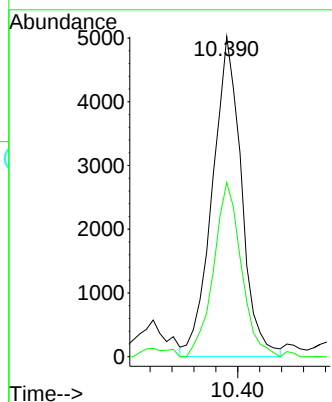
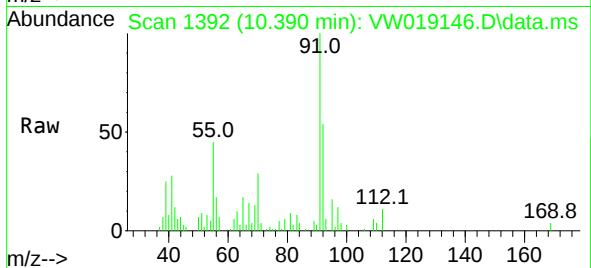
91 100

92 54.4 39.5 73.3

Instrument :

MSVOA_W

ClientSampled :



#45

1,1,2-Trichloroethane

Concen: 7.407 ug/L

RT: 10.762 min Scan# 1453

Delta R.T. -0.025 min

Lab File: VW019146.D

Acq: 07 Jun 2021 13:24

Tgt Ion: 97 Resp: 33035

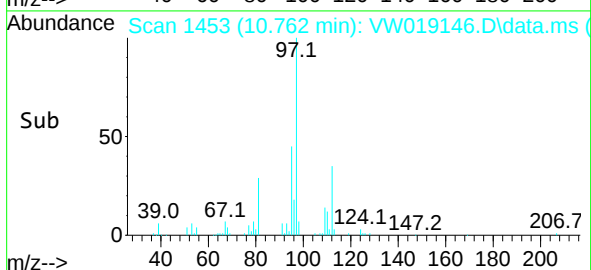
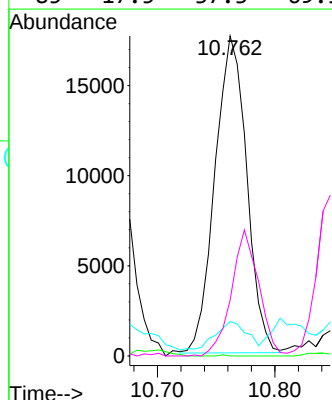
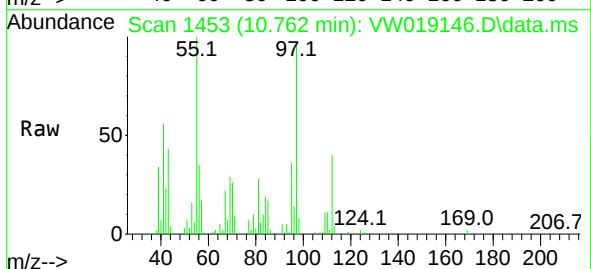
Ion Ratio Lower Upper

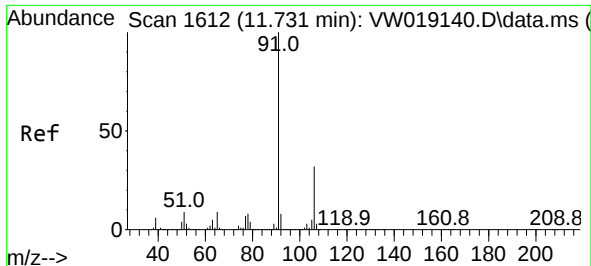
97 100

99 0.0 45.1 83.7#

83 10.8 58.1 107.9#

85 17.5 37.3 69.3#

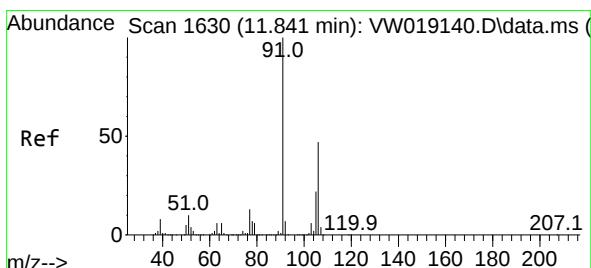
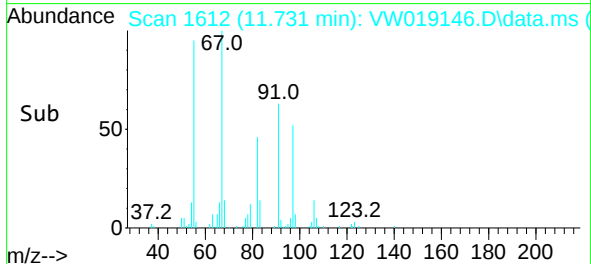
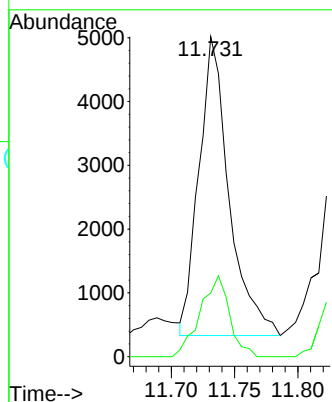
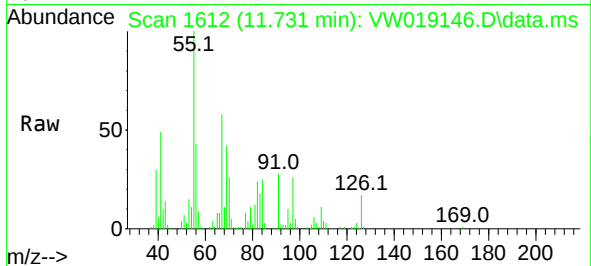




#52
Ethylbenzene
Concen: 0.272 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

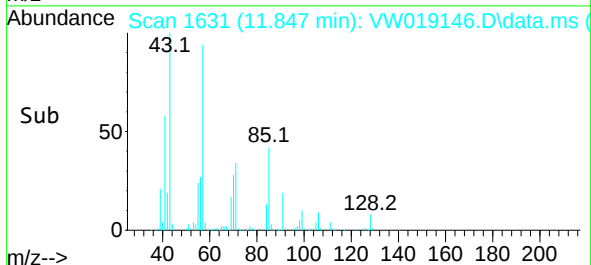
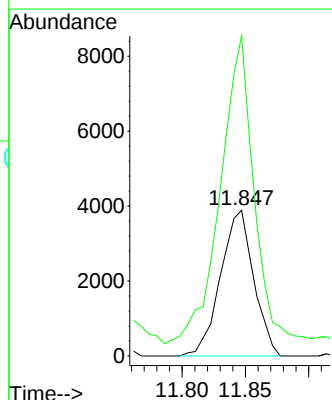
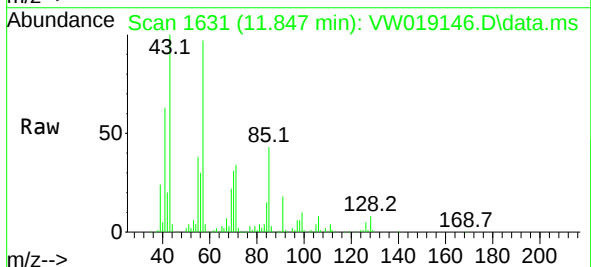
Instrument :
MSVOA_W
ClientSampled :

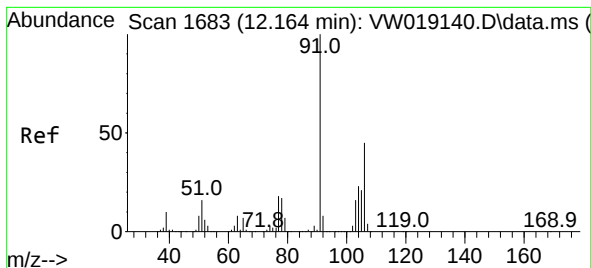
Tgt Ion: 91 Resp: 7768
Ion Ratio Lower Upper
91 100
106 19.9 22.5 41.7#



#53
m,p-Xylene
Concen: 0.672 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

Tgt Ion:106 Resp: 7076
Ion Ratio Lower Upper
106 100
91 219.5 141.3 262.3





#54

o-Xylene

Concen: 1.162 ug/L

RT: 12.170 min Scan# 1684

Delta R.T. 0.006 min

Lab File: VW019146.D

Acq: 07 Jun 2021 13:24

Tgt Ion:106 Resp: 11649

Ion Ratio Lower Upper

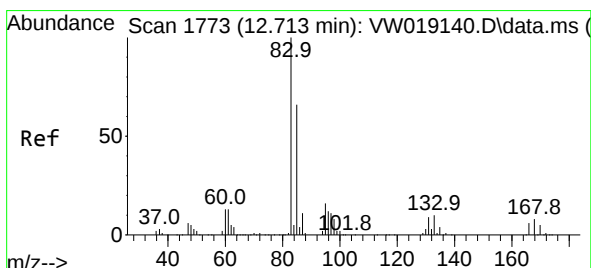
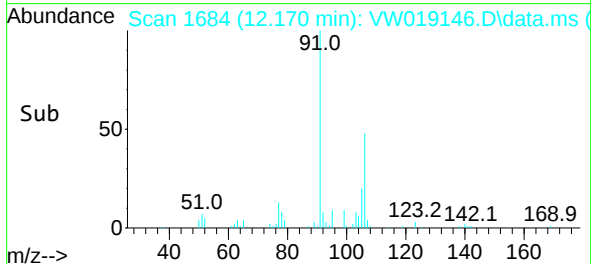
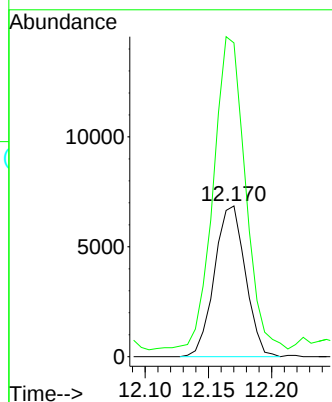
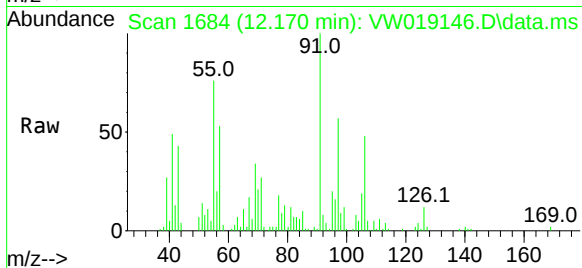
106 100

91 208.2 150.0 278.6

Instrument :

MSVOA_W

ClientSampled :



#57

1,1,2,2-Tetrachloroethane

Concen: 0.622 ug/L

RT: 12.700 min Scan# 1771

Delta R.T. -0.012 min

Lab File: VW019146.D

Acq: 07 Jun 2021 13:24

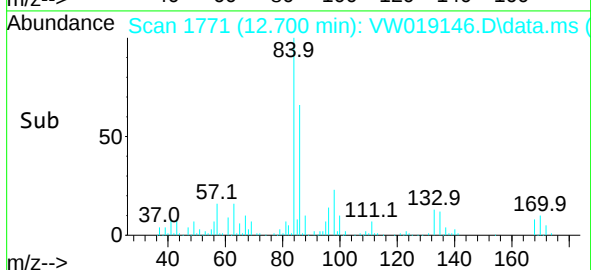
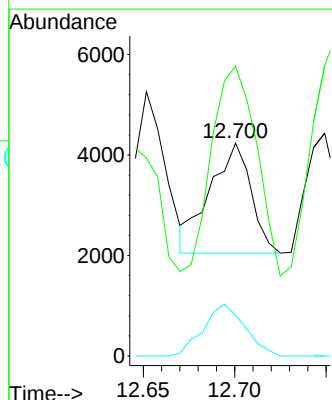
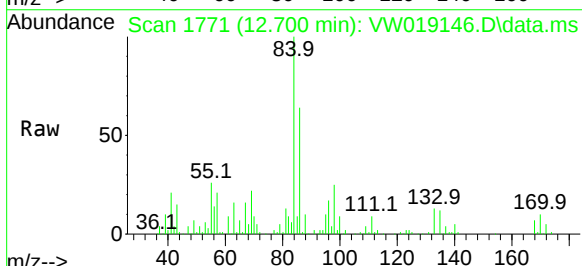
Tgt Ion: 83 Resp: 3419

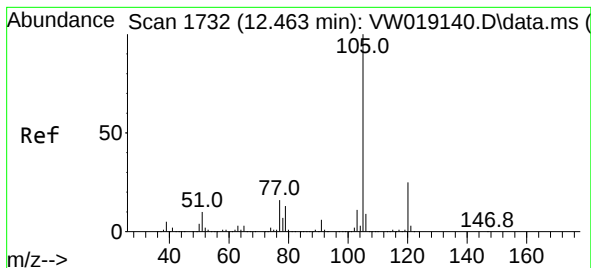
Ion Ratio Lower Upper

83 100

85 136.2 44.4 82.4#

131 19.1 8.2 12.4#

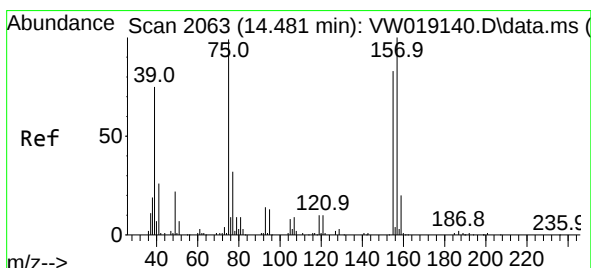
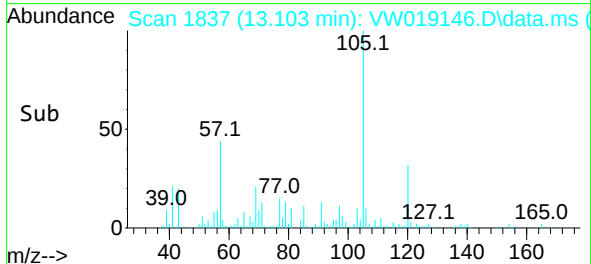
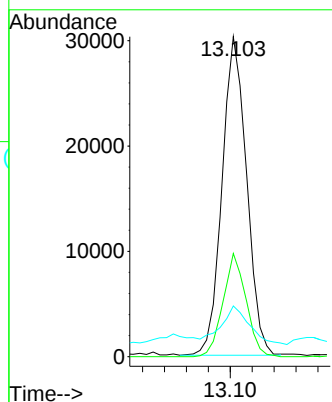
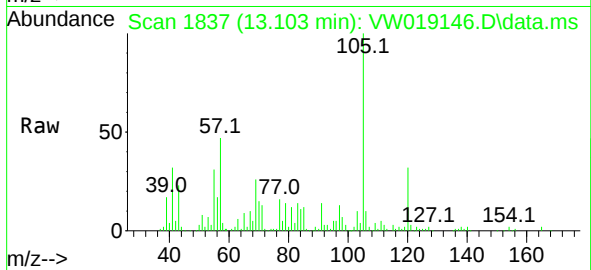




#60
Isopropylbenzene
Concen: 3.411 ug/L
RT: 13.103 min Scan# 1837
Delta R.T. 0.640 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

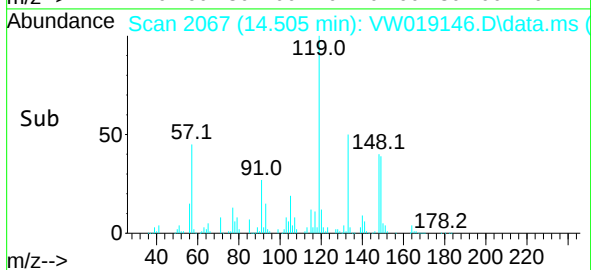
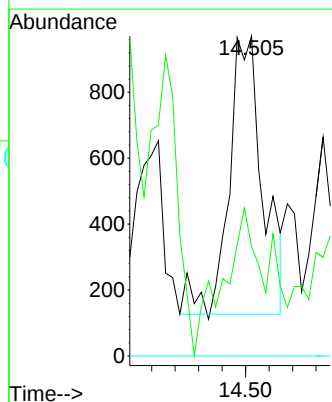
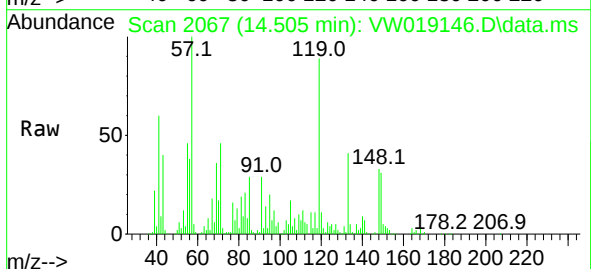
Instrument :
MSVOA_W
ClientSampled :

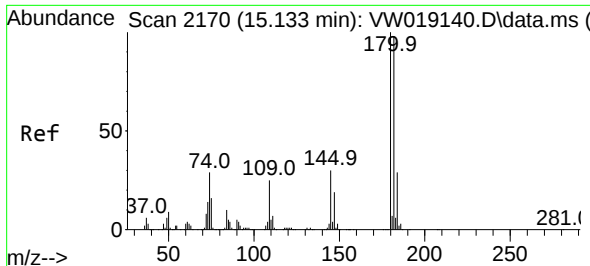
Tgt Ion:105 Resp: 47035
Ion Ratio Lower Upper
105 100
120 30.3 21.1 31.7
77 13.9 13.2 19.8



#68
1,2-Dibromo-3-chloropropane
Concen: 3.758 ug/L
RT: 14.505 min Scan# 2067
Delta R.T. 0.024 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

Tgt Ion: 75 Resp: 1695
Ion Ratio Lower Upper
75 100
155 34.2 59.4 89.0#
157 0.0 72.2 108.2#

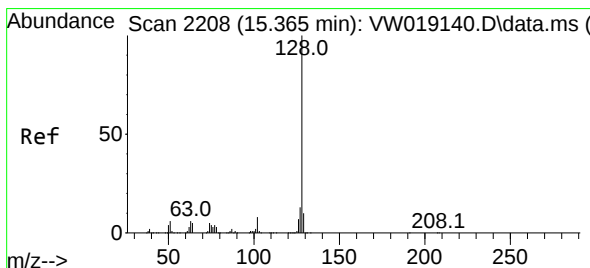
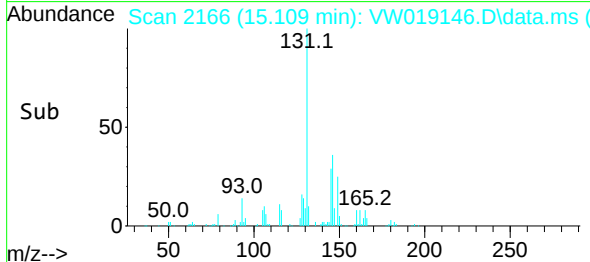
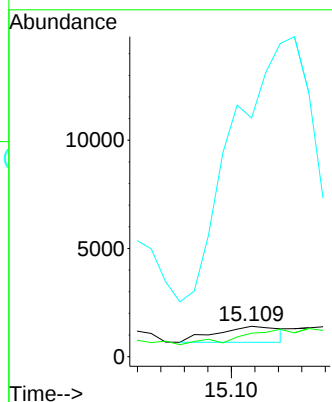
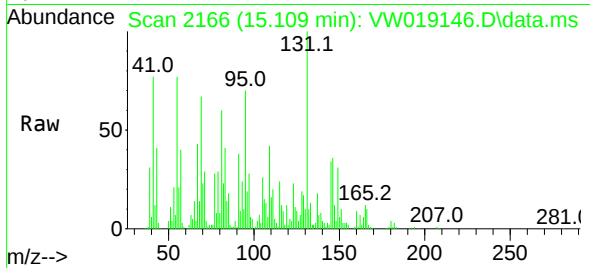




#70
1,2,4-trichlorobenzene
Concen: 0.390 ug/L
RT: 15.109 min Scan# 2166
Delta R.T. -0.025 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

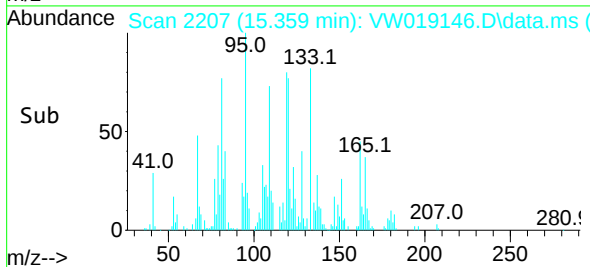
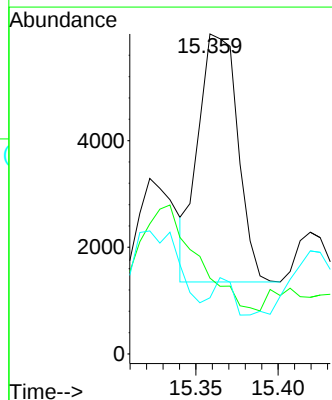
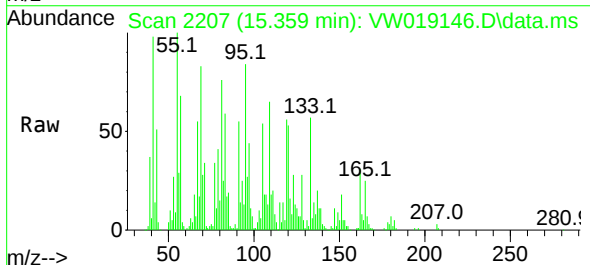
Instrument :
MSVOA_W
ClientSampled :

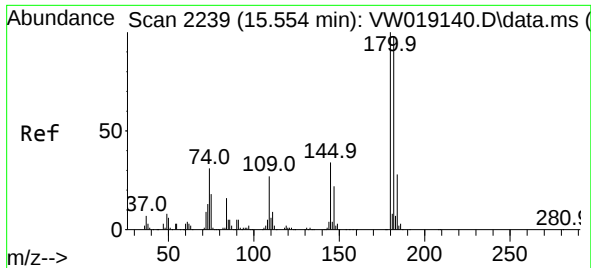
Tgt Ion:180 Resp: 1393
Ion Ratio Lower Upper
180 100
182 61.0 74.7 112.1#
145 0.0 25.0 37.4#



#71
Naphthalene
Concen: 1.090 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.006 min
Lab File: VW019146.D
Acq: 07 Jun 2021 13:24

Tgt Ion:128 Resp: 7754
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 7.7 9.0 13.6#





#72
 1,2,3-Trichlorobenzene
 Concen: 1.267 ug/L
 RT: 15.578 min Scan# 2243
 Delta R.T. 0.024 min
 Lab File: VW019146.D
 Acq: 07 Jun 2021 13:24

Instrument :
 MSVOA_W
 ClientSampled :

Tgt Ion:180 Resp: 4007
 Ion Ratio Lower Upper
 180 100
 182 8.7 76.7 115.1#
 145 594.3 28.9 43.3#

