

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042121\
 Data File : VW018709.D
 Acq On : 21 Apr 2021 13:58
 Operator : SY/VA
 Sample : M2065-14RE
 Misc : 3.49G/10ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 01:22:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Apr 22 01:20:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	592267	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	427703	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	145313	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	119456	13.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.08%
7) Chloroethane-d5	2.898	69	110920	13.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.64%
11) 1,1-Dichloroethene-d2	4.019	63	159384	10.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	40.80%#
21) 2-Butanone-d5	7.080	46	82811	40.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.84%
24) Chloroform-d	7.653	84	316994	19.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.00%
26) 1,2-Dichloroethane-d4	8.305	65	169305	18.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.12%
32) Benzene-d6	8.275	84	545942	21.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.04%
36) 1,2-Dichloropropane-d6	9.274	67	183309	24.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.96%
41) Toluene-d8	10.323	98	429909	18.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.96%
43) trans-1,3-Dichloroprop...	10.579	79	55861	17.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.40%
47) 2-Hexanone-d5	10.927	63	69924	53.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.36%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	134386	21.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.12%
66) 1,2-Dichlorobenzene-d4	13.859	152	106069	20.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.12%
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	21200	14.26	ug/L	89
14) Carbon disulfide	4.385	76	23269	1.00	ug/L #	95
16) Methylene chloride	4.922	84	48263	4.97	ug/L	88
22) 2-Butanone	7.177	43	7819	3.46	ug/L	75
29) Cyclohexane	7.958	56	4662	0.44	ug/L	85
33) Benzene	8.330	78	13887	0.52	ug/L	100
35) Methylcyclohexane	9.335	83	27150	2.26	ug/L #	70
42) Toluene	10.390	91	9371	0.33	ug/L	97
45) 1,1,2-Trichloroethane	10.762	97	8665	1.72	ug/L #	36
48) 2-Hexanone	10.933	43	46579	17.64	ug/L #	46
53) m,p-Xylene	11.835	106	6102	0.52	ug/L	80
54) o-Xylene	12.170	106	9443	0.84	ug/L	85
57) 1,1,2,2-Tetrachloroethane	12.689	83	22505	3.58	ug/L #	85
60) Isopropylbenzene	13.103	105	34650	1.62	ug/L	97
62) 1,3,5-Trimethylbenzene	12.945	105	29037	1.64	ug/L	94
63) 1,2,4-Trimethylbenzene	13.249	105	22018	1.25	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.414	75	2424	3.51	ug/L #	23
70) 1,2,4-trichlorobenzene	15.139	180	1901	0.36	ug/L #	1
71) Naphthalene	15.365	128	42282	3.81	ug/L #	87

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Apr 22 01:22:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 22 01:20:40 2021
Response via : Initial Calibration

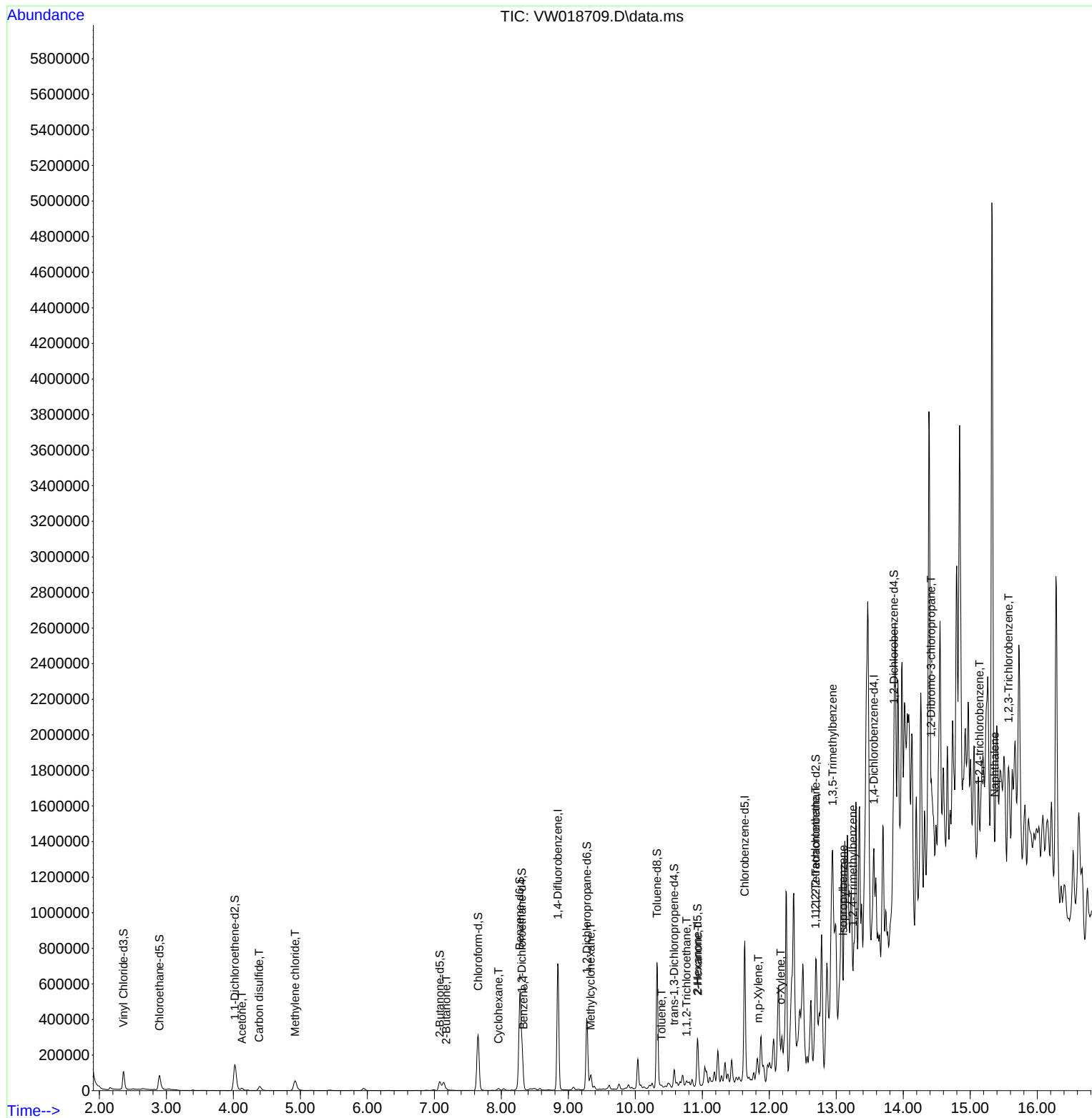
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	15.572	180	7135	1.54	ug/L	# 1

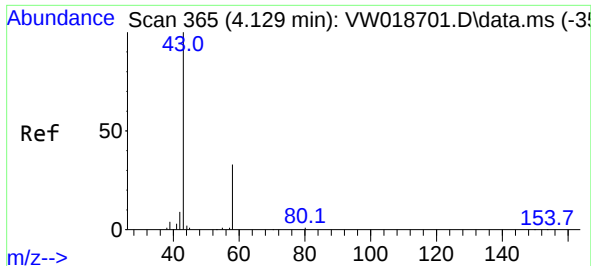
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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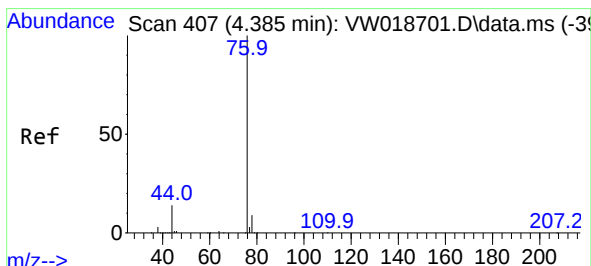
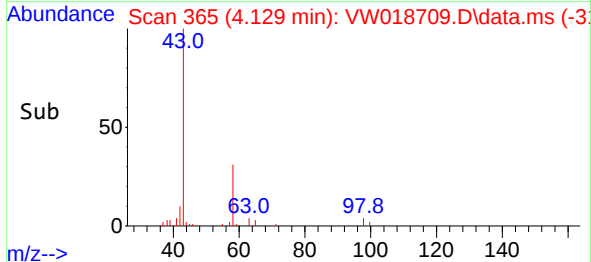
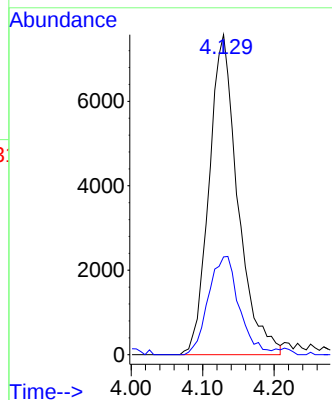
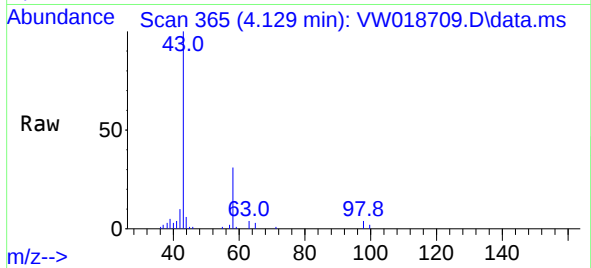




#13
Acetone
Concen: 14.26 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.000 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

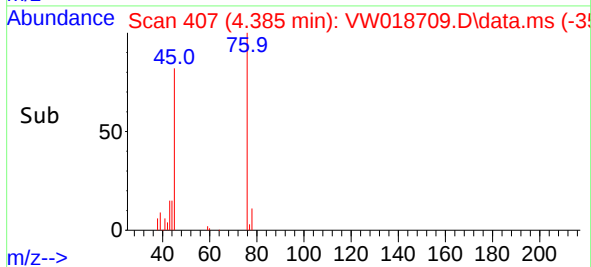
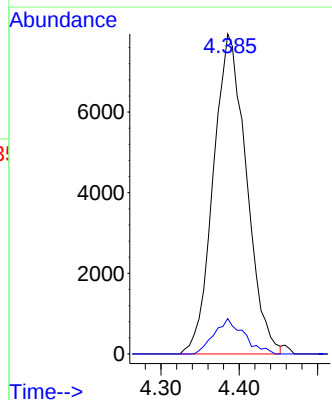
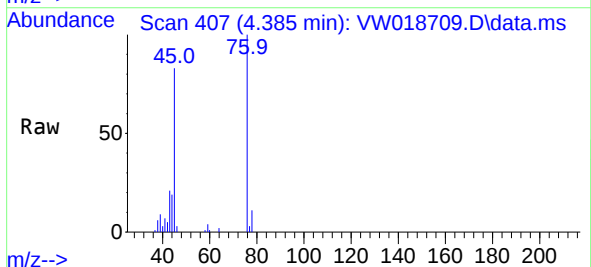
Instrument :
MSVOA_W
ClientSampled :

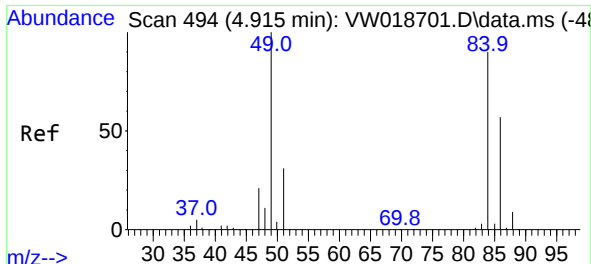
Tgt Ion: 43 Resp: 21200
Ion Ratio Lower Upper
43 100
58 32.8 0.0 53.8



#14
Carbon disulfide
Concen: 1.00 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

Tgt Ion: 76 Resp: 23269
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.0#

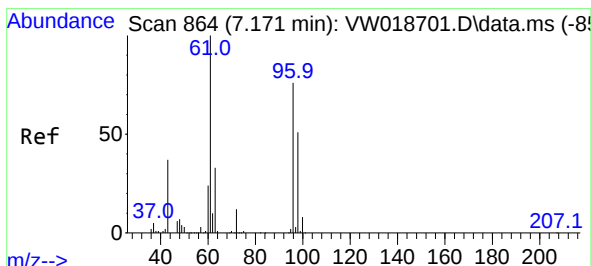
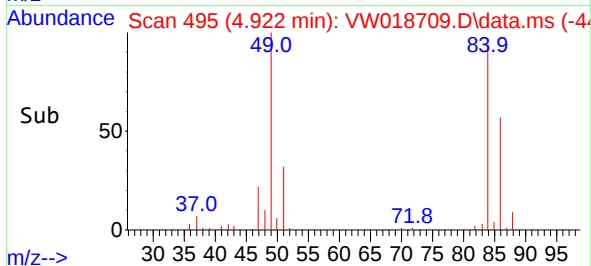
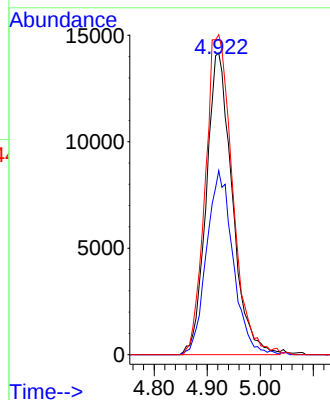
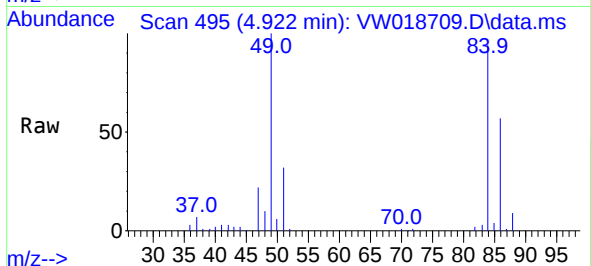




#16
Methylene chloride
Concen: 4.97 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

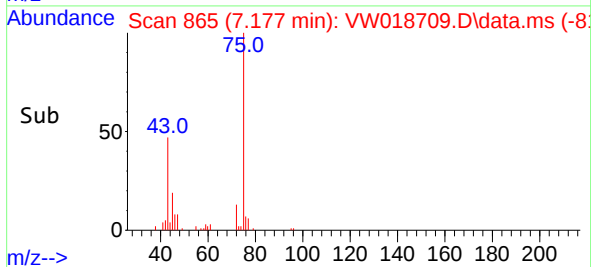
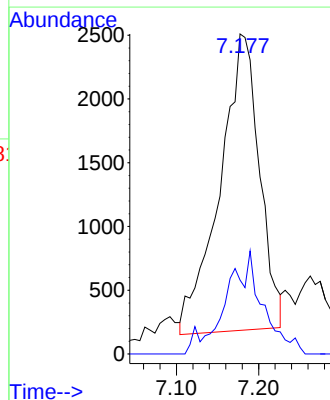
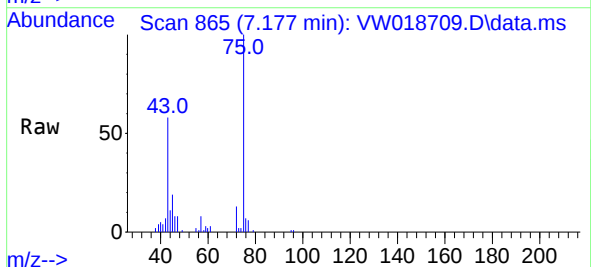
Instrument :
MSVOA_W
ClientSampled :

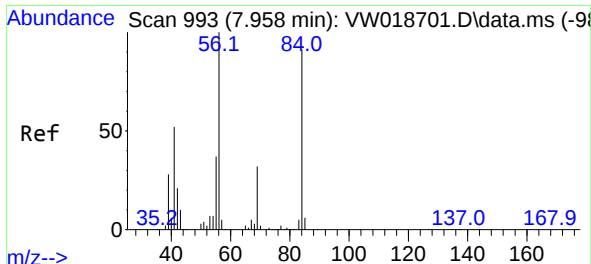
Tgt Ion: 84 Resp: 48263
Ion Ratio Lower Upper
84 100
86 61.0 45.3 84.1
49 106.1 86.6 160.8



#22
2-Butanone
Concen: 3.46 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

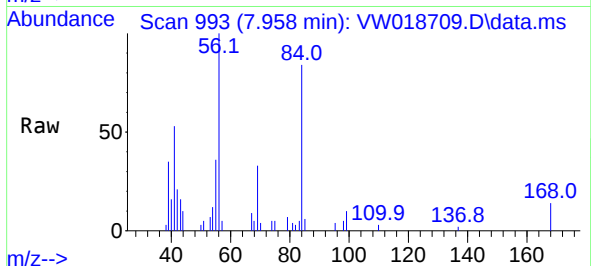
Tgt Ion: 43 Resp: 7819
Ion Ratio Lower Upper
43 100
72 16.5 14.9 44.7



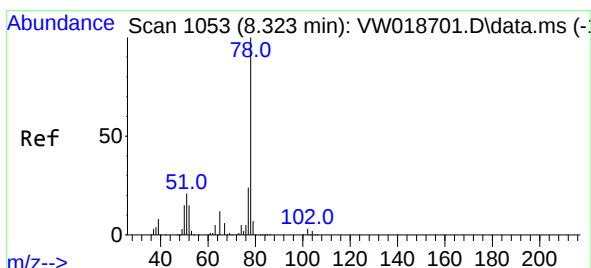
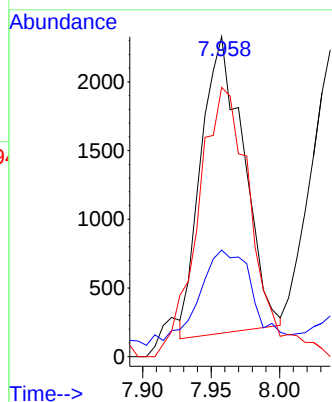
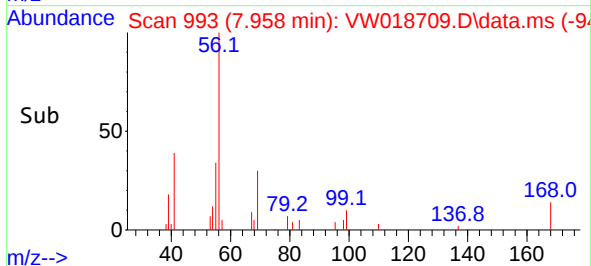


#29
Cyclohexane
Concen: 0.44 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

Instrument :
MSVOA_W
ClientSampled :

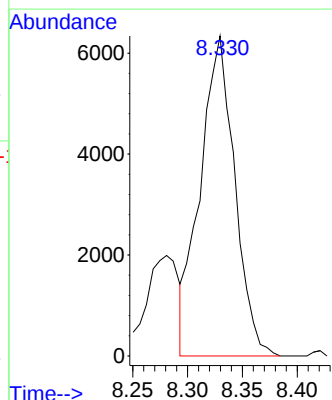
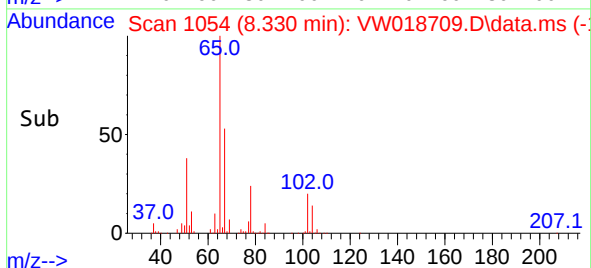
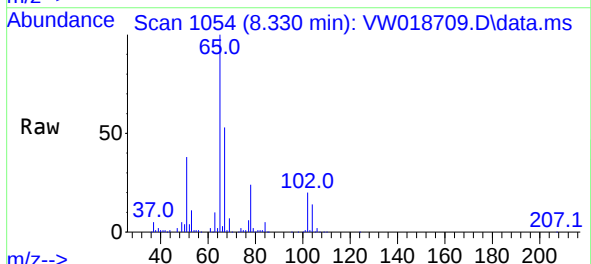


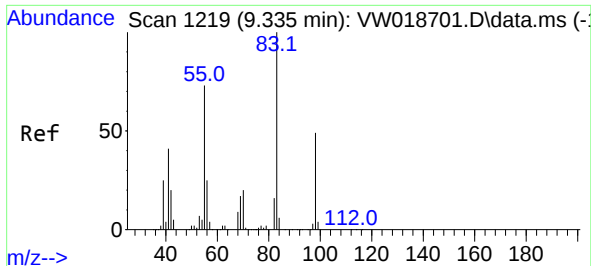
Tgt Ion: 56 Resp: 4662
Ion Ratio Lower Upper
56 100
69 25.6 24.5 36.7
84 109.4 75.0 112.4



#33
Benzene
Concen: 0.52 ug/L
RT: 8.330 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

Tgt Ion: 78 Resp: 13887

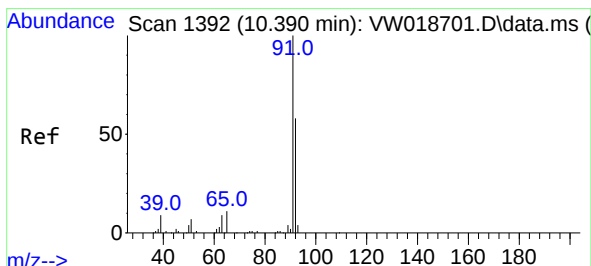
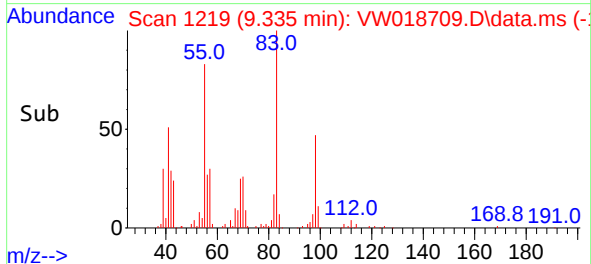
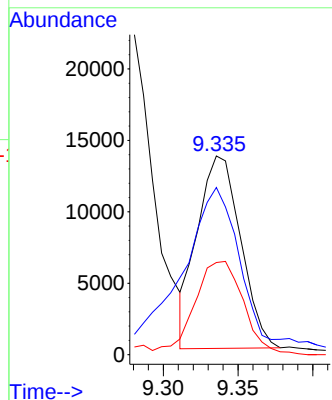
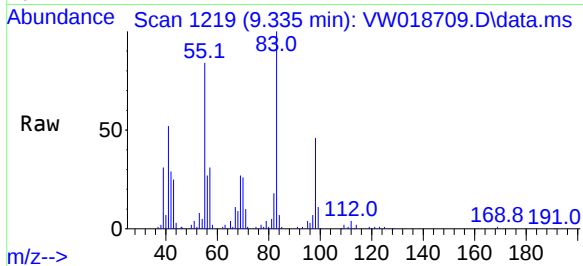




#35
Methylcyclohexane
Concen: 2.26 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

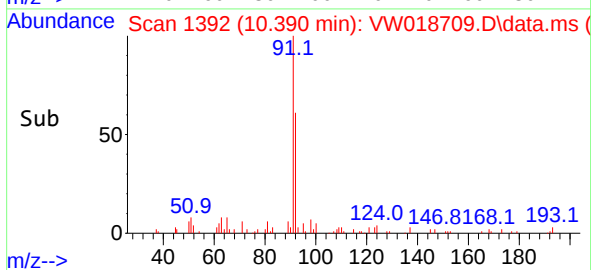
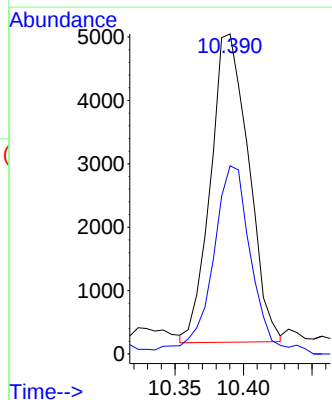
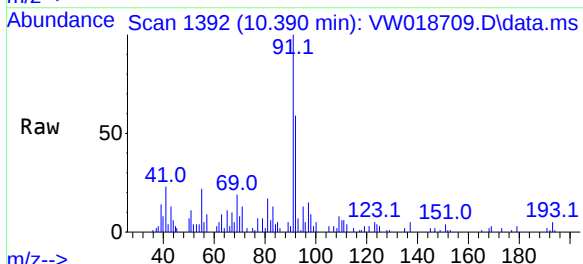
Instrument :
MSVOA_W
ClientSampled :

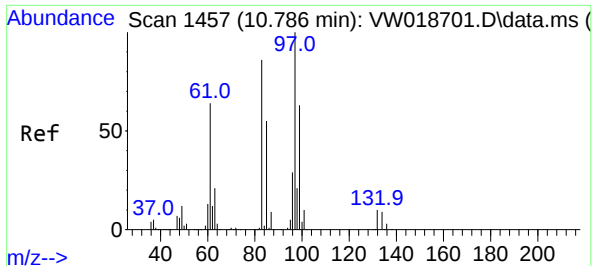
Tgt Ion: 83 Resp: 27150
Ion Ratio Lower Upper
83 100
55 112.3 58.9 88.3#
98 54.8 40.1 60.1



#42
Toluene
Concen: 0.33 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

Tgt Ion: 91 Resp: 9371
Ion Ratio Lower Upper
91 100
92 58.8 39.5 73.3

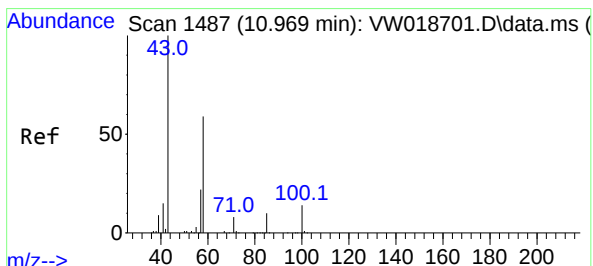
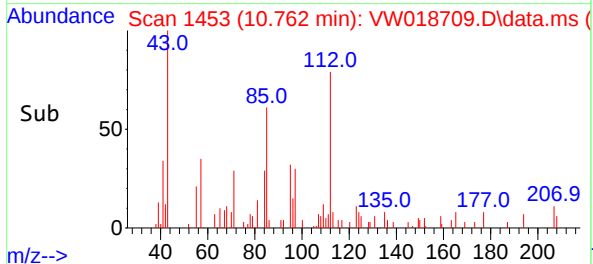
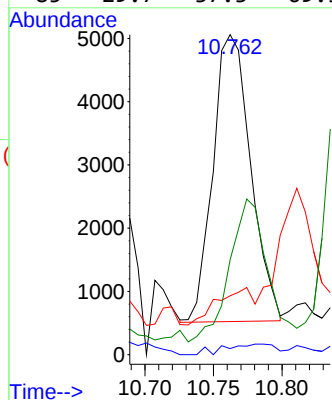
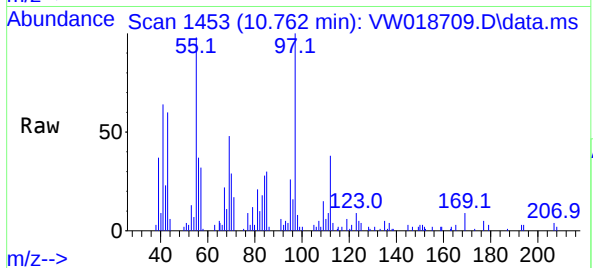




#45
1,1,2-Trichloroethane
Concen: 1.72 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

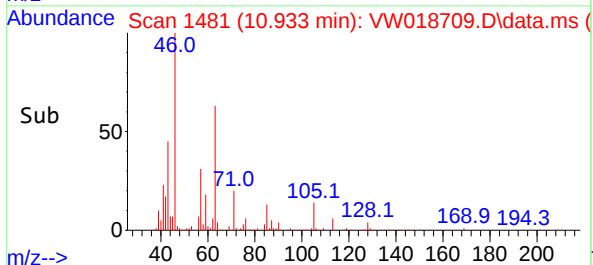
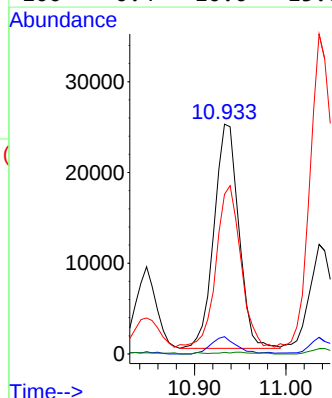
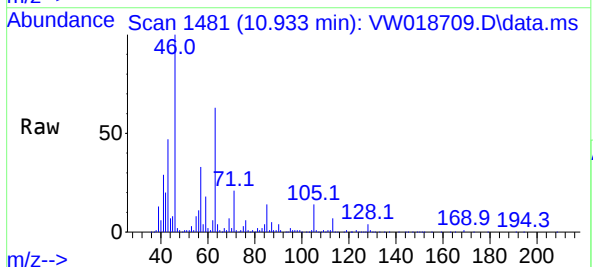
Instrument :
MSVOA_W
ClientSampled :

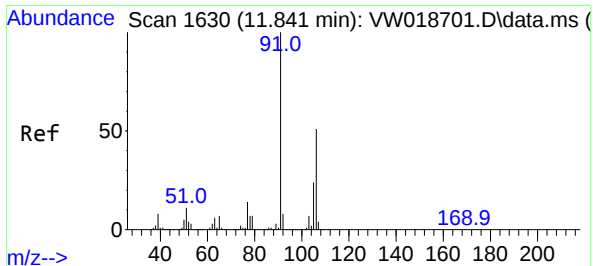
Tgt Ion:	97	Resp:	8665
Ion	Ratio	Lower	Upper
97	100		
99	1.9	45.1	83.7#
83	18.4	58.1	107.9#
85	29.7	37.3	69.3#



#48
2-Hexanone
Concen: 17.64 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.036 min
Lab File: VW018709.D
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Tgt Ion:	43	Resp:	46579
Ion	Ratio	Lower	Upper
43	100		
58	7.7	42.7	64.1#
57	0.0	15.8	23.8#
100	0.4	10.0	15.0#

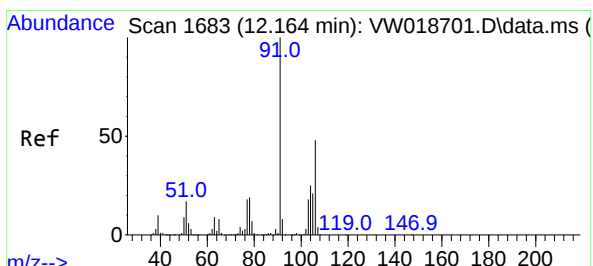
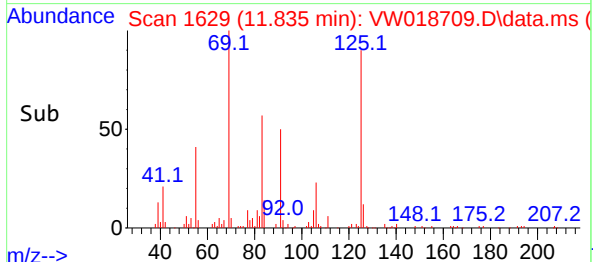
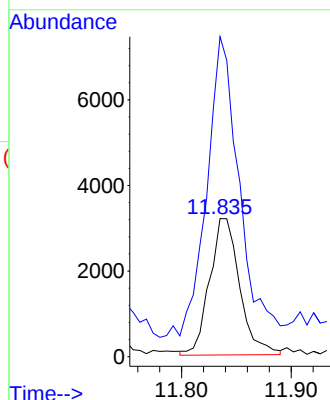
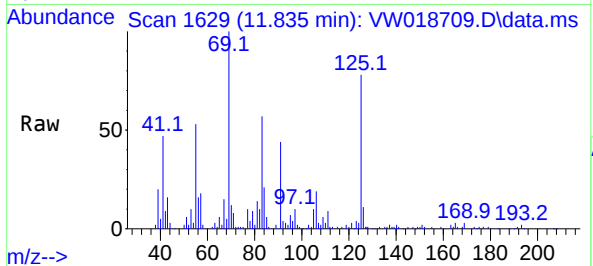




#53
m,p-Xylene
Concen: 0.52 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

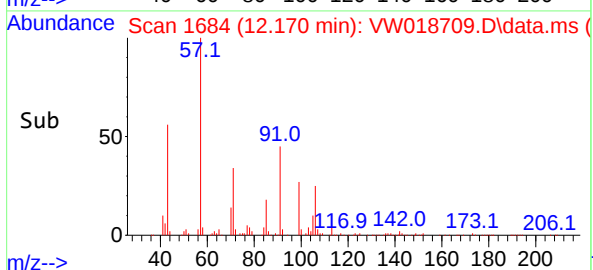
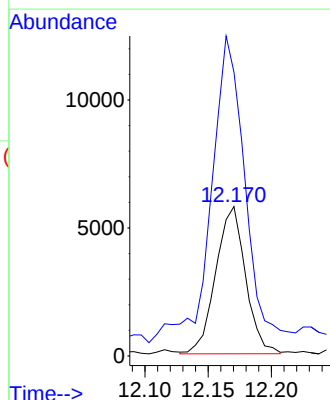
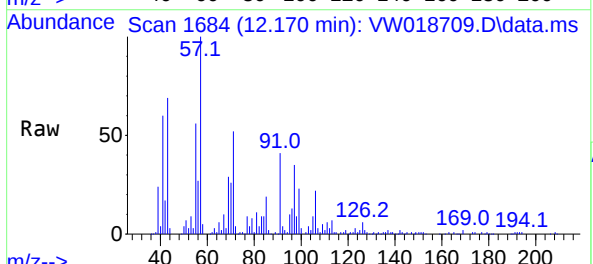
Instrument :
MSVOA_W
ClientSampled :

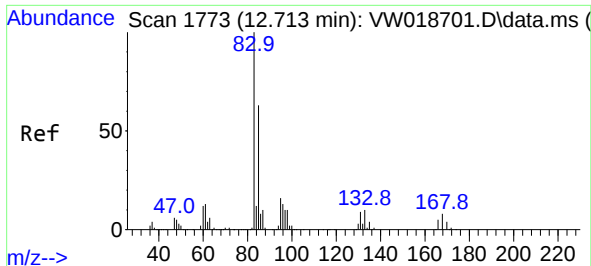
Tgt Ion:106 Resp: 6102
Ion Ratio Lower Upper
106 100
91 231.7 141.3 262.3



#54
o-Xylene
Concen: 0.84 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
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Tgt Ion:106 Resp: 9443
Ion Ratio Lower Upper
106 100
91 190.0 150.0 278.6

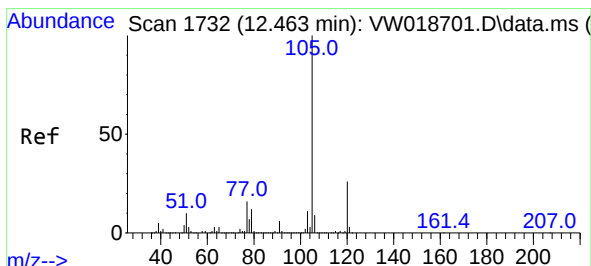
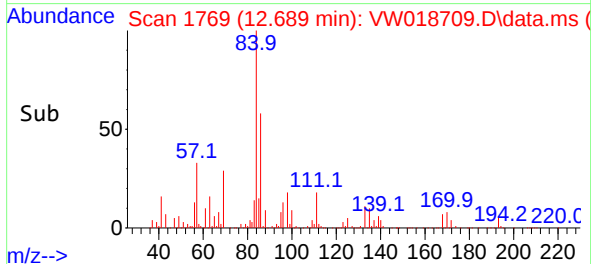
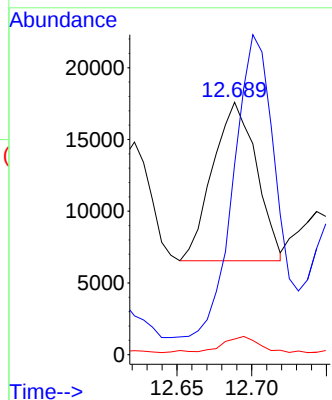
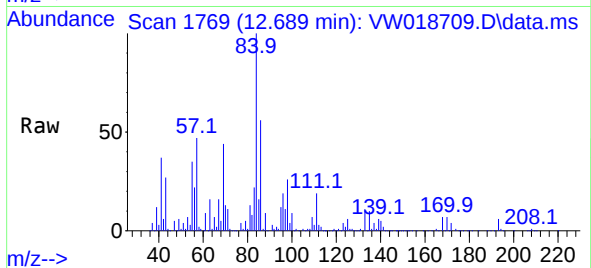




#57
1,1,2,2-Tetrachloroethane
Concen: 3.58 ug/L
RT: 12.689 min Scan# 1769
Delta R.T. -0.024 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

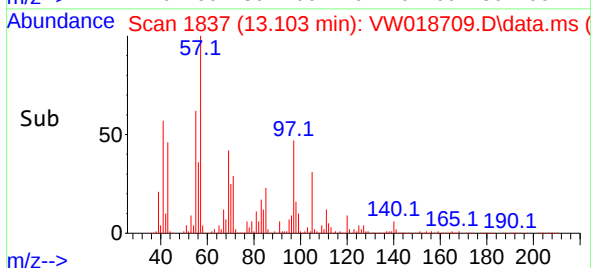
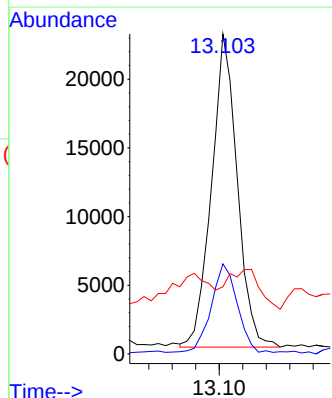
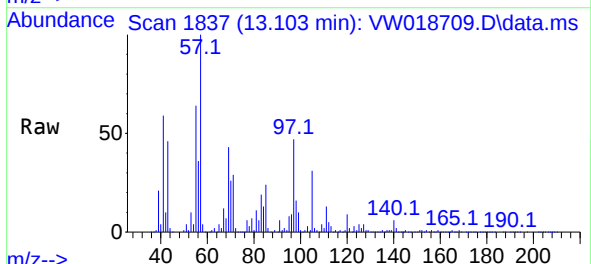
Instrument :
MSVOA_W
ClientSampleId :

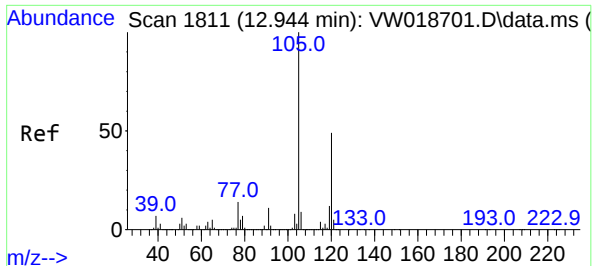
Tgt Ion: 83 Resp: 22505
Ion Ratio Lower Upper
83 100
85 75.4 44.4 82.4
131 6.2 8.2 12.4#



#60
Isopropylbenzene
Concen: 1.62 ug/L
RT: 13.103 min Scan# 1837
Delta R.T. 0.640 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

Tgt Ion:105 Resp: 34650
Ion Ratio Lower Upper
105 100
120 28.3 21.1 31.7
77 16.1 13.2 19.8

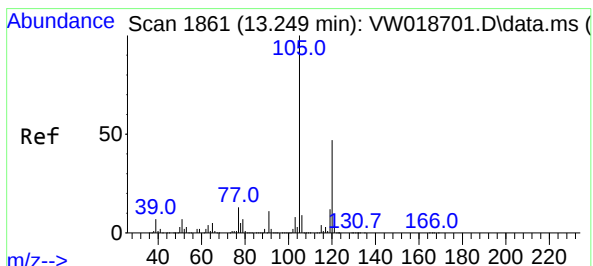
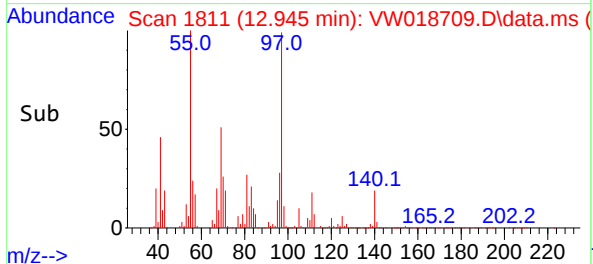
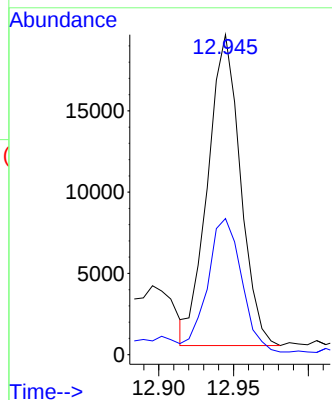
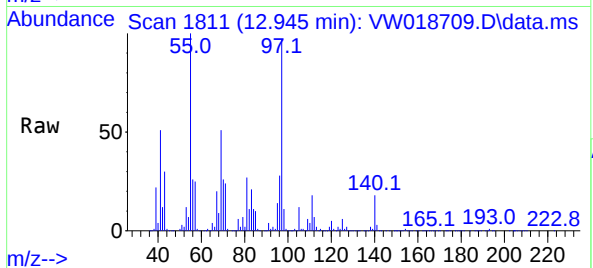




#62
1,3,5-Trimethylbenzene
Concen: 1.64 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

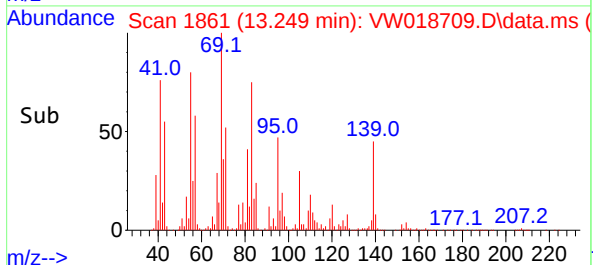
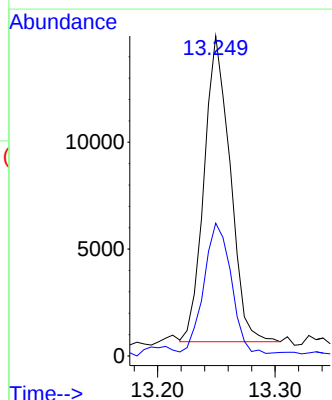
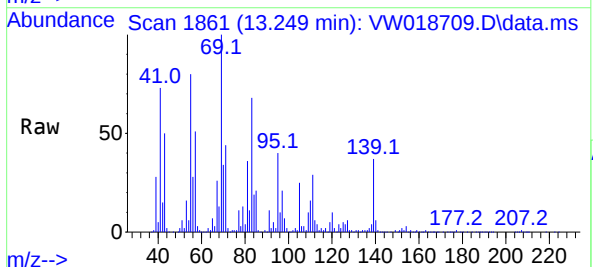
Instrument :
MSVOA_W
ClientSampled :

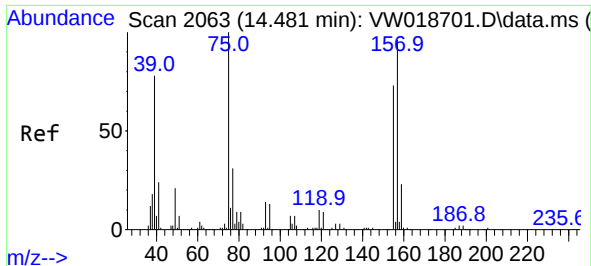
Tgt Ion:105 Resp: 29037
Ion Ratio Lower Upper
105 100
120 44.7 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 1.25 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

Tgt Ion:105 Resp: 22018
Ion Ratio Lower Upper
105 100
120 44.3 35.6 53.4

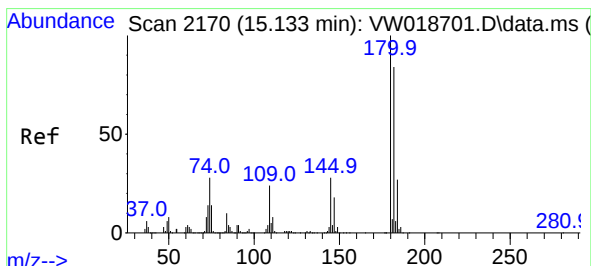
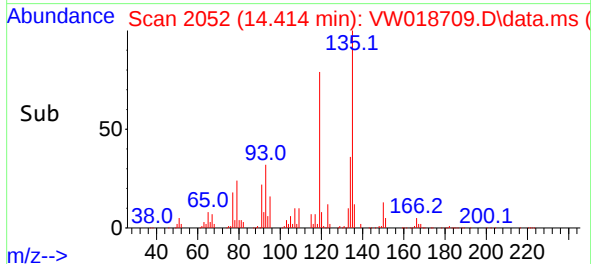
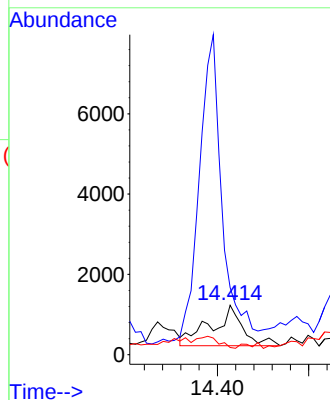
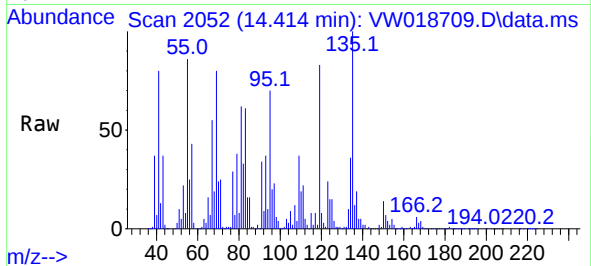




#68
1,2-Dibromo-3-chloropropane
Concen: 3.51 ug/L
RT: 14.414 min Scan# 2052
Delta R.T. -0.067 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

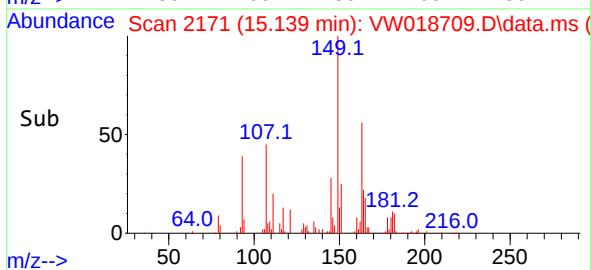
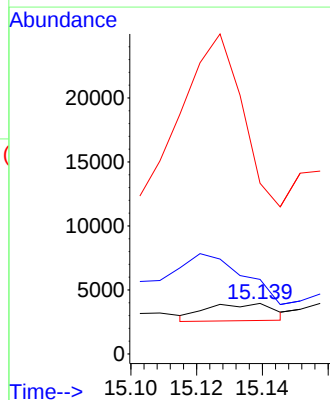
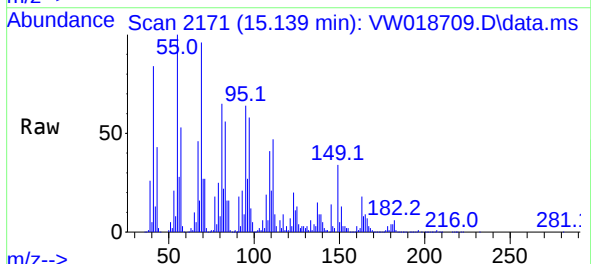
Instrument :
MSVOA_W
ClientSampleId :

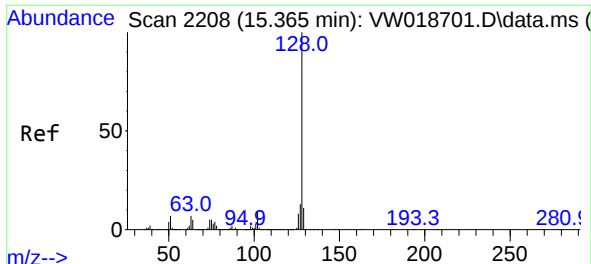
Tgt Ion: 75 Resp: 2424
Ion Ratio Lower Upper
75 100
155 135.9 59.4 89.0#
157 14.4 72.2 108.2#



#70
1,2,4-trichlorobenzene
Concen: 0.36 ug/L
RT: 15.139 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

Tgt Ion: 180 Resp: 1901
Ion Ratio Lower Upper
180 100
182 620.0 74.7 112.1#
145 2579.2 25.0 37.4#

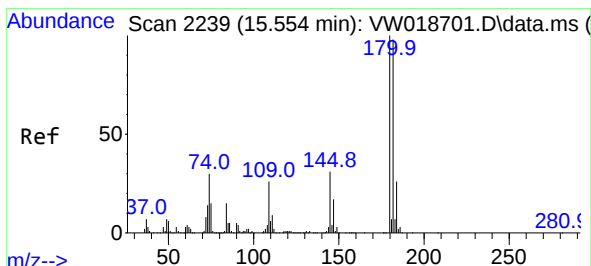
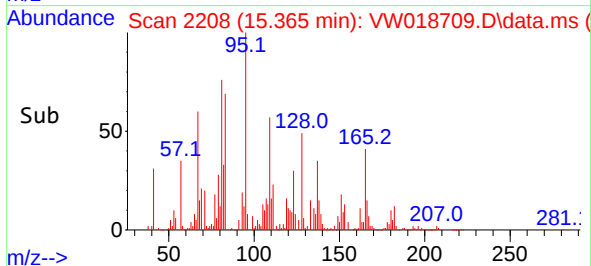
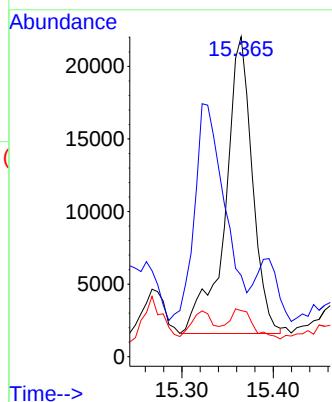
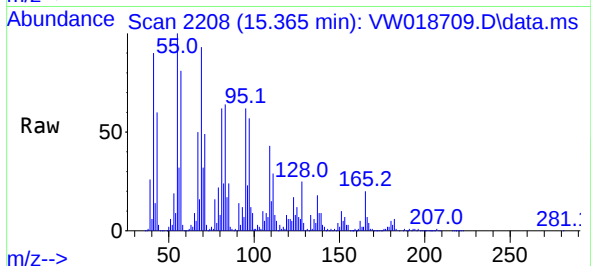




#71
Naphthalene
Concen: 3.81 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:128 Resp: 42282
Ion Ratio Lower Upper
128 100
127 17.4 10.6 15.8#
129 5.6 9.0 13.6#



#72
1,2,3-Trichlorobenzene
Concen: 1.54 ug/L
RT: 15.572 min Scan# 2242
Delta R.T. 0.018 min
Lab File: VW018709.D
Acq: 21 Apr 2021 13:58

Tgt Ion:180 Resp: 7135
Ion Ratio Lower Upper
180 100
182 104.3 76.7 115.1
145 280.8 28.9 43.3#

