

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101121\
 Data File : VW020440.D
 Acq On : 11 Oct 2021 13:23
 Operator : SY/VA
 Sample : M4070-18
 Misc : 3.19g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 12 01:25:01 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	329840	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	262602	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	130081	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	91223	19.007	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.040%
7) Chloroethane-d5	2.879	69	49137	19.382	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.520%
11) 1,1-Dichloroethene-d2	4.013	63	131238	13.345	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.360%
21) 2-Butanone-d5	7.086	46	47516	32.531	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.060%
24) Chloroform-d	7.653	84	180300	17.148	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	68.600%
26) 1,2-Dichloroethane-d4	8.311	65	97577	16.249	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	65.000%#
32) Benzene-d6	8.275	84	370921	21.473	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.880%
36) 1,2-Dichloropropane-d6	9.274	67	126901	22.541	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.160%
41) Toluene-d8	10.323	98	412545	26.618	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.480%
43) trans-1,3-Dichloroprop...	10.579	79	47403	20.721	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.880%
47) 2-Hexanone-d5	10.927	63	36325	41.944	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.880%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	72220	16.971	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	67.880%
66) 1,2-Dichlorobenzene-d4	13.853	152	88544	17.401	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	69.600%#
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	12989	9.686	ug/L	92
29) Cyclohexane	7.952	56	50994	6.633	ug/L #	77
34) Trichloroethene	9.116	95	2174	0.472	ug/L #	17
35) Methylcyclohexane	9.342	83	645180	81.818	ug/L	91
37) 1,2-Dichloropropane	9.342	63	6086	1.256	ug/L #	1
38) Bromodichloromethane	9.616	83	27390	4.716	ug/L #	35
40) 4-Methyl-2-pentanone	10.250	43	19838	6.824	ug/L #	65
45) 1,1,2-Trichloroethane	10.762	97	436727	140.427	ug/L #	22
48) 2-Hexanone	10.939	43	1214499	569.388	ug/L #	27
52) Ethylbenzene	11.731	91	23276	1.144	ug/L #	77
53) m,p-Xylene	11.847	106	21944	2.911	ug/L	91
54) o-Xylene	12.164	106	7694	1.105	ug/L #	55
57) 1,1,2,2-Tetrachloroethane	12.695	83	41391	10.736	ug/L #	96
60) Isopropylbenzene	12.463	105	902883	47.290	ug/L	98
62) 1,3,5-Trimethylbenzene	12.945	105	21553	1.383	ug/L	96
63) 1,2,4-Trimethylbenzene	13.249	105	4395641	284.678	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.456	75	63913	104.997	ug/L #	13
71) Naphthalene	15.365	128	798889	95.264	ug/L #	94
72) 1,2,3-Trichlorobenzene	15.578	180	13512	3.298	ug/L #	1

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Quant Title : SFAM01.0
QLast Update : Tue Oct 12 01:21:43 2021
Response via : Initial Calibration

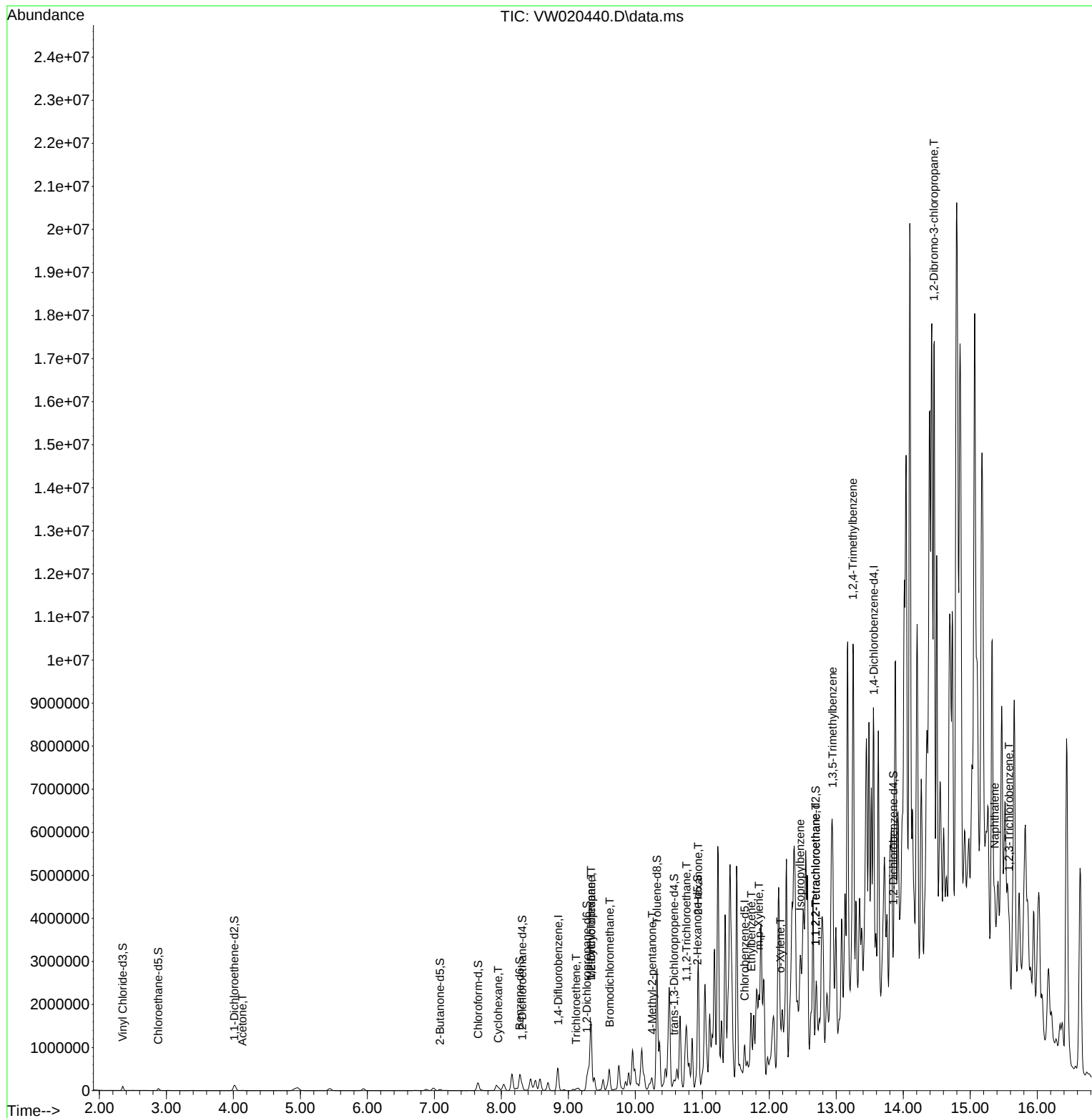
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

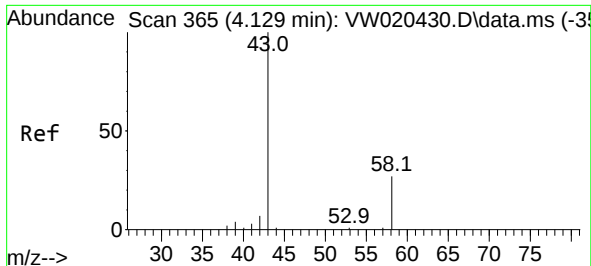
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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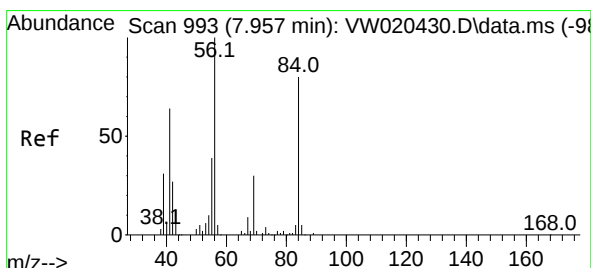
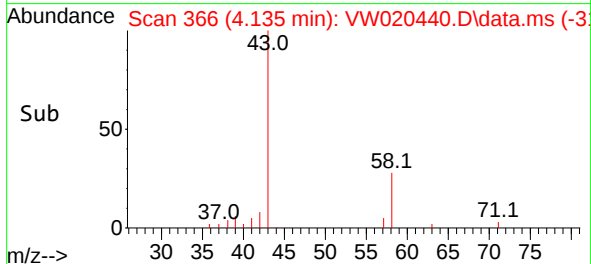
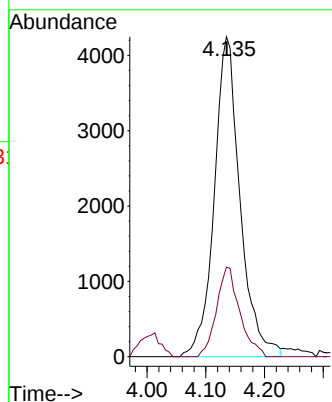
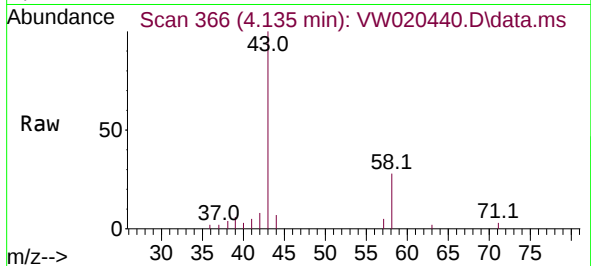




#13
Acetone
Concen: 9.686 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.006 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

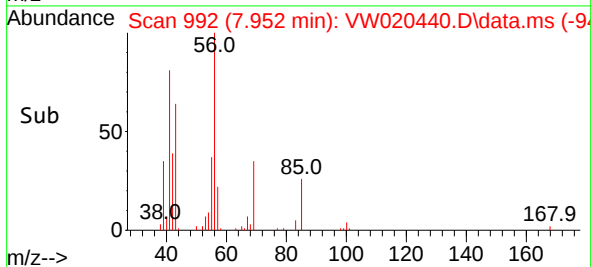
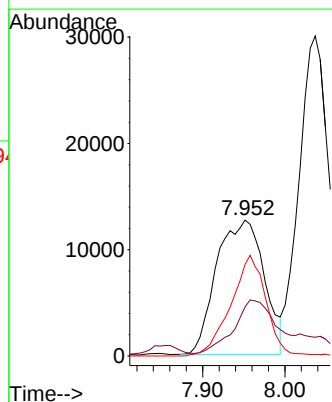
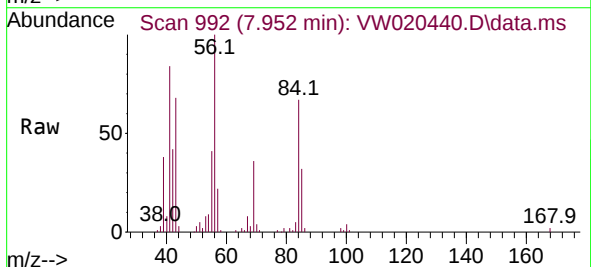
Instrument :
MSVOA_W
ClientSampled :

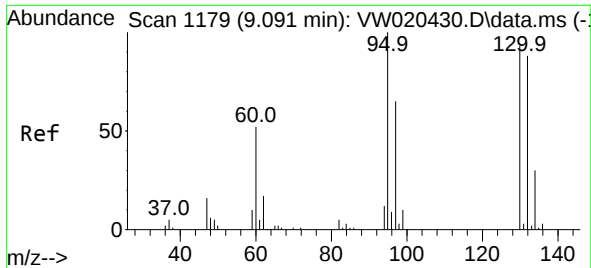
Tgt Ion: 43 Resp: 12989
Ion Ratio Lower Upper
43 100
58 25.1 0.0 58.4



#29
Cyclohexane
Concen: 6.633 ug/L
RT: 7.952 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

Tgt Ion: 56 Resp: 50994
Ion Ratio Lower Upper
56 100
69 35.2 23.2 34.8#
84 55.4 63.7 95.5#



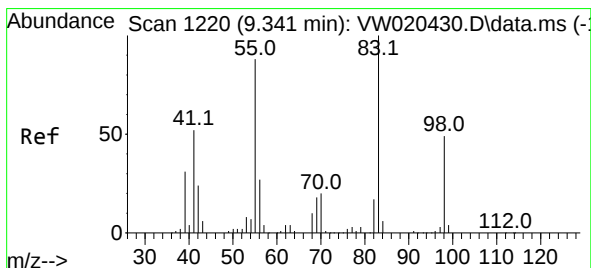
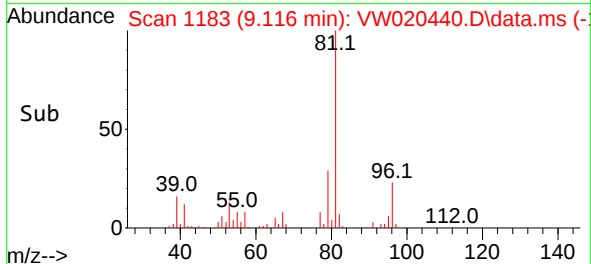
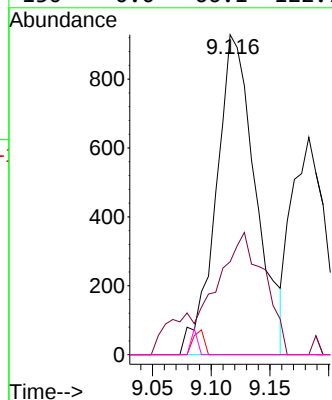
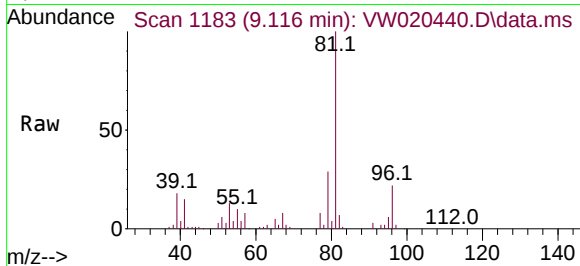


#34
Trichloroethene
Concen: 0.472 ug/L
RT: 9.116 min Scan# 1183
Delta R.T. 0.025 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 95 Resp: 2174

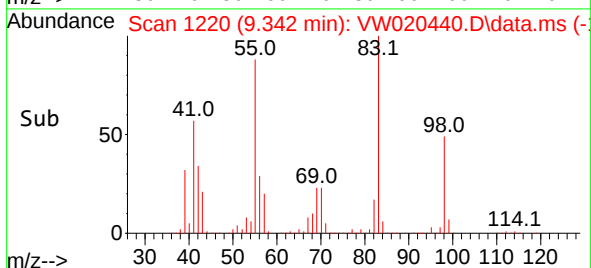
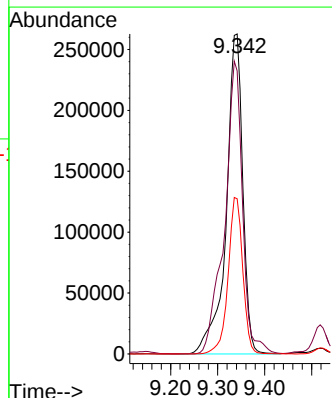
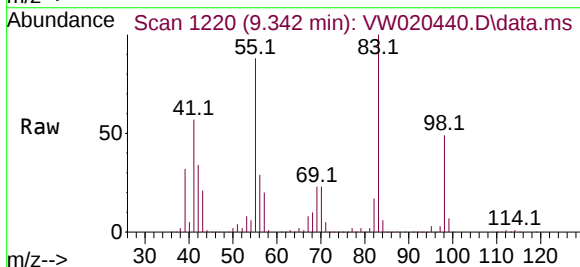
Ion	Ratio	Lower	Upper
95	100		
97	29.1	43.2	80.2#
132	0.0	62.3	115.7#
130	0.0	66.1	122.7#

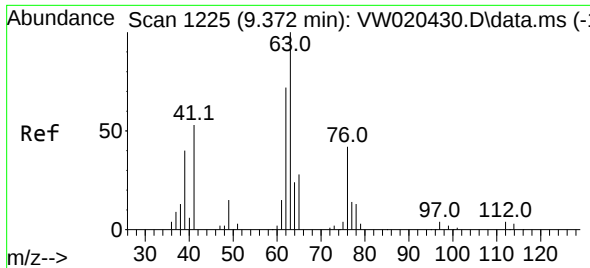


#35
Methylcyclohexane
Concen: 81.818 ug/L
RT: 9.342 min Scan# 1220
Delta R.T. 0.000 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

Tgt Ion: 83 Resp: 645180

Ion	Ratio	Lower	Upper
83	100		
55	97.0	69.7	104.5
98	43.2	38.2	57.2





#37

1,2-Dichloropropane

Concen: 1.256 ug/L

RT: 9.342 min Scan# 1220

Delta R.T. -0.030 min

Lab File: VW020440.D

Acq: 11 Oct 2021 13:23

Tgt Ion: 63 Resp: 6086

Ion Ratio Lower Upper

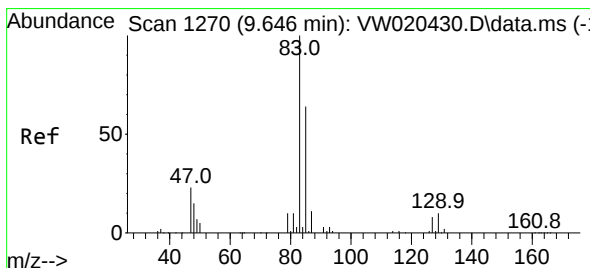
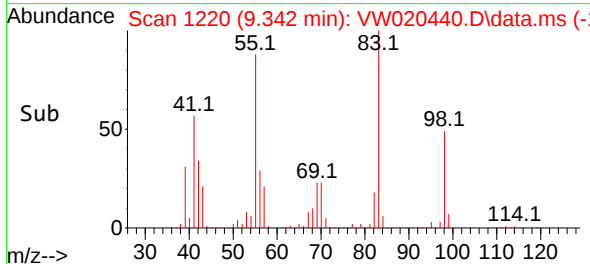
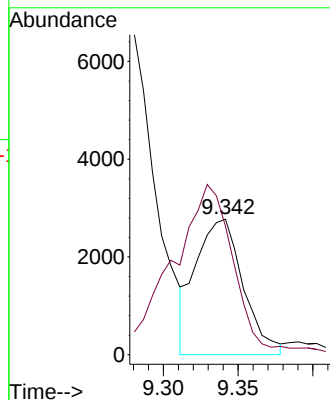
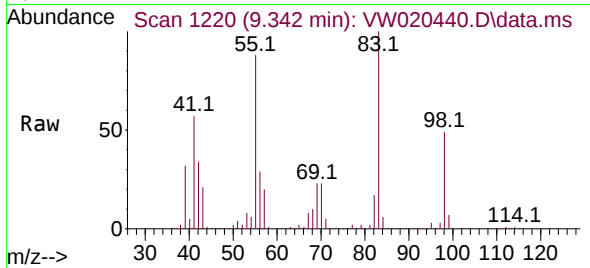
63 100

112 162.0 3.5 5.3#

Instrument :

MSVOA_W

ClientSampleId :



#38

Bromodichloromethane

Concen: 4.716 ug/L

RT: 9.616 min Scan# 1265

Delta R.T. -0.030 min

Lab File: VW020440.D

Acq: 11 Oct 2021 13:23

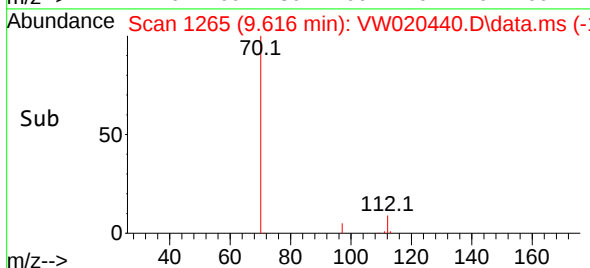
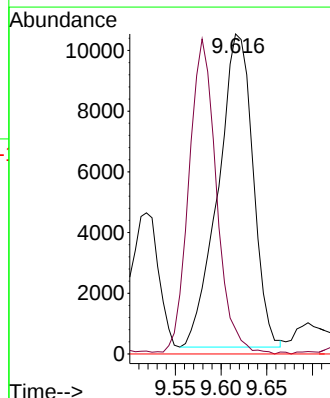
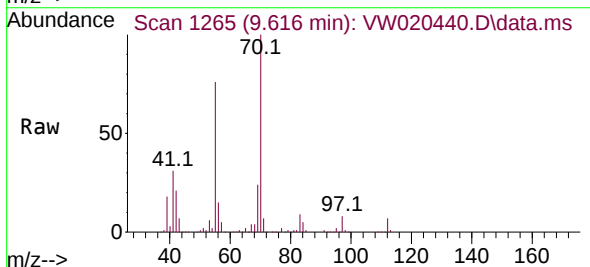
Tgt Ion: 83 Resp: 27390

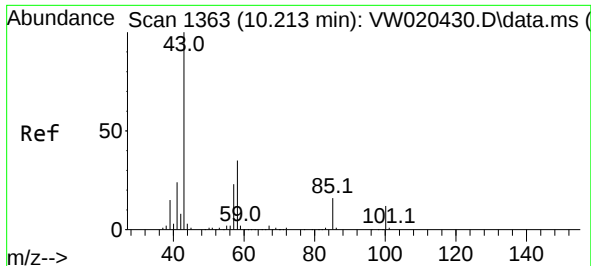
Ion Ratio Lower Upper

83 100

85 7.8 43.4 80.6#

127 0.0 6.2 9.2#

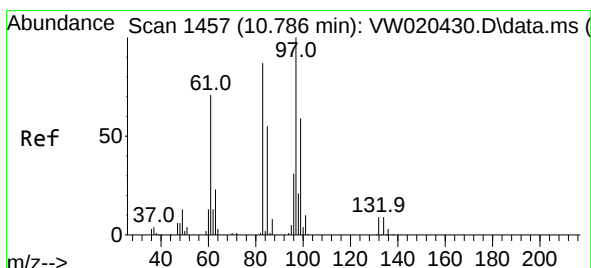
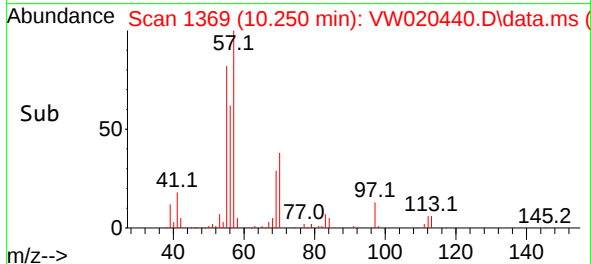
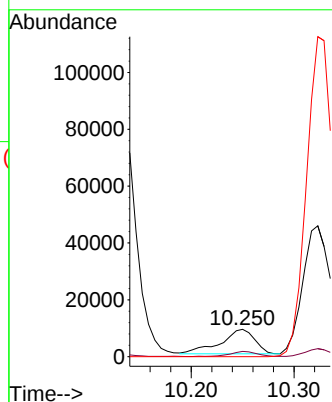
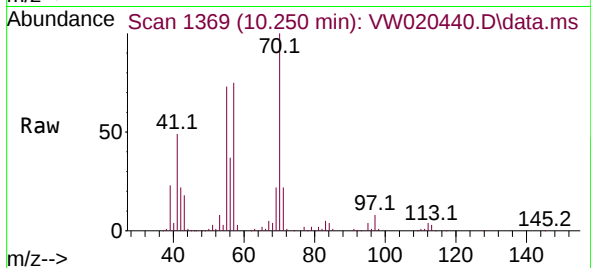




#40
4-Methyl-2-pentanone
Concen: 6.824 ug/L
RT: 10.250 min Scan# 1369
Delta R.T. 0.037 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

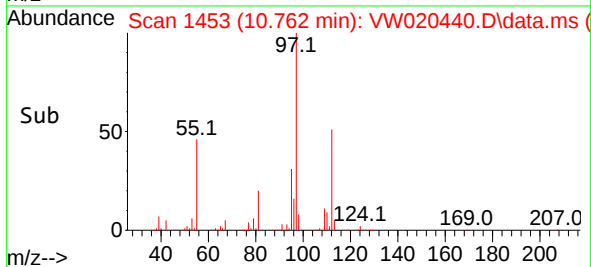
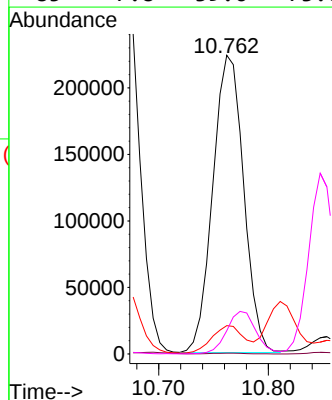
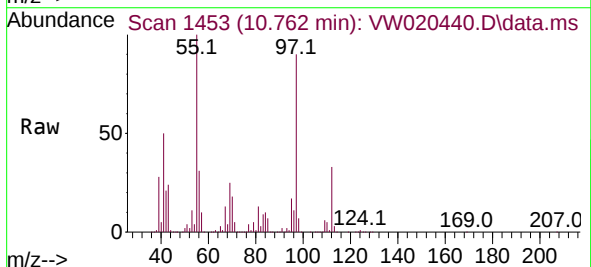
Instrument :
MSVOA_W
ClientSampled :

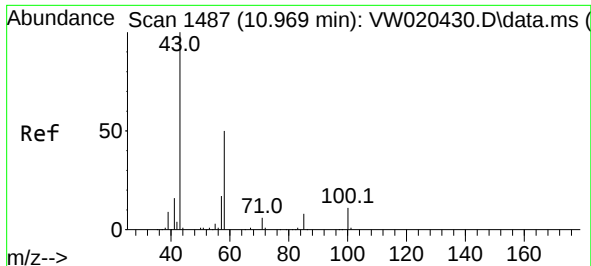
Tgt Ion: 43 Resp: 19838
Ion Ratio Lower Upper
43 100
58 15.1 29.0 43.4#
100 0.0 10.2 15.4#



#45
1,1,2-Trichloroethane
Concen: 140.427 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

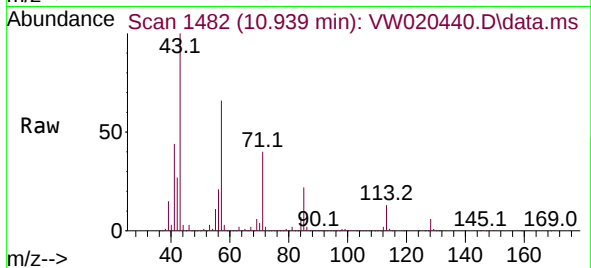
Tgt Ion: 97 Resp: 436727
Ion Ratio Lower Upper
97 100
99 0.3 42.8 79.4#
83 9.5 60.9 113.1#
85 7.8 39.6 73.6#



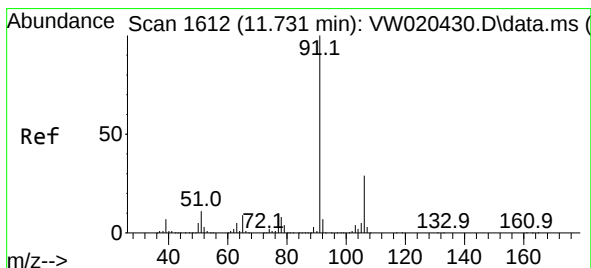
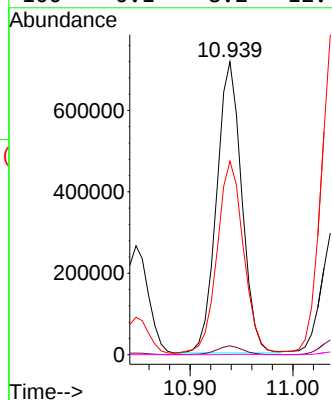
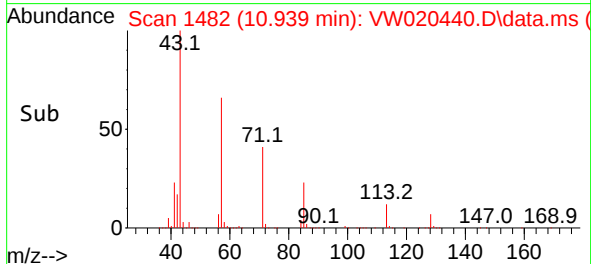


#48
2-Hexanone
Concen: 569.388 ug/L
RT: 10.939 min Scan# 1482
Delta R.T. -0.030 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

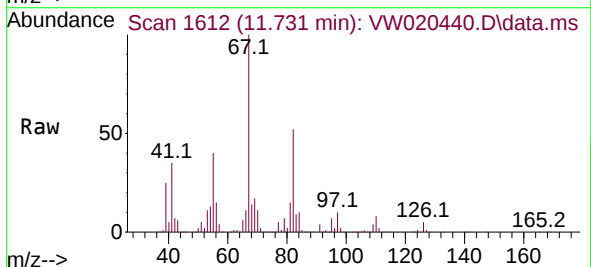
Instrument :
MSVOA_W
ClientSampled :



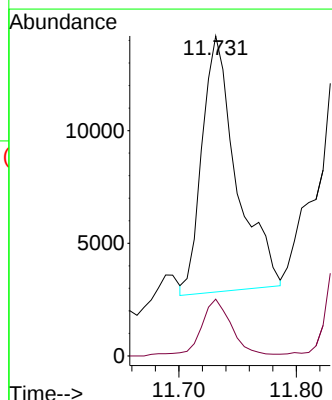
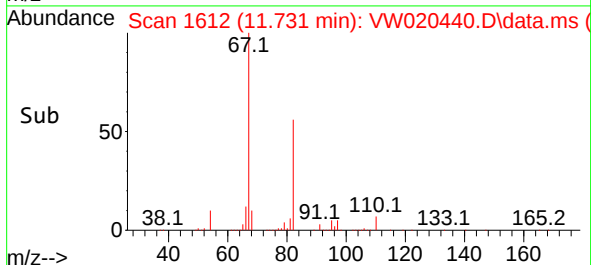
Tgt Ion: 43 Resp: 1214499
Ion Ratio Lower Upper
43 100
58 3.2 39.5 59.3#
57 69.2 14.2 21.4#
100 0.1 8.2 12.4#

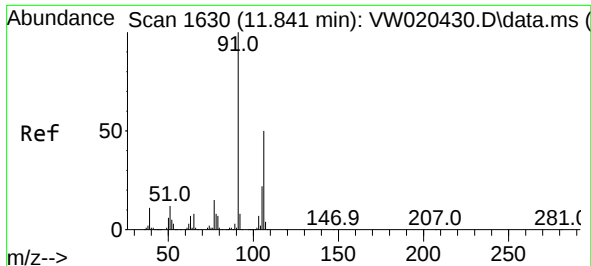


#52
Ethylbenzene
Concen: 1.144 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23



Tgt Ion: 91 Resp: 23276
Ion Ratio Lower Upper
91 100
106 17.7 21.3 39.5#

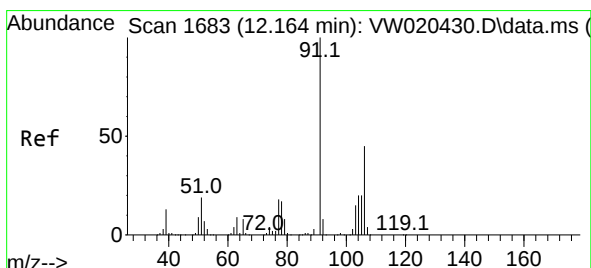
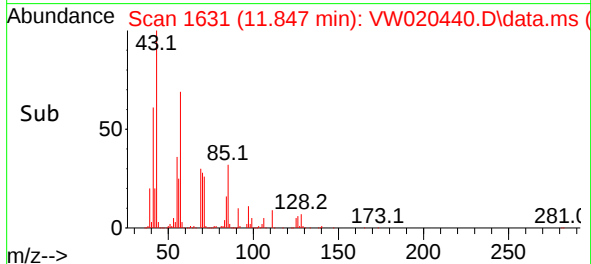
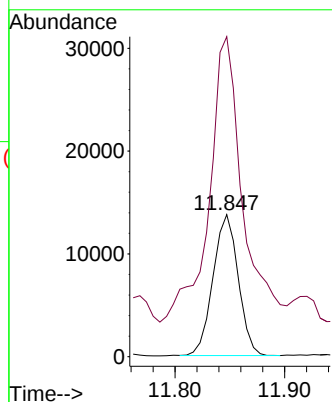
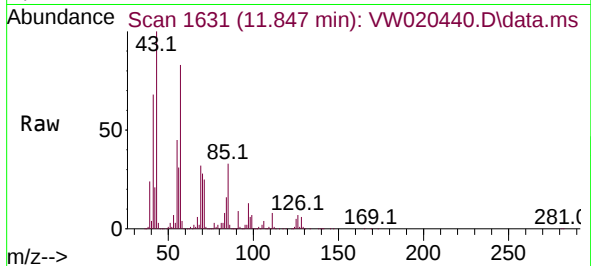




#53
m,p-Xylene
Concen: 2.911 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

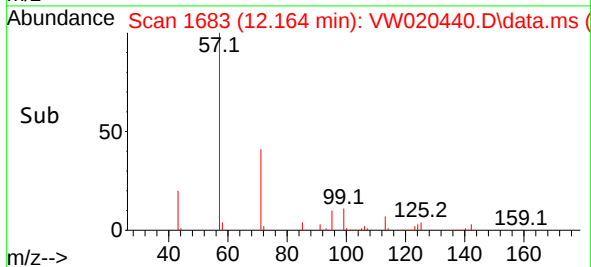
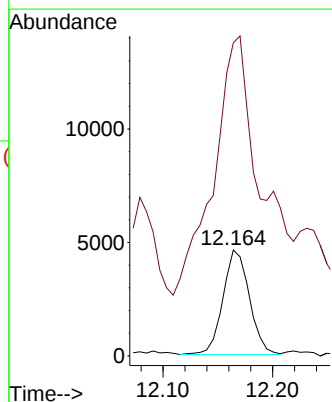
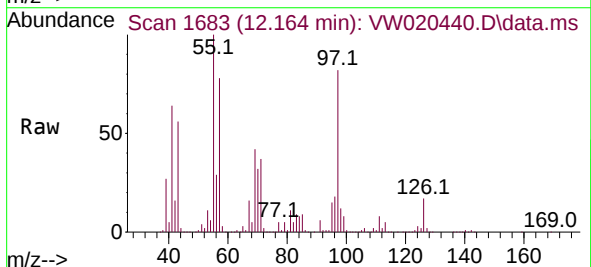
Instrument :
MSVOA_W
ClientSampled :

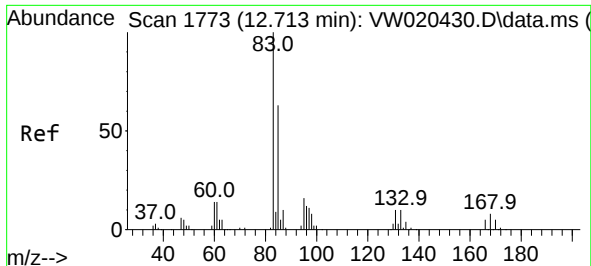
Tgt Ion:106 Resp: 21944
Ion Ratio Lower Upper
106 100
91 225.1 148.2 275.2



#54
o-Xylene
Concen: 1.105 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

Tgt Ion:106 Resp: 7694
Ion Ratio Lower Upper
106 100
91 295.5 156.1 289.9#

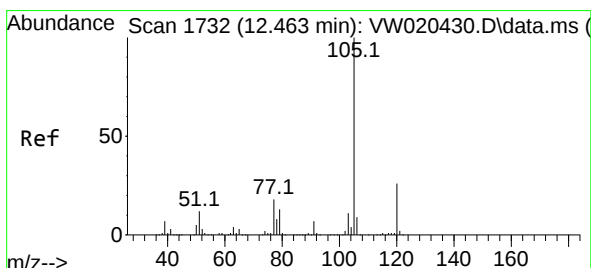
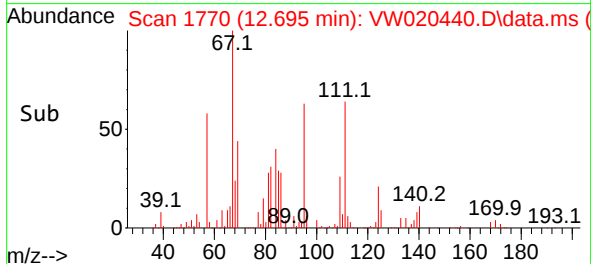
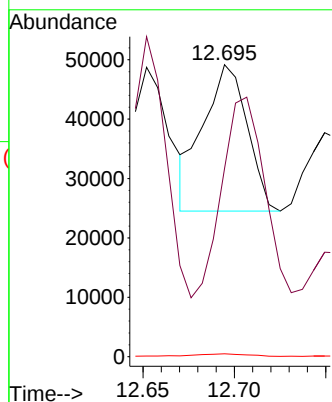
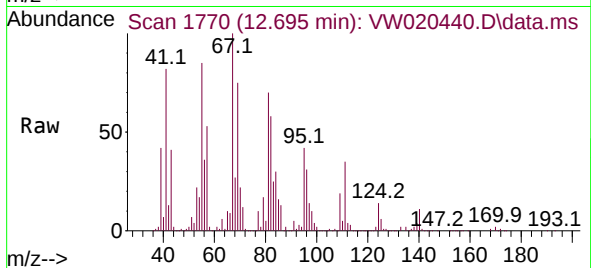




#57
1,1,2,2-Tetrachloroethane
Concen: 10.736 ug/L
RT: 12.695 min Scan# 1770
Delta R.T. -0.018 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

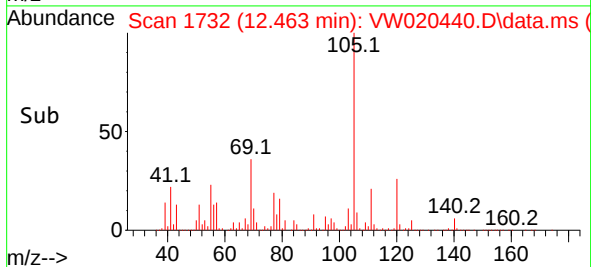
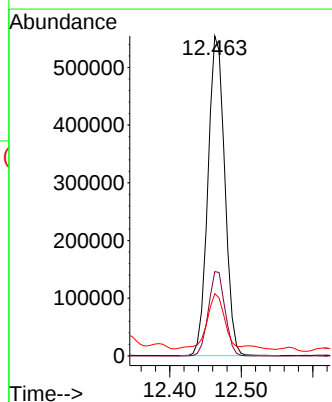
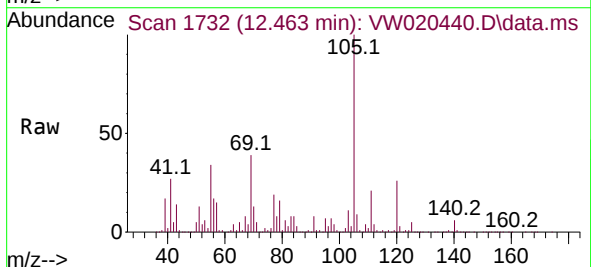
Instrument :
MSVOA_W
ClientSampled :

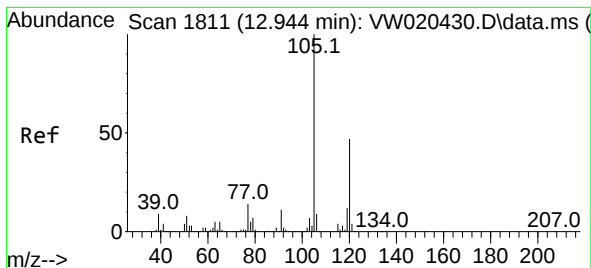
Tgt Ion: 83 Resp: 41391
Ion Ratio Lower Upper
83 100
85 64.4 45.9 85.3
131 1.0 7.4 11.2#



#60
Isopropylbenzene
Concen: 47.290 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

Tgt Ion:105 Resp: 902883
Ion Ratio Lower Upper
105 100
120 26.2 20.3 30.5
77 18.2 13.8 20.6

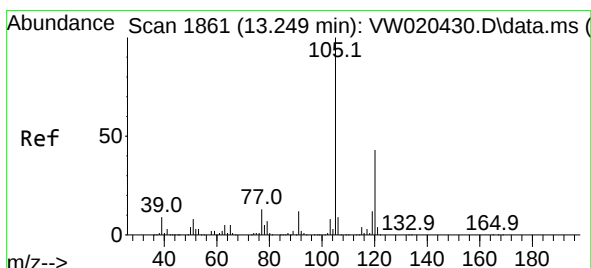
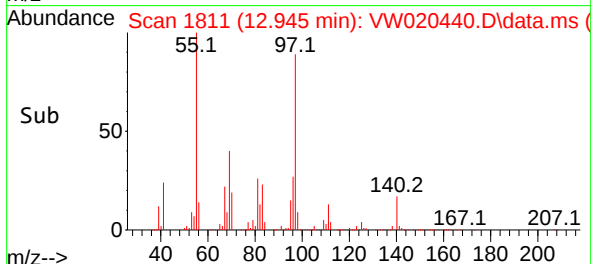
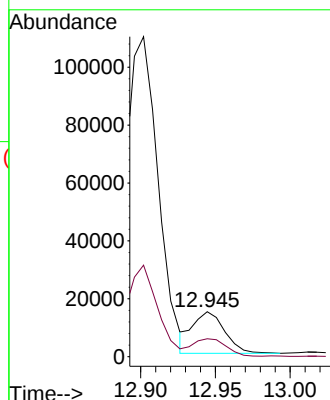
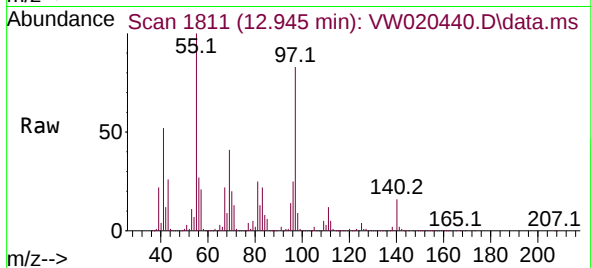




#62
1,3,5-Trimethylbenzene
Concen: 1.383 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

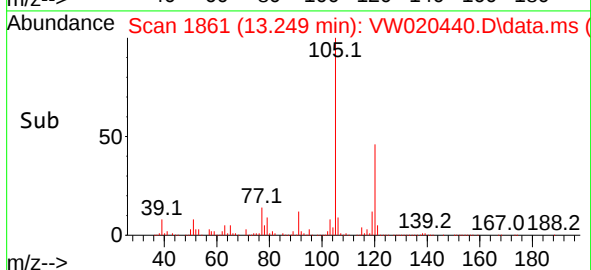
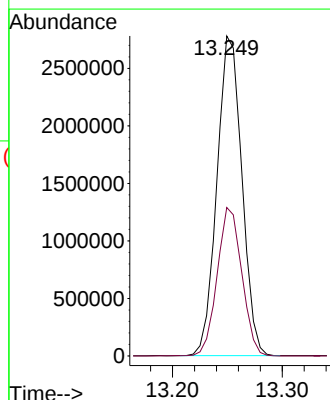
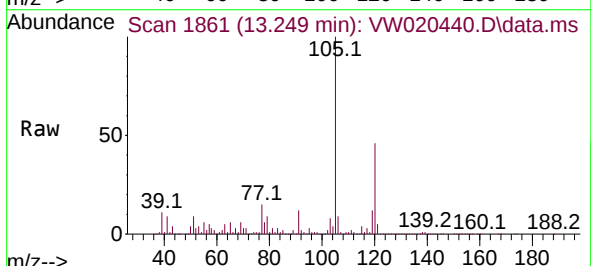
Instrument :
MSVOA_W
ClientSampleId :

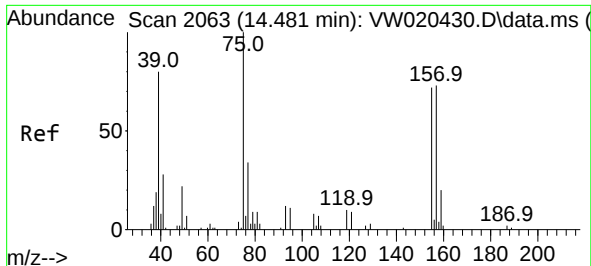
Tgt Ion:105 Resp: 21553
Ion Ratio Lower Upper
105 100
120 44.6 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 284.678 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

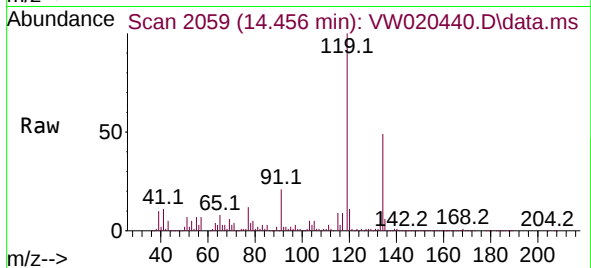
Tgt Ion:105 Resp: 4395641
Ion Ratio Lower Upper
105 100
120 45.7 35.4 53.2



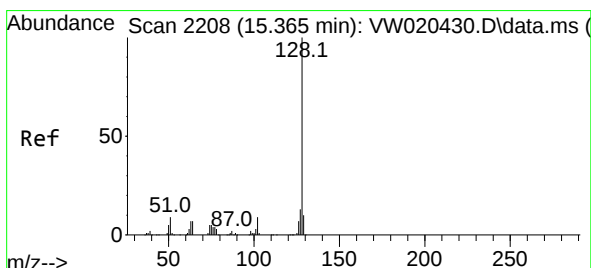
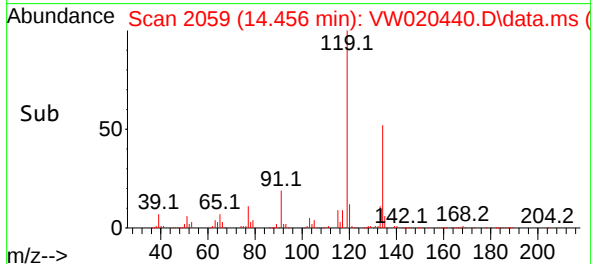
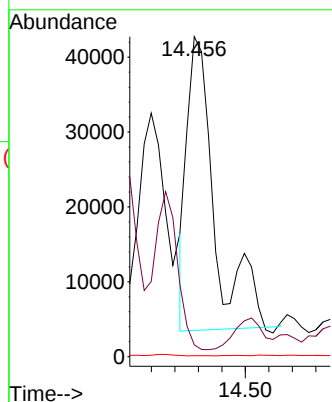


#68
1,2-Dibromo-3-chloropropane
Concen: 104.997 ug/L
RT: 14.456 min Scan# 2059
Delta R.T. -0.024 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

Instrument :
MSVOA_W
ClientSampleId :

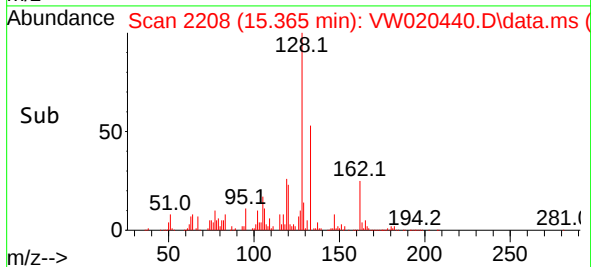
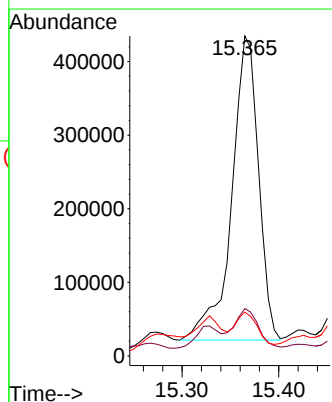
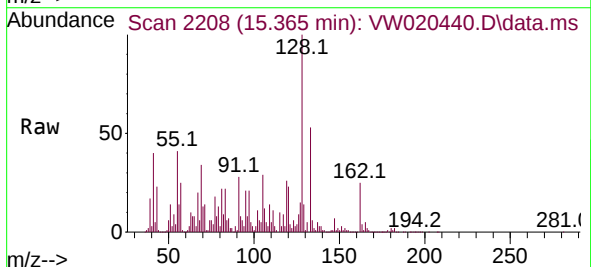


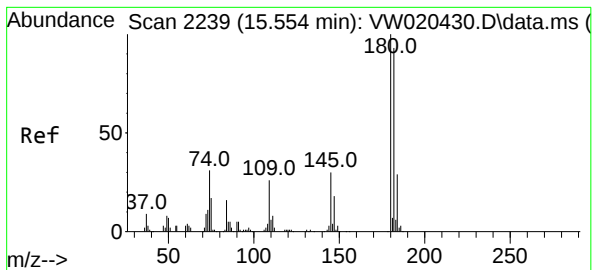
Tgt Ion: 75 Resp: 63913
Ion Ratio Lower Upper
75 100
155 3.7 51.4 77.0#
157 0.3 70.8 106.2#



#71
Naphthalene
Concen: 95.264 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW020440.D
Acq: 11 Oct 2021 13:23

Tgt Ion:128 Resp: 798889
Ion Ratio Lower Upper
128 100
127 11.2 10.5 15.7
129 8.2 8.7 13.1#





#72
 1,2,3-Trichlorobenzene
 Concen: 3.298 ug/L
 RT: 15.578 min Scan# 2243
 Delta R.T. 0.025 min
 Lab File: VW020440.D
 Acq: 11 Oct 2021 13:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:180 Resp: 13512
 Ion Ratio Lower Upper
 180 100
 182 73.8 74.8 112.2#
 145 4725.7 26.2 39.4#

