

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020345.D
 Acq On : 07 Oct 2021 04:38
 Operator : SY/VA
 Sample : M4000-20
 Misc : 4.40g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 05:30:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 07 05:04:04 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	269189	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	196411	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	52888	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	98775	26.624	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.480%
7) Chloroethane-d5	2.885	69	42429	26.393	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.560%
11) 1,1-Dichloroethene-d2	4.019	63	137872	18.046	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.200%
21) 2-Butanone-d5	7.080	46	42593	45.194	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.380%
24) Chloroform-d	7.653	84	195324	25.270	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.080%
26) 1,2-Dichloroethane-d4	8.311	65	98169	23.207	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.840%
32) Benzene-d6	8.281	84	381590	32.088	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	128.360%
36) 1,2-Dichloropropane-d6	9.281	67	175741	46.591	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	186.360%#
41) Toluene-d8	10.323	98	420320	39.024	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	156.080%#
43) trans-1,3-Dichloroprop...	10.579	79	35602	23.197	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.800%
47) 2-Hexanone-d5	10.927	63	21613	41.457	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.920%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	66253	25.166	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.680%
66) 1,2-Dichlorobenzene-d4	13.853	152	47411	25.600	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.400%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.038	96	1453	0.388	ug/L #	1
13) Acetone	4.123	43	12673	13.080	ug/L	73
14) Carbon disulfide	4.385	76	11339	0.921	ug/L	98
16) Methylene chloride	4.928	84	18177	3.781	ug/L #	68
20) cis-1,2-Dichloroethene	7.177	96	5496	1.371	ug/L	96
29) Cyclohexane	7.958	56	784145	134.285	ug/L	87
33) Benzene	8.330	78	14564	1.066	ug/L	100
34) Trichloroethene	9.092	95	78068	23.234	ug/L	96
35) Methylcyclohexane	9.342	83	2444426	417.042	ug/L	93
37) 1,2-Dichloropropane	9.518	63	5356	1.574	ug/L	98
38) Bromodichloromethane	9.616	83	32077	7.736	ug/L #	34
40) 4-Methyl-2-pentanone	10.213	43	5288	2.845	ug/L #	49
42) Toluene	10.390	91	38325	2.790	ug/L	96
45) 1,1,2-Trichloroethane	10.762	97	328808	152.740	ug/L #	20
46) Tetrachloroethene	10.866	164	1109	0.448	ug/L	88
48) 2-Hexanone	10.939	43	324736	239.470	ug/L #	29
50) 1,2-Dibromoethane	11.201	107	982	0.496	ug/L #	1
52) Ethylbenzene	11.731	91	431847	28.795	ug/L	98
53) m,p-Xylene	11.841	106	18487	3.337	ug/L	94

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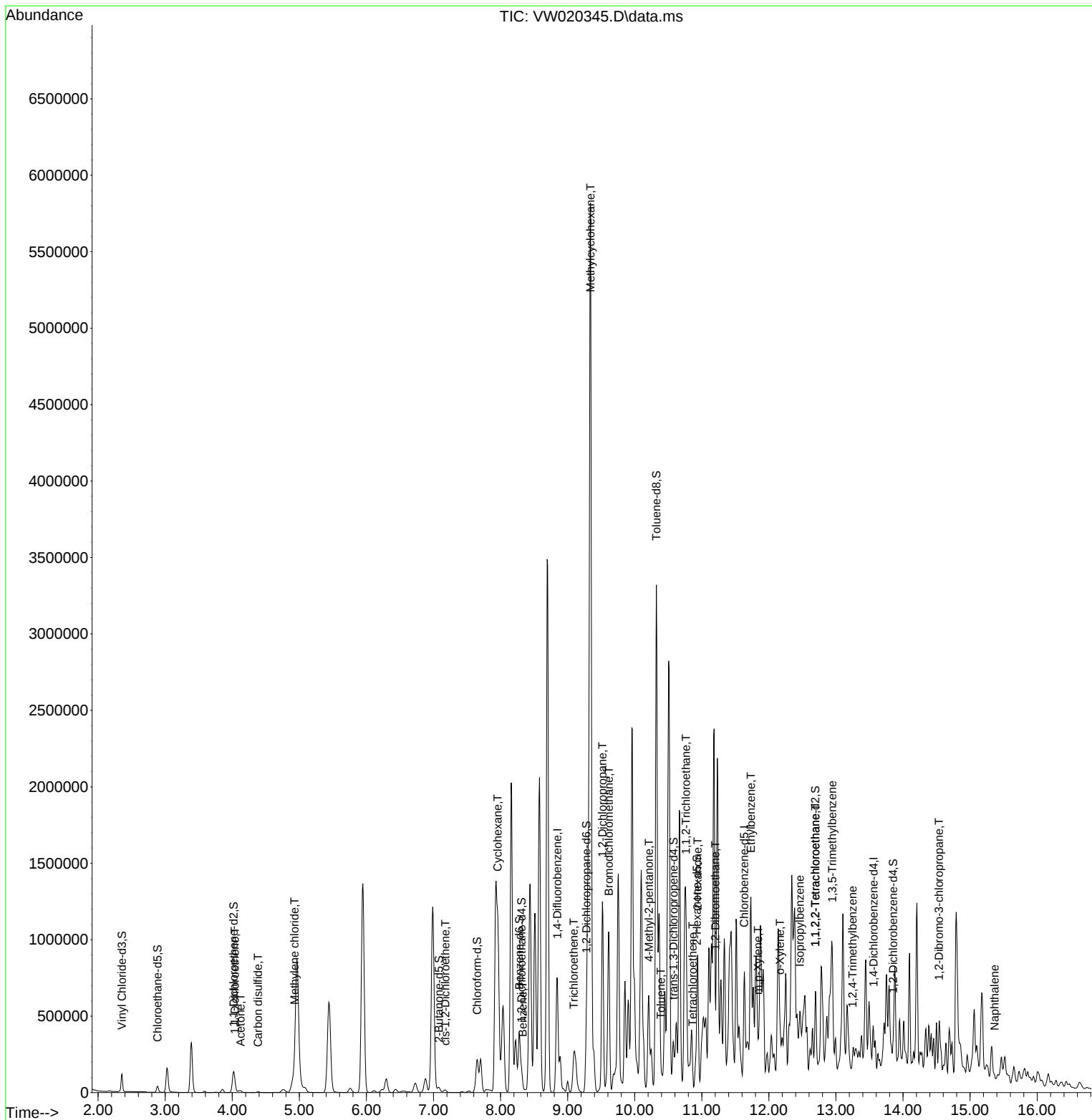
Instrument :
 MSVOA_W
 ClientSampleId :

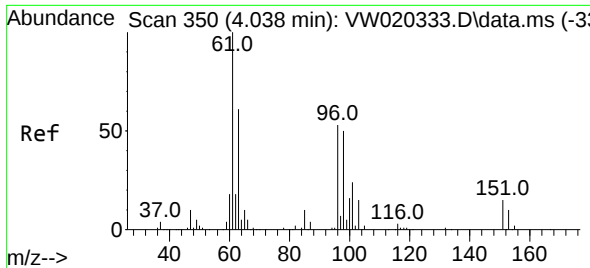
Quant Time: Oct 07 05:30:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 07 05:04:04 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	12.164	106	13889	2.677	ug/L	80
57) 1,1,2,2-Tetrachloroethane	12.695	83	11632	4.545	ug/L #	48
60) Isopropylbenzene	12.463	105	150645	19.187	ug/L	96
62) 1,3,5-Trimethylbenzene	12.945	105	155359	24.456	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	39874	6.281	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.536	75	1704	7.659	ug/L #	11
71) Naphthalene	15.365	128	16431	5.155	ug/L #	83

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

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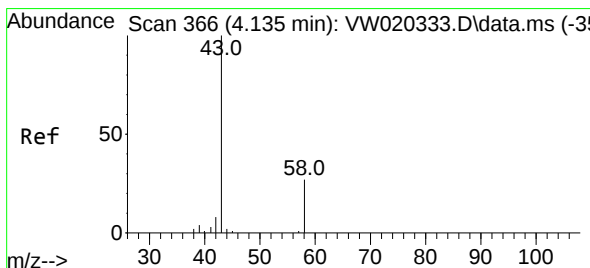
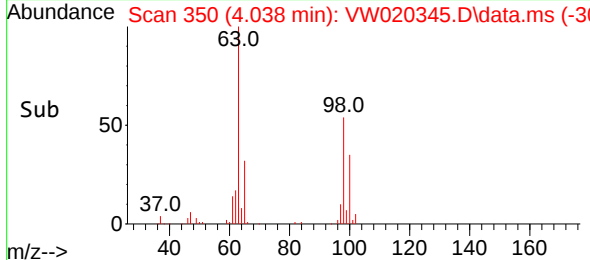
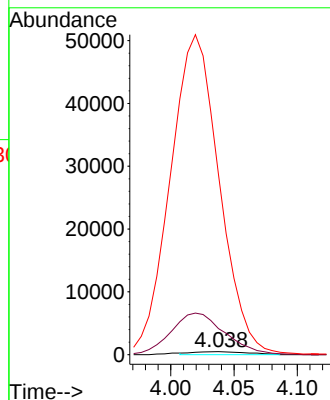
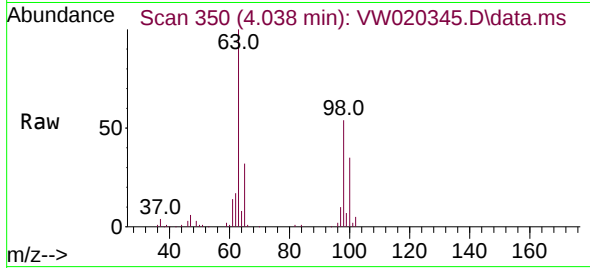




#12
1,1-Dichloroethene
Concen: 0.388 ug/L
RT: 4.038 min Scan# 350
Delta R.T. 0.000 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

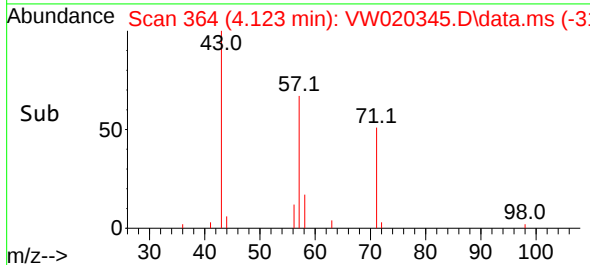
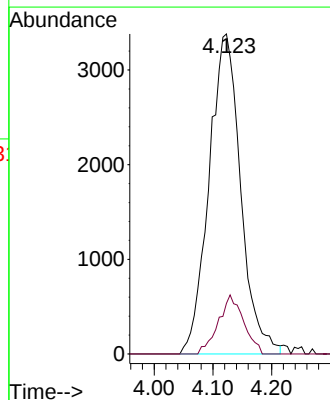
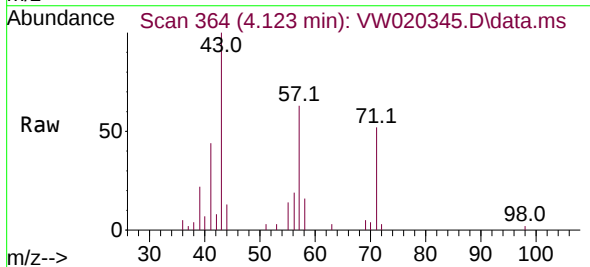
Instrument :
MSVOA_W
ClientSampled :

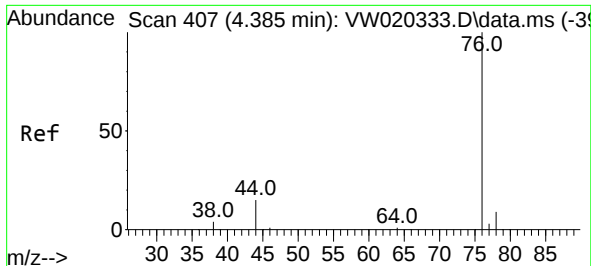
Tgt Ion: 96 Resp: 1453
Ion Ratio Lower Upper
96 100
61 849.0 133.9 248.7#
63 5864.5 77.3 143.7#



#13
Acetone
Concen: 13.080 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.012 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

Tgt Ion: 43 Resp: 12673
Ion Ratio Lower Upper
43 100
58 14.7 0.0 58.4

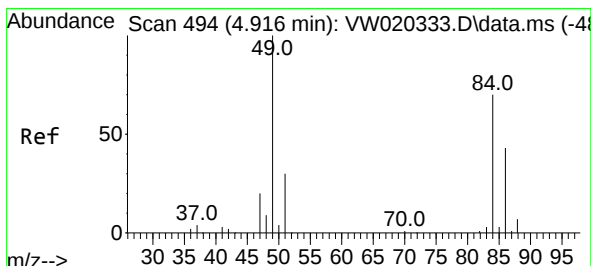
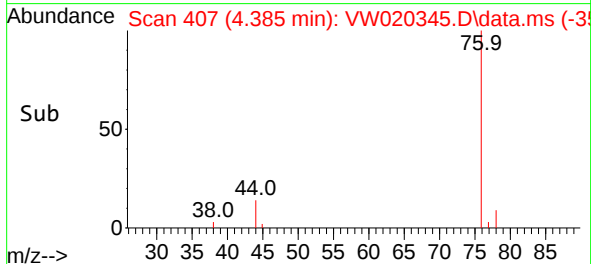
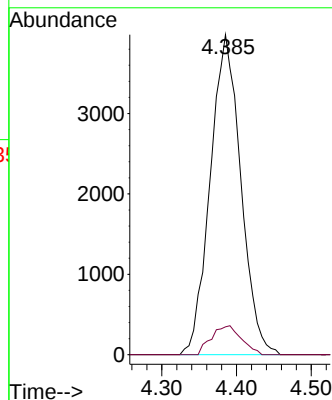
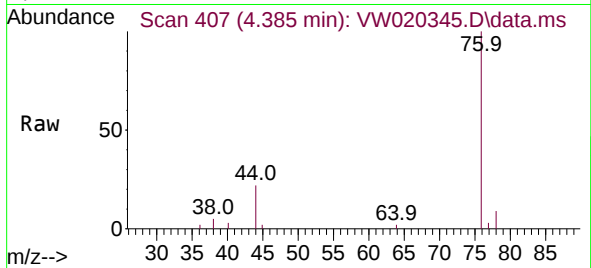




#14
Carbon disulfide
Concen: 0.921 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

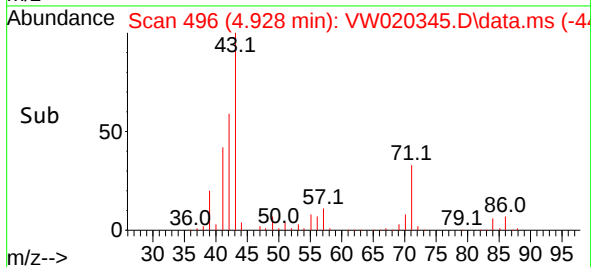
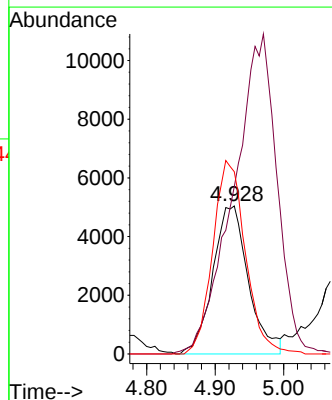
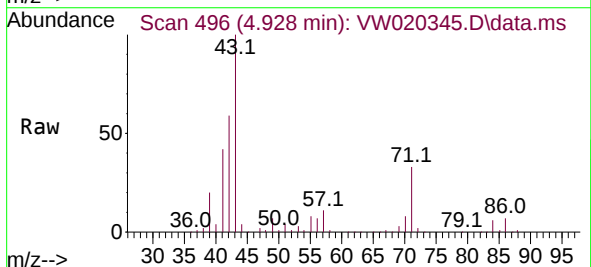
Instrument :
MSVOA_W
ClientSampled :

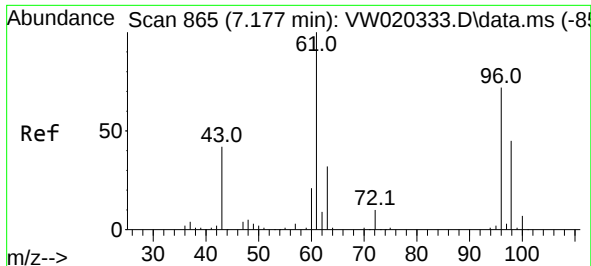
Tgt Ion: 76 Resp: 11339
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#16
Methylene chloride
Concen: 3.781 ug/L
RT: 4.928 min Scan# 496
Delta R.T. 0.012 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

Tgt Ion: 84 Resp: 18177
Ion Ratio Lower Upper
84 100
86 113.0 44.7 83.1#
49 123.1 101.7 188.9





#20

cis-1,2-Dichloroethene

Concen: 1.371 ug/L

RT: 7.177 min Scan# 865

Delta R.T. -0.000 min

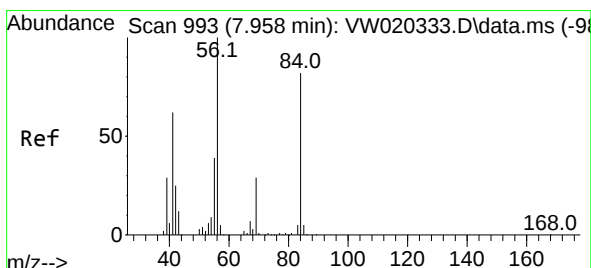
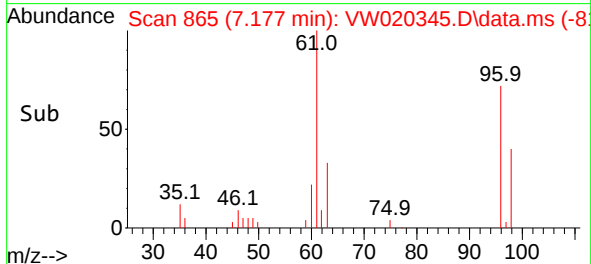
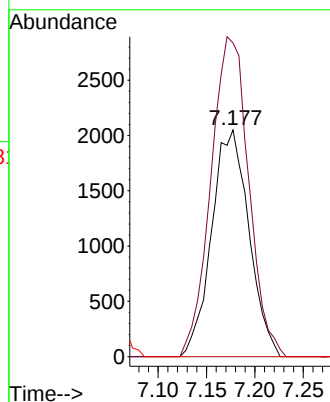
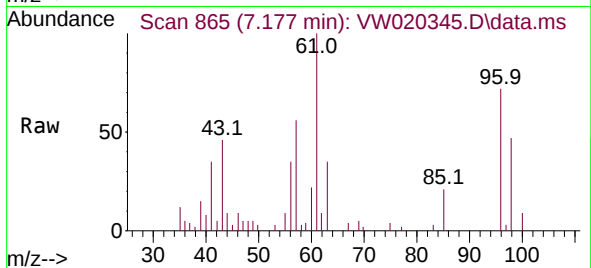
Lab File: VW020345.D

Acq: 07 Oct 2021 04:38

Tgt Ion: 96 Resp: 5496

Ion	Ratio	Lower	Upper
96	100		
61	138.3	100.3	186.3
68	0.0	0.0	0.0

Instrument :
MSVOA_W
ClientSampled :



#29

Cyclohexane

Concen: 134.285 ug/L

RT: 7.958 min Scan# 993

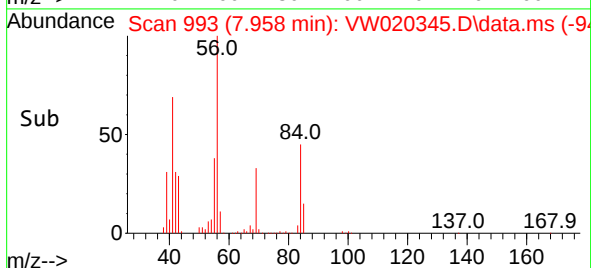
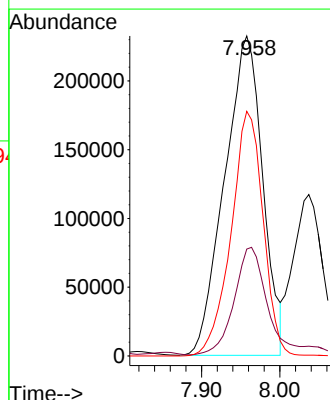
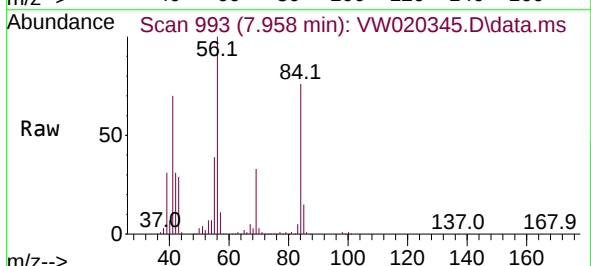
Delta R.T. -0.000 min

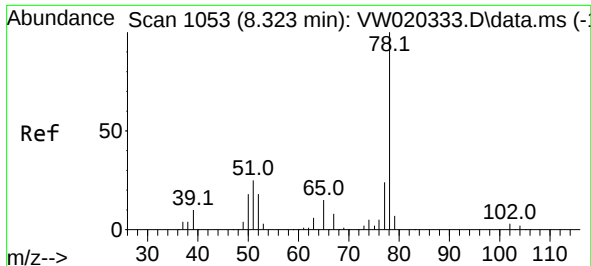
Lab File: VW020345.D

Acq: 07 Oct 2021 04:38

Tgt Ion: 56 Resp: 784145

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.2	34.8
84	64.4	63.7	95.5

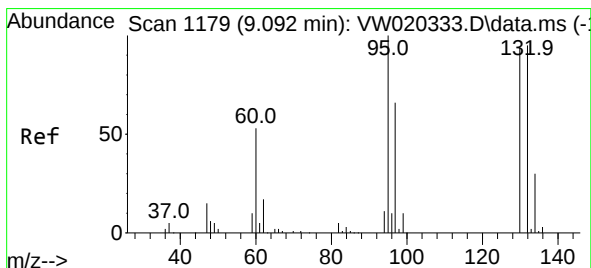
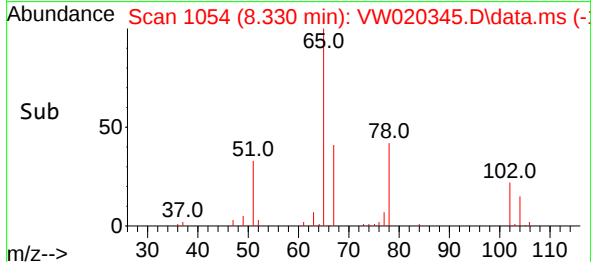
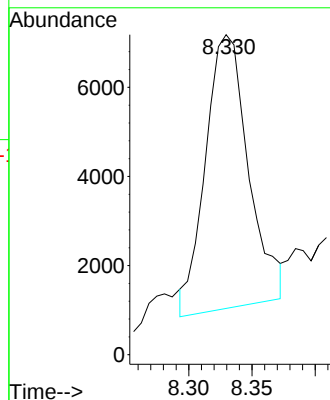
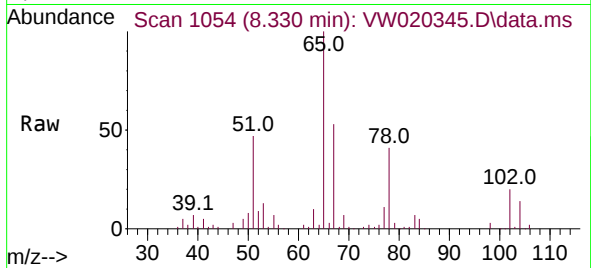




#33
Benzene
Concen: 1.066 ug/L
RT: 8.330 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

Instrument :
MSVOA_W
ClientSampled :

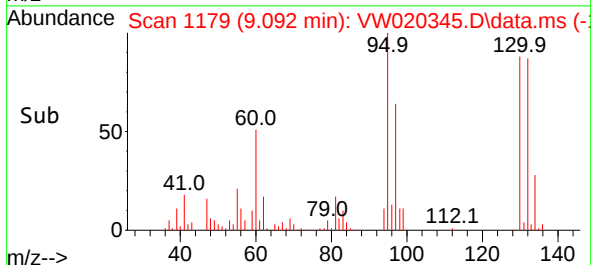
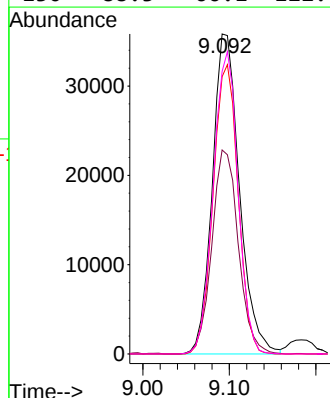
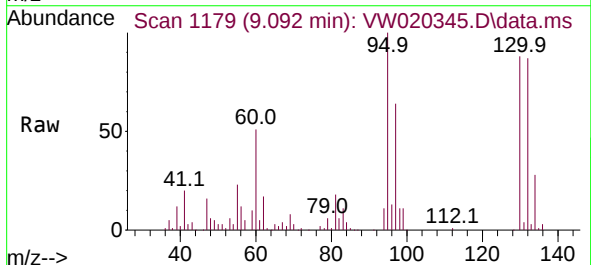
Tgt Ion: 78 Resp: 14564

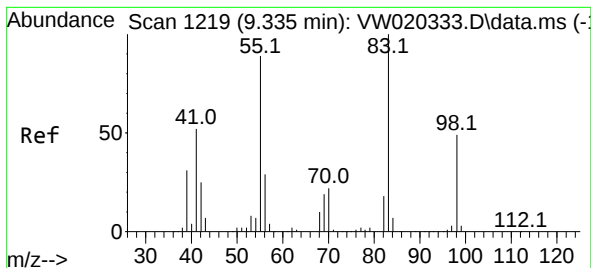


#34
Trichloroethene
Concen: 23.234 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

Tgt Ion: 95 Resp: 78068

Ion	Ratio	Lower	Upper
95	100		
97	63.8	43.2	80.2
132	86.6	62.3	115.7
130	88.3	66.1	122.7

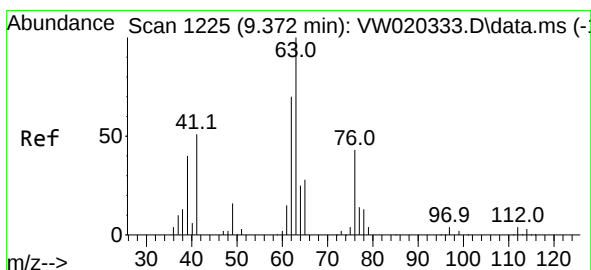
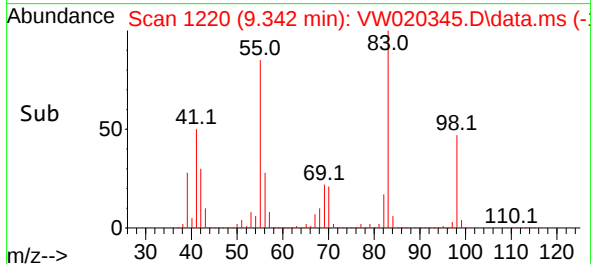
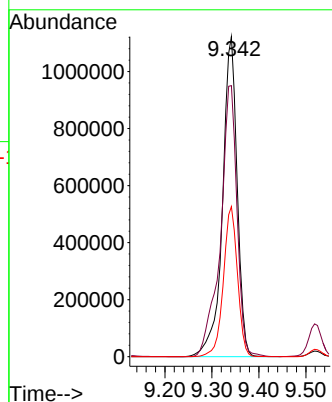
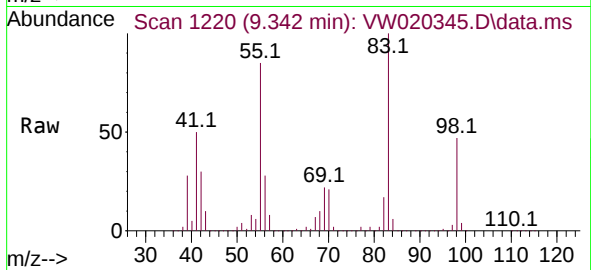




#35
Methylcyclohexane
Concen: 417.042 ug/L
RT: 9.342 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

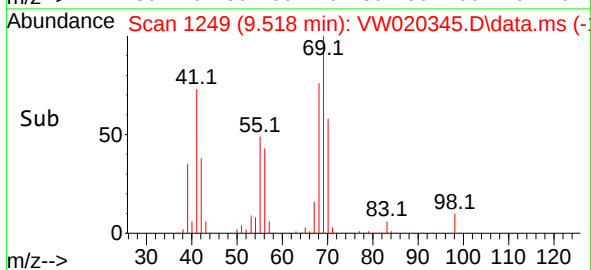
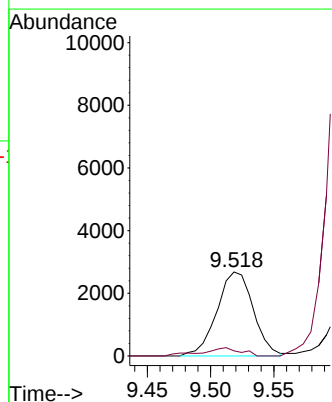
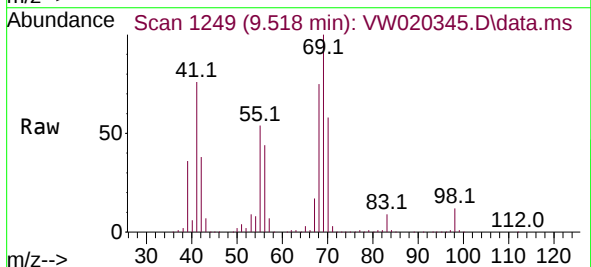
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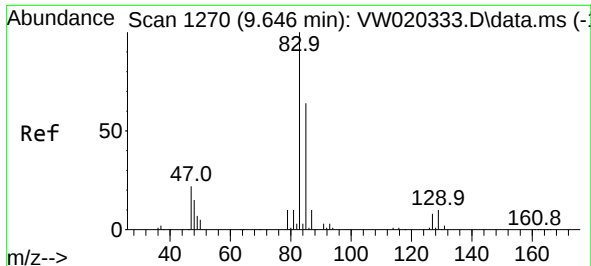
Tgt Ion: 83 Resp: 2444426
Ion Ratio Lower Upper
83 100
55 95.6 69.7 104.5
98 44.9 38.2 57.2



#37
1,2-Dichloropropane
Concen: 1.574 ug/L
RT: 9.518 min Scan# 1249
Delta R.T. 0.146 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

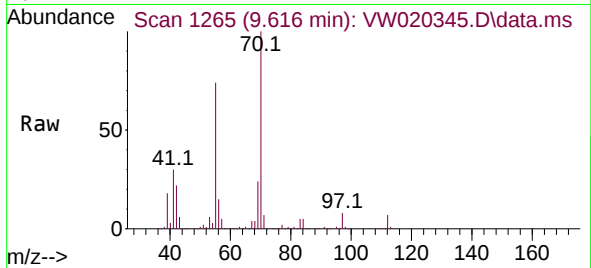
Tgt Ion: 63 Resp: 5356
Ion Ratio Lower Upper
63 100
112 3.6 3.5 5.3



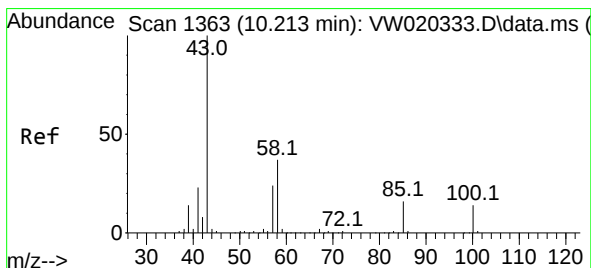
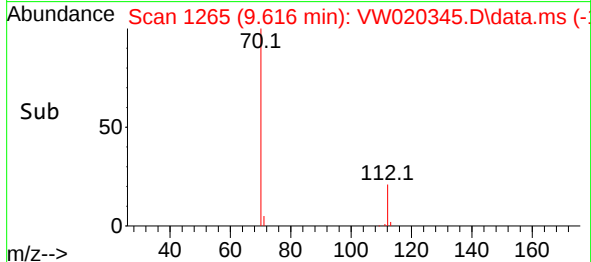
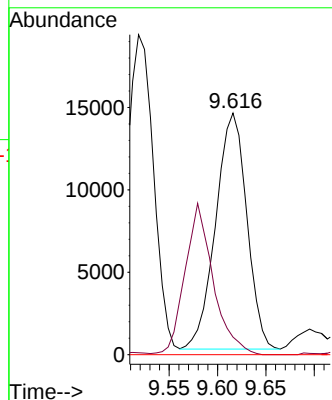


#38
Bromodichloromethane
Concen: 7.736 ug/L
RT: 9.616 min Scan# 1265
Delta R.T. -0.030 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

Instrument :
MSVOA_W
ClientSampled :

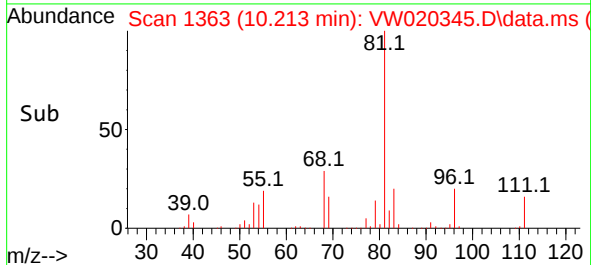
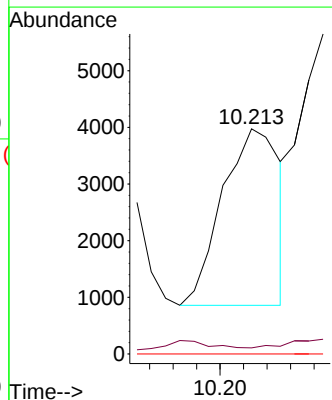
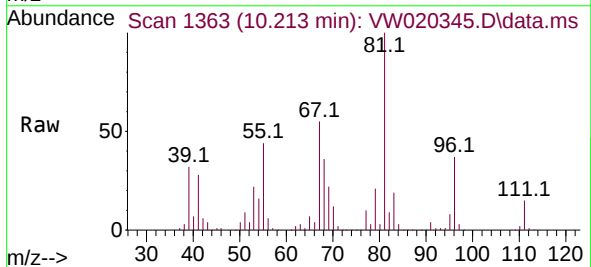


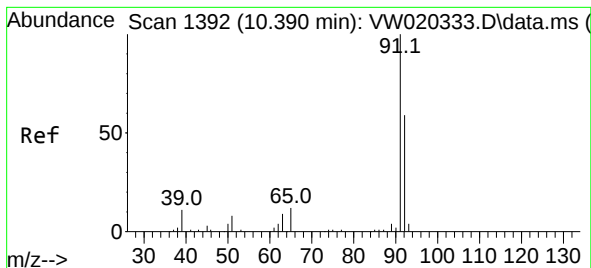
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Ion Ratio Lower Upper
83 100
85 7.3 43.4 80.6#
127 0.0 6.2 9.2#



#40
4-Methyl-2-pentanone
Concen: 2.845 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

Tgt Ion: 43 Resp: 5288
Ion Ratio Lower Upper
43 100
58 2.1 29.0 43.4#
100 0.0 10.2 15.4#





#42

Toluene

Concen: 2.790 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VW020345.D

Acq: 07 Oct 2021 04:38

Tgt Ion: 91 Resp: 38325

Ion Ratio Lower Upper

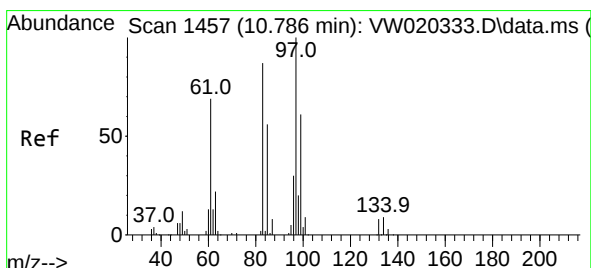
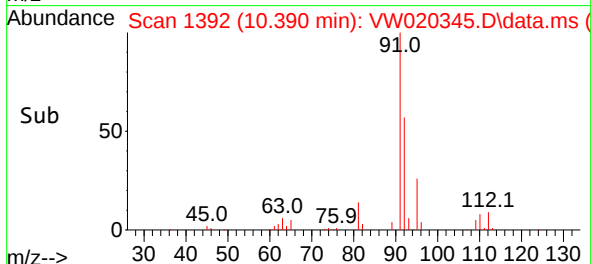
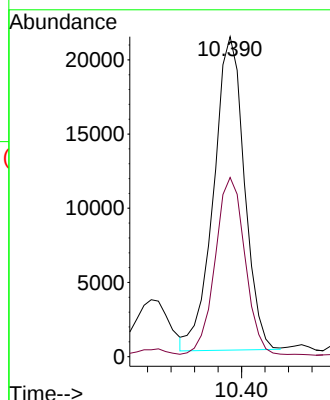
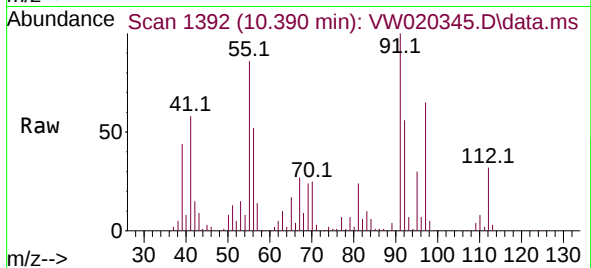
91 100

92 56.0 41.5 77.1

Instrument :

MSVOA_W

ClientSampled :



#45

1,1,2-Trichloroethane

Concen: 152.740 ug/L

RT: 10.762 min Scan# 1453

Delta R.T. -0.024 min

Lab File: VW020345.D

Acq: 07 Oct 2021 04:38

Tgt Ion: 97 Resp: 328808

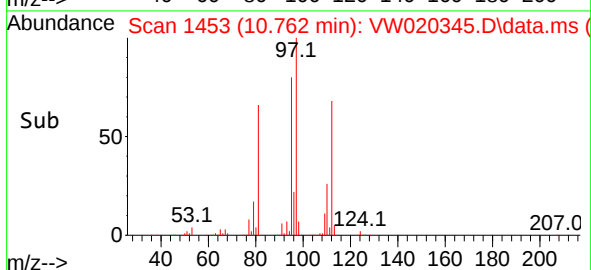
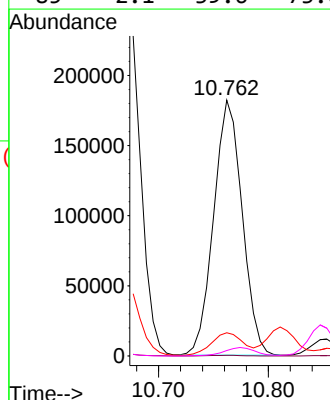
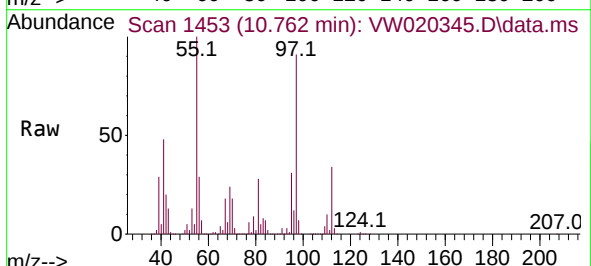
Ion Ratio Lower Upper

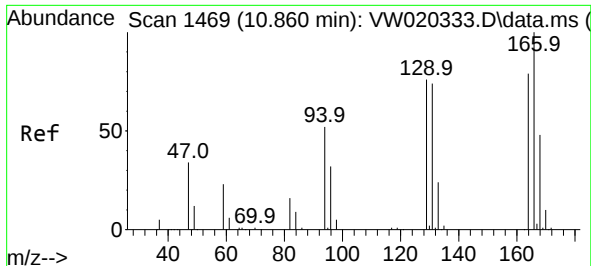
97 100

99 0.3 42.8 79.4#

83 9.1 60.9 113.1#

85 2.1 39.6 73.6#

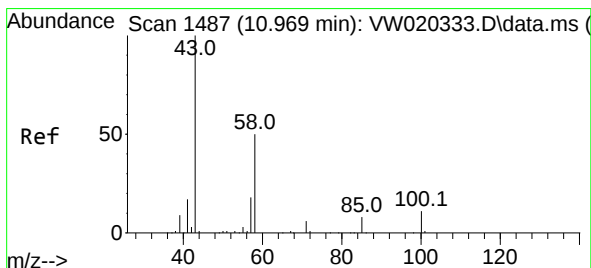
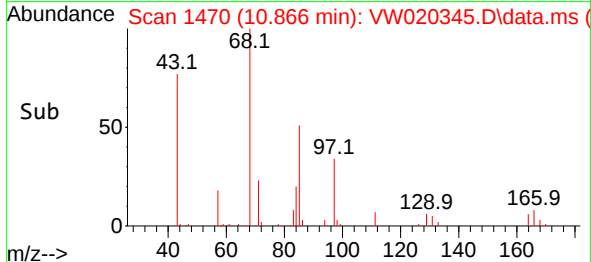
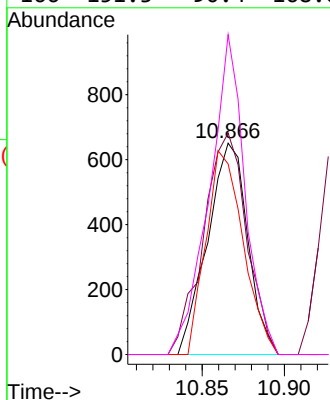
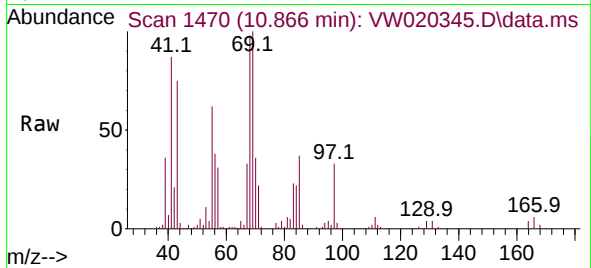




#46
Tetrachloroethene
Concen: 0.448 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

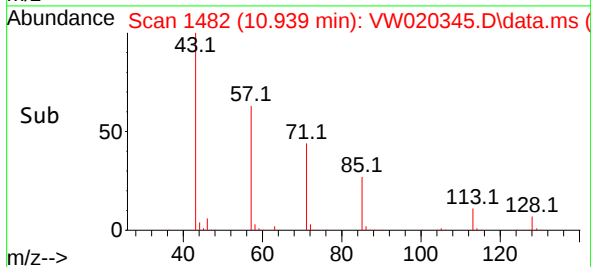
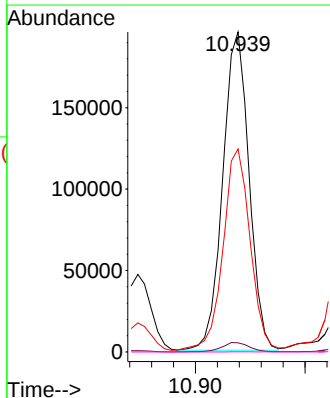
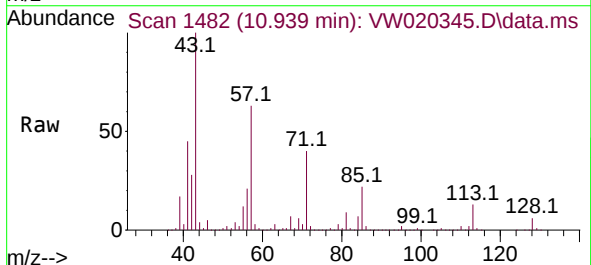
Instrument :
MSVOA_W
ClientSampleId :

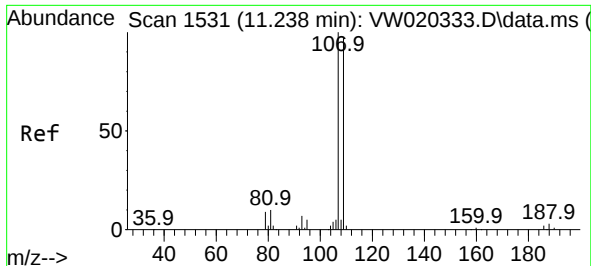
Tgt Ion:164 Resp: 1109
Ion Ratio Lower Upper
164 100
129 104.8 69.1 128.3
131 90.2 58.3 108.3
166 151.3 90.4 168.0



#48
2-Hexanone
Concen: 239.470 ug/L
RT: 10.939 min Scan# 1482
Delta R.T. -0.030 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

Tgt Ion: 43 Resp: 324736
Ion Ratio Lower Upper
43 100
58 3.1 39.5 59.3#
57 65.1 14.2 21.4#
100 0.0 8.2 12.4#

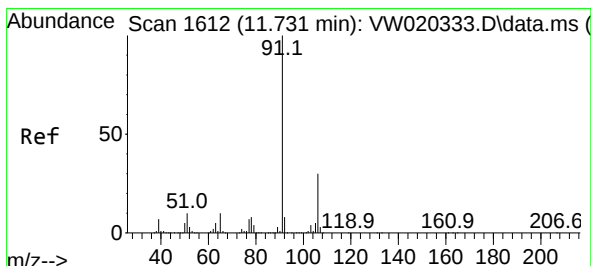
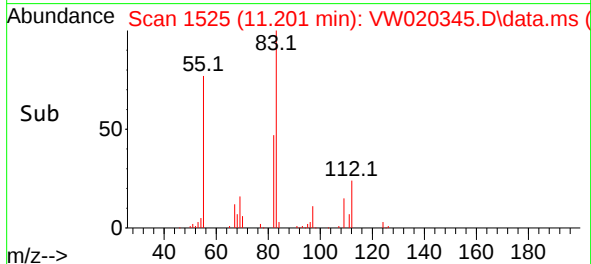
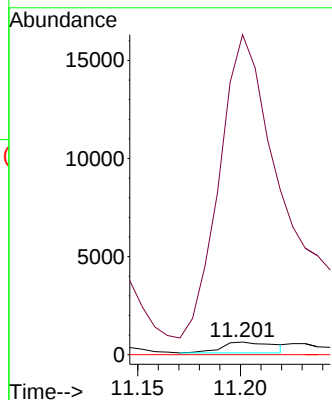
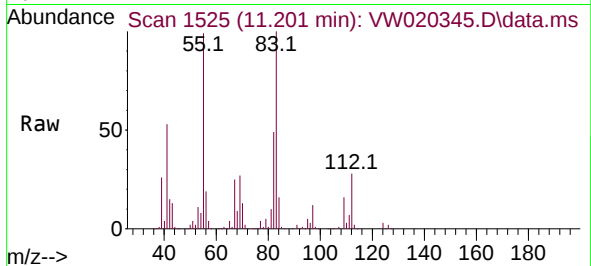




#50
1,2-Dibromoethane
Concen: 0.496 ug/L
RT: 11.201 min Scan# 1525
Delta R.T. -0.037 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

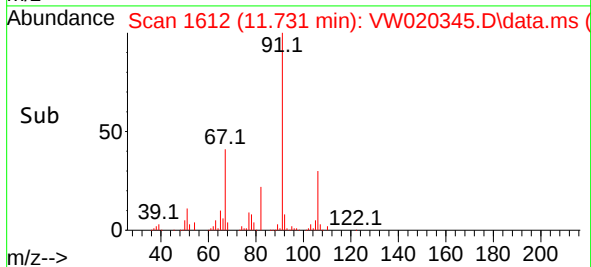
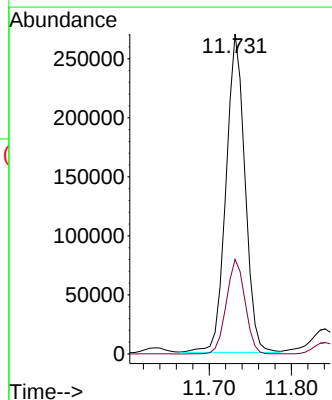
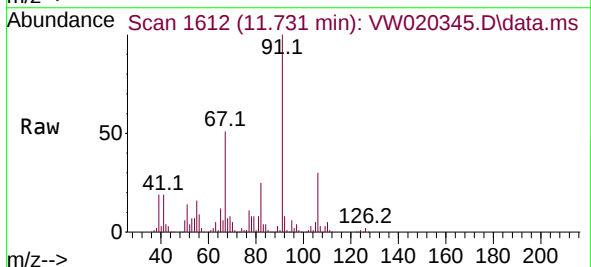
Instrument :
MSVOA_W
ClientSampleId :

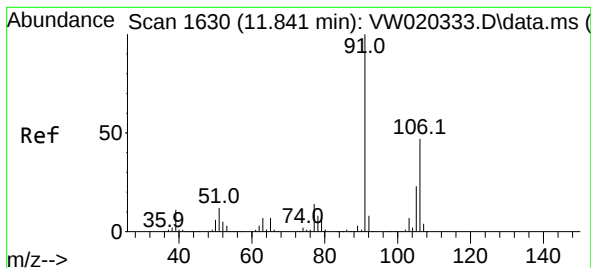
Tgt Ion:107 Resp: 982
Ion Ratio Lower Upper
107 100
109 2533.1 64.5 119.9#
188 0.0 3.2 4.8#



#52
Ethylbenzene
Concen: 28.795 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

Tgt Ion: 91 Resp: 431847
Ion Ratio Lower Upper
91 100
106 29.6 21.3 39.5

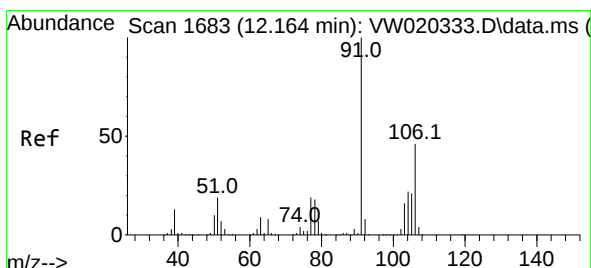
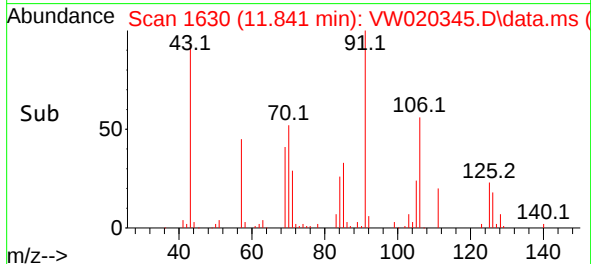
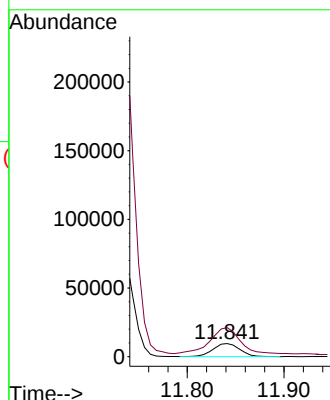
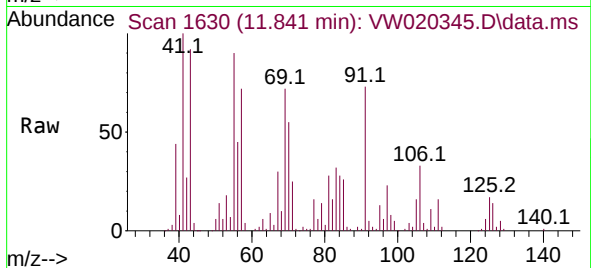




#53
m,p-Xylene
Concen: 3.337 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

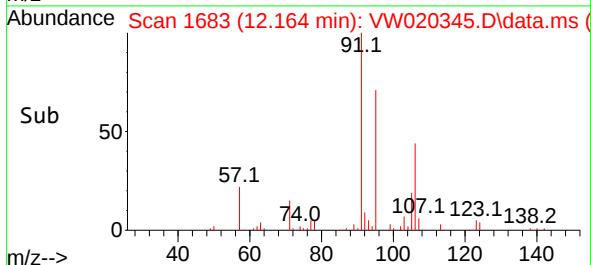
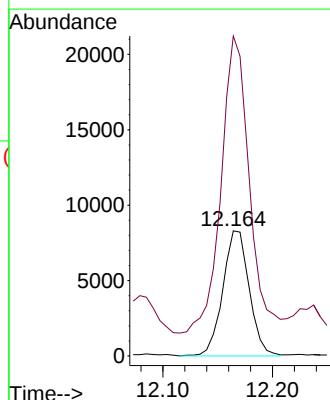
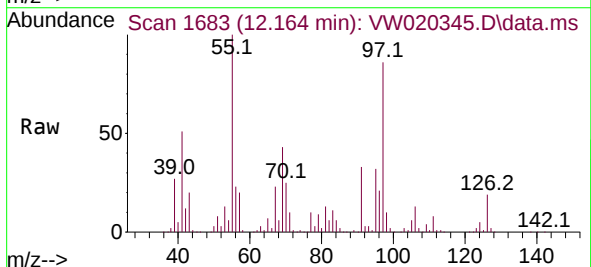
Instrument :
MSVOA_W
ClientSampled :

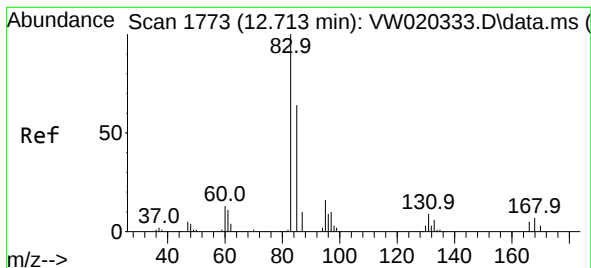
Tgt Ion:106 Resp: 18487
Ion Ratio Lower Upper
106 100
91 220.7 148.2 275.2



#54
o-Xylene
Concen: 2.677 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

Tgt Ion:106 Resp: 13889
Ion Ratio Lower Upper
106 100
91 255.6 156.1 289.9



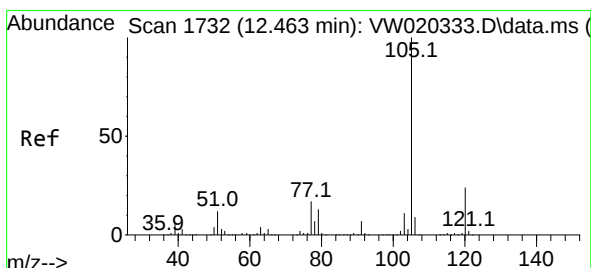
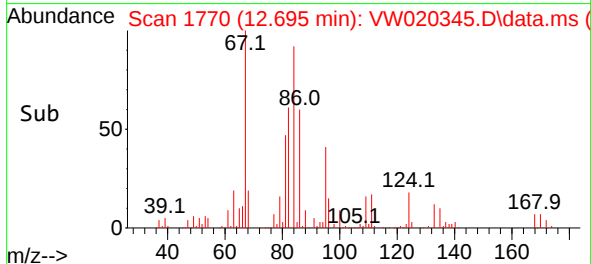
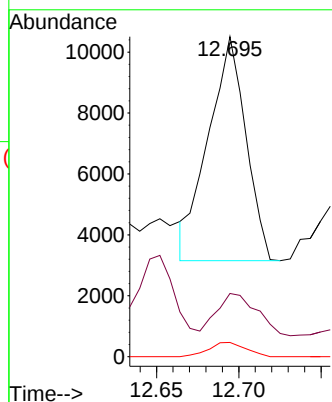
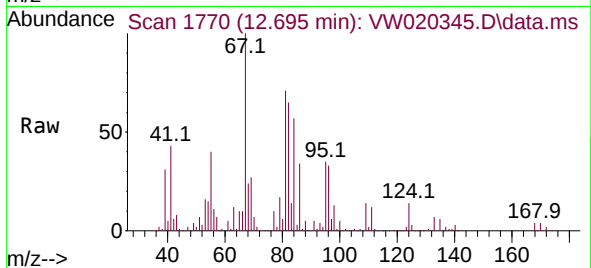


#57

1,1,2,2-Tetrachloroethane
Concen: 4.545 ug/L
RT: 12.695 min Scan# 1770
Delta R.T. -0.018 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

Instrument :
MSVOA_W
ClientSampleId :

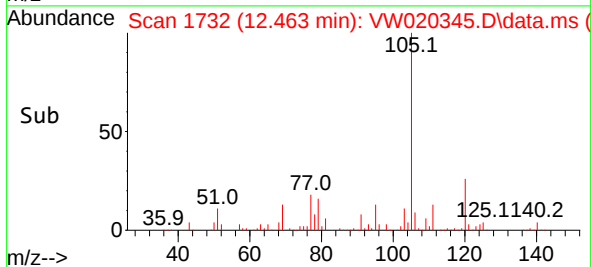
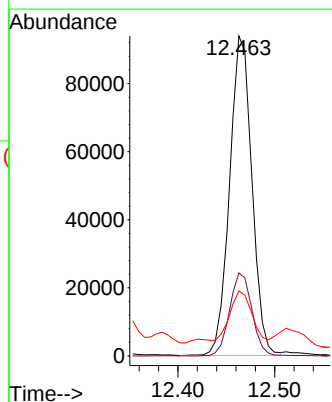
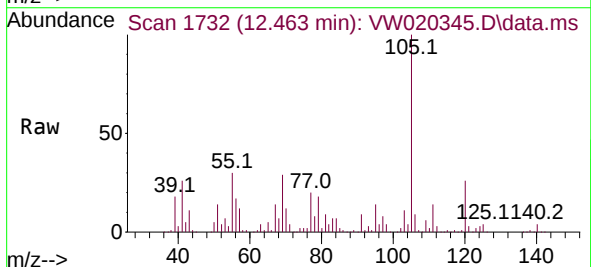
Tgt Ion: 83 Resp: 11632
Ion Ratio Lower Upper
83 100
85 19.7 45.9 85.3#
131 4.4 7.4 11.2#

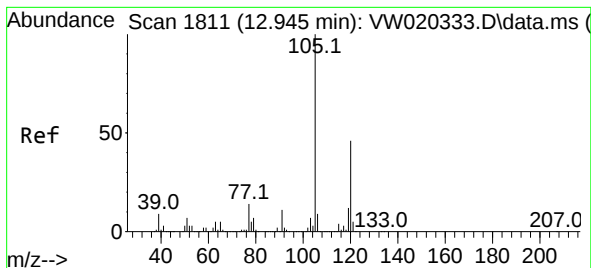


#60

Isopropylbenzene
Concen: 19.187 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

Tgt Ion:105 Resp: 150645
Ion Ratio Lower Upper
105 100
120 26.0 20.3 30.5
77 20.3 13.8 20.6

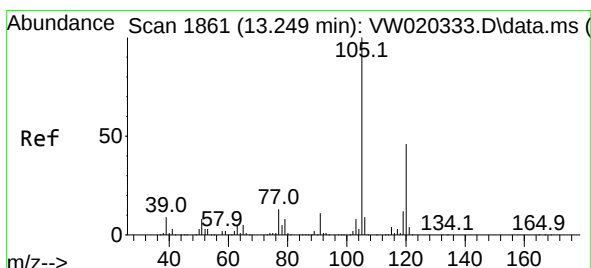
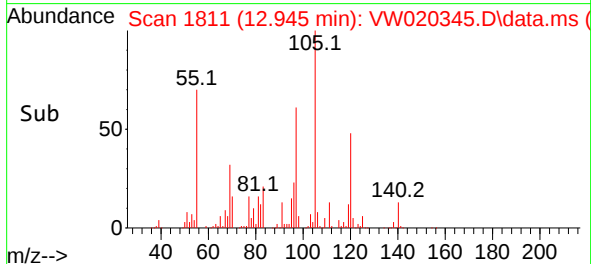
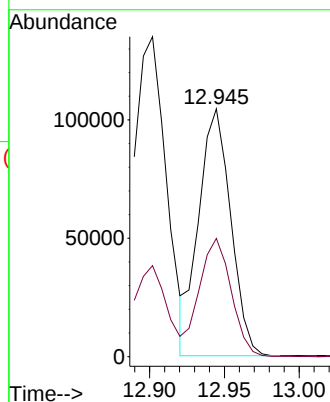
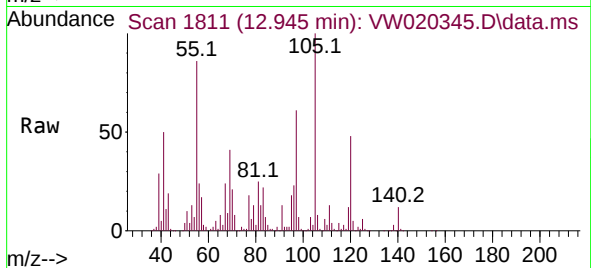




#62
1,3,5-Trimethylbenzene
Concen: 24.456 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

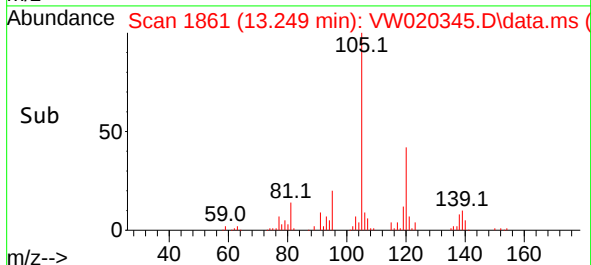
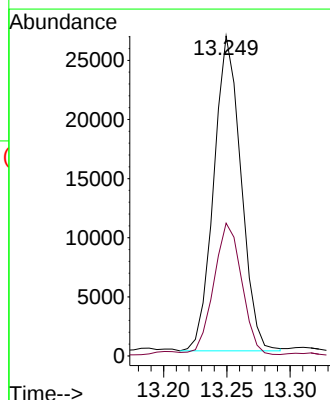
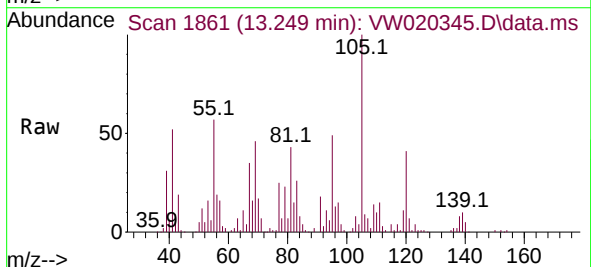
Instrument :
MSVOA_W
ClientSampled :

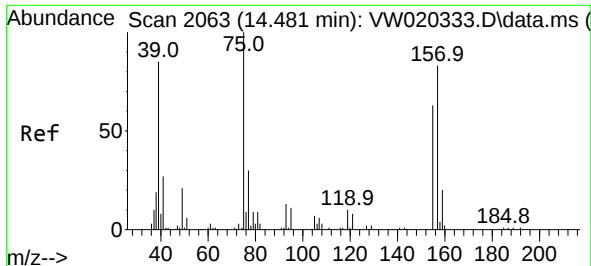
Tgt Ion:105 Resp: 155359
Ion Ratio Lower Upper
105 100
120 47.6 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 6.281 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW020345.D
Acq: 07 Oct 2021 04:38

Tgt Ion:105 Resp: 39874
Ion Ratio Lower Upper
105 100
120 42.5 35.4 53.2





#68

1,2-Dibromo-3-chloropropane

Concen: 7.659 ug/L

RT: 14.536 min Scan# 2072

Delta R.T. 0.055 min

Lab File: VW020345.D

Acq: 07 Oct 2021 04:38

Tgt Ion: 75 Resp: 1704

Ion Ratio Lower Upper

75 100

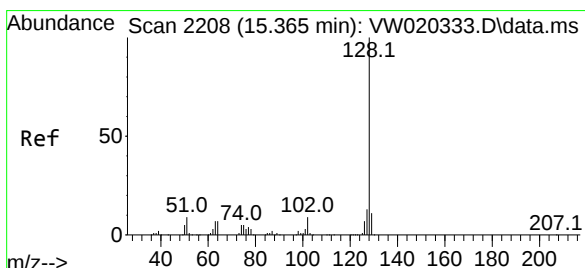
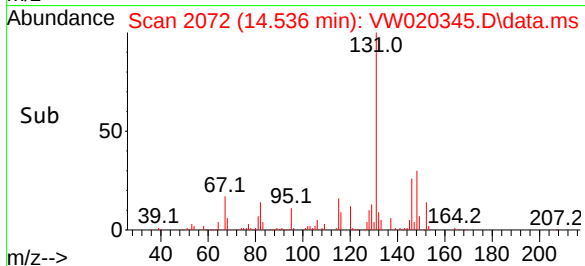
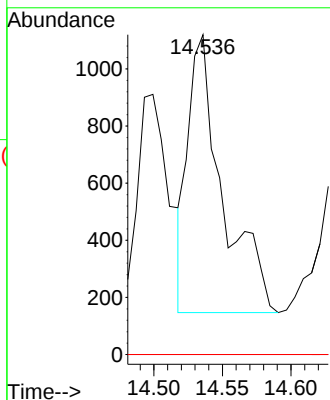
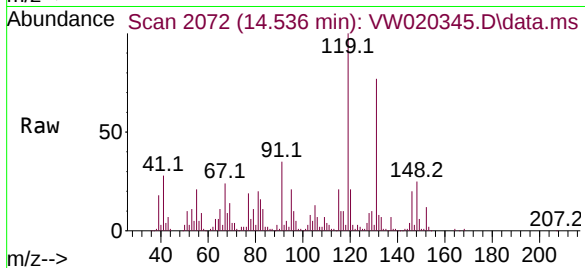
155 0.0 51.4 77.0#

157 0.0 70.8 106.2#

Instrument :

MSVOA_W

ClientSampled :



#71

Naphthalene

Concen: 5.155 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VW020345.D

Acq: 07 Oct 2021 04:38

Tgt Ion:128 Resp: 16431

Ion Ratio Lower Upper

128 100

127 15.8 10.5 15.7#

129 0.0 8.7 13.1#

