

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082421\
 Data File : VW019883.D
 Acq On : 24 Aug 2021 18:29
 Operator : SY/VA
 Sample : M3526-08
 Misc : 2.19g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW7C0

Quant Time: Aug 25 01:02:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Aug 25 00:57:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	727232	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	634717	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	318972	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	208593	18.513	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.040%
7) Chloroethane-d5	2.897	69	173048	17.497	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.000%
11) 1,1-Dichloroethene-d2	4.025	63	283927	14.522	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.080%
21) 2-Butanone-d5	7.086	46	80279	35.076	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.160%
24) Chloroform-d	7.653	84	408191	20.410	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.640%
26) 1,2-Dichloroethane-d4	8.311	65	199187	18.481	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	73.920%
32) Benzene-d6	8.281	84	819231	22.637	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.560%
36) 1,2-Dichloropropane-d6	9.348	67	4555097	415.636	ug/L	0.07
Spiked Amount	25.000	Range	70 - 120	Recovery	=	1662.560%#
41) Toluene-d8	10.329	98	2917045	87.956	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	351.840%#
43) trans-1,3-Dichloroprop...	10.579	79	63096	13.936	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	55.760%
47) 2-Hexanone-d5	10.927	63	126544	82.885	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	165.780%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	182560	20.467	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.880%
66) 1,2-Dichlorobenzene-d4	13.853	152	218093	19.933	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.720%
Target Compounds						
13) Acetone	4.129	43	84022	43.004	ug/L	58
14) Carbon disulfide	4.391	76	11339	0.360	ug/L	# 94
16) Methylene chloride	4.922	84	54909	4.399	ug/L	# 54
19) 1,1-Dichloroethane	6.293	63	15412	0.840	ug/L	# 1
22) 2-Butanone	7.171	43	99480	39.292	ug/L	# 49
25) Chloroform	7.641	83	353030	18.609	ug/L	# 21
27) 1,2-Dichloroethane	8.445	62	51666	4.175	ug/L	# 1
29) Cyclohexane	7.964	56	12275864	823.580	ug/L	92
33) Benzene	8.329	78	159587	4.097	ug/L	100
34) Trichloroethene	9.122	95	239684	23.668	ug/L	# 16
35) Methylcyclohexane	9.073	83	714598	41.139	ug/L	93
38) Bromodichloromethane	9.622	83	944570	75.575	ug/L	# 39
40) 4-Methyl-2-pentanone	10.219	43	75744	14.764	ug/L	# 44
42) Toluene	10.390	91	322857	7.824	ug/L	93
45) 1,1,2-Trichloroethane	10.768	97	9170741	1312.974	ug/L	# 21
48) 2-Hexanone	10.945	43	5702221	1596.718	ug/L	# 23
50) 1,2-Dibromoethane	11.237	107	42890	6.538	ug/L	# 1
51) Chlorobenzene	11.676	112	18055	0.689	ug/L	# 1
52) Ethylbenzene	11.731	91	2595718	58.426	ug/L	95

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

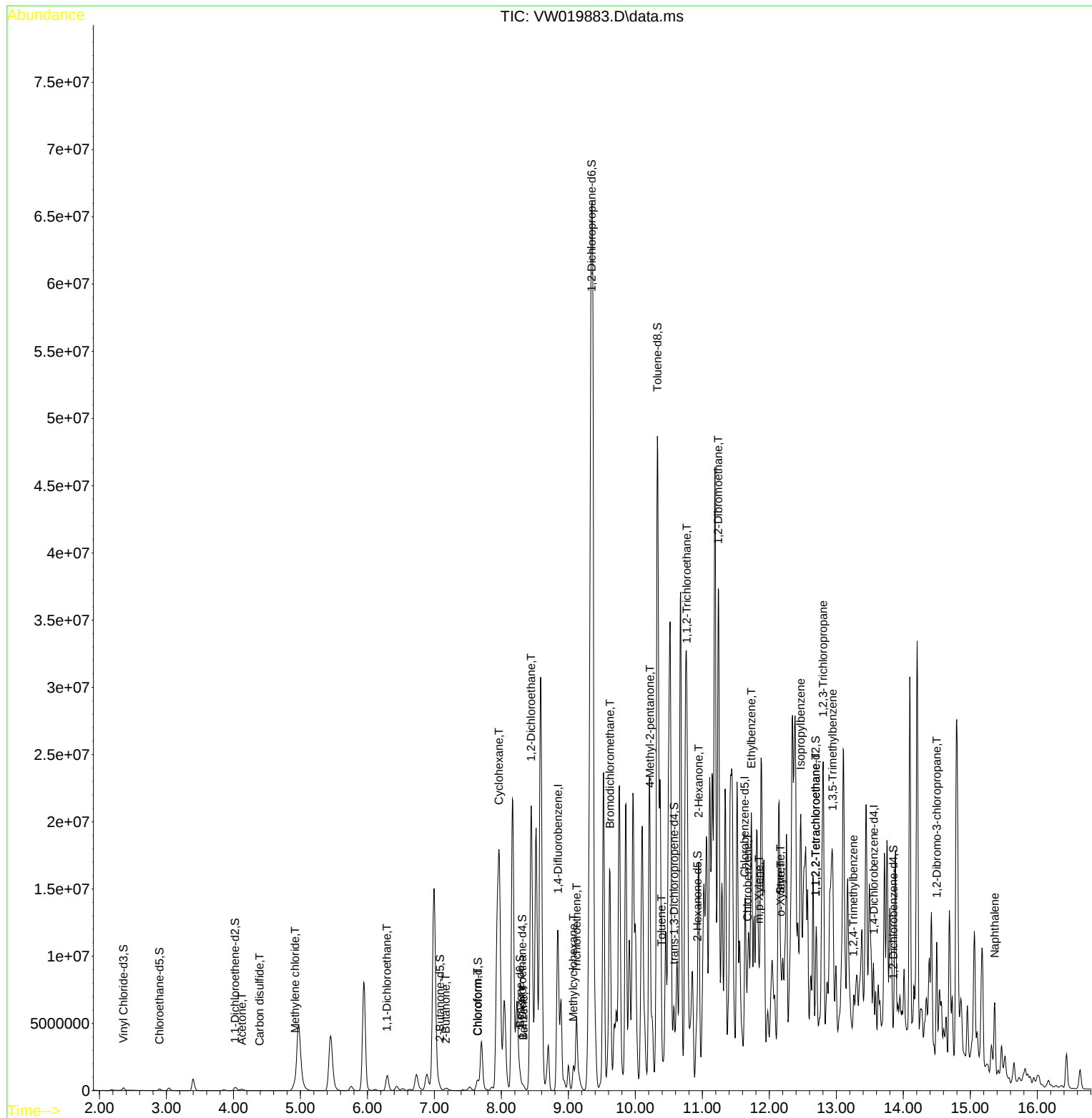
53) m,p-Xylene	11.847	106	1338114	78.432	ug/L	97
54) o-Xylene	12.170	106	190028	11.775	ug/L	70
55) Styrene	12.164	104	10381	0.376	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.695	83	251600	29.374	ug/L #	48
60) Isopropylbenzene	12.469	105	8326632	192.658	ug/L	97
61) 1,2,3-Trichloropropane	12.804	75	92376	14.771	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.944	105	1001703	29.038	ug/L	97
63) 1,2,4-Trimethylbenzene	13.255	105	356483	10.195	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.499	75	24863	18.237	ug/L #	14
71) Naphthalene	15.365	128	4625423	227.322	ug/L	99

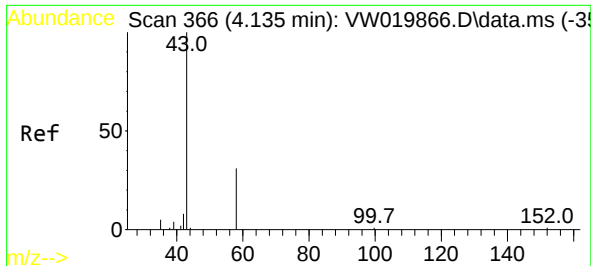
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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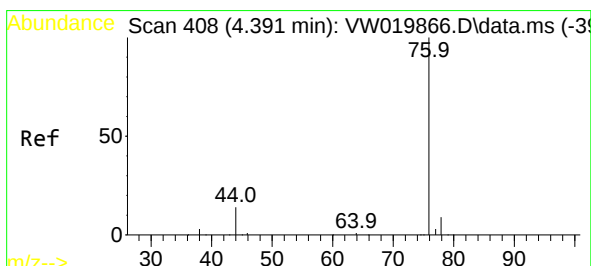
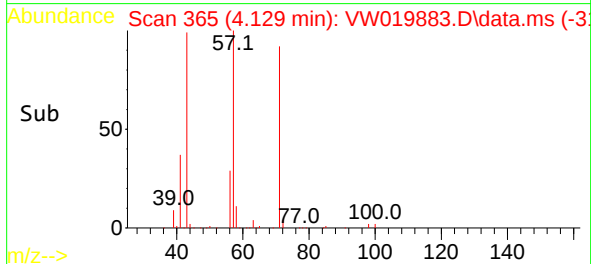
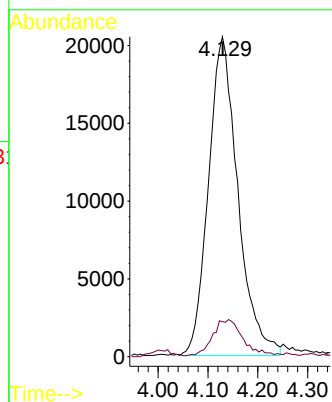
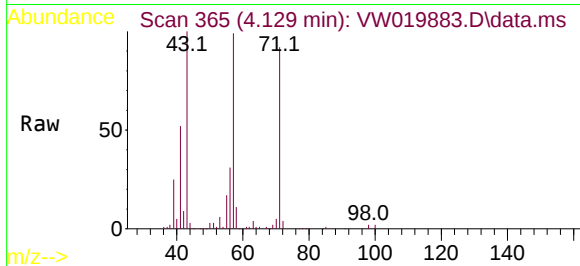




#13
Acetone
Concen: 43.004 ug/L
RT: 4.129 min Scan# 365
Delta R.T. -0.006 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

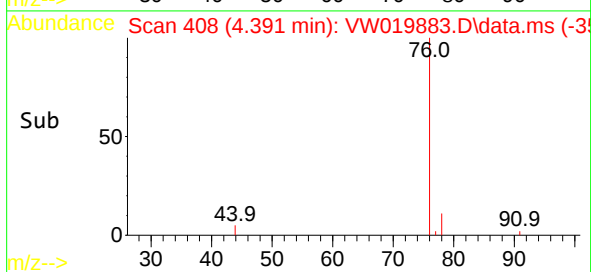
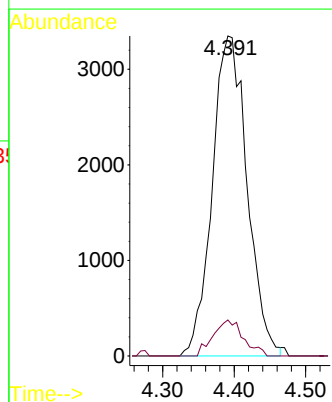
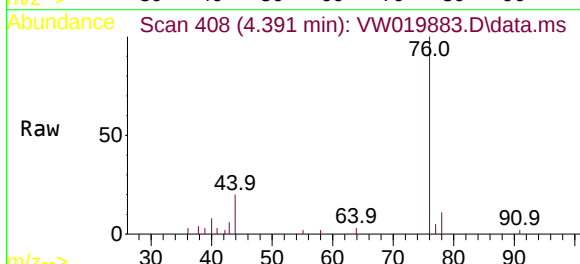
Instrument :
MSVOA_W
ClientSampled :
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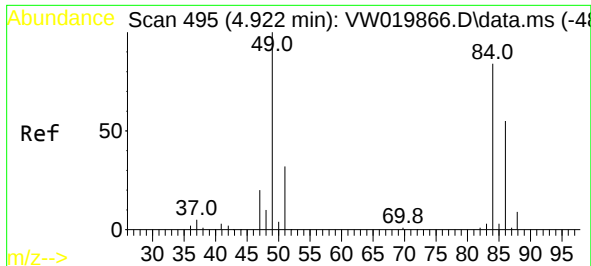
Tgt Ion: 43 Resp: 84022
Ion Ratio Lower Upper
43 100
58 5.0 0.0 53.8



#14
Carbon disulfide
Concen: 0.360 ug/L
RT: 4.391 min Scan# 408
Delta R.T. -0.000 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

Tgt Ion: 76 Resp: 11339
Ion Ratio Lower Upper
76 100
78 11.3 7.4 11.0#

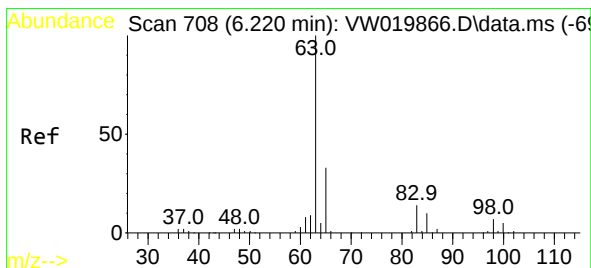
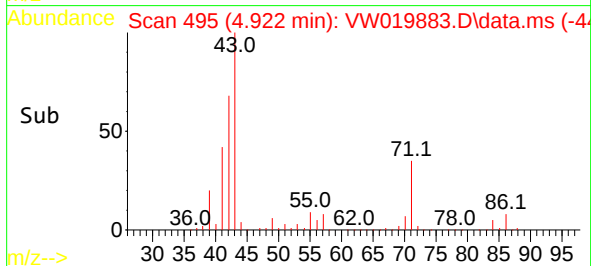
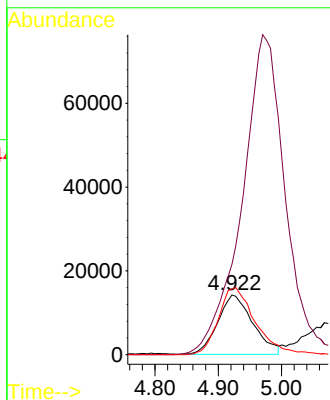
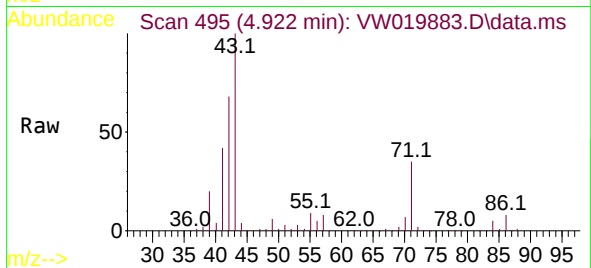




#16
Methylene chloride
Concen: 4.399 ug/L
RT: 4.922 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

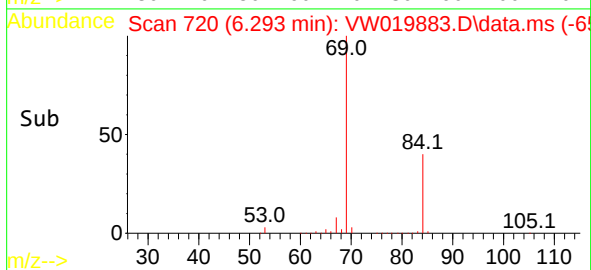
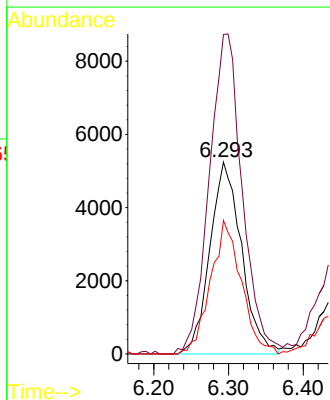
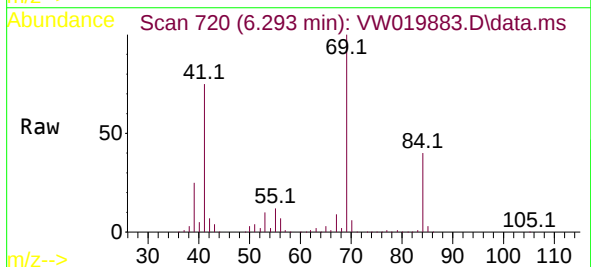
Instrument :
MSVOA_W
ClientSampled :
EW7C0

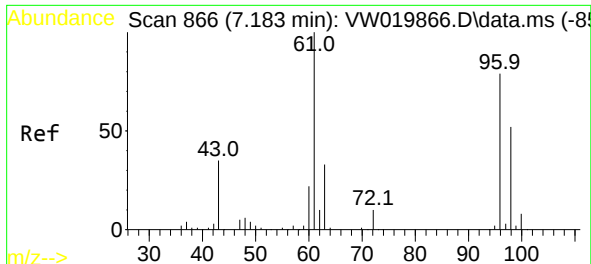
Tgt Ion: 84 Resp: 54909
Ion Ratio Lower Upper
84 100
86 151.3 45.3 84.1#
49 110.1 86.6 160.8



#19
1,1-Dichloroethane
Concen: 0.840 ug/L
RT: 6.293 min Scan# 720
Delta R.T. 0.073 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

Tgt Ion: 63 Resp: 15412
Ion Ratio Lower Upper
63 100
65 166.6 22.9 42.5#
83 69.6 10.2 19.0#

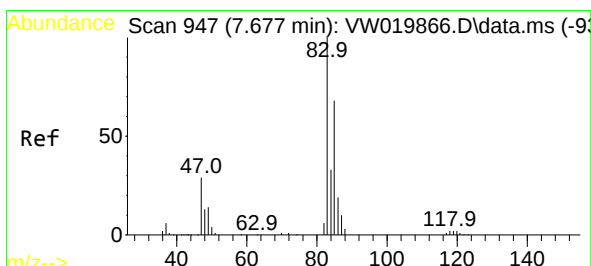
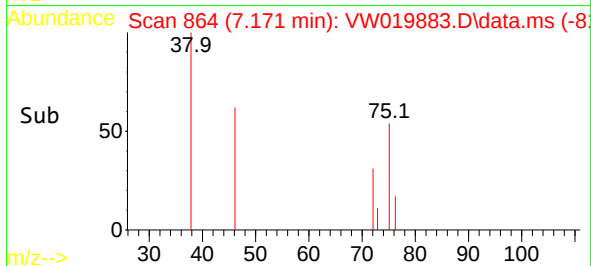
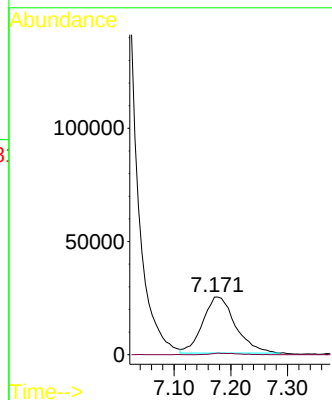
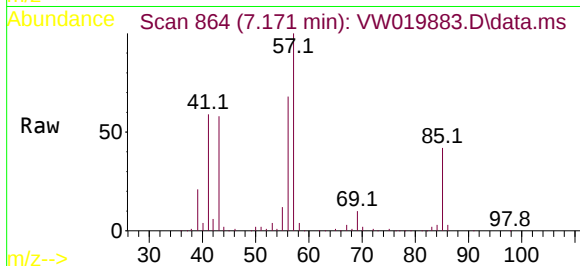




#22
2-Butanone
Concen: 39.292 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.012 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

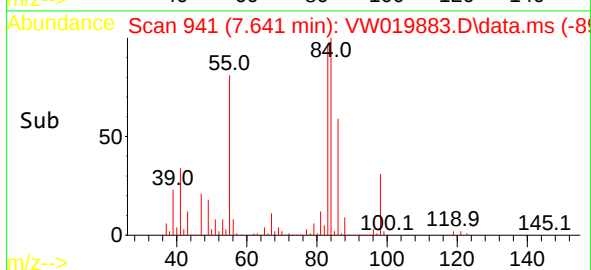
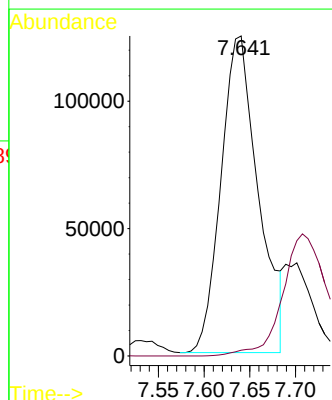
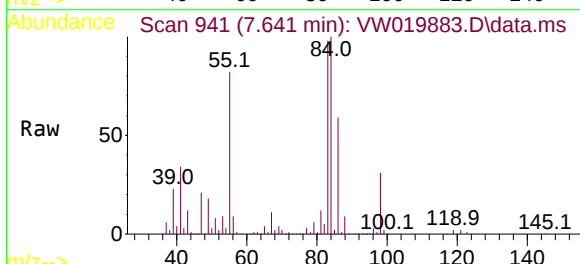
Instrument :
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ClientSampled :
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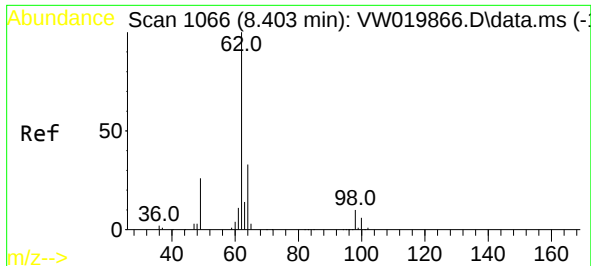
Tgt Ion: 43 Resp: 99480
Ion Ratio Lower Upper
43 100
72 2.0 14.9 44.7#



#25
Chloroform
Concen: 18.609 ug/L
RT: 7.641 min Scan# 941
Delta R.T. -0.037 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

Tgt Ion: 83 Resp: 353030
Ion Ratio Lower Upper
83 100
85 1.8 44.6 82.8#

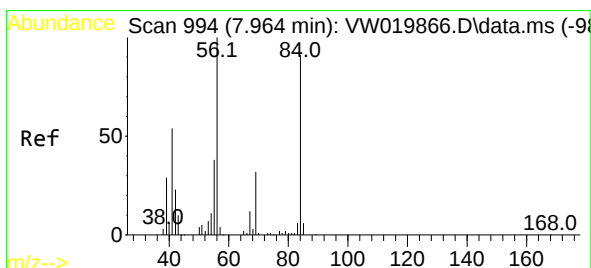
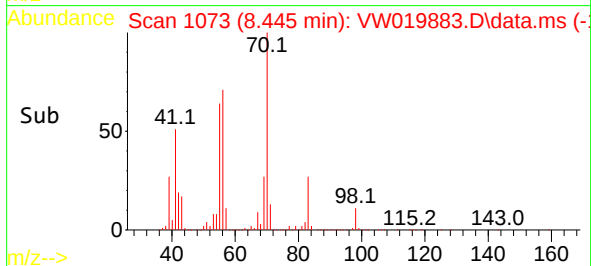
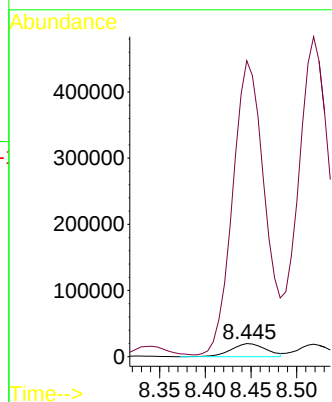
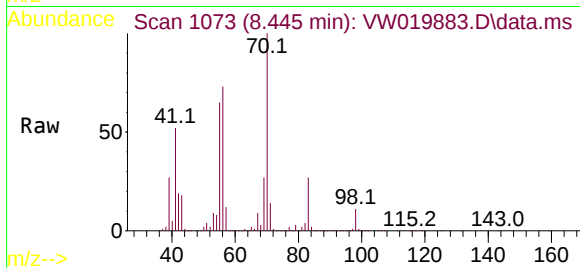




#27
1,2-Dichloroethane
Concen: 4.175 ug/L
RT: 8.445 min Scan# 1073
Delta R.T. 0.043 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

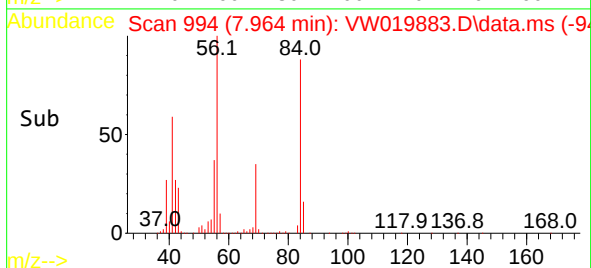
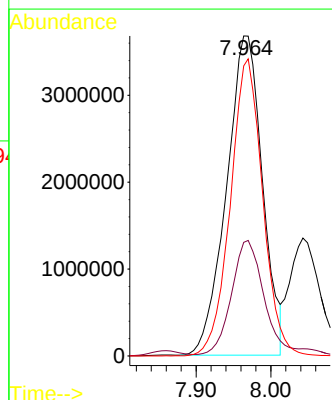
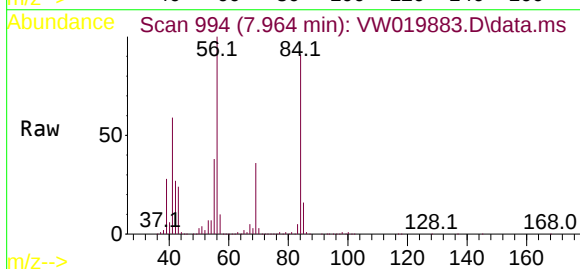
Instrument :
MSVOA_W
ClientSampled :
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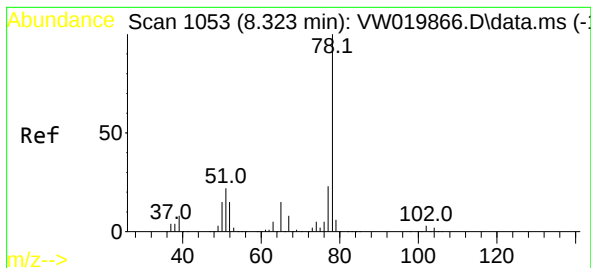
Tgt Ion: 62 Resp: 51666
Ion Ratio Lower Upper
62 100
98 2253.9 6.9 10.3#



#29
Cyclohexane
Concen: 823.580 ug/L
RT: 7.964 min Scan# 994
Delta R.T. -0.000 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

Tgt Ion: 56 Resp:12275864
Ion Ratio Lower Upper
56 100
69 31.8 24.5 36.7
84 83.8 75.0 112.4

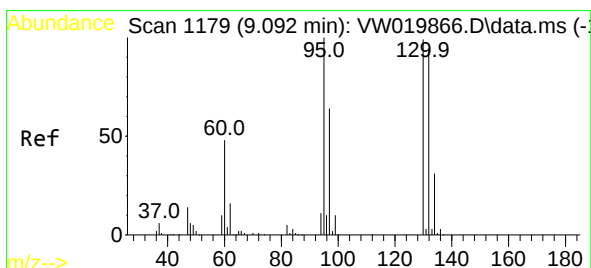
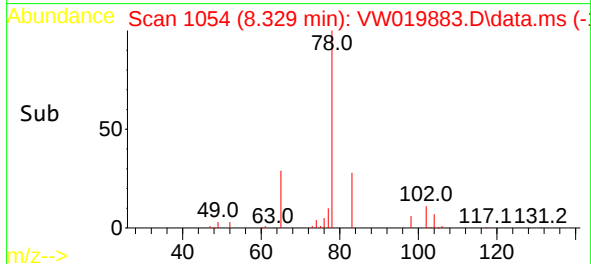
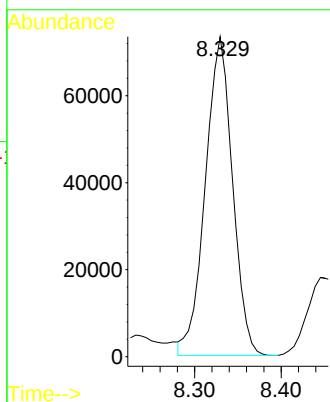
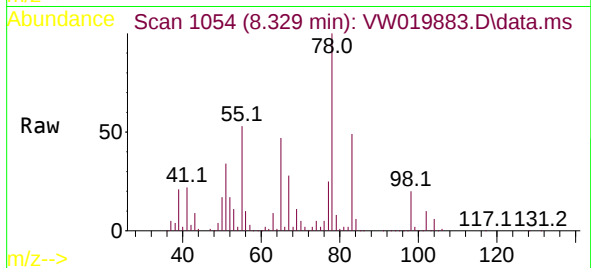




#33
Benzene
Concen: 4.097 ug/L
RT: 8.329 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

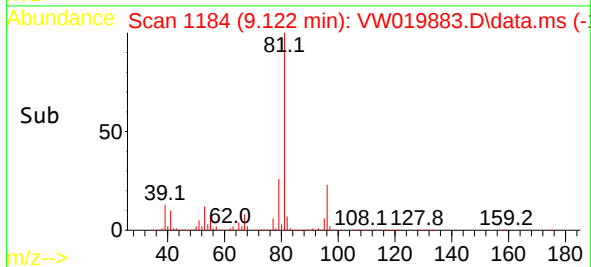
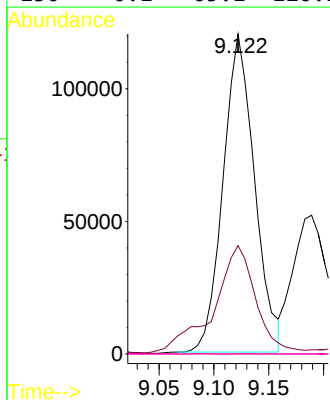
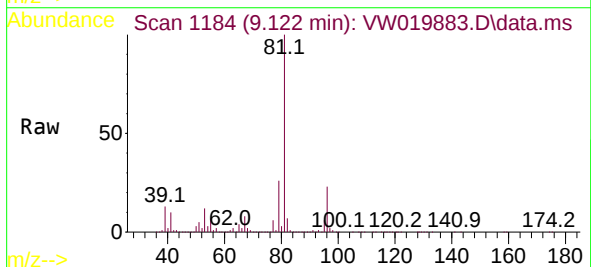
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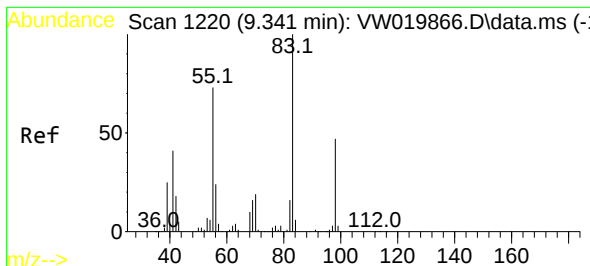
Tgt Ion: 78 Resp: 159587



#34
Trichloroethene
Concen: 23.668 ug/L
RT: 9.122 min Scan# 1184
Delta R.T. 0.030 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

Tgt Ion: 95 Resp: 239684
Ion Ratio Lower Upper
95 100
97 33.9 47.3 87.8#
132 0.0 71.0 131.8#
130 0.1 65.1 120.9#

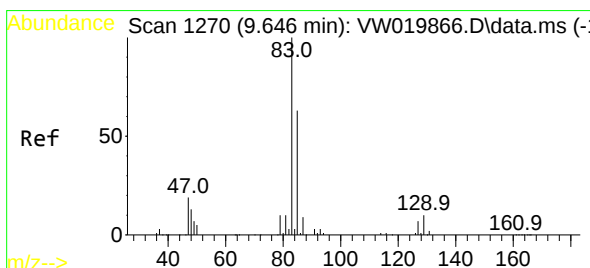
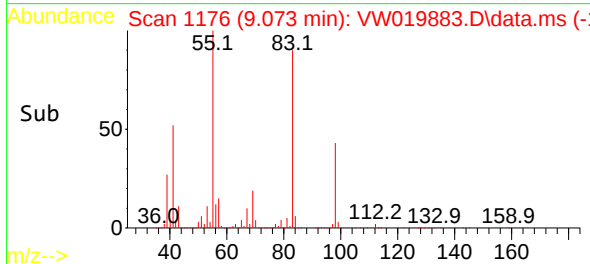
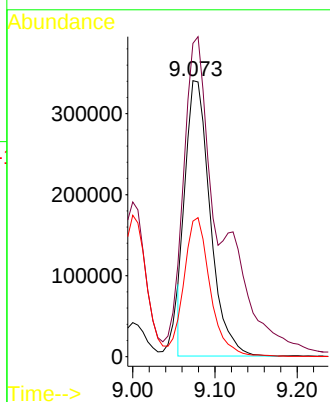
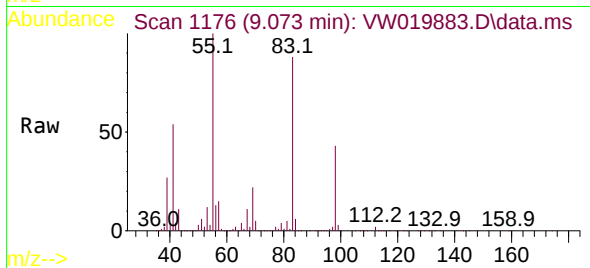




#35
Methylcyclohexane
Concen: 41.139 ug/L
RT: 9.073 min Scan# 1176
Delta R.T. -0.268 min
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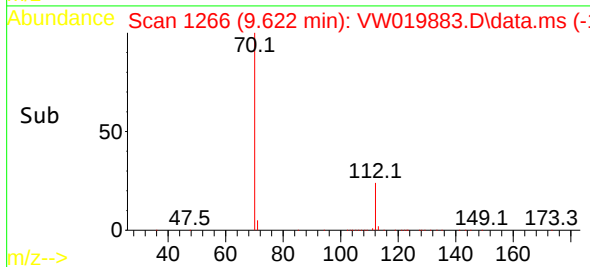
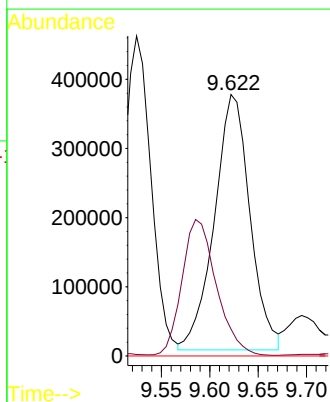
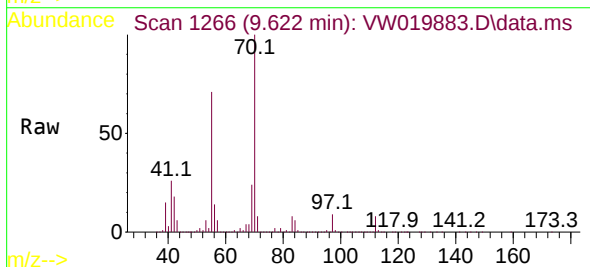
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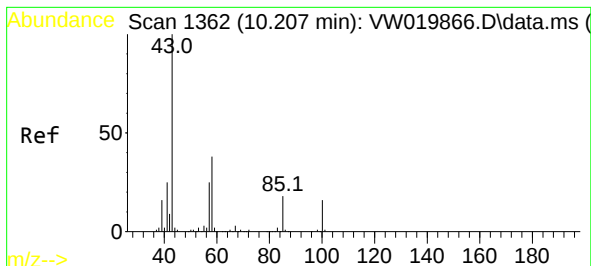
Tgt Ion: 83 Resp: 714598
Ion Ratio Lower Upper
83 100
55 65.8 58.9 88.3
98 48.3 40.1 60.1



#38
Bromodichloromethane
Concen: 75.575 ug/L
RT: 9.622 min Scan# 1266
Delta R.T. -0.024 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

Tgt Ion: 83 Resp: 944570
Ion Ratio Lower Upper
83 100
85 10.3 42.3 78.5#
127 0.0 6.6 9.8#

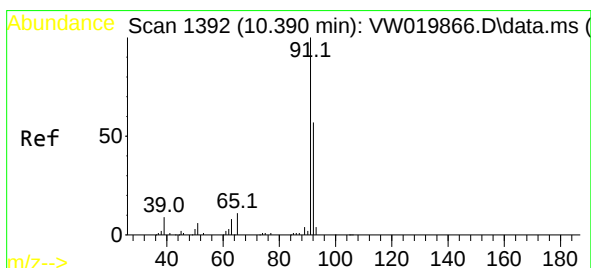
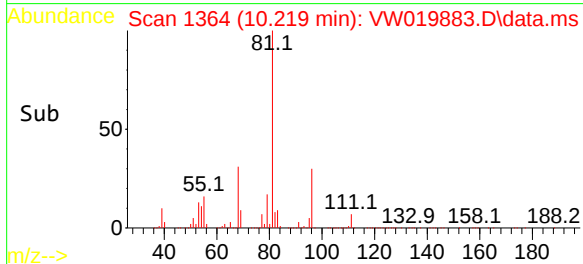
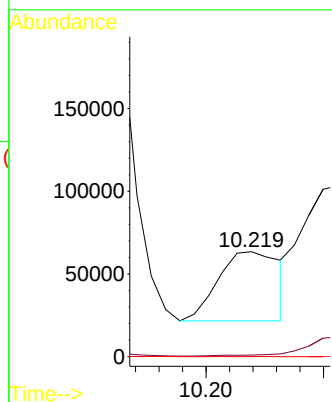
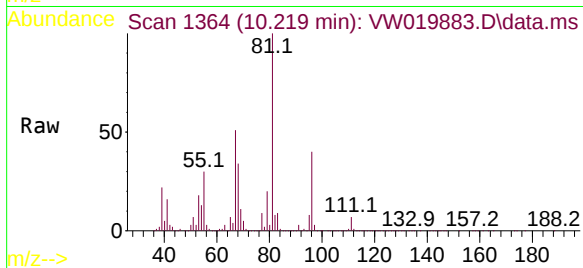




#40
4-Methyl-2-pentanone
Concen: 14.764 ug/L
RT: 10.219 min Scan# 1364
Delta R.T. 0.012 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

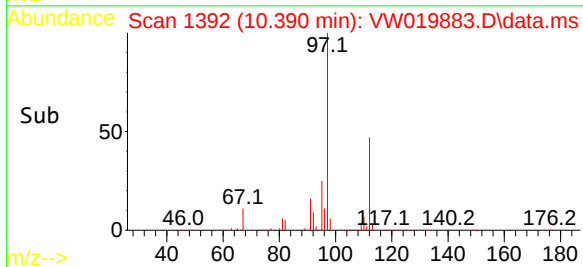
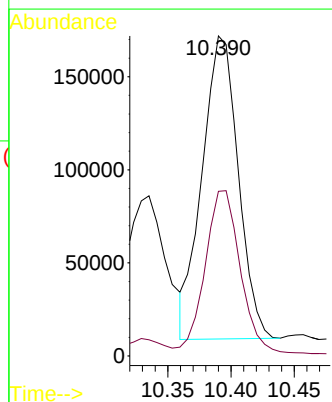
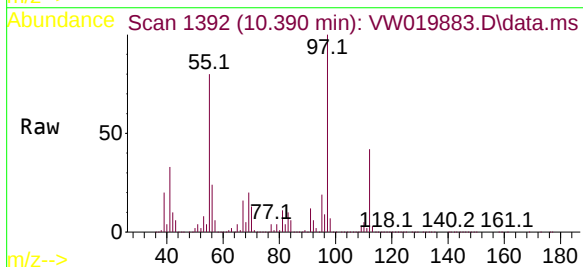
Instrument :
MSVOA_W
ClientSampled :
EW7C0

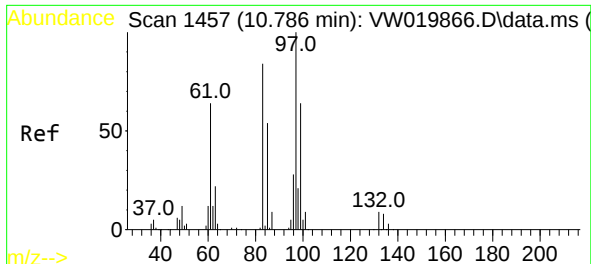
Tgt Ion: 43 Resp: 75744
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#
100 0.1 13.0 19.6#



#42
Toluene
Concen: 7.824 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

Tgt Ion: 91 Resp: 322857
Ion Ratio Lower Upper
91 100
92 51.5 39.5 73.3

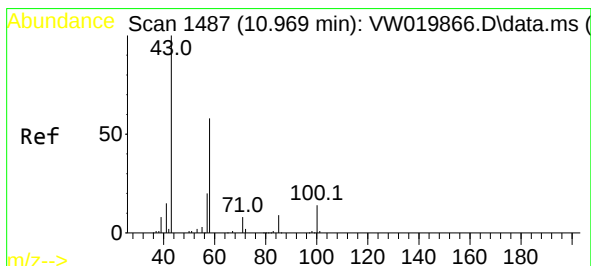
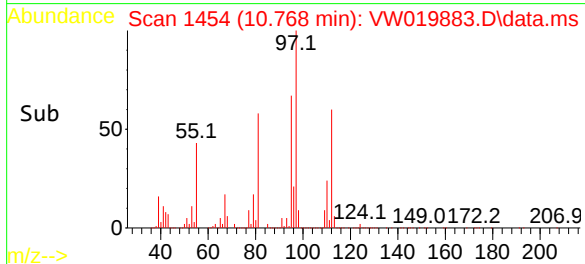
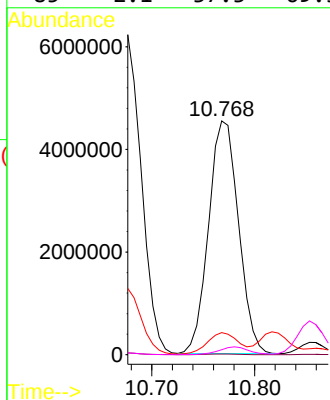
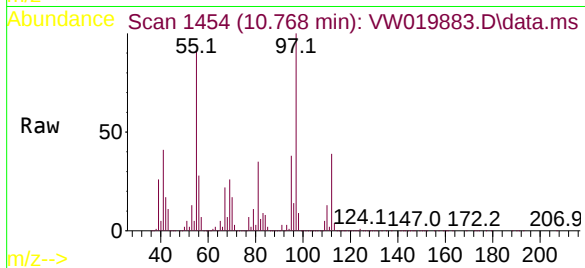




#45
1,1,2-Trichloroethane
Concen: 1312.974 ug/L
RT: 10.768 min Scan# 1454
Delta R.T. -0.018 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

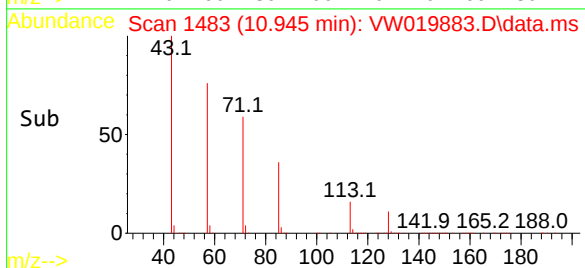
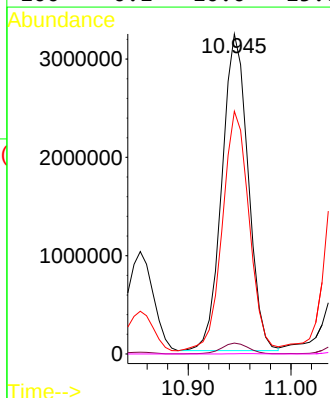
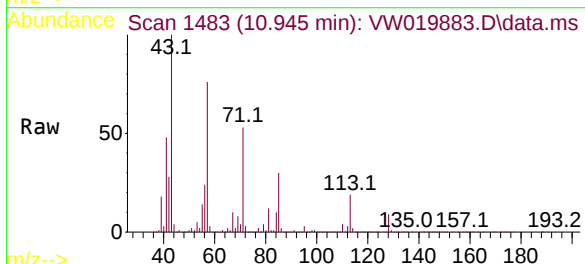
Instrument :
MSVOA_W
ClientSampled :
EW7C0

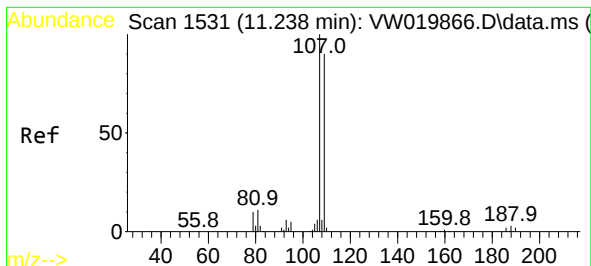
Tgt Ion: 97 Resp: 9170741
Ion Ratio Lower Upper
97 100
99 0.3 45.1 83.7#
83 9.4 58.1 107.9#
85 2.1 37.3 69.3#



#48
2-Hexanone
Concen: 1596.718 ug/L
RT: 10.945 min Scan# 1483
Delta R.T. -0.024 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

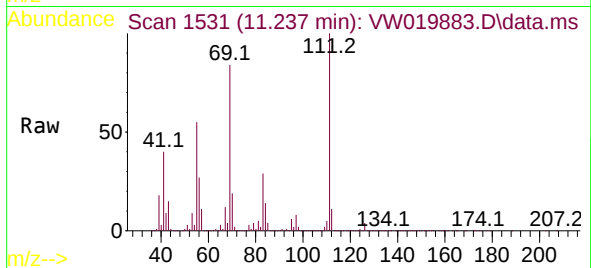
Tgt Ion: 43 Resp: 5702221
Ion Ratio Lower Upper
43 100
58 3.5 42.7 64.1#
57 77.1 15.8 23.8#
100 0.1 10.0 15.0#



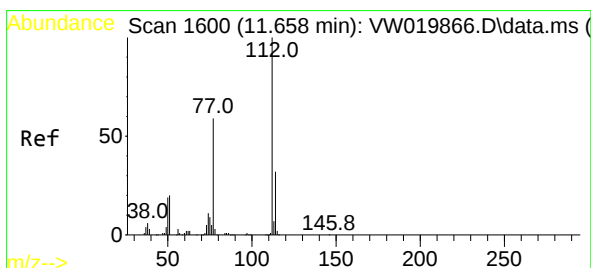
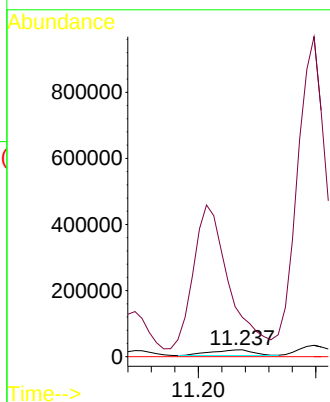
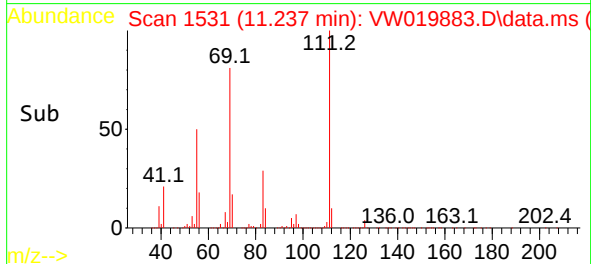


#50
1,2-Dibromoethane
Concen: 6.538 ug/L
RT: 11.237 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

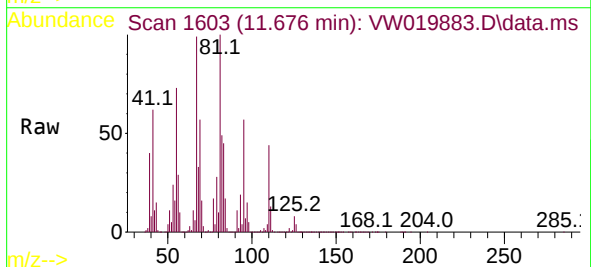
Instrument :
MSVOA_W
ClientSampled :
EW7C0



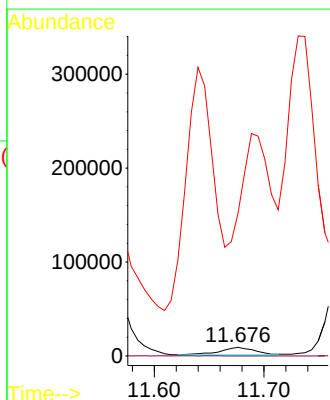
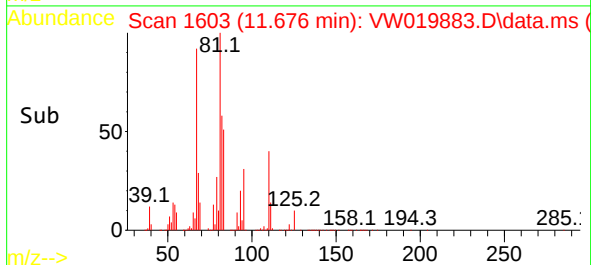
Tgt Ion:107 Resp: 42890
Ion Ratio Lower Upper
107 100
109 572.9 65.4 121.4#
188 0.6 2.6 4.0#

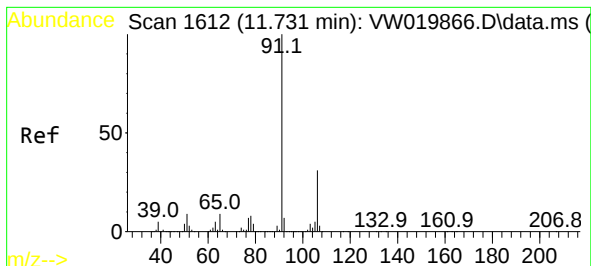


#51
Chlorobenzene
Concen: 0.689 ug/L
RT: 11.676 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29



Tgt Ion:112 Resp: 18055
Ion Ratio Lower Upper
112 100
114 0.0 23.4 43.6#
77 1643.1 47.6 71.4#

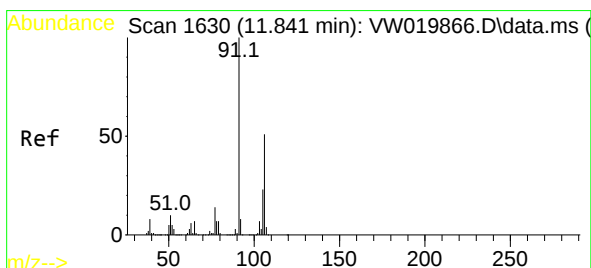
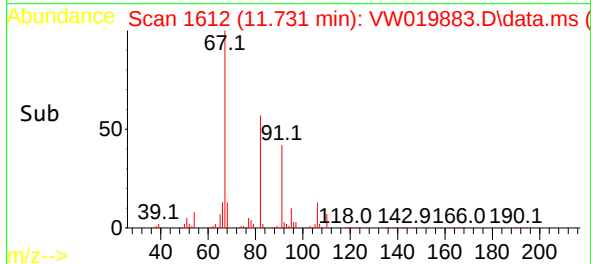
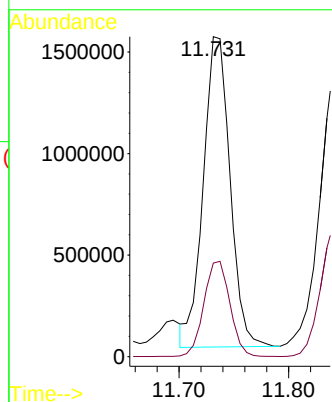
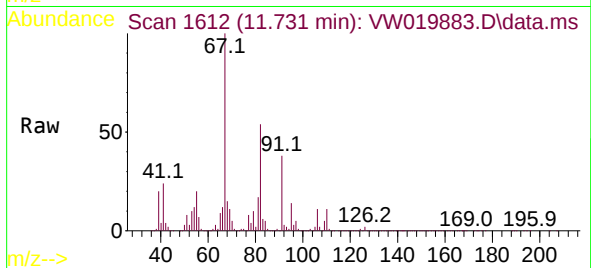




#52
Ethylbenzene
Concen: 58.426 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

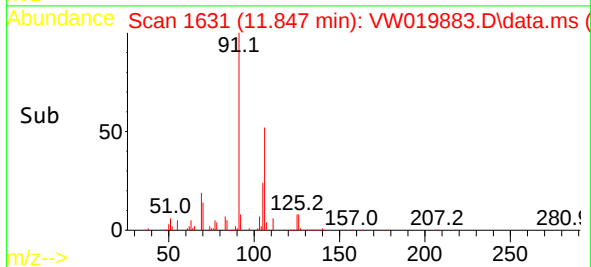
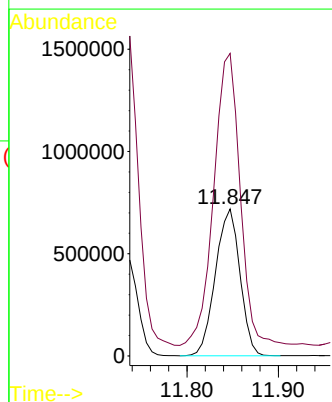
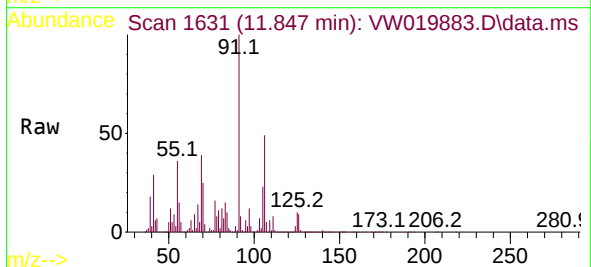
Instrument :
MSVOA_W
ClientSampleId :
EW7C0

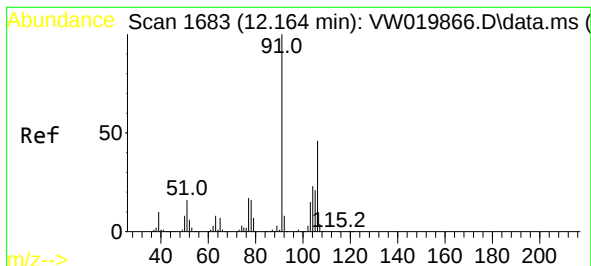
Tgt Ion: 91 Resp: 2595718
Ion Ratio Lower Upper
91 100
106 29.3 22.5 41.7



#53
m,p-Xylene
Concen: 78.432 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

Tgt Ion:106 Resp: 1338114
Ion Ratio Lower Upper
106 100
91 205.8 141.3 262.3

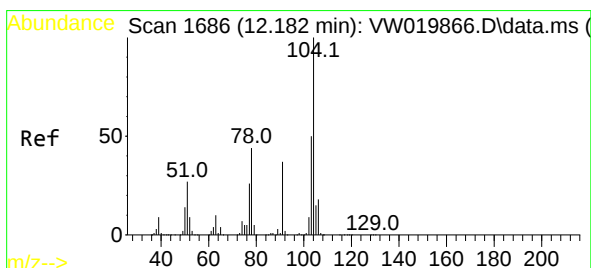
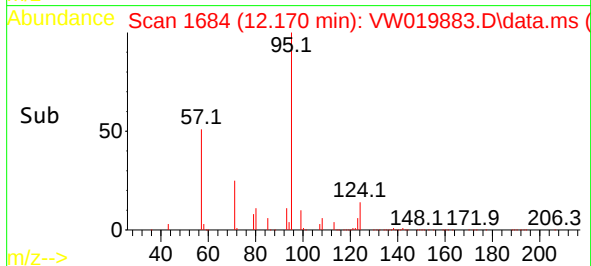
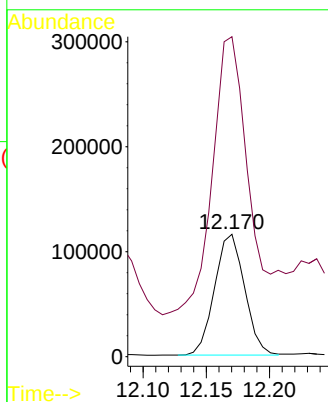
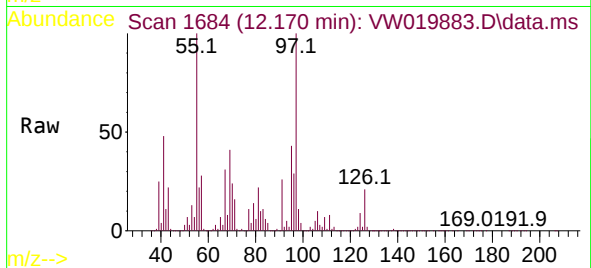




#54
o-Xylene
Concen: 11.775 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

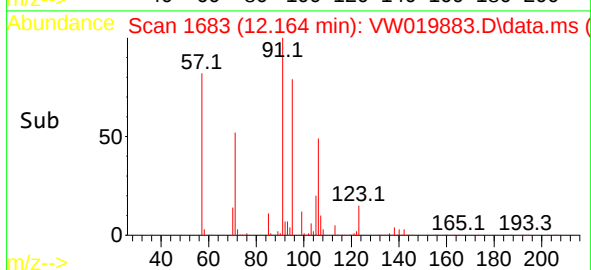
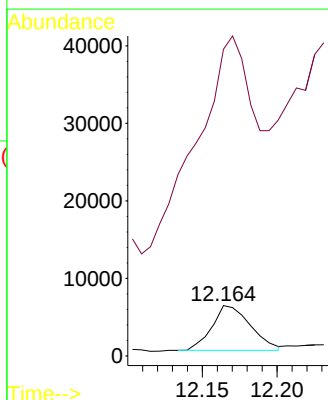
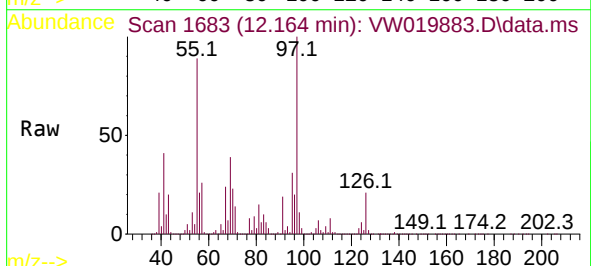
Instrument :
MSVOA_W
ClientSampled :
EW7C0

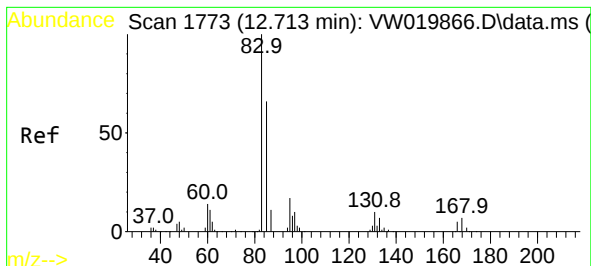
Tgt Ion:106 Resp: 190028
Ion Ratio Lower Upper
106 100
91 261.6 150.0 278.6



#55
Styrene
Concen: 0.376 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.018 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

Tgt Ion:104 Resp: 10381
Ion Ratio Lower Upper
104 100
78 608.2 32.5 60.3#

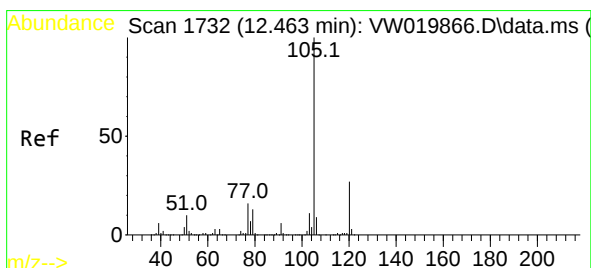
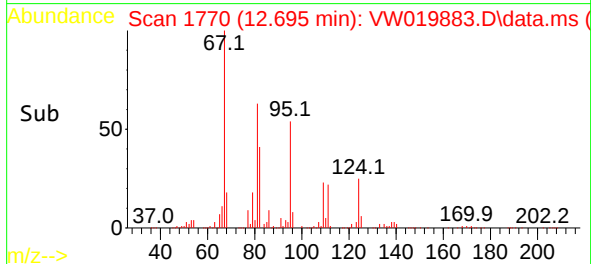
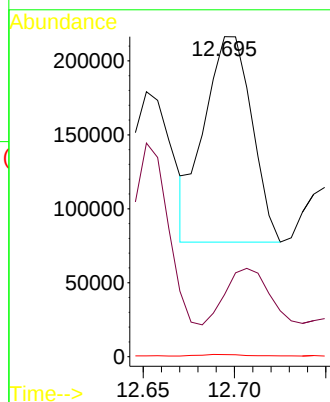
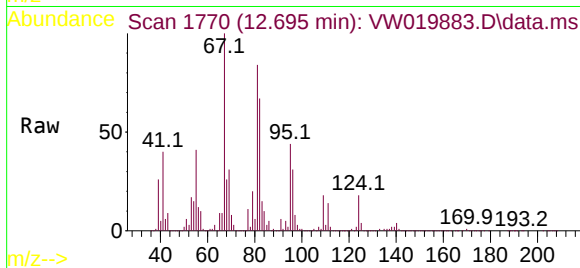




#57
1,1,2,2-Tetrachloroethane
Concen: 29.374 ug/L
RT: 12.695 min Scan# 1770
Delta R.T. -0.018 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

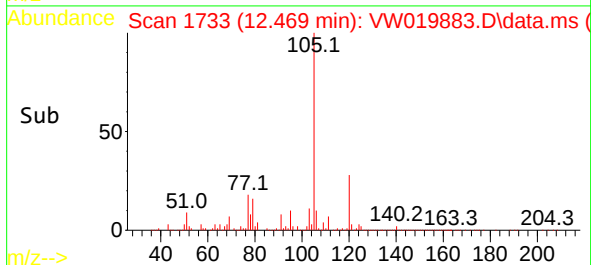
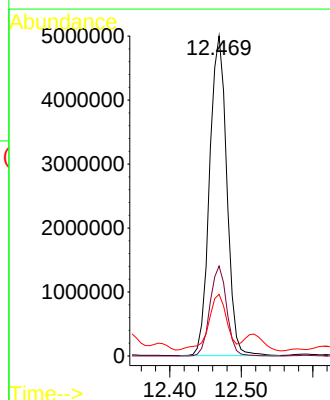
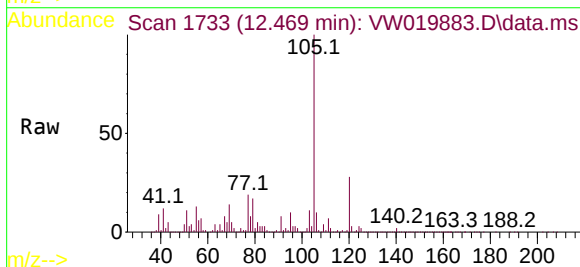
Instrument :
MSVOA_W
ClientSampled :
EW7C0

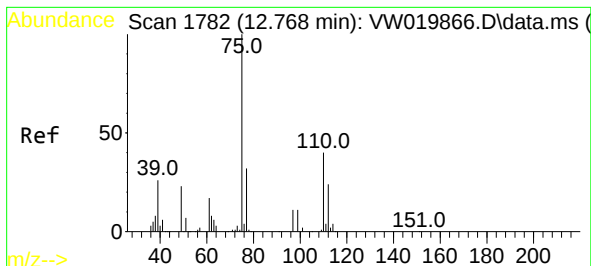
Tgt Ion: 83 Resp: 251600
Ion Ratio Lower Upper
83 100
85 19.4 44.4 82.4#
131 0.6 8.2 12.4#



#60
Isopropylbenzene
Concen: 192.658 ug/L
RT: 12.469 min Scan# 1733
Delta R.T. 0.006 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

Tgt Ion:105 Resp: 8326632
Ion Ratio Lower Upper
105 100
120 27.3 21.1 31.7
77 18.2 13.2 19.8

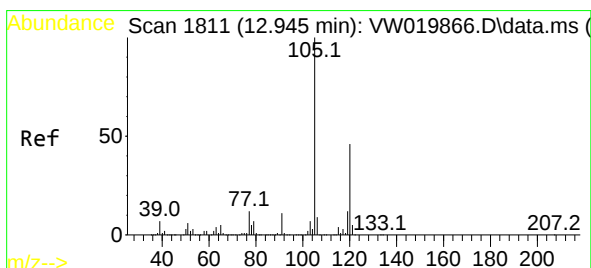
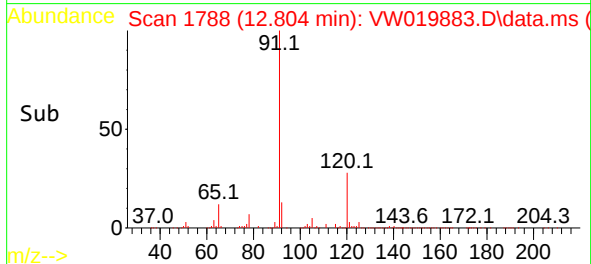
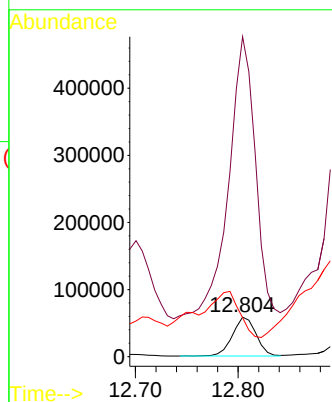
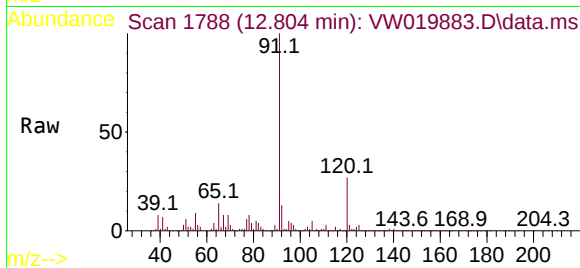




#61
1,2,3-Trichloropropane
Concen: 14.771 ug/L
RT: 12.804 min Scan# 1788
Delta R.T. 0.037 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

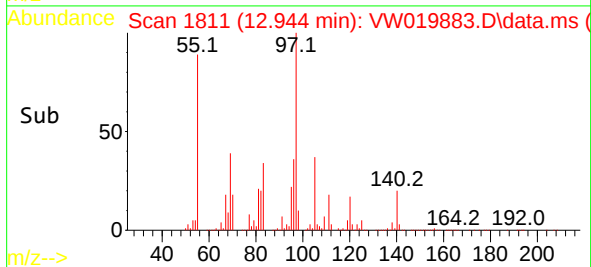
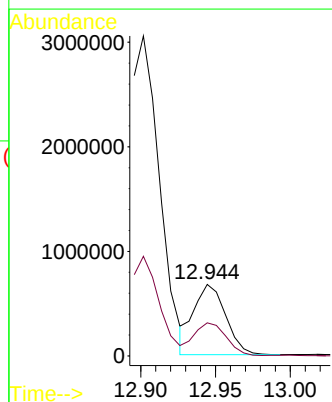
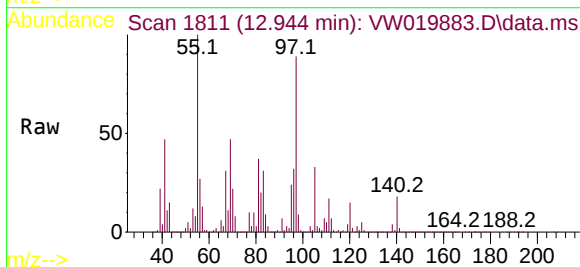
Instrument :
MSVOA_W
ClientSampled :
EW7C0

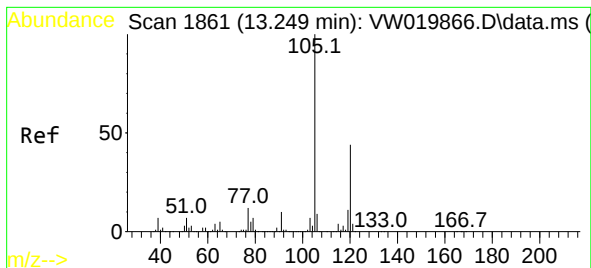
Tgt Ion: 75 Resp: 92376
Ion Ratio Lower Upper
75 100
77 770.3 25.3 37.9#
110 177.5 32.6 48.8#



#62
1,3,5-Trimethylbenzene
Concen: 29.038 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

Tgt Ion:105 Resp: 1001703
Ion Ratio Lower Upper
105 100
120 46.7 39.0 58.6

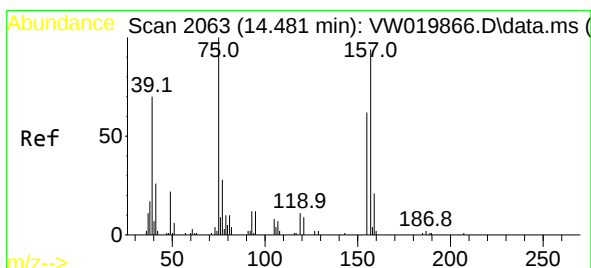
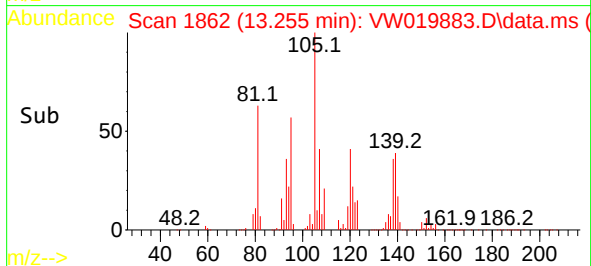
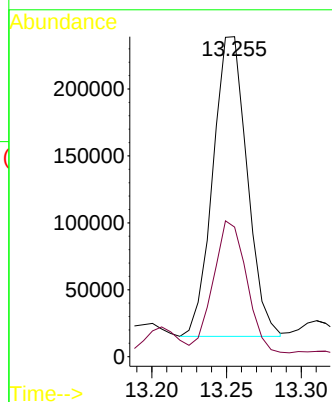
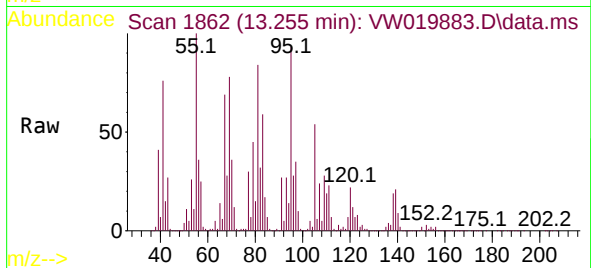




#63
1,2,4-Trimethylbenzene
Concen: 10.195 ug/L
RT: 13.255 min Scan# 1862
Delta R.T. 0.006 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

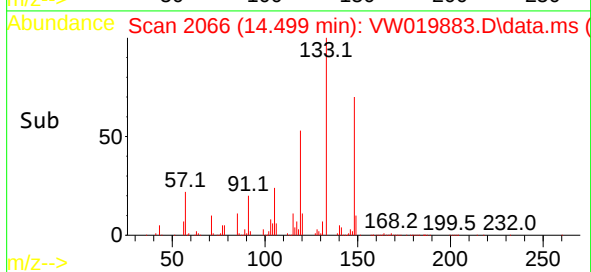
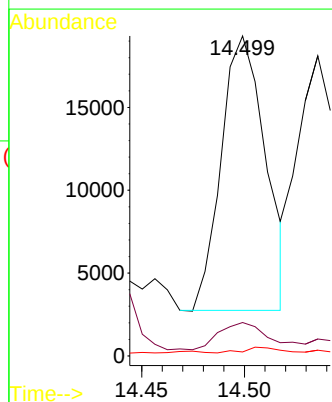
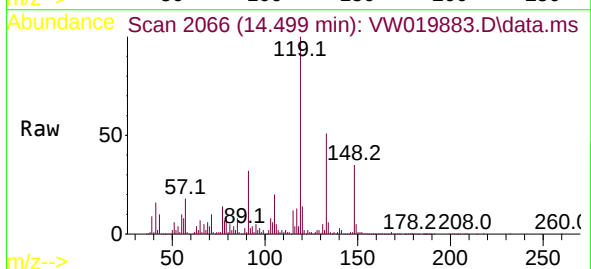
Instrument :
MSVOA_W
ClientSampled :
EW7C0

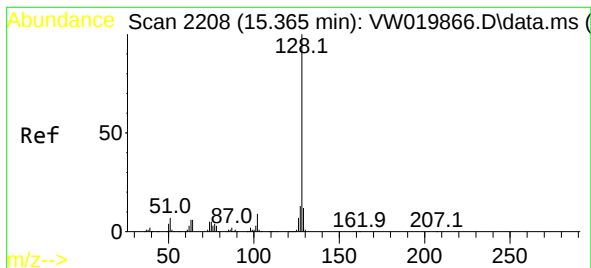
Tgt Ion:105 Resp: 356483
Ion Ratio Lower Upper
105 100
120 43.6 35.6 53.4



#68
1,2-Dibromo-3-chloropropane
Concen: 18.237 ug/L
RT: 14.499 min Scan# 2066
Delta R.T. 0.018 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

Tgt Ion: 75 Resp: 24863
Ion Ratio Lower Upper
75 100
155 10.5 59.4 89.0#
157 1.3 72.2 108.2#





#71
Naphthalene
Concen: 227.322 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW019883.D
Acq: 24 Aug 2021 18:29

Instrument :
MSVOA_W
ClientSampleId :
EW7C0

Tgt Ion:128 Resp: 4625423
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 9.0 13.6

