

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021133.D
 Acq On : 04 Dec 2021 21:16
 Operator : SY/VA
 Sample : M4885-22
 Misc : 4.86g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 00:51:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 04:50:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.847	114	94881	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	64603	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	21222	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	45319	34.282	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 137.120%	
7) Chloroethane-d5	2.885	69	30022	33.926	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 135.720%	
11) 1,1-Dichloroethene-d2	4.013	63	47907	22.685	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 90.720%	
21) 2-Butanone-d5	7.079	46	21055	69.827	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 139.660%#	
24) Chloroform-d	7.652	84	69407	29.210	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 116.840%	
26) 1,2-Dichloroethane-d4	8.305	65	38901	29.925	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 119.720%	
32) Benzene-d6	8.274	84	135467	41.011	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 164.040%#	
36) 1,2-Dichloropropane-d6	9.274	67	37487	40.838	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 163.360%#	
41) Toluene-d8	10.323	98	113591	33.537	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 134.160%#	
43) trans-1,3-Dichloroprop...	10.579	79	11875	28.490	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 113.960%	
47) 2-Hexanone-d5	10.926	63	14887	84.764	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 169.520%#	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	22120	26.047	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 104.200%	
66) 1,2-Dichlorobenzene-d4	13.853	152	18026	23.706	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 94.840%	
Target Compounds						
					Qvalue	
13) Acetone	4.123	43	3941	14.348	ug/L	94
20) cis-1,2-Dichloroethene	7.159	96	934	0.671	ug/L	68
27) 1,2-Dichloroethane	8.402	62	2982	1.953	ug/L	97
33) Benzene	8.323	78	108088	29.422	ug/L	100
34) Trichloroethene	9.091	95	291584	287.693	ug/L	98
35) Methylcyclohexane	9.335	83	1099	0.644	ug/L	# 86
37) 1,2-Dichloropropane	9.274	63	4835	5.823	ug/L	# 88
39) cis-1,3-Dichloropropene	10.036	75	1326	0.987	ug/L	# 78
42) Toluene	10.390	91	120537	28.726	ug/L	97
45) 1,1,2-Trichloroethane	10.786	97	8025	11.528	ug/L	92
46) Tetrachloroethene	10.859	164	51061	55.018	ug/L	90
49) Dibromochloromethane	10.859	129	40274	46.289	ug/L	# 10
52) Ethylbenzene	11.731	91	36411	7.708	ug/L	99
53) m,p-Xylene	11.835	106	136966	70.089	ug/L	88
54) o-Xylene	12.164	106	61654	33.463	ug/L	95
55) Styrene	12.176	104	128406	40.905	ug/L	95
60) Isopropylbenzene	12.463	105	4864	1.649	ug/L	# 86
61) 1,2,3-Trichloropropane	12.865	75	985	2.771	ug/L	# 1
62) 1,3,5-Trimethylbenzene	12.944	105	655984	265.590	ug/L	95

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Quant Title : SFAM01.0
QLast Update : Sat Dec 04 04:50:24 2021
Response via : Initial Calibration

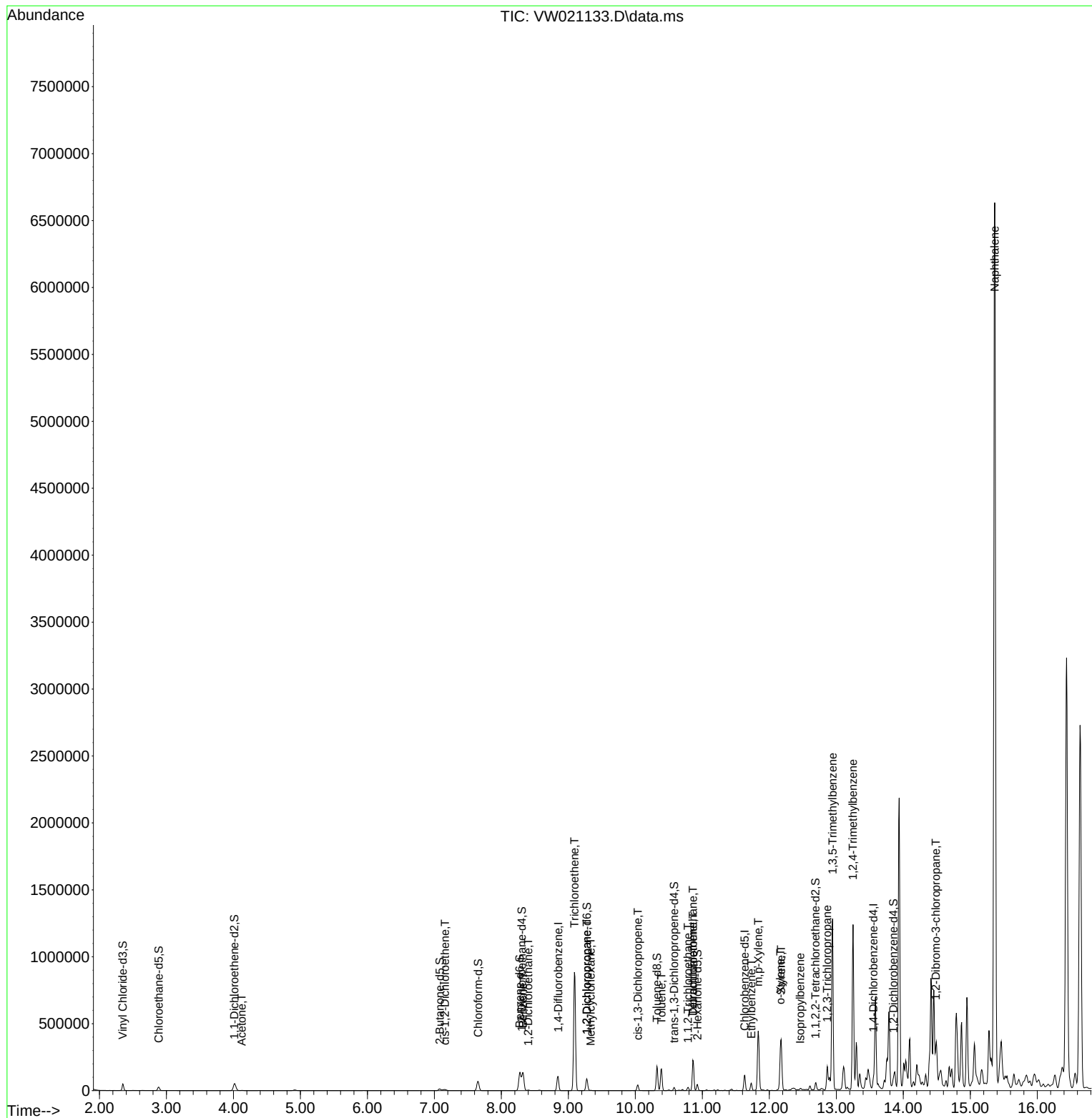
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	13.249	105	665389	267.857	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.487	75	8997	112.076	ug/L #	10
71) Naphthalene	15.365	128	5983156	3837.599	ug/L	99

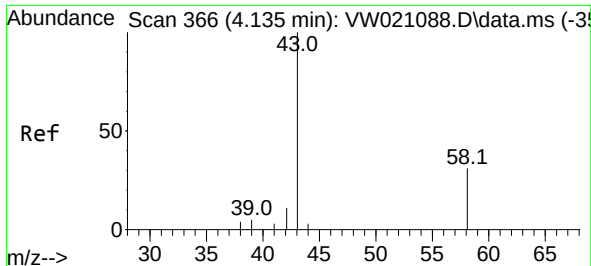
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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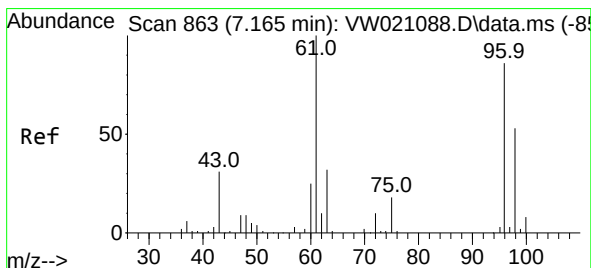
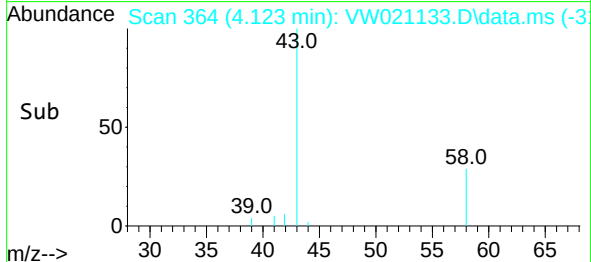
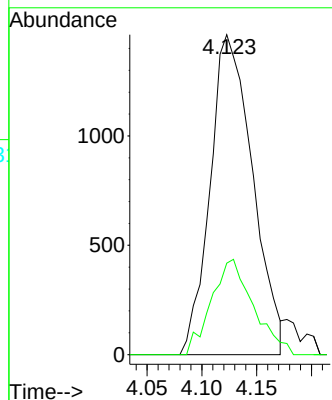
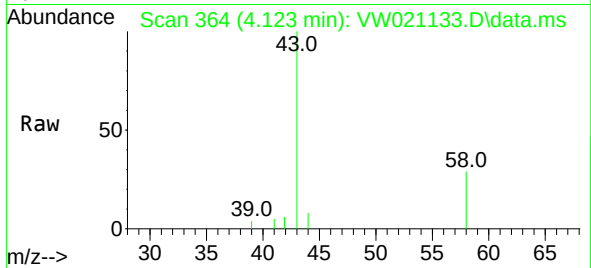




#13
Acetone
Concen: 14.348 ug/L
RT: 4.123 min Scan# 30
Delta R.T. -0.013 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

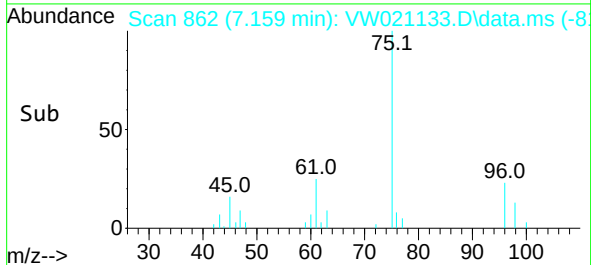
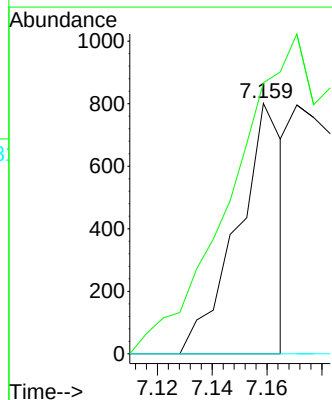
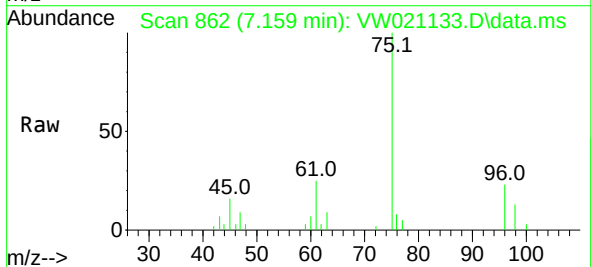
Instrument :
MSVOA_W
ClientSampleId :

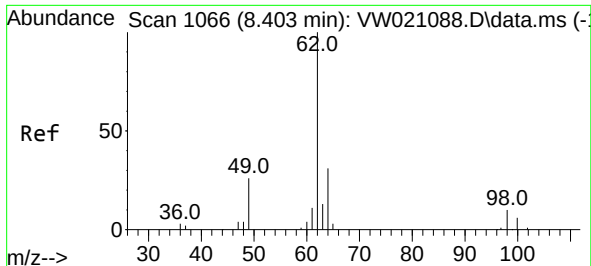
Tgt Ion: 43 Resp: 3941
Ion Ratio Lower Upper
43 100
58 29.4 0.0 52.8



#20
cis-1,2-Dichloroethene
Concen: 0.671 ug/L
RT: 7.159 min Scan# 862
Delta R.T. -0.006 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

Tgt Ion: 96 Resp: 934
Ion Ratio Lower Upper
96 100
61 108.2 103.7 192.7
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 1.953 ug/L

RT: 8.402 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW021133.D

Acq: 04 Dec 2021 21:16

Instrument :

MSVOA_W

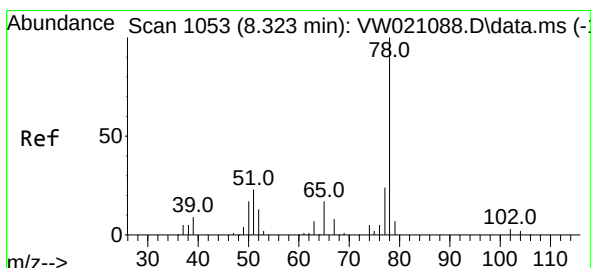
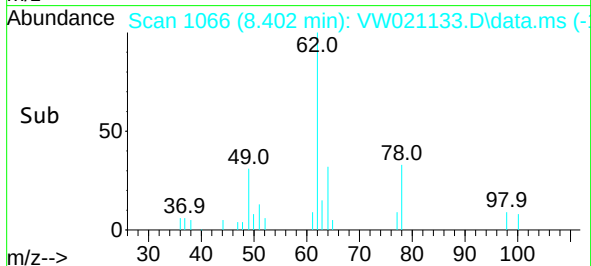
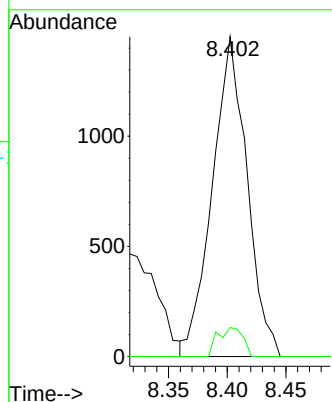
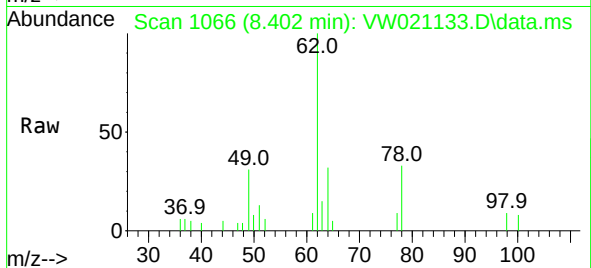
ClientSampleId :

Tgt Ion: 62 Resp: 2982

Ion Ratio Lower Upper

62 100

98 9.1 6.5 9.7



#33

Benzene

Concen: 29.422 ug/L

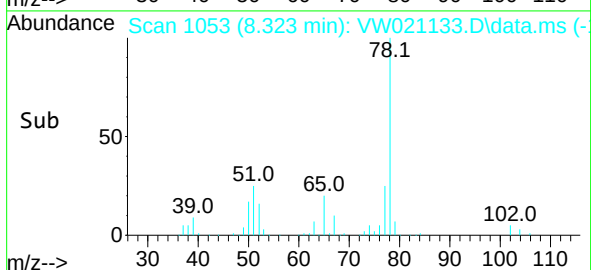
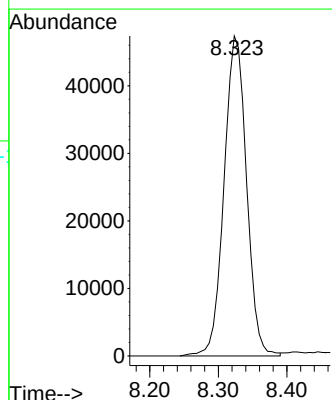
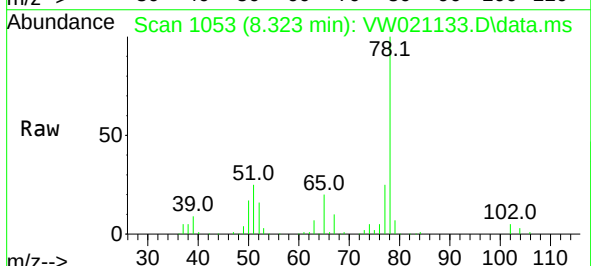
RT: 8.323 min Scan# 1053

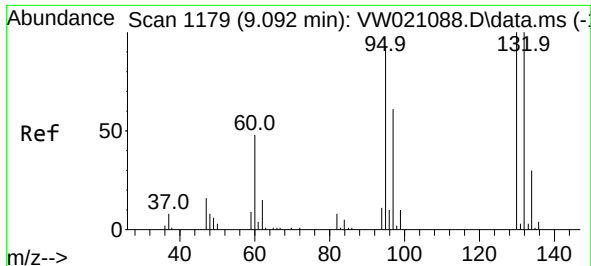
Delta R.T. -0.000 min

Lab File: VW021133.D

Acq: 04 Dec 2021 21:16

Tgt Ion: 78 Resp: 108088





#34

Trichloroethene

Concen: 287.693 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

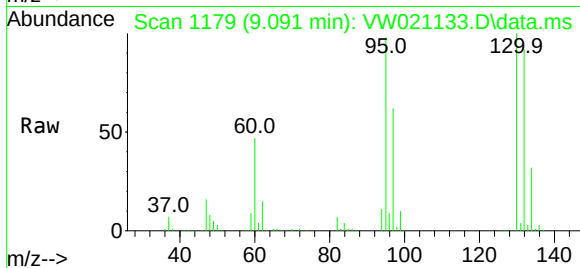
Lab File: VW021133.D

Acq: 04 Dec 2021 21:16

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 291584

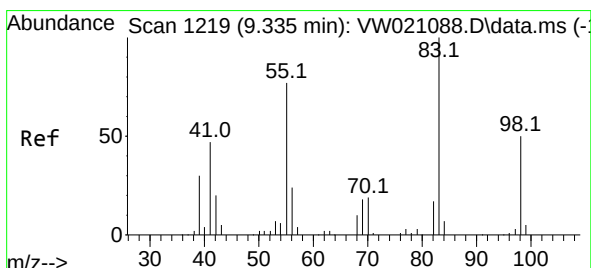
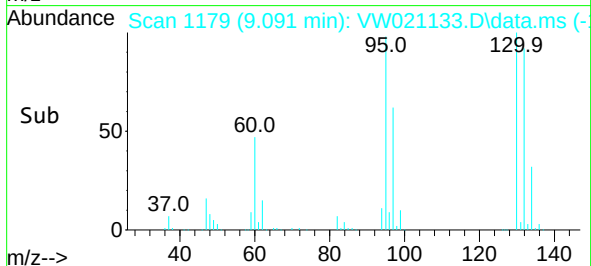
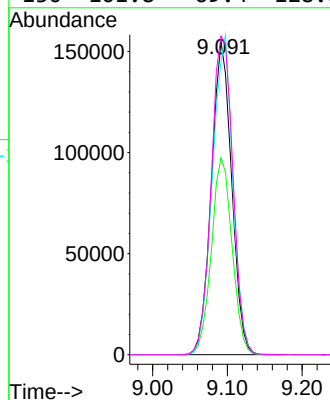
Ion Ratio Lower Upper

95 100

97 62.8 47.0 87.2

132 93.7 65.5 121.6

130 101.8 69.4 128.8



#35

Methylcyclohexane

Concen: 0.644 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021133.D

Acq: 04 Dec 2021 21:16

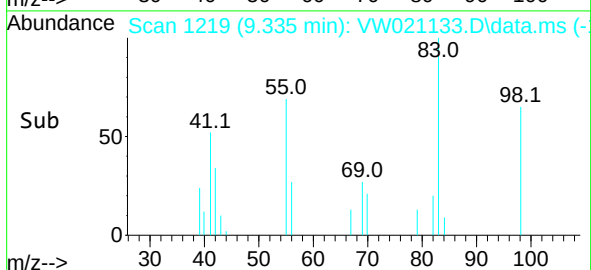
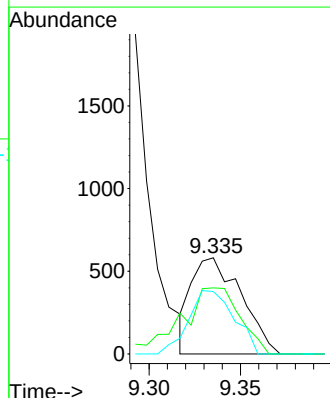
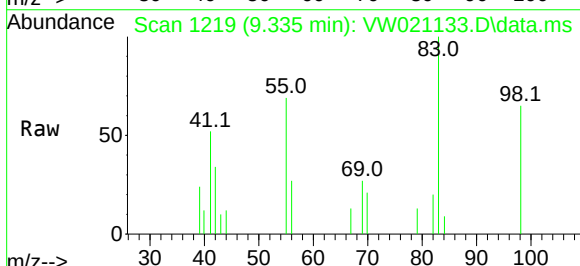
Tgt Ion: 83 Resp: 1099

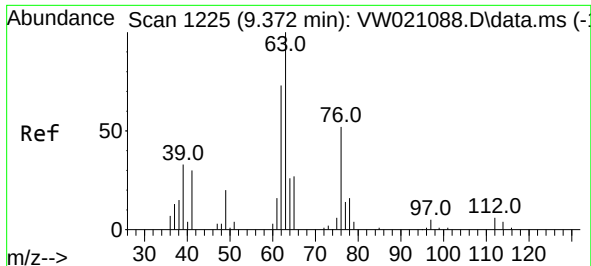
Ion Ratio Lower Upper

83 100

55 78.9 70.8 106.2

98 60.3 37.7 56.5#





#37

1,2-Dichloropropane

Concen: 5.823 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.098 min

Lab File: VW021133.D

Acq: 04 Dec 2021 21:16

Instrument :

MSVOA_W

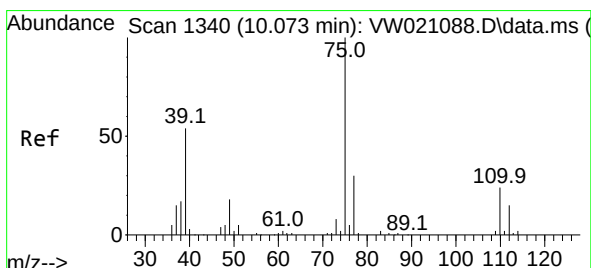
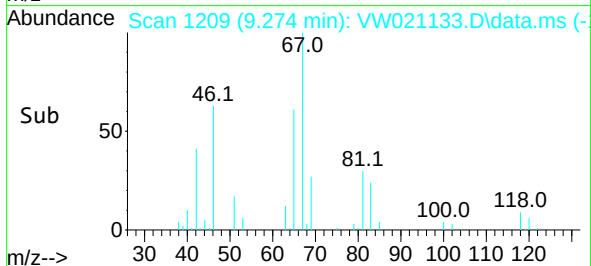
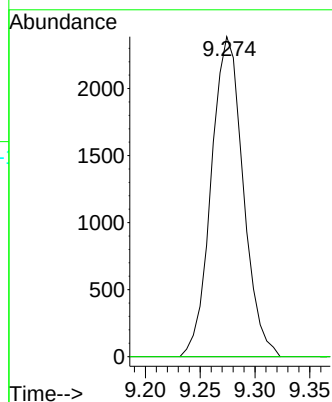
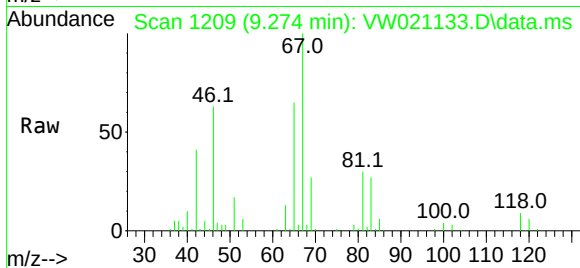
ClientSampleId :

Tgt Ion: 63 Resp: 4835

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.987 ug/L

RT: 10.036 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021133.D

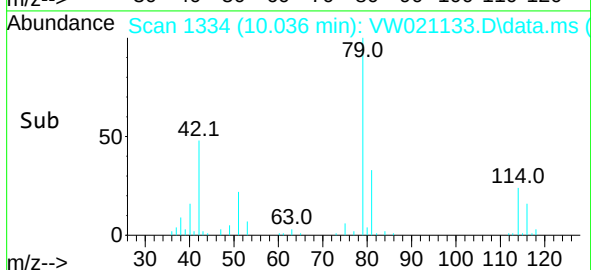
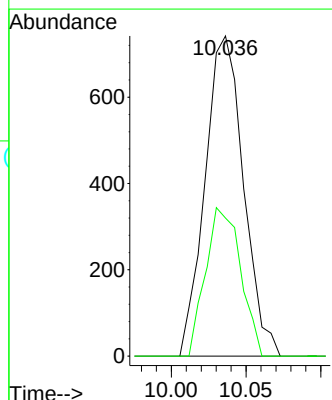
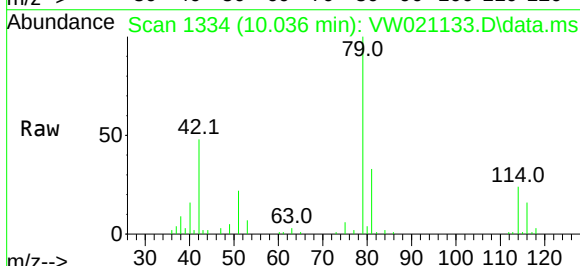
Acq: 04 Dec 2021 21:16

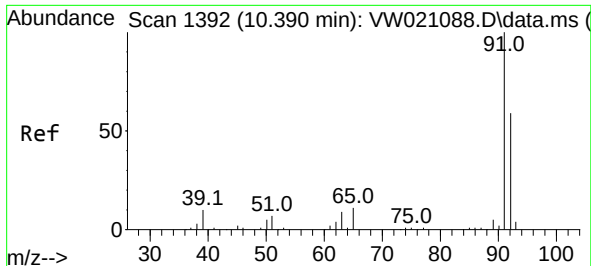
Tgt Ion: 75 Resp: 1326

Ion Ratio Lower Upper

75 100

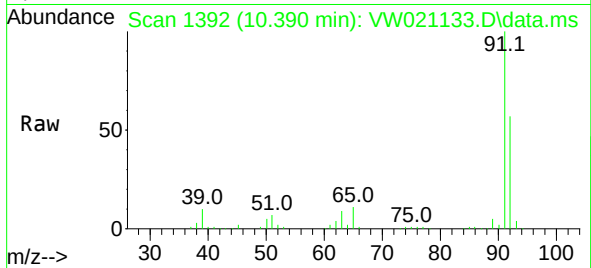
77 43.1 21.8 40.6#



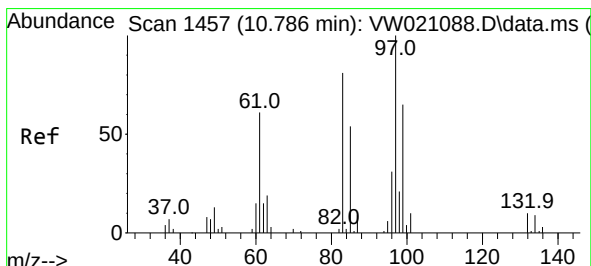
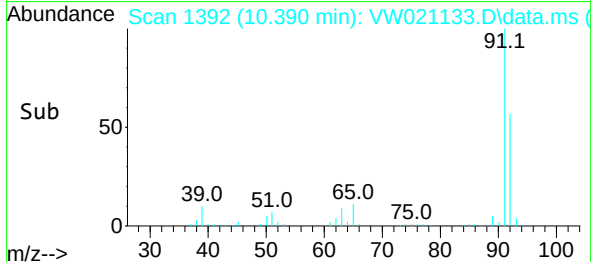
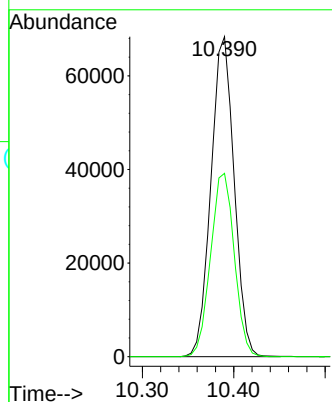


#42
Toluene
Concen: 28.726 ug/L
RT: 10.390 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

Instrument :
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ClientSampleId :

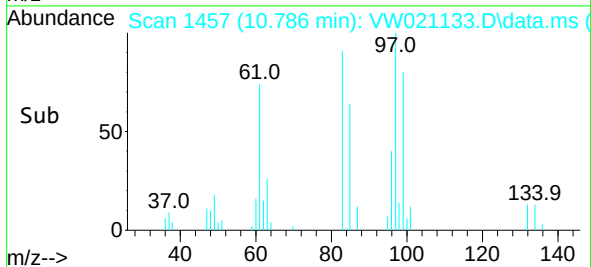
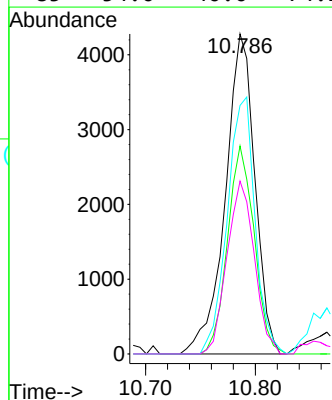
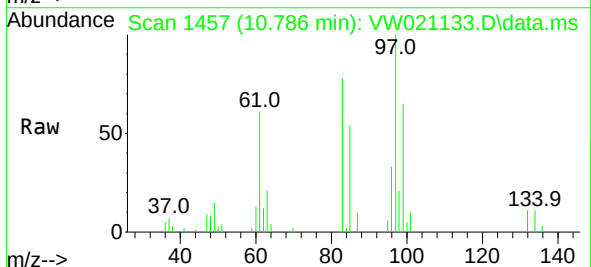


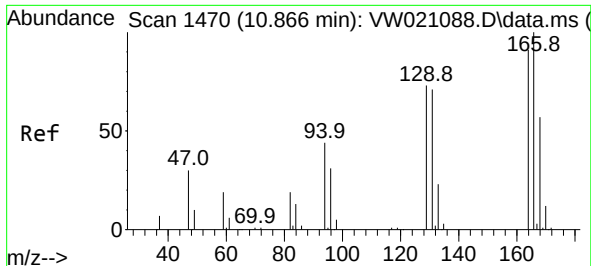
Tgt Ion: 91 Resp: 120537
Ion Ratio Lower Upper
91 100
92 57.3 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 11.528 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

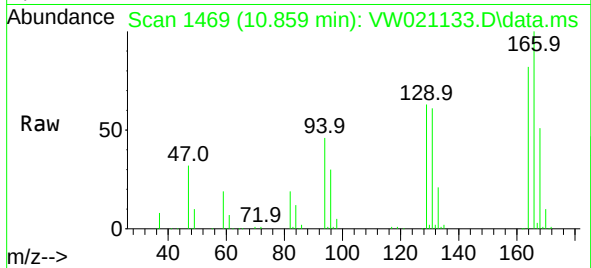
Tgt Ion: 97 Resp: 8025
Ion Ratio Lower Upper
97 100
99 65.0 43.0 79.8
83 77.7 62.6 116.3
85 54.0 40.0 74.2



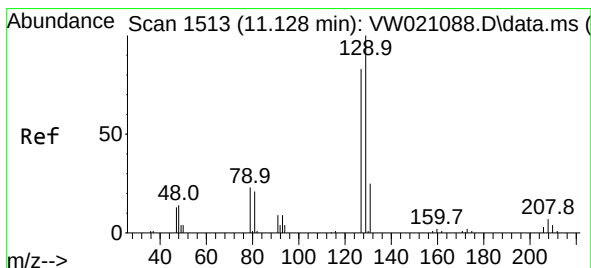
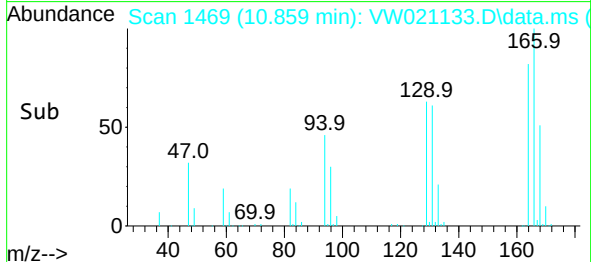
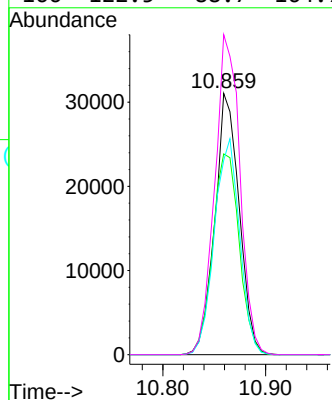


#46
Tetrachloroethene
Concen: 55.018 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

Instrument :
MSVOA_W
ClientSampleId :

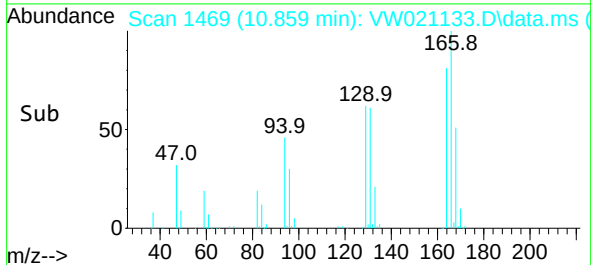
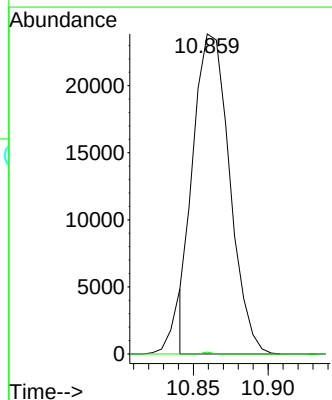
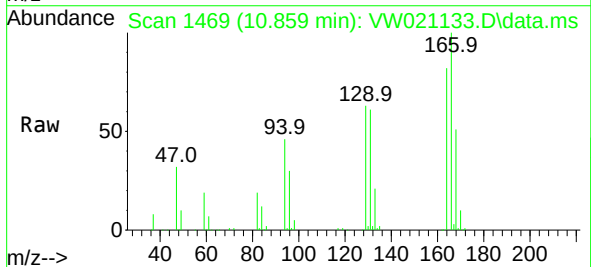


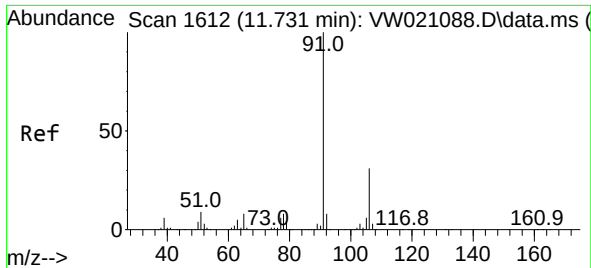
Tgt Ion:164 Resp: 51061
Ion Ratio Lower Upper
164 100
129 76.8 65.5 121.7
131 74.4 59.7 110.9
166 122.5 88.7 164.7



#49
Dibromochloromethane
Concen: 46.289 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.269 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

Tgt Ion:129 Resp: 40274
Ion Ratio Lower Upper
129 100
127 0.6 55.7 103.5#

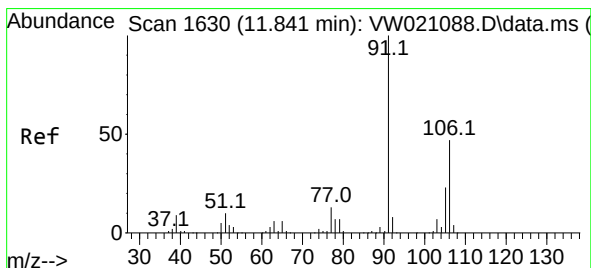
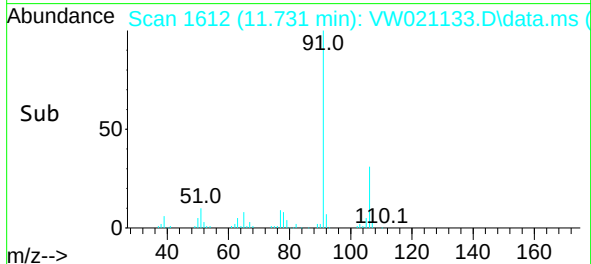
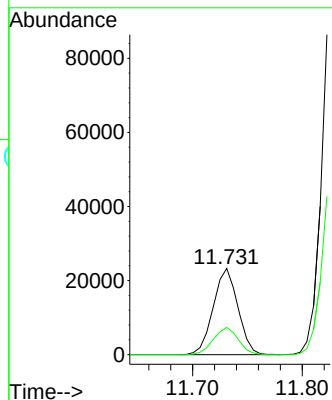
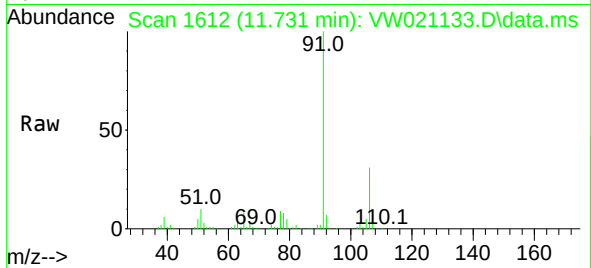




#52
Ethylbenzene
Concen: 7.708 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

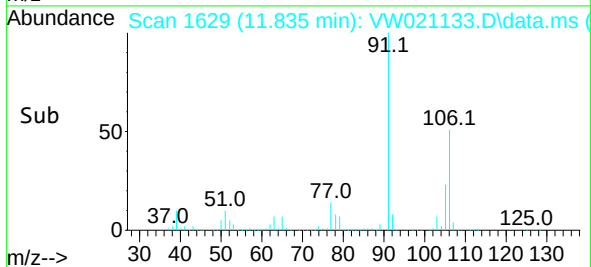
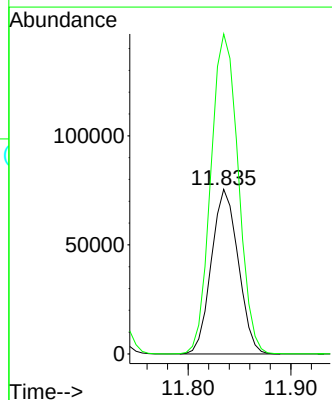
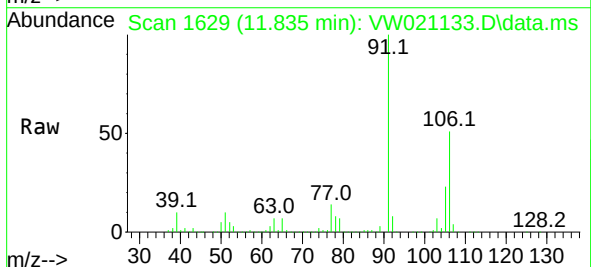
Instrument :
MSVOA_W
ClientSampleId :

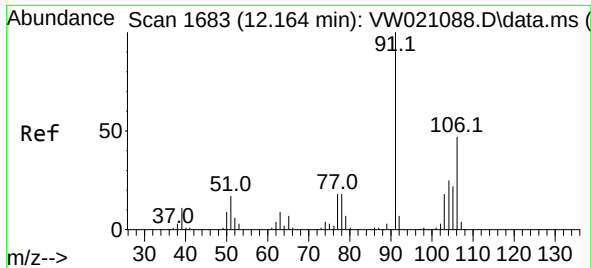
Tgt Ion: 91 Resp: 36411
Ion Ratio Lower Upper
91 100
106 31.5 21.5 39.9



#53
m,p-Xylene
Concen: 70.089 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

Tgt Ion: 106 Resp: 136966
Ion Ratio Lower Upper
106 100
91 194.4 149.9 278.3

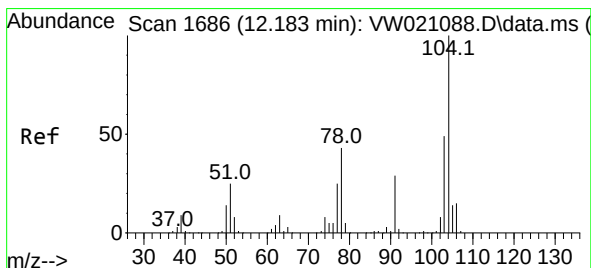
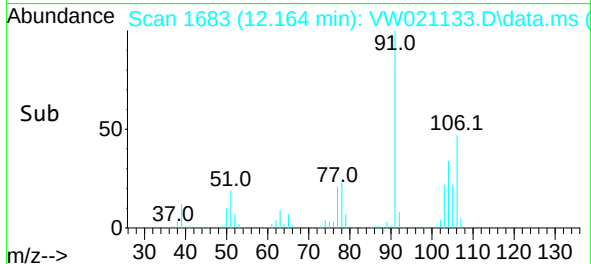
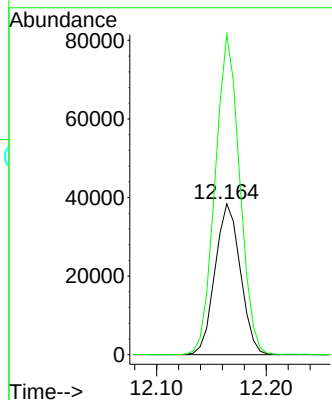
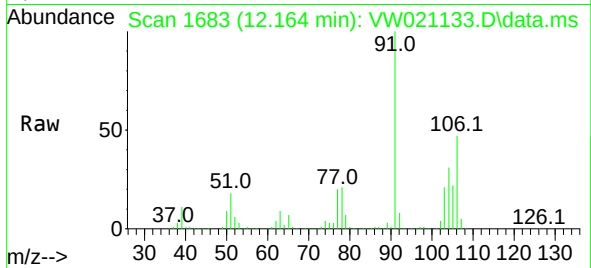




#54
o-Xylene
Concen: 33.463 ug/L
RT: 12.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

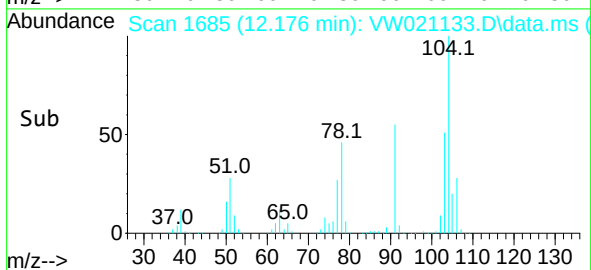
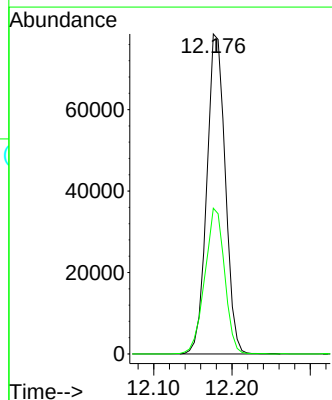
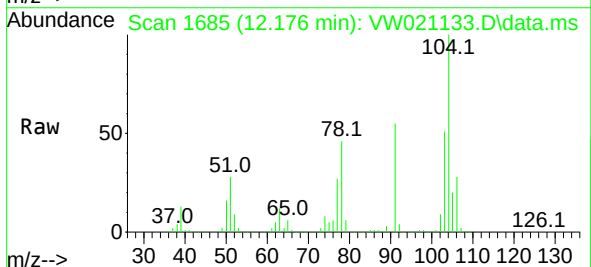
Instrument :
MSVOA_W
ClientSampleId :

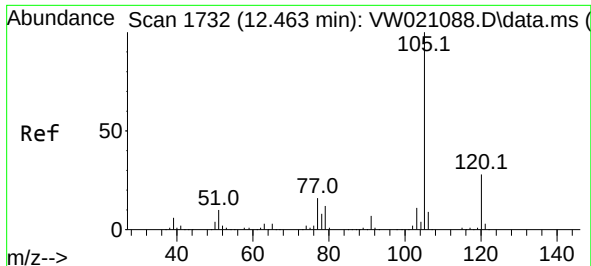
Tgt Ion:106 Resp: 61654
Ion Ratio Lower Upper
106 100
91 212.2 153.6 285.3



#55
Styrene
Concen: 40.905 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

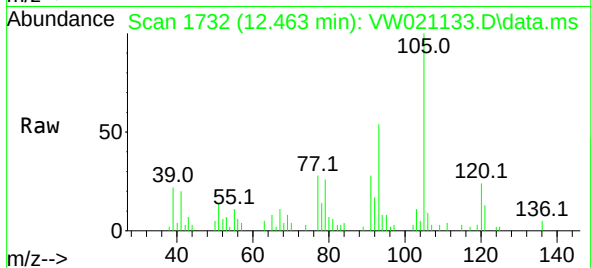
Tgt Ion:104 Resp: 128406
Ion Ratio Lower Upper
104 100
78 45.6 34.4 64.0



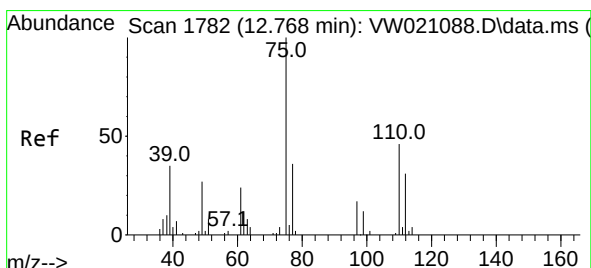
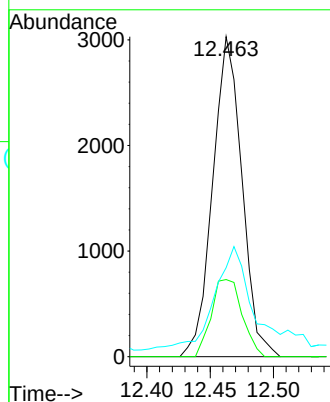
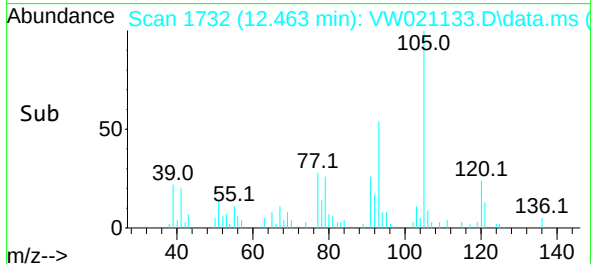


#60
Isopropylbenzene
Concen: 1.649 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

Instrument :
MSVOA_W
ClientSampleId :

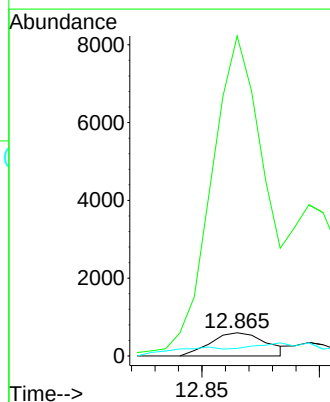
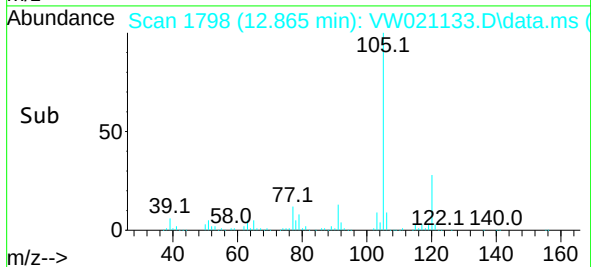
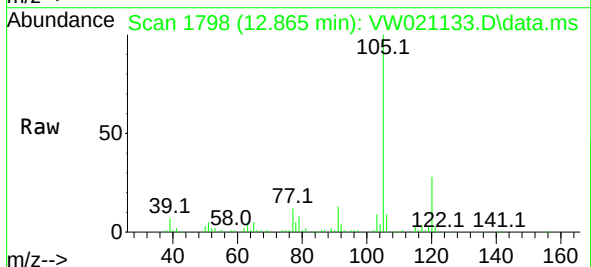


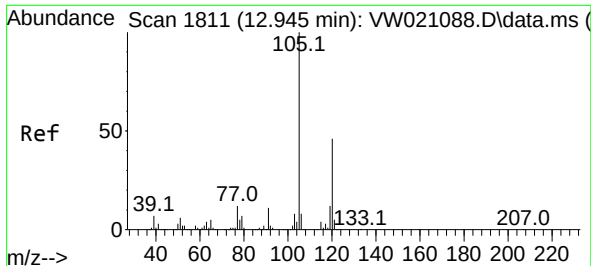
Tgt Ion:105 Resp: 4864
Ion Ratio Lower Upper
105 100
120 25.4 20.1 30.1
77 31.5 13.8 20.8#



#61
1,2,3-Trichloropropane
Concen: 2.771 ug/L
RT: 12.865 min Scan# 1798
Delta R.T. 0.097 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

Tgt Ion: 75 Resp: 985
Ion Ratio Lower Upper
75 100
77 1285.6 25.8 38.8#
110 36.9 29.0 43.4

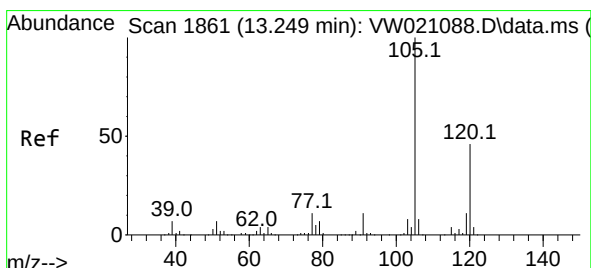
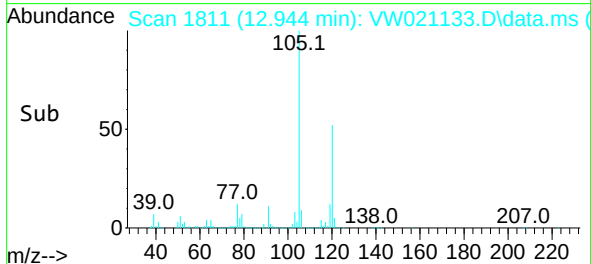
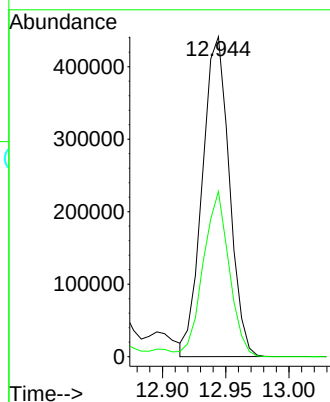
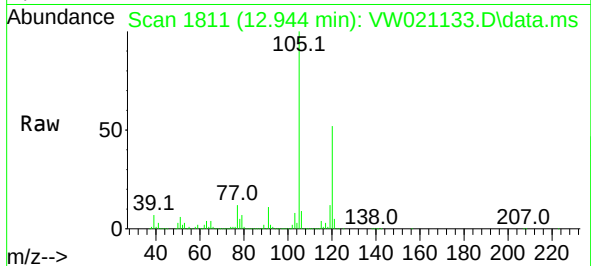




#62
 1,3,5-Trimethylbenzene
 Concen: 265.590 ug/L
 RT: 12.944 min Scan# 1811
 Delta R.T. -0.000 min
 Lab File: VW021133.D
 Acq: 04 Dec 2021 21:16

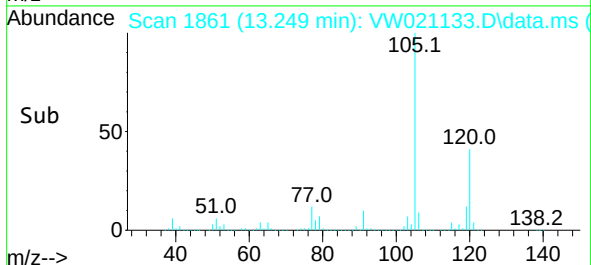
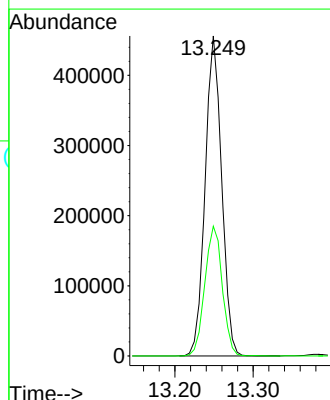
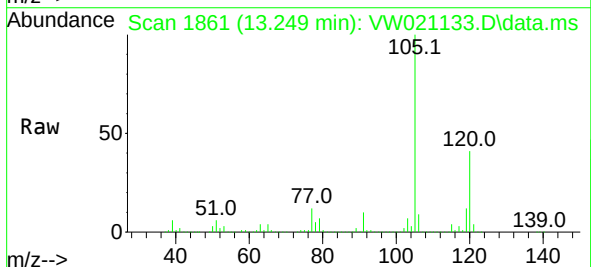
Instrument :
 MSVOA_W
 ClientSampleId :

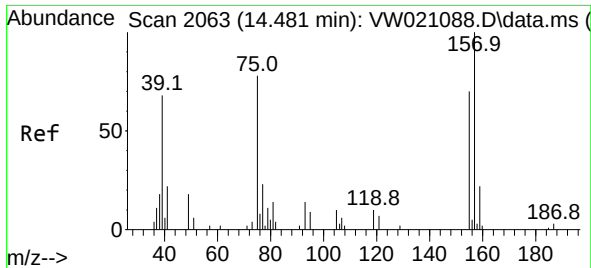
Tgt Ion:105 Resp: 655984
 Ion Ratio Lower Upper
 105 100
 120 49.8 37.4 56.2



#63
 1,2,4-Trimethylbenzene
 Concen: 267.857 ug/L
 RT: 13.249 min Scan# 1861
 Delta R.T. -0.000 min
 Lab File: VW021133.D
 Acq: 04 Dec 2021 21:16

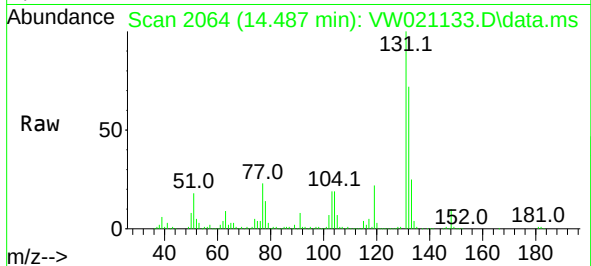
Tgt Ion:105 Resp: 665389
 Ion Ratio Lower Upper
 105 100
 120 42.9 35.0 52.6



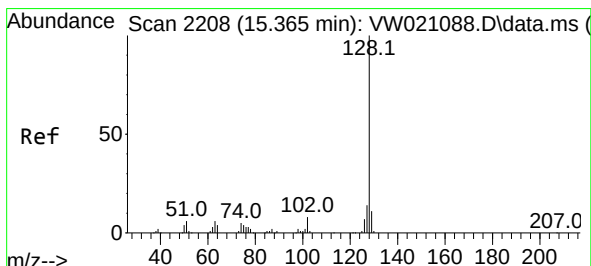
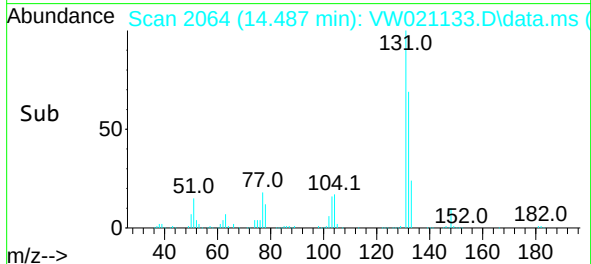
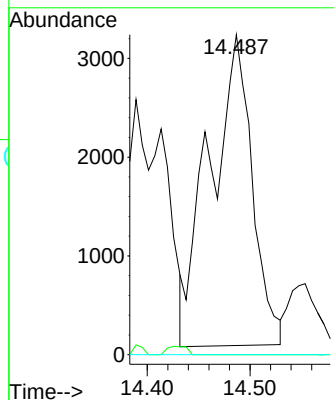


#68
1,2-Dibromo-3-chloropropane
Concen: 112.076 ug/L
RT: 14.487 min Scan# 2063
Delta R.T. 0.006 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 75 Resp: 8997
Ion Ratio Lower Upper
75 100
155 0.0 54.2 81.2#
157 0.0 69.4 104.2#



#71
Naphthalene
Concen: 3837.599 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW021133.D
Acq: 04 Dec 2021 21:16

Tgt Ion: 128 Resp: 5983156
Ion Ratio Lower Upper
128 100
127 13.9 10.7 16.1
129 11.4 8.6 12.8

