

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042822\
 Data File : VW022671.D
 Acq On : 28 Apr 2022 17:32
 Operator : SY/VA
 Sample : N2603-12
 Misc : 6.67g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW493

Quant Time: Apr 29 01:12:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 29 01:08:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	0.000	114	0	0.000	ug/L	-8.84
28) Chlorobenzene-d5	11.646	117	43	25.000	ug/L	# 0.02
58) 1,4-Dichlorobenzene-d4	13.511	152	19	25.000	ug/L	#-0.04
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	70	0.000	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.000%#
7) Chloroethane-d5	2.952	69	66	0.000	ug/L	0.07
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.000%#
11) 1,1-Dichloroethene-d2	4.013	63	23	0.000	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.000%#
21) 2-Butanone-d5	7.061	46	42	0.000	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.000%#
24) Chloroform-d	7.641	84	49	0.000	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	0.000%#
26) 1,2-Dichloroethane-d4	8.311	65	40	0.000	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.000%#
32) Benzene-d6	8.061	84	68	25.884	ug/L	-0.21
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.520%
36) 1,2-Dichloropropane-d6	9.268	67	48	63.136	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	252.560%#
41) Toluene-d8	0.000	98	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 130	Recovery	=	0.000%#
43) trans-1,3-Dichloroprop...	10.634	79	68	189.520	ug/L	0.05
Spiked Amount	25.000	Range	30 - 135	Recovery	=	758.080%#
47) 2-Hexanone-d5	10.939	63	53	374.694	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	749.380%#
56) 1,1,2,2-Tetrachloroeth...	12.469	84	45	69.612	ug/L	-0.22
Spiked Amount	25.000	Range	45 - 120	Recovery	=	278.440%#
66) 1,2-Dichlorobenzene-d4	13.511	152	19	28.233	ug/L	-0.34
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.920%
Target Compounds						
					Qvalue	
29) Cyclohexane	7.921	56	56	45.503	ug/L #	14
30) 1,1,1-Trichloroethane	7.622	97	56	46.948	ug/L #	1
33) Benzene	8.305	78	28	9.591	ug/L	100
34) Trichloroethene	9.079	95	42	53.730	ug/L #	5
35) Methylcyclohexane	9.213	83	43	30.661	ug/L #	10
37) 1,2-Dichloropropane	9.360	63	113	161.569	ug/L #	86
38) Bromodichloromethane	9.665	83	75	74.570	ug/L #	24
39) cis-1,3-Dichloropropene	10.061	75	44	39.647	ug/L #	42
40) 4-Methyl-2-pentanone	10.213	43	57	133.545	ug/L #	46
42) Toluene	10.445	91	74	22.120	ug/L #	66
44) trans-1,3-Dichloropropene	10.579	75	51	51.322	ug/L #	44
45) 1,1,2-Trichloroethane	10.677	97	53	99.293	ug/L #	14
46) Tetrachloroethene	11.073	164	47	81.797	ug/L #	1
48) 2-Hexanone	10.969	43	24	79.703	ug/L #	40
51) Chlorobenzene	11.536	112	37	18.099	ug/L #	29
52) Ethylbenzene	11.914	91	76	20.268	ug/L #	45
57) 1,1,2,2-Tetrachloroethane	12.591	83	47	71.740	ug/L #	25
60) Isopropylbenzene	12.957	105	21	6.654	ug/L #	1
61) 1,2,3-Trichloropropane	12.792	75	52	128.658	ug/L #	1

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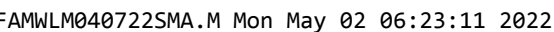
Instrument :
MSVOA_W
ClientSampleId :
EW493

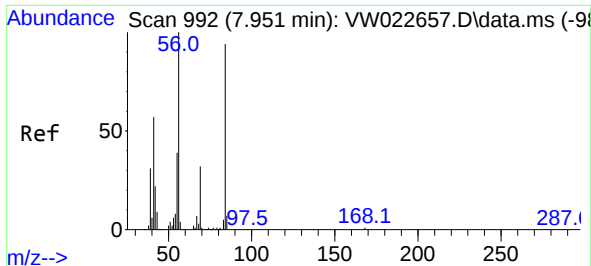
Quant Time: Apr 29 01:12:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Apr 29 01:08:57 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	12.957	105	21	12.098	ug/L #	30
63) 1,2,4-Trimethylbenzene	13.280	105	42	15.912	ug/L #	33
71) Naphthalene	15.474	128	41	27.695	ug/L #	1

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

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#29

Cyclohexane

Concen: 45.503 ug/L

RT: 7.921 min Scan# 91

Delta R.T. -0.031 min

Lab File: VW022671.D

Acq: 28 Apr 2022 17:32

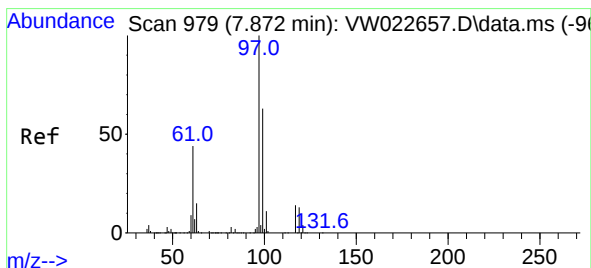
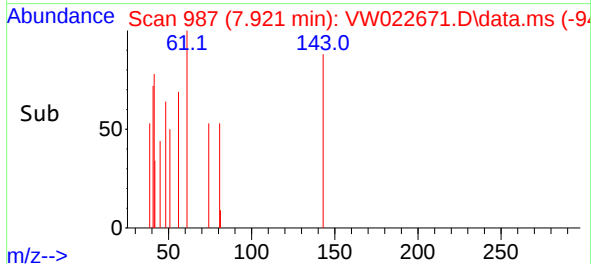
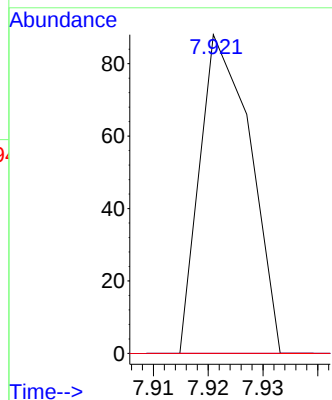
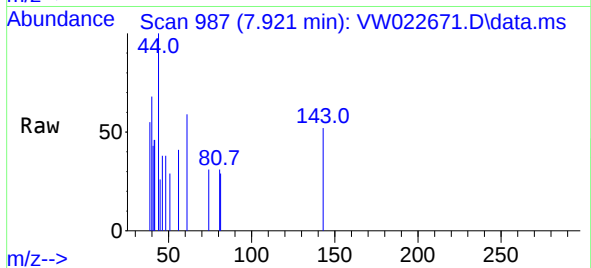
Instrument :

MSVOA_W

ClientSampleId :

EW493

Tgt Ion:	56	Resp:	56
Ion	Ratio	Lower	Upper
56	100		
69	0.0	24.4	36.6#
84	0.0	72.6	108.8#



#30

1,1,1-Trichloroethane

Concen: 46.948 ug/L

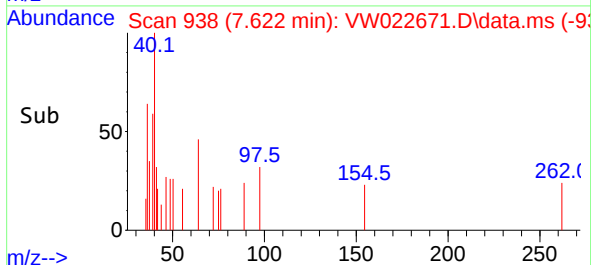
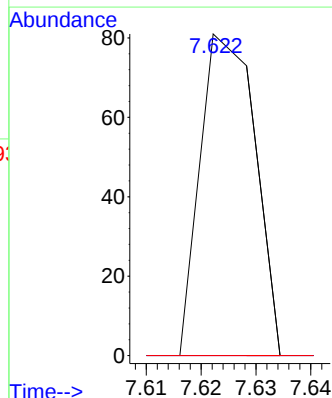
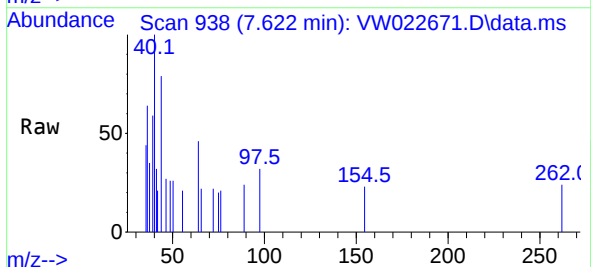
RT: 7.622 min Scan# 938

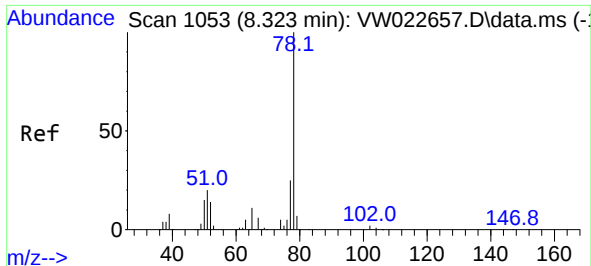
Delta R.T. -0.250 min

Lab File: VW022671.D

Acq: 28 Apr 2022 17:32

Tgt Ion:	97	Resp:	56
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	207.1	38.7	58.1#





#33

Benzene

Concen: 9.591 ug/L

RT: 8.305 min Scan# 1105

Delta R.T. -0.018 min

Lab File: VW022671.D

Acq: 28 Apr 2022 17:32

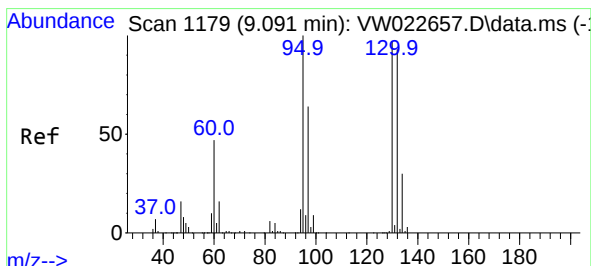
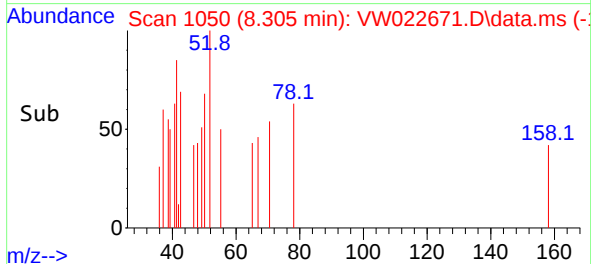
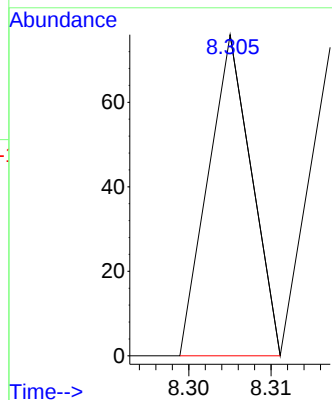
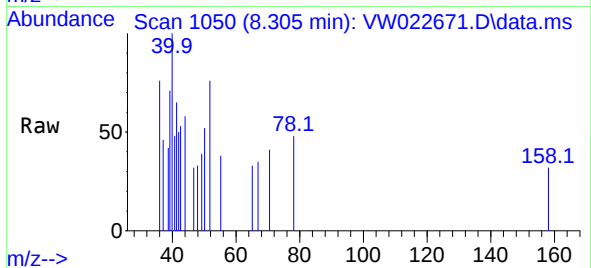
Instrument :

MSVOA_W

ClientSampleId :

EW493

Tgt Ion: 78 Resp: 28



#34

Trichloroethene

Concen: 53.730 ug/L

RT: 9.079 min Scan# 1177

Delta R.T. -0.012 min

Lab File: VW022671.D

Acq: 28 Apr 2022 17:32

Tgt Ion: 95 Resp: 42

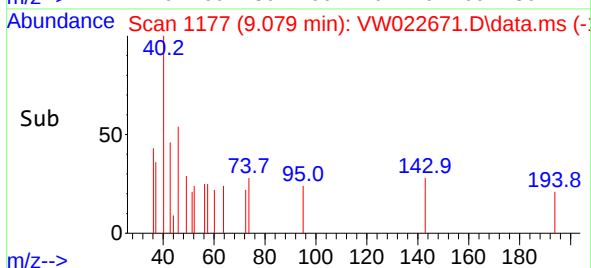
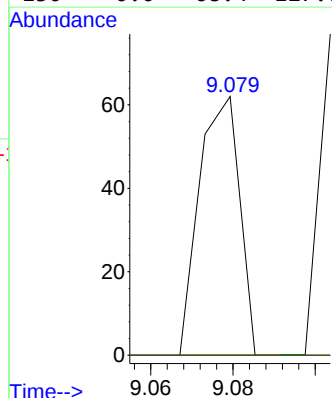
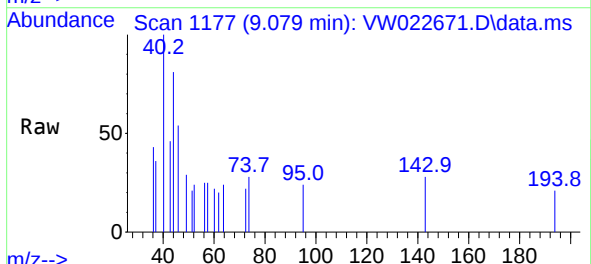
Ion Ratio Lower Upper

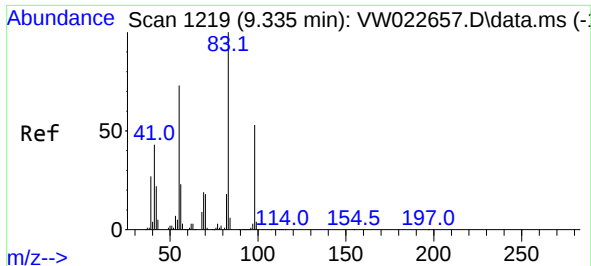
95 100

97 0.0 46.4 86.2#

132 0.0 67.4 125.2#

130 0.0 68.4 127.0#





#35

Methylcyclohexane

Concen: 30.661 ug/L

RT: 9.213 min Scan# 1199

Delta R.T. -0.122 min

Lab File: VW022671.D

Acq: 28 Apr 2022 17:32

Instrument :

MSVOA_W

ClientSampleId :

EW493

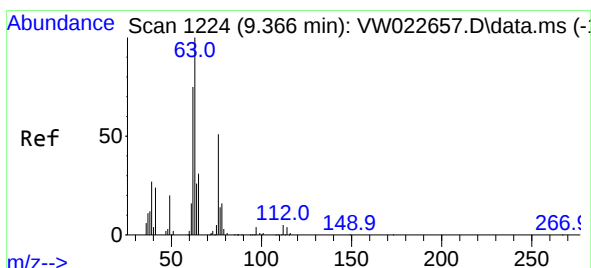
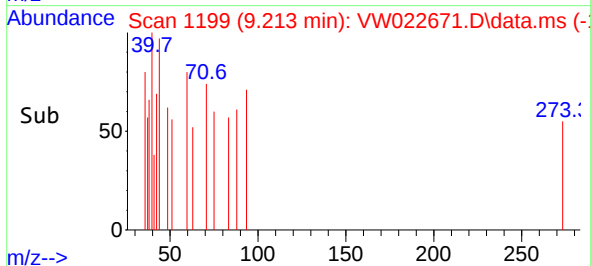
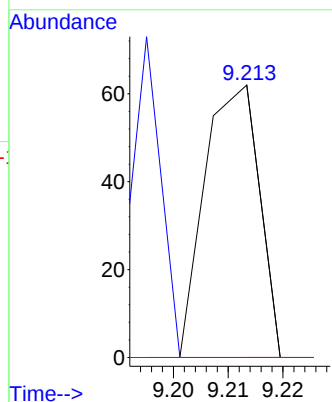
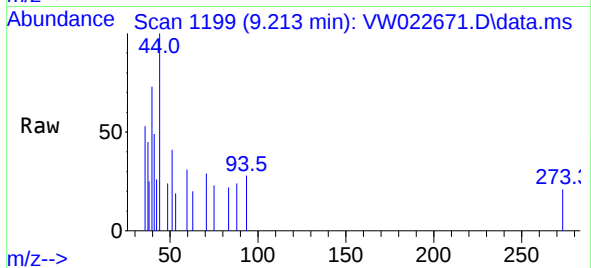
Tgt Ion: 83 Resp: 43

Ion Ratio Lower Upper

83 100

55 127.9 61.0 91.6#

98 141.9 39.2 58.8#



#37

1,2-Dichloropropane

Concen: 161.569 ug/L

RT: 9.360 min Scan# 1223

Delta R.T. -0.006 min

Lab File: VW022671.D

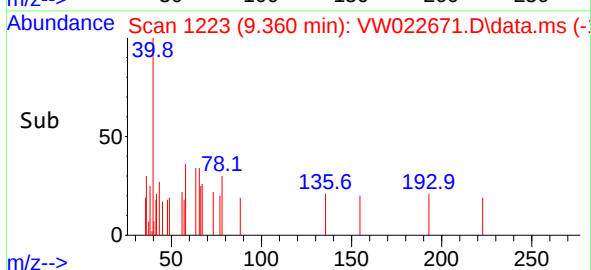
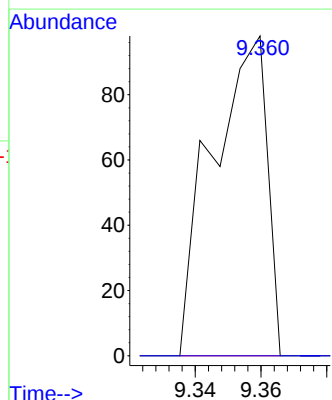
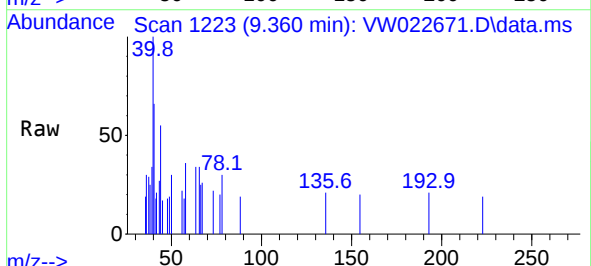
Acq: 28 Apr 2022 17:32

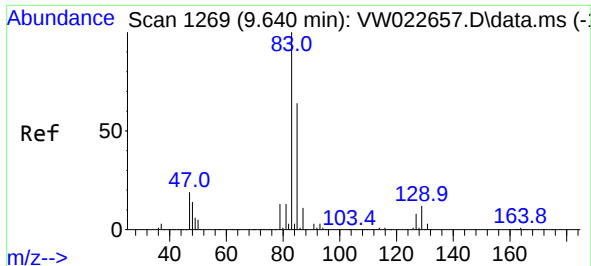
Tgt Ion: 63 Resp: 113

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#

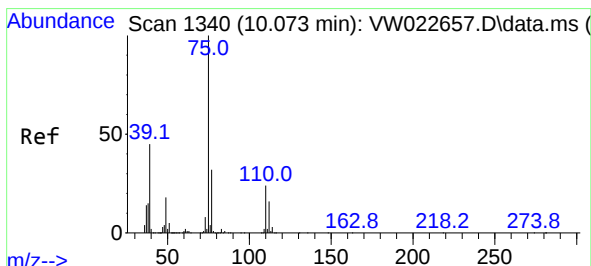
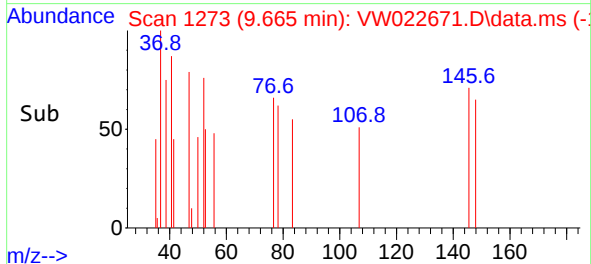
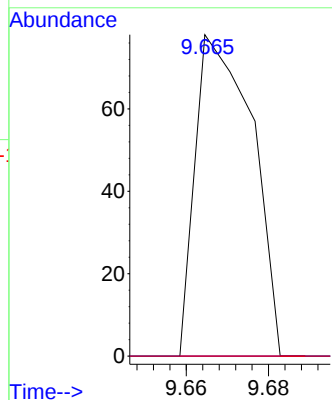
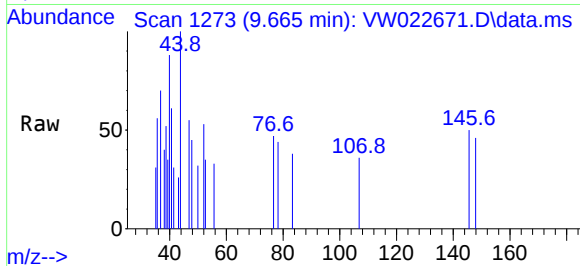




#38
Bromodichloromethane
Concen: 74.570 ug/L
RT: 9.665 min Scan# 11
Delta R.T. 0.024 min
Lab File: VW022671.D
Acq: 28 Apr 2022 17:32

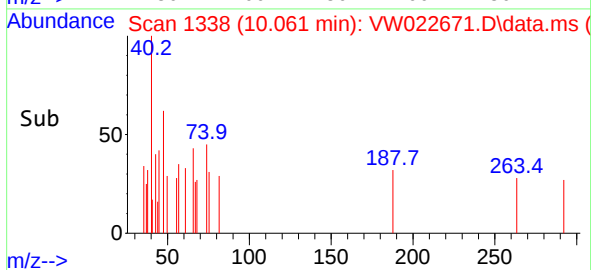
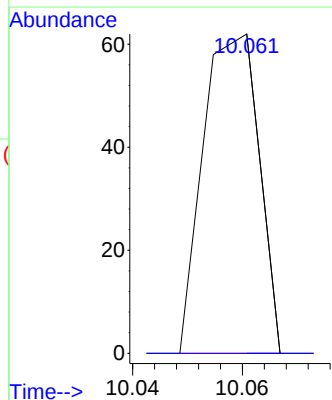
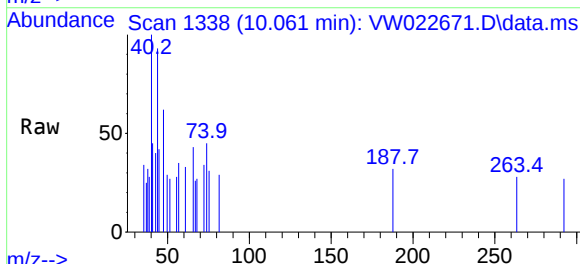
Instrument :
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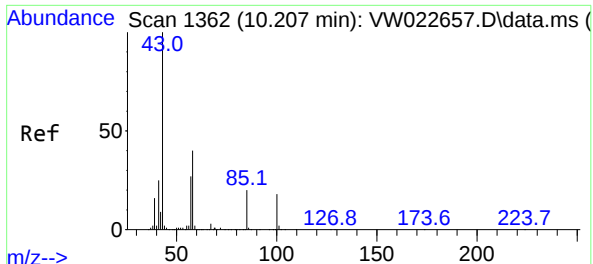
Tgt Ion: 83 Resp: 75
Ion Ratio Lower Upper
83 100
85 0.0 45.2 84.0#
127 0.0 6.0 9.0#



#39
cis-1,3-Dichloropropene
Concen: 39.647 ug/L
RT: 10.061 min Scan# 1338
Delta R.T. -0.012 min
Lab File: VW022671.D
Acq: 28 Apr 2022 17:32

Tgt Ion: 75 Resp: 44
Ion Ratio Lower Upper
75 100
77 0.0 22.6 42.0#





#40

4-Methyl-2-pentanone

Concen: 133.545 ug/L

RT: 10.213 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW022671.D

Acq: 28 Apr 2022 17:32

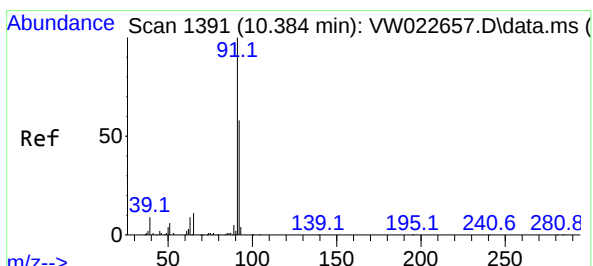
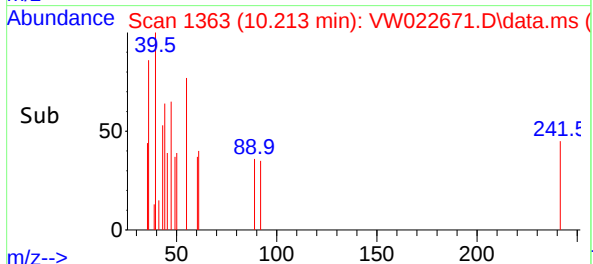
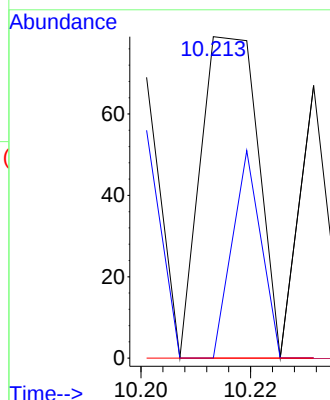
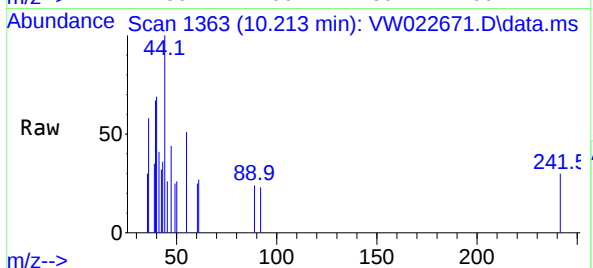
Instrument :

MSVOA_W

ClientSampleId :

EW493

Tgt Ion: 43	Resp: 57
Ion Ratio	Lower Upper
43	100
58	0.0 29.3 43.9#
100	0.0 12.2 18.4#



#42

Toluene

Concen: 22.120 ug/L

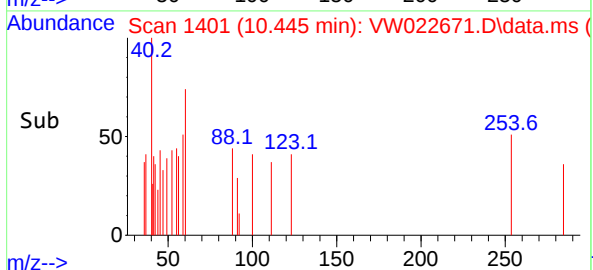
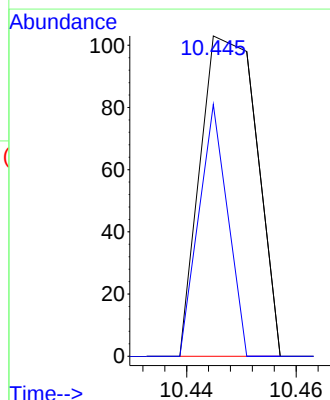
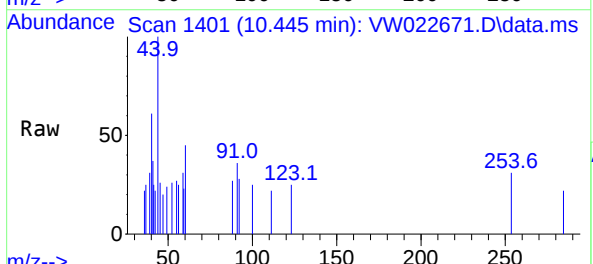
RT: 10.445 min Scan# 1401

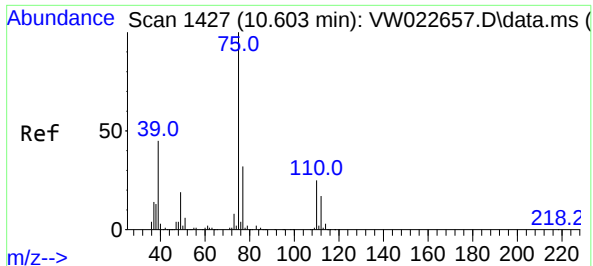
Delta R.T. 0.061 min

Lab File: VW022671.D

Acq: 28 Apr 2022 17:32

Tgt Ion: 91	Resp: 74
Ion Ratio	Lower Upper
91	100
92	78.6 38.0 70.6#

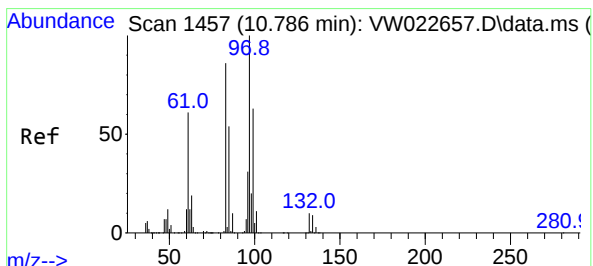
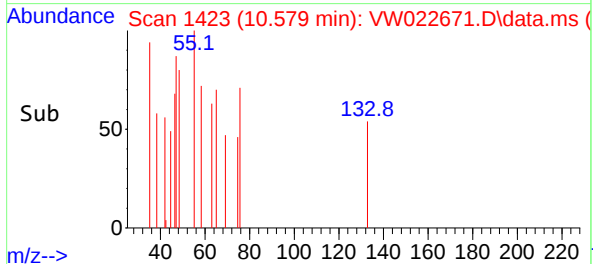
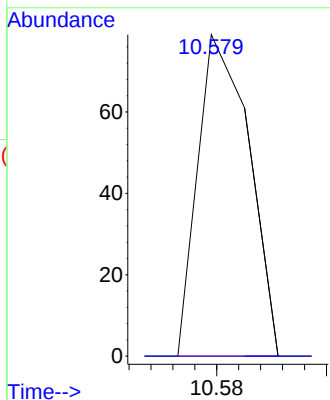
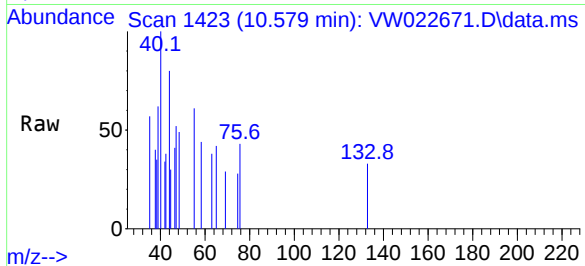




#44
trans-1,3-Dichloropropene
Concen: 51.322 ug/L
RT: 10.579 min Scan# 1423
Delta R.T. -0.024 min
Lab File: VW022671.D
Acq: 28 Apr 2022 17:32

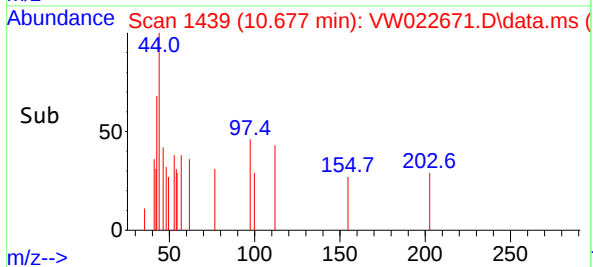
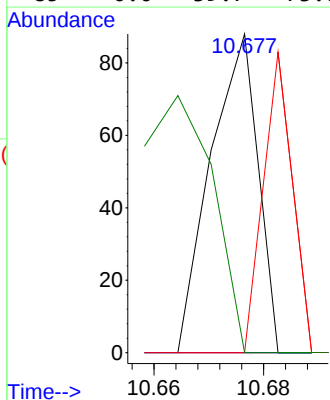
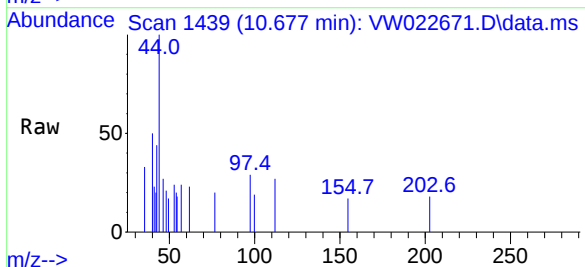
Instrument :
MSVOA_W
ClientSampleId :
EW493

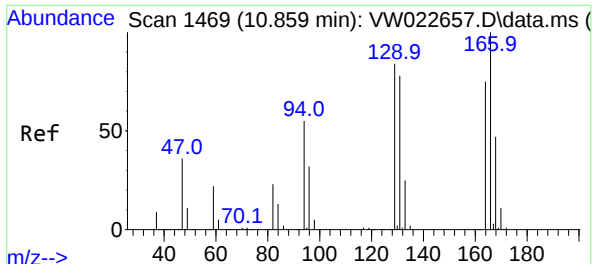
Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 0.0 21.3 39.6#



#45
1,1,2-Trichloroethane
Concen: 99.293 ug/L
RT: 10.677 min Scan# 1439
Delta R.T. -0.110 min
Lab File: VW022671.D
Acq: 28 Apr 2022 17:32

Tgt Ion: 97 Resp: 53
Ion Ratio Lower Upper
97 100
99 0.0 46.0 85.4#
83 0.0 60.6 112.6#
85 0.0 39.7 73.7#



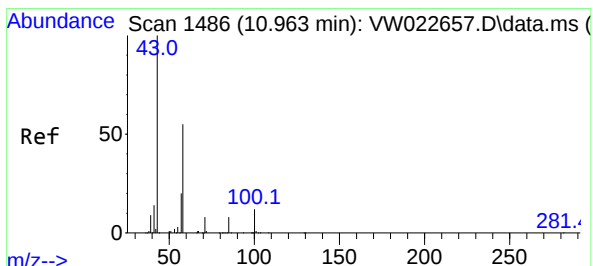
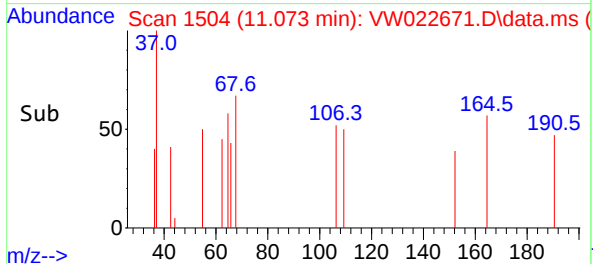
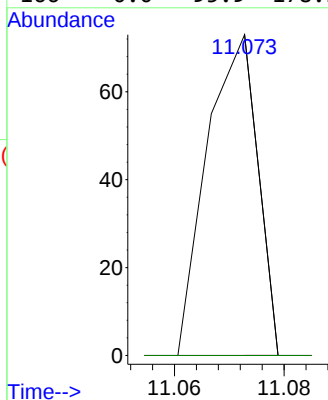
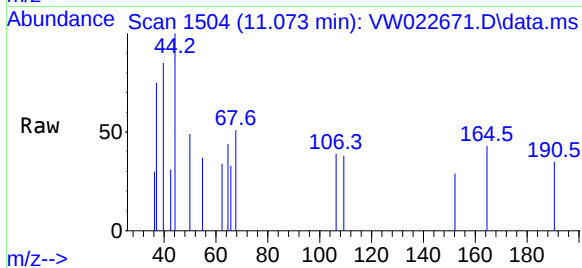


#46
Tetrachloroethene
Concen: 81.797 ug/L
RT: 11.073 min Scan# 11
Delta R.T. 0.213 min
Lab File: VW022671.D
Acq: 28 Apr 2022 17:32

Instrument :
MSVOA_W
ClientSampleId :
EW493

Tgt Ion:164 Resp: 47

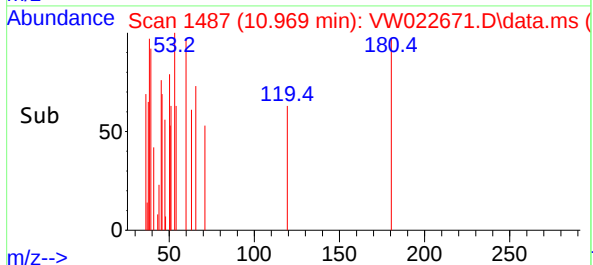
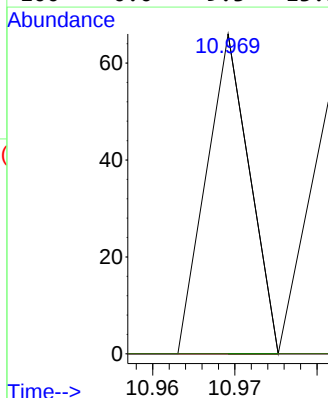
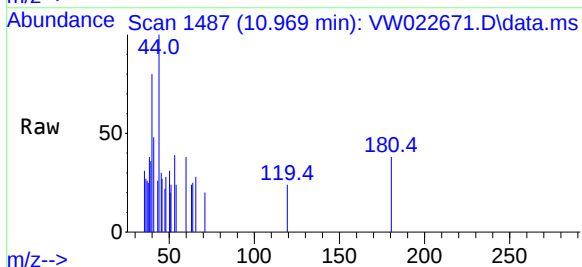
Ion	Ratio	Lower	Upper
164	100		
129	0.0	74.1	137.7#
131	0.0	71.4	132.6#
166	0.0	95.9	178.1#

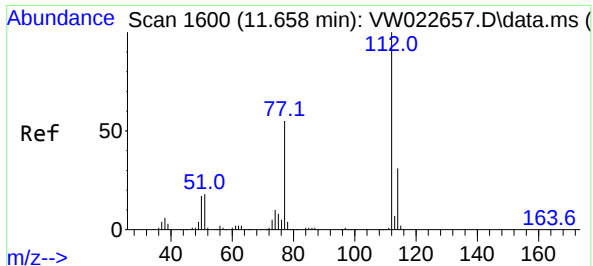


#48
2-Hexanone
Concen: 79.703 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VW022671.D
Acq: 28 Apr 2022 17:32

Tgt Ion: 43 Resp: 24

Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.6	62.4#
57	0.0	14.5	21.7#
100	0.0	9.3	13.9#

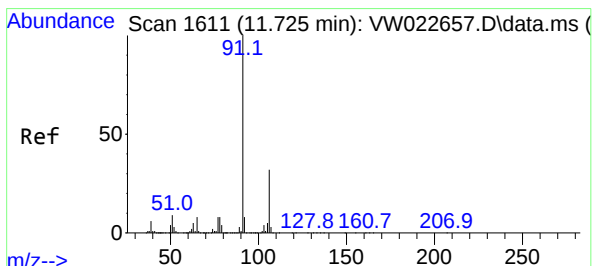
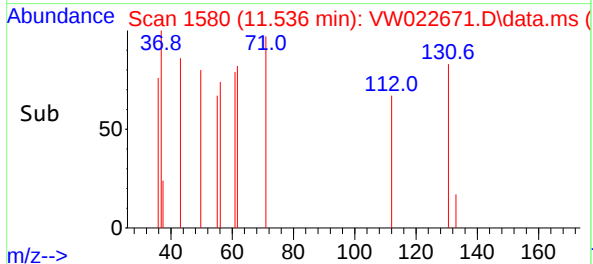
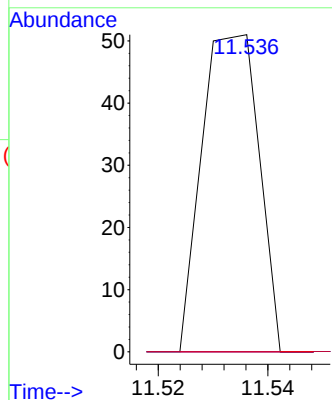
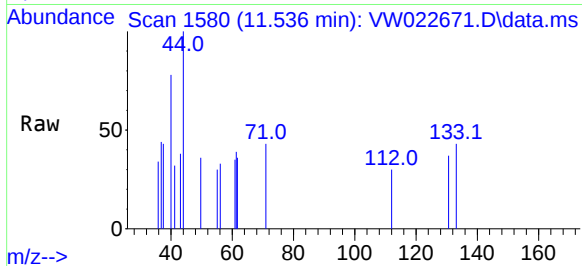




#51
Chlorobenzene
Concen: 18.099 ug/L
RT: 11.536 min Scan# 11
Delta R.T. -0.122 min
Lab File: VW022671.D
Acq: 28 Apr 2022 17:32

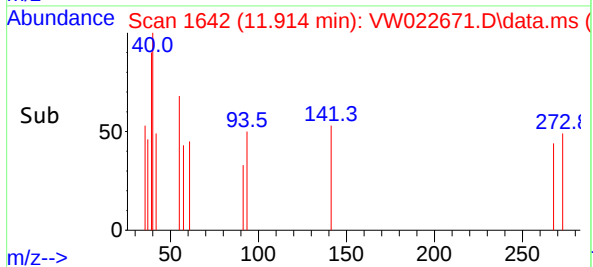
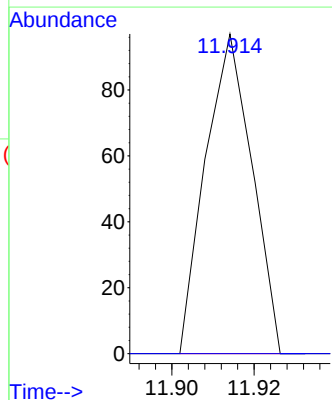
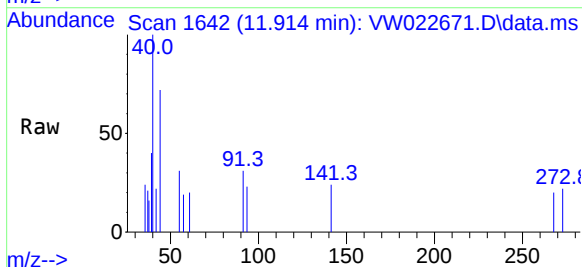
Instrument :
MSVOA_W
ClientSampleId :
EW493

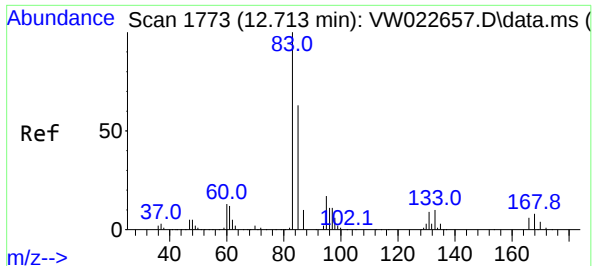
Tgt Ion:112 Resp: 37
Ion Ratio Lower Upper
112 100
114 0.0 20.5 38.1#
77 0.0 48.1 72.1#



#52
Ethylbenzene
Concen: 20.268 ug/L
RT: 11.914 min Scan# 1642
Delta R.T. 0.189 min
Lab File: VW022671.D
Acq: 28 Apr 2022 17:32

Tgt Ion: 91 Resp: 76
Ion Ratio Lower Upper
91 100
106 0.0 20.5 38.1#

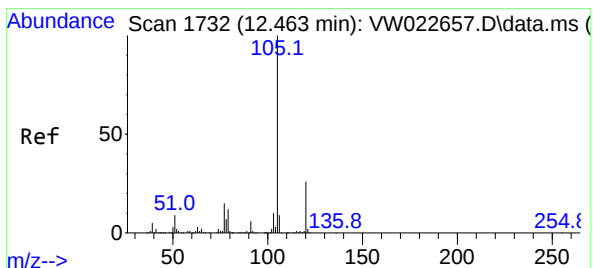
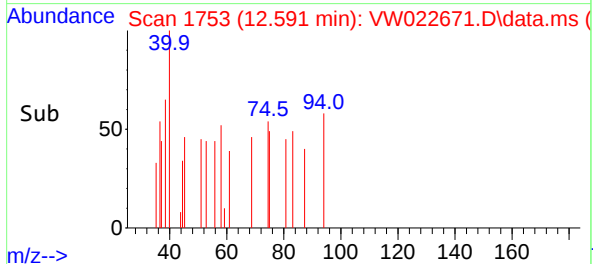
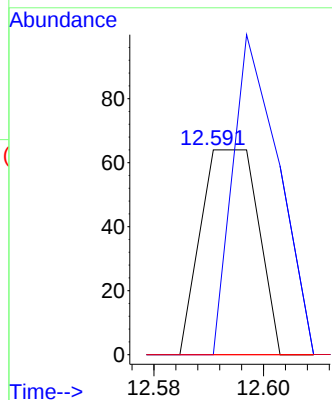
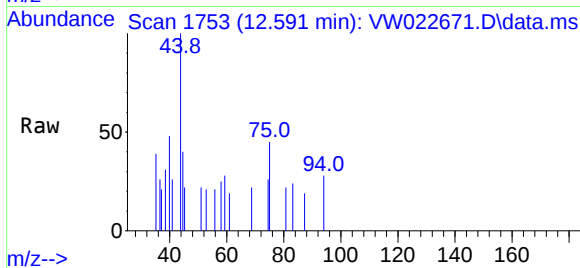




#57
1,1,2,2-Tetrachloroethane
Concen: 71.740 ug/L
RT: 12.591 min Scan# 11
Delta R.T. -0.122 min
Lab File: VW022671.D
Acq: 28 Apr 2022 17:32

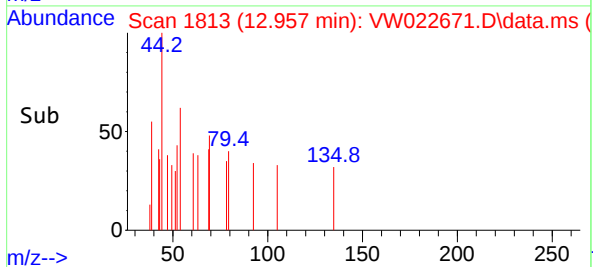
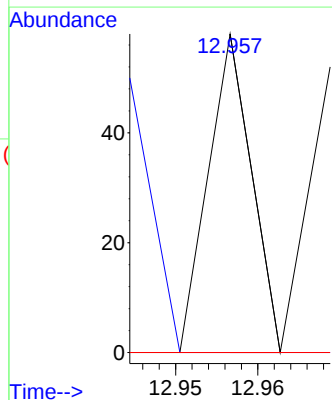
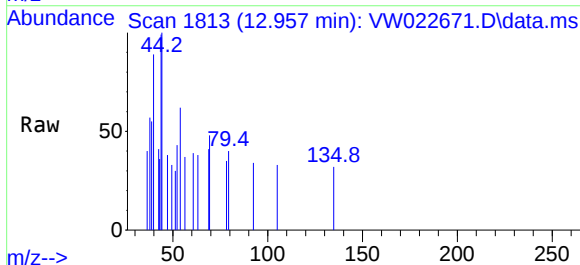
Instrument :
MSVOA_W
ClientSampleId :
EW493

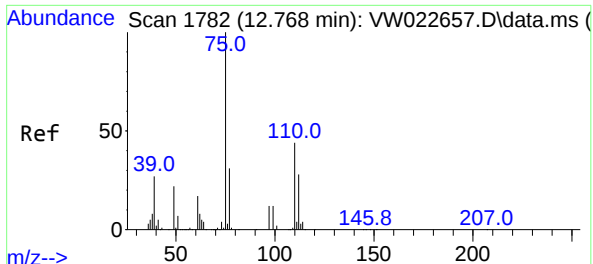
Tgt Ion: 83	Resp:	47
Ion	Ratio	Lower Upper
83	100	
85	0.0	45.5 84.5#
131	0.0	7.8 11.8#



#60
Isopropylbenzene
Concen: 6.654 ug/L
RT: 12.957 min Scan# 1813
Delta R.T. 0.494 min
Lab File: VW022671.D
Acq: 28 Apr 2022 17:32

Tgt Ion:105	Resp:	21
Ion	Ratio	Lower Upper
105	100	
120	0.0	20.9 31.3#
77	309.5	13.7 20.5#





#61

1,2,3-Trichloropropane

Concen: 128.658 ug/L

RT: 12.792 min Scan# 11

Delta R.T. 0.024 min

Lab File: VW022671.D

Acq: 28 Apr 2022 17:32

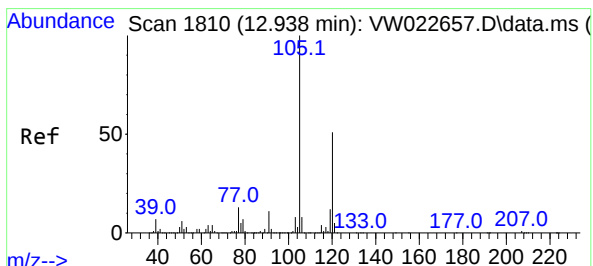
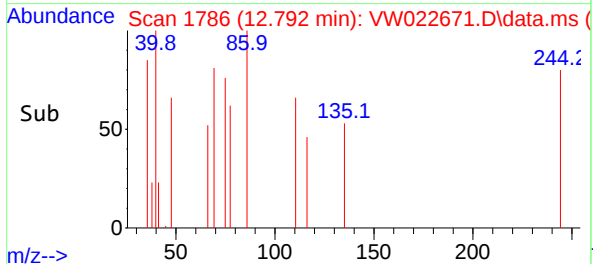
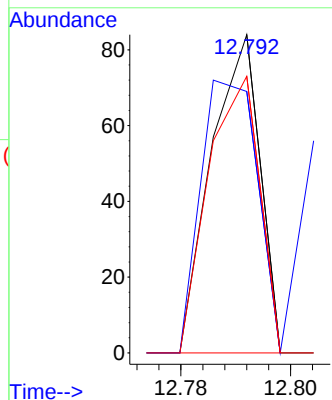
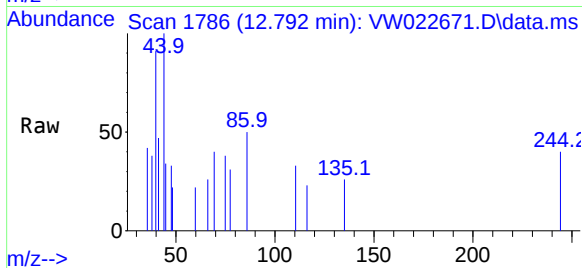
Instrument :

MSVOA_W

ClientSampleId :

EW493

Tgt Ion: 75	Resp:	52
Ion Ratio	Lower	Upper
75	100	
77	100.0	25.7 38.5#
110	90.4	31.8 47.6#



#62

1,3,5-Trimethylbenzene

Concen: 12.098 ug/L

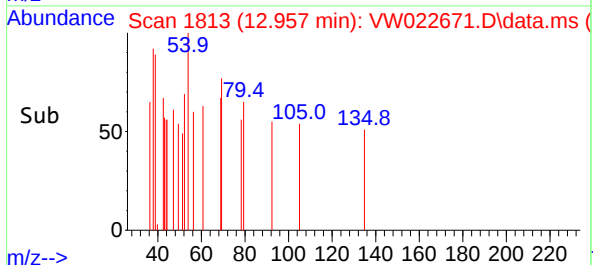
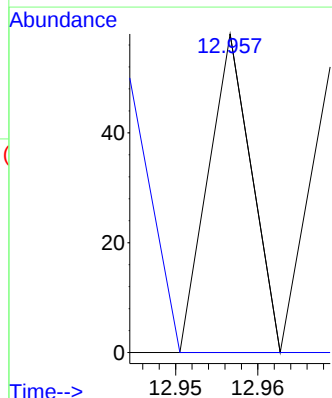
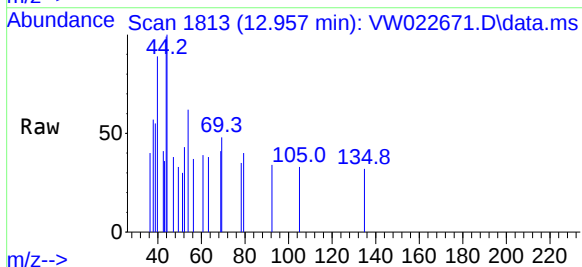
RT: 12.957 min Scan# 1813

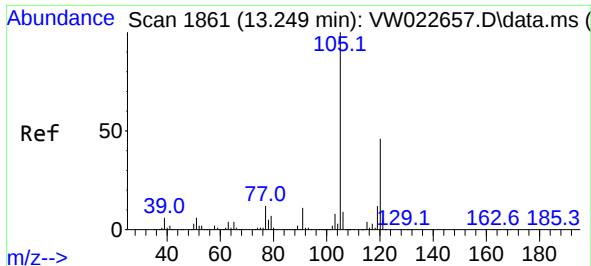
Delta R.T. 0.018 min

Lab File: VW022671.D

Acq: 28 Apr 2022 17:32

Tgt Ion: 105	Resp:	21
Ion Ratio	Lower	Upper
105	100	
120	0.0	37.5 56.3#

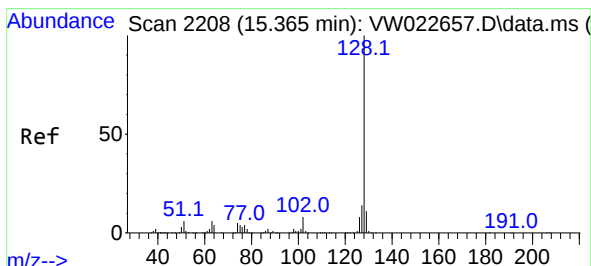
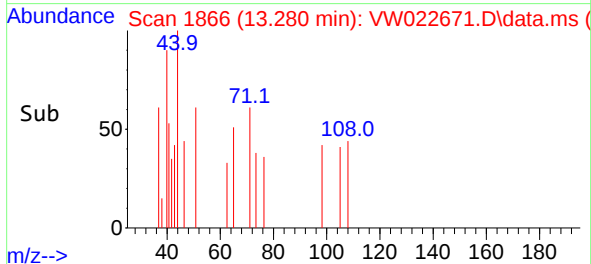
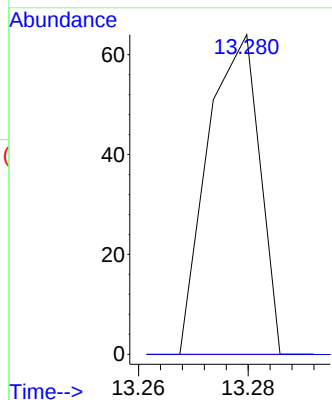
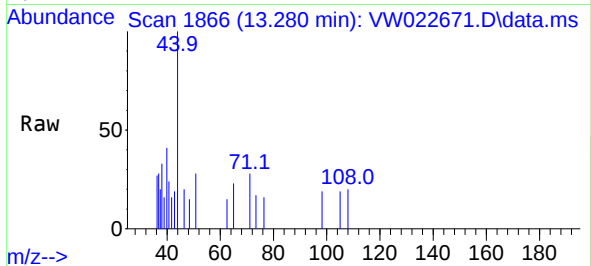




#63
1,2,4-Trimethylbenzene
Concen: 15.912 ug/L
RT: 13.280 min Scan# 11
Delta R.T. 0.030 min
Lab File: VW022671.D
Acq: 28 Apr 2022 17:32

Instrument :
MSVOA_W
ClientSampleId :
EW493

Tgt Ion:105 Resp: 42
Ion Ratio Lower Upper
105 100
120 0.0 34.2 51.2#



#71
Naphthalene
Concen: 27.695 ug/L
RT: 15.474 min Scan# 2226
Delta R.T. 0.110 min
Lab File: VW022671.D
Acq: 28 Apr 2022 17:32

Tgt Ion:128 Resp: 41
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 173.2 8.5 12.7#

