

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045109.D
 Acq On : 04 Oct 2021 20:15
 Operator : SY/MD
 Sample : M4000-09
 Misc : 5.08g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW904

Quant Time: Oct 05 02:49:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	366191	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.436	117	352532	50.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.825	152	180423	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	85402	21.304	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	42.600%#
7) Chloroethane-d5	1.900	69	37426	11.782	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	23.560%#
11) 1,1-Dichloroethene-d2	2.533	63	128499	19.088	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	38.180%#
21) 2-Butanone-d5	4.655	46	224126	70.720	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	70.720%
24) Chloroform-d	5.070	84	185036	29.225	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	58.460%#
26) 1,2-Dichloroethane-d4	5.707	65	130517	30.433	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	60.860%#
32) Benzene-d6	5.726	84	363643	29.727	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	59.460%#
36) 1,2-Dichloropropane-d6	6.697	67	122210	30.639	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	61.280%#
41) Toluene-d8	7.903	98	389922	36.936	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.880%#
43) trans-1,3-Dichloroprop...	8.189	79	25679	14.473	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	28.940%#
47) 2-Hexanone-d5	8.678	63	171969	77.799	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.800%
56) 1,1,2,2-Tetrachloroeth...	10.771	84	320706	51.634	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.260%
66) 1,2-Dichlorobenzene-d4	12.205	152	151995	38.710	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.420%#
Target Compounds						
					Qvalue	
15) Methyl Acetate	2.932	43	12330	2.729	ug/L #	54
25) Chloroform	5.112	83	7133	1.155	ug/L #	50
29) Cyclohexane	5.375	56	945919	178.508	ug/L	90
33) Benzene	5.777	78	7096	0.543	ug/L	100
34) Trichloroethene	6.571	95	9309	2.964	ug/L #	19
35) Methylcyclohexane	6.764	83	3669552	697.908	ug/L	95
38) Bromodichloromethane	7.073	83	50947	11.675	ug/L #	82
39) cis-1,3-Dichloropropene	7.571	75	4113	0.807	ug/L #	1
40) 4-Methyl-2-pentanone	7.761	43	31632	5.319	ug/L #	48
42) Toluene	7.977	91	73435	5.528	ug/L	100
45) 1,1,2-Trichloroethane	8.375	97	892255	276.562	ug/L #	18
46) Tetrachloroethene	8.562	164	1294	0.576	ug/L	79
48) 2-Hexanone	8.642	43	2862042	542.716	ug/L #	24
50) 1,2-Dibromoethane	8.957	107	3260	0.965	ug/L #	1
52) Ethylbenzene	9.584	91	2700939	192.451	ug/L	100
53) m,p-Xylene	9.710	106	3178798	597.905	ug/L	99
54) o-xylene	10.115	106	127890	24.479	ug/L	95
55) Styrene	10.118	104	6507	0.724	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.771	83	181959	29.455	ug/L #	79

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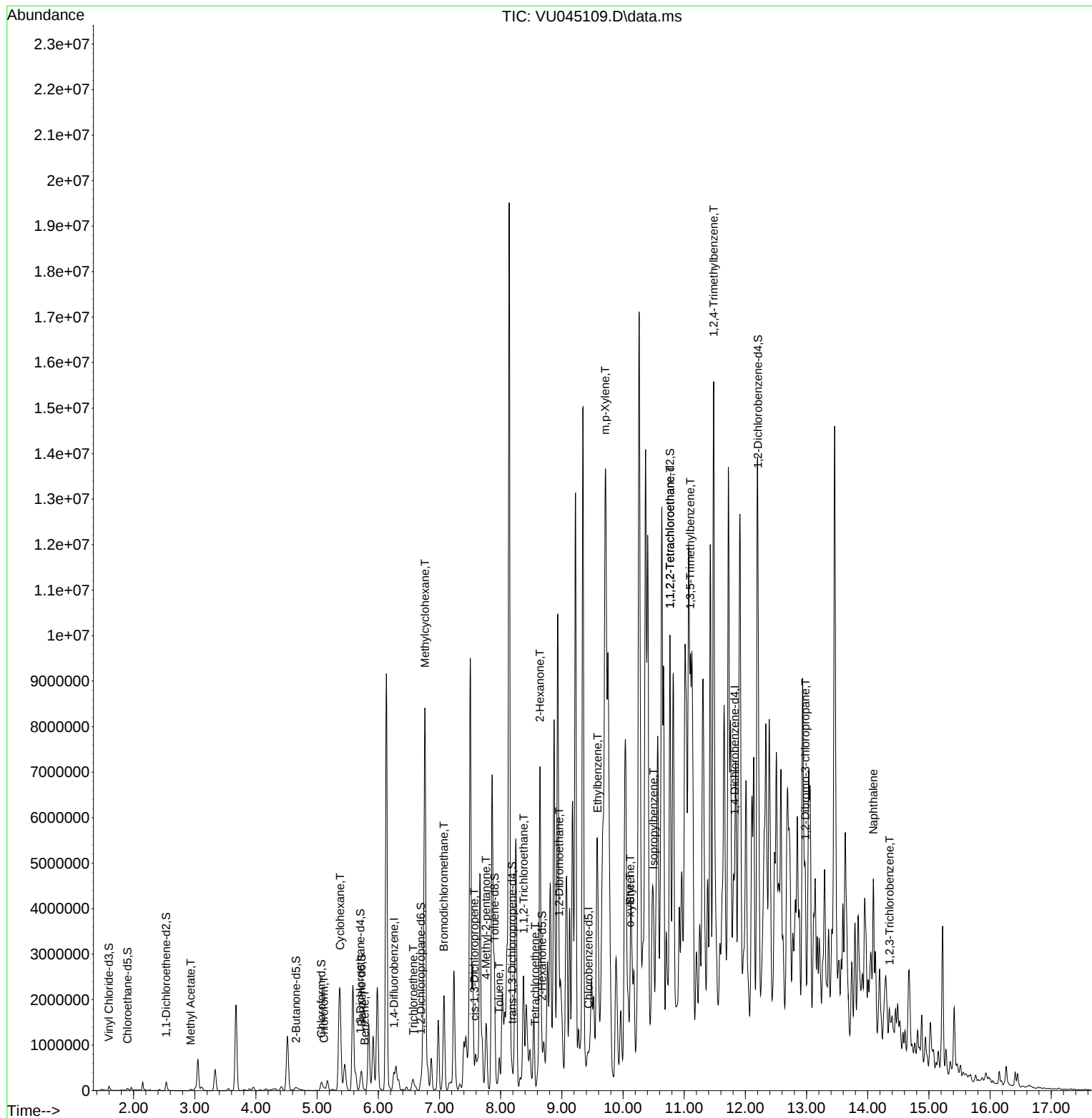
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) Isopropylbenzene	10.501	105	1059639	80.250	ug/L	98
62) 1,3,5-Trimethylbenzene	11.102	105	2799788	253.897	ug/L	99
63) 1,2,4-Trimethylbenzene	11.481	105	6378769	564.887	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.983	75	12361	8.620	ug/L #	15
71) Naphthalene	14.092	128	2486627	203.912	ug/L	98
72) 1,2,3-Trichlorobenzene	14.356	180	6674	1.854	ug/L #	1

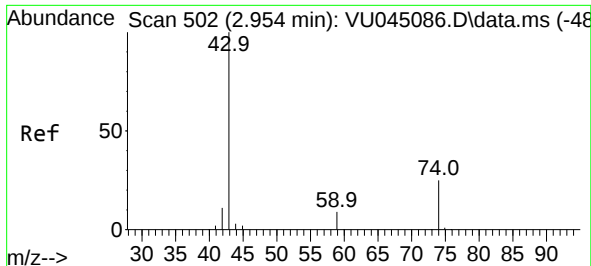
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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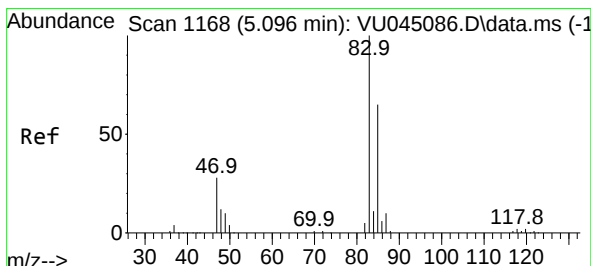
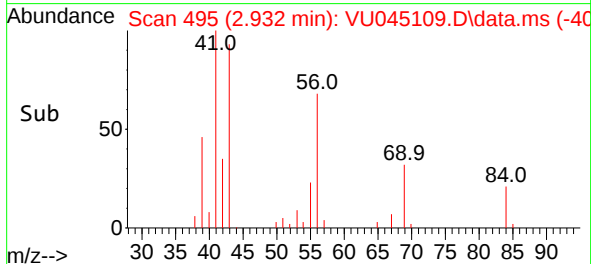
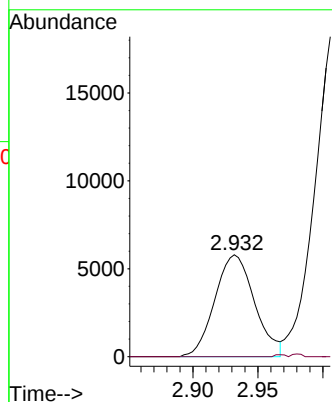
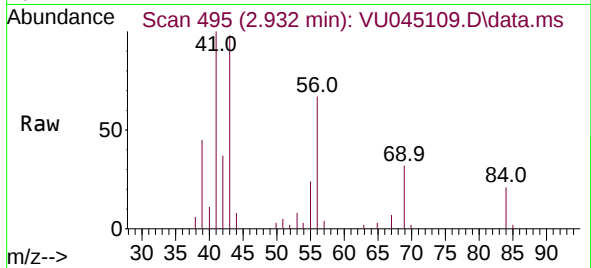




#15
Methyl Acetate
Concen: 2.729 ug/L
RT: 2.932 min Scan# 495
Delta R.T. -0.022 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

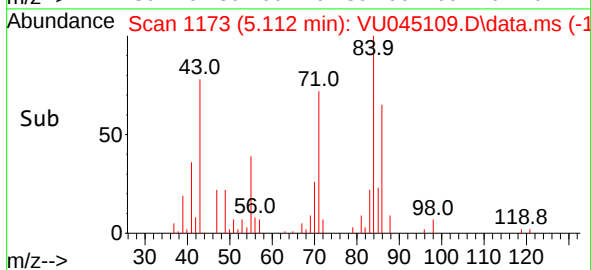
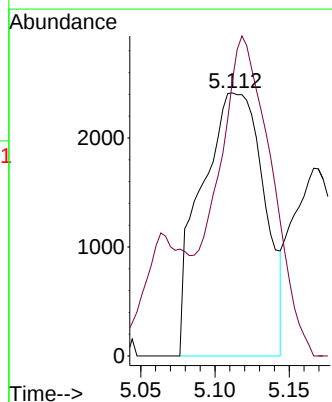
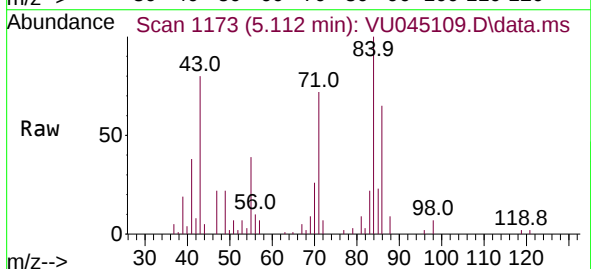
Instrument :
MSVOA_U
ClientSampled :
EW904

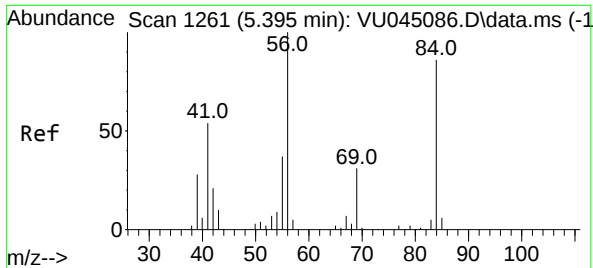
Tgt Ion: 43 Resp: 12330
Ion Ratio Lower Upper
43 100
74 0.5 18.4 27.6#



#25
Chloroform
Concen: 1.155 ug/L
RT: 5.112 min Scan# 1173
Delta R.T. 0.016 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

Tgt Ion: 83 Resp: 7133
Ion Ratio Lower Upper
83 100
85 104.5 45.6 84.6#

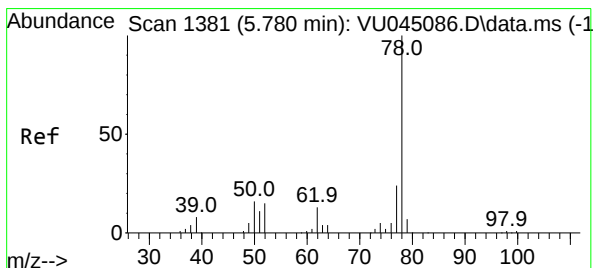
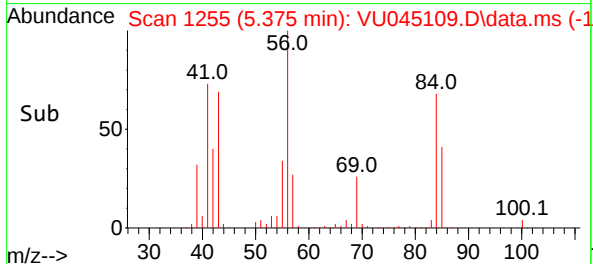
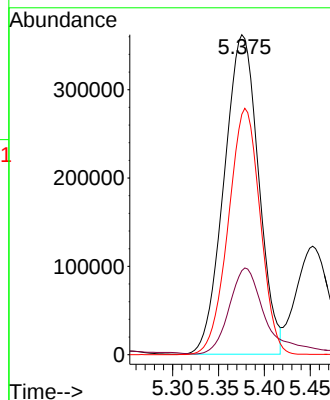
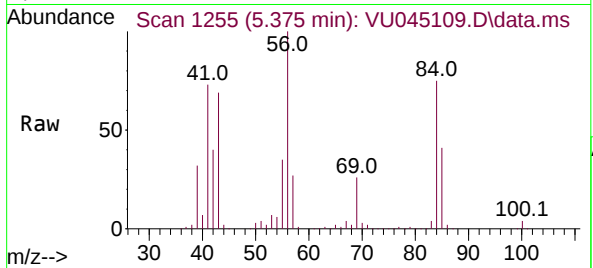




#29
Cyclohexane
Concen: 178.508 ug/L
RT: 5.375 min Scan# 1255
Delta R.T. -0.019 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

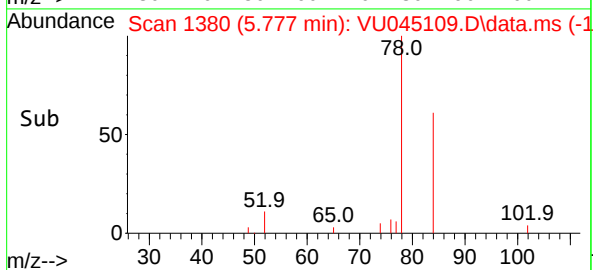
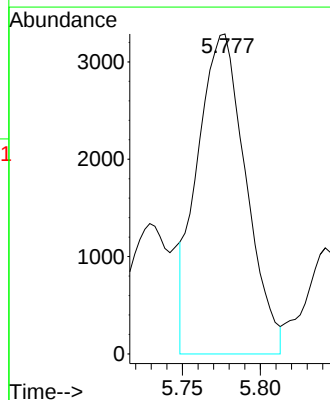
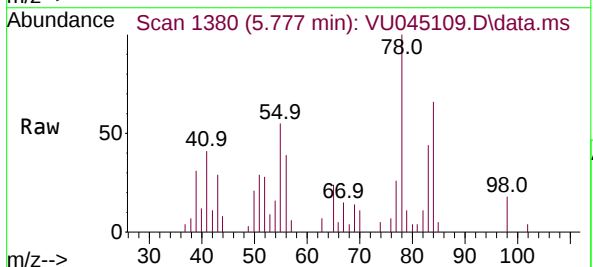
Instrument :
MSVOA_U
ClientSampled :
EW904

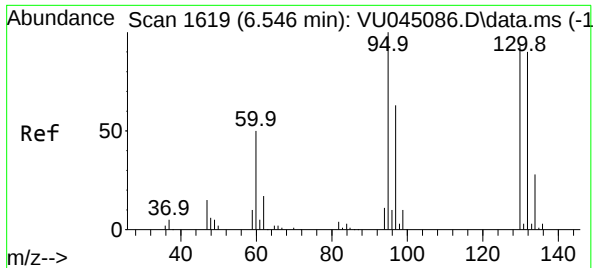
Tgt Ion:	56	Resp:	945919
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.8	35.8
84	71.3	66.8	100.2



#33
Benzene
Concen: 0.543 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

Tgt Ion: 78 Resp: 7096

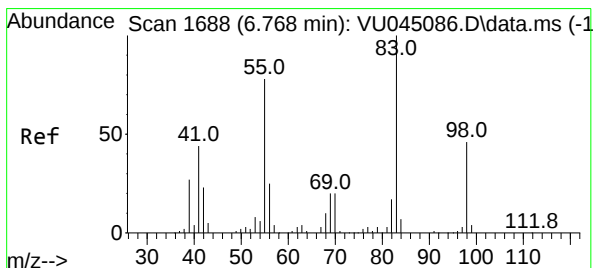
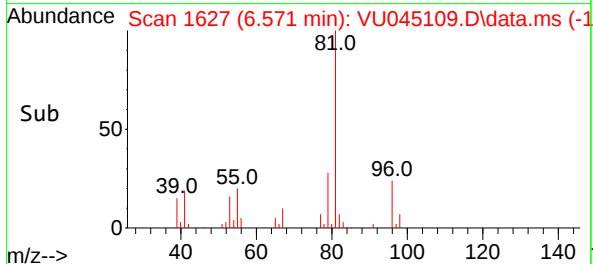
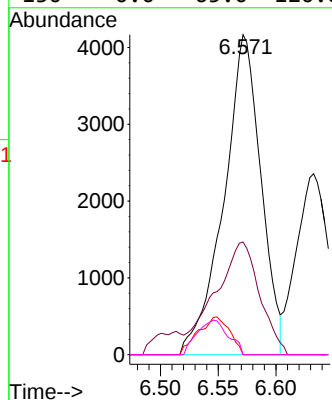
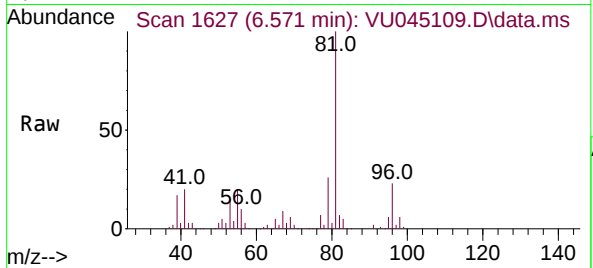




#34
Trichloroethene
Concen: 2.964 ug/L
RT: 6.571 min Scan# 1627
Delta R.T. 0.026 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

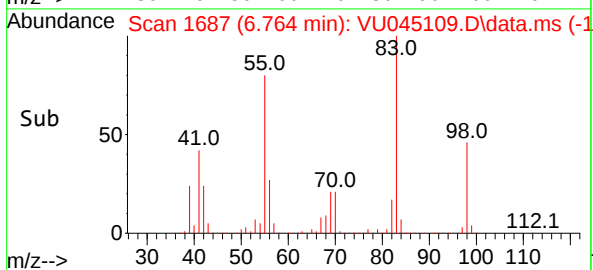
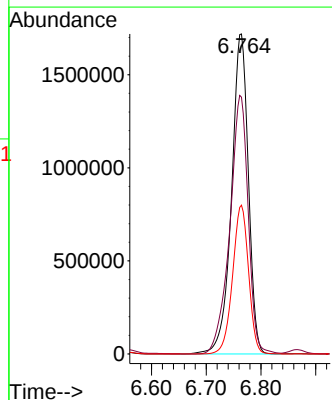
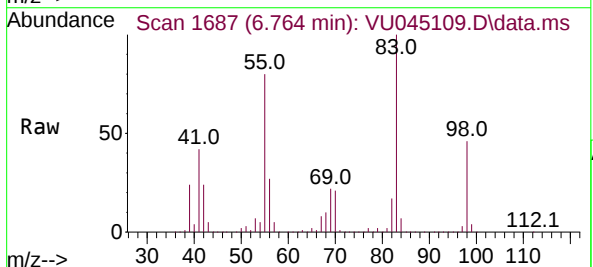
Instrument :
MSVOA_U
ClientSampled :
EW904

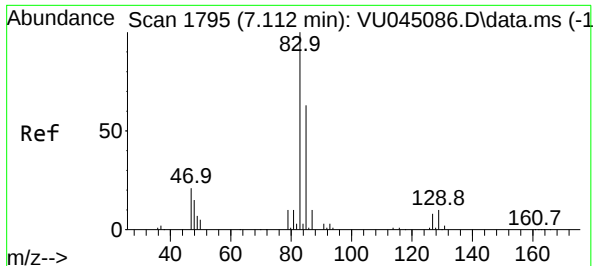
Tgt Ion: 95 Resp: 9309
Ion Ratio Lower Upper
95 100
97 35.2 44.4 82.4#
132 0.0 62.9 116.9#
130 0.0 65.0 120.8#



#35
Methylcyclohexane
Concen: 697.908 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.003 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

Tgt Ion: 83 Resp: 3669552
Ion Ratio Lower Upper
83 100
55 88.1 65.8 98.6
98 44.1 37.1 55.7





#38

Bromodichloromethane

Concen: 11.675 ug/L

RT: 7.073 min Scan# 1783

Delta R.T. -0.038 min

Lab File: VU045109.D

Acq: 04 Oct 2021 20:15

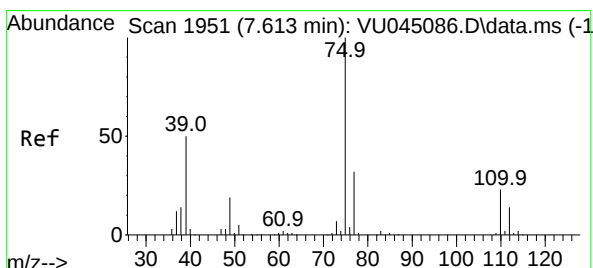
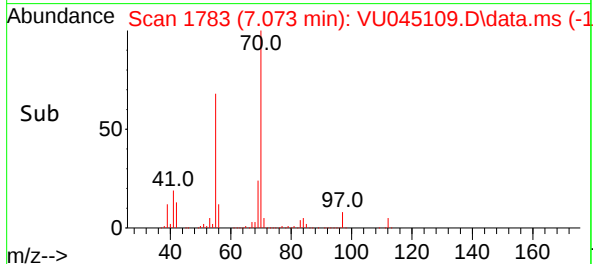
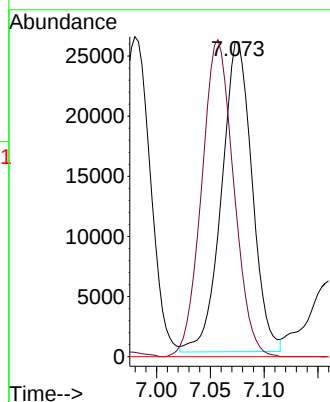
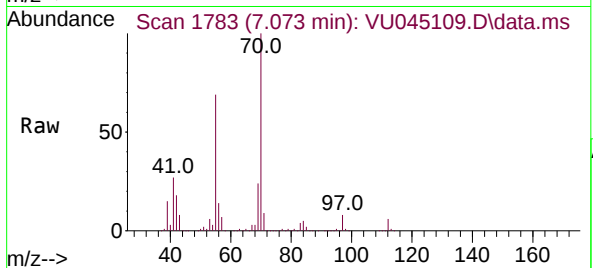
Instrument :

MSVOA_U

ClientSampled :

EW904

Tgt Ion:	83	Resp:	50947
Ion	Ratio	Lower	Upper
83	100		
85	49.6	44.6	82.8
127	0.0	6.2	9.2#



#39

cis-1,3-Dichloropropene

Concen: 0.807 ug/L

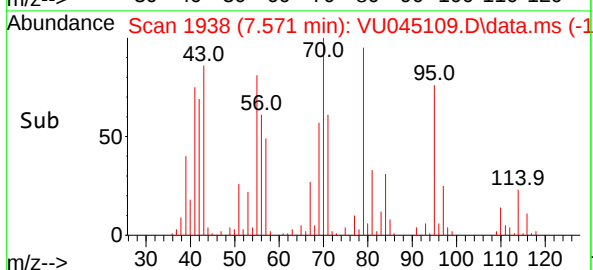
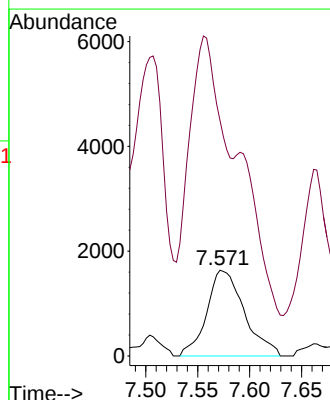
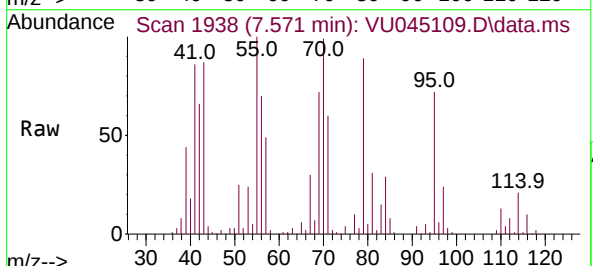
RT: 7.571 min Scan# 1938

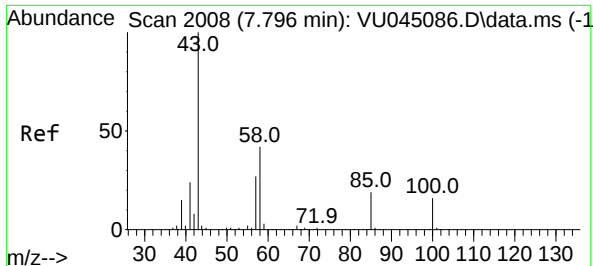
Delta R.T. -0.042 min

Lab File: VU045109.D

Acq: 04 Oct 2021 20:15

Tgt Ion:	75	Resp:	4113
Ion	Ratio	Lower	Upper
75	100		
77	274.5	22.4	41.6#

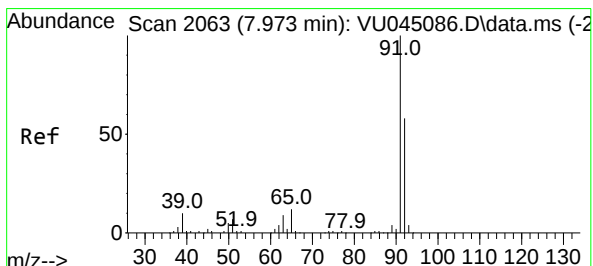
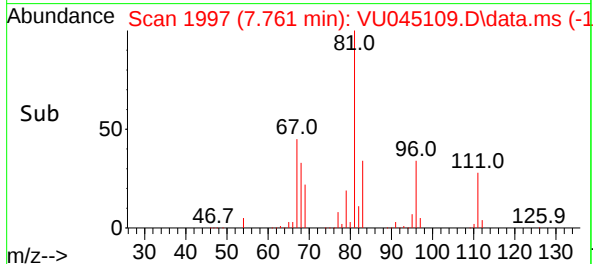
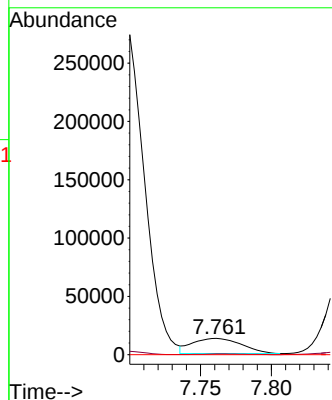
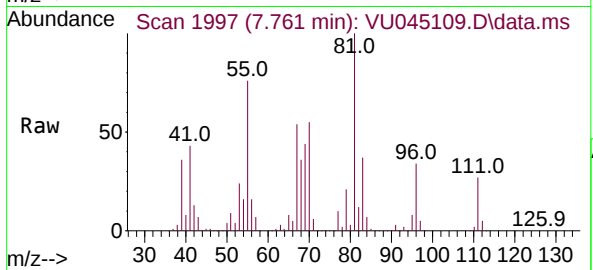




#40
4-Methyl-2-pentanone
Concen: 5.319 ug/L
RT: 7.761 min Scan# 1997
Delta R.T. -0.035 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

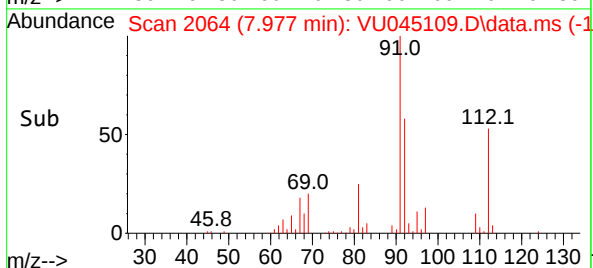
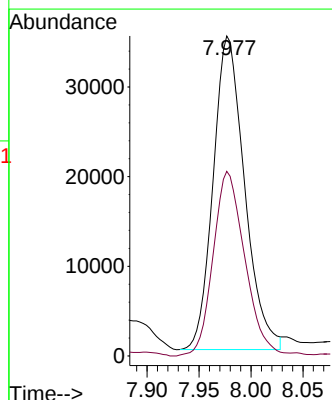
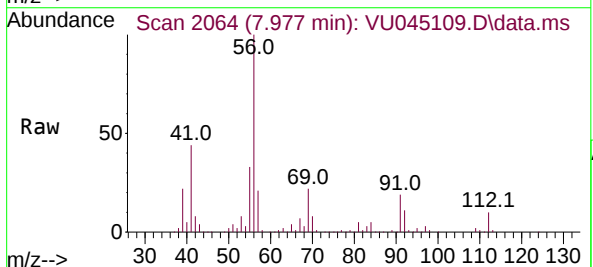
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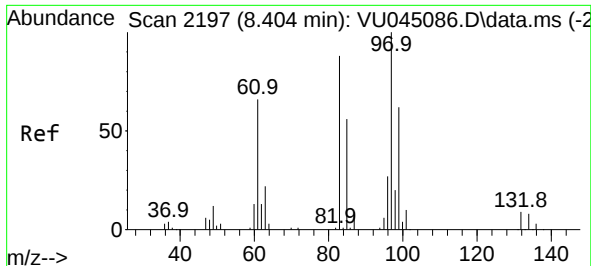
Tgt Ion: 43 Resp: 31632
Ion Ratio Lower Upper
43 100
58 4.4 31.8 47.8#
100 0.0 11.8 17.6#



#42
Toluene
Concen: 5.528 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.003 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

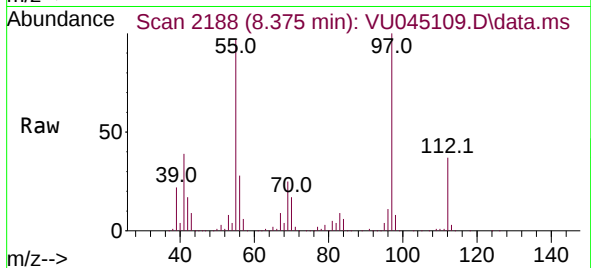
Tgt Ion: 91 Resp: 73435
Ion Ratio Lower Upper
91 100
92 57.7 40.5 75.1



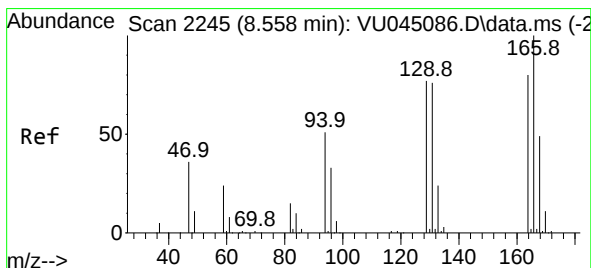
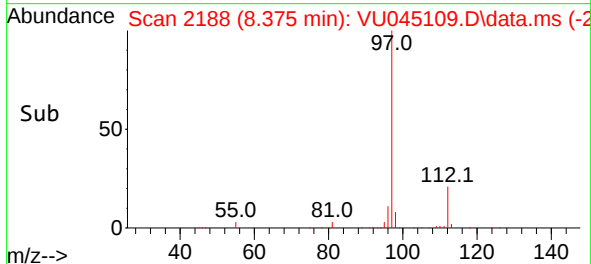
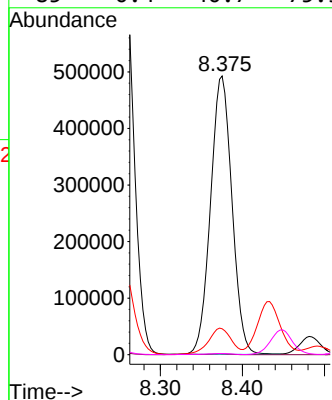


#45
1,1,2-Trichloroethane
Concen: 276.562 ug/L
RT: 8.375 min Scan# 2188
Delta R.T. -0.029 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

Instrument :
MSVOA_U
ClientSampled :
EW904

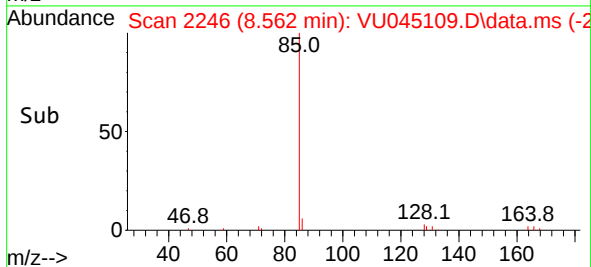
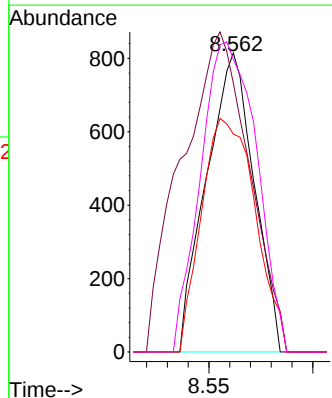
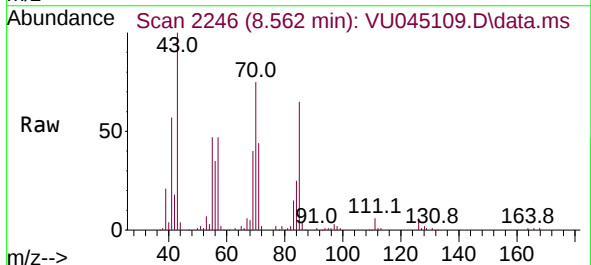


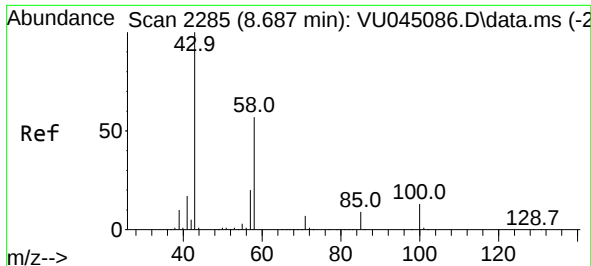
Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.3	43.7	81.1#
83	9.3	61.9	115.1#
85	0.4	40.7	75.5#



#46
Tetrachloroethene
Concen: 0.576 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.003 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

Tgt Ion	Ratio	Lower	Upper
164	100		
129	89.9	69.8	129.6
131	72.9	66.4	123.2
166	97.9	91.1	169.3



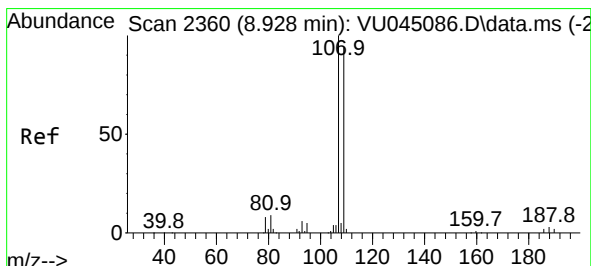
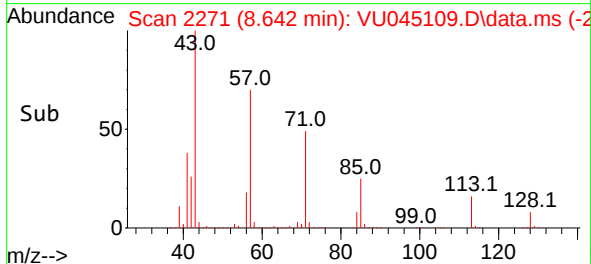
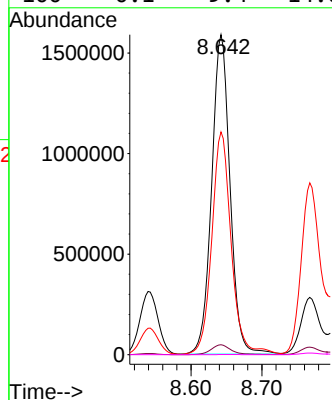
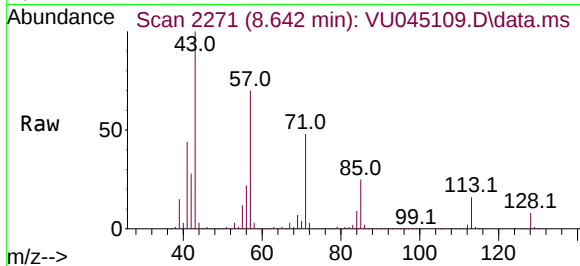


#48
2-Hexanone
Concen: 542.716 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.045 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

Instrument :
MSVOA_U
ClientSampleId :
EW904

Tgt Ion: 43 Resp: 2862042

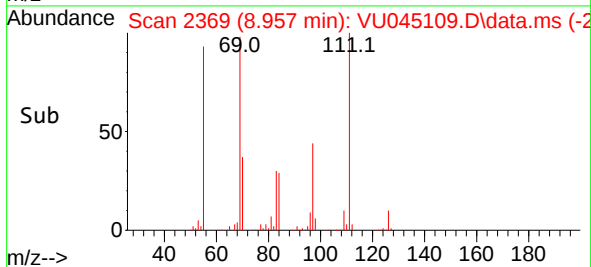
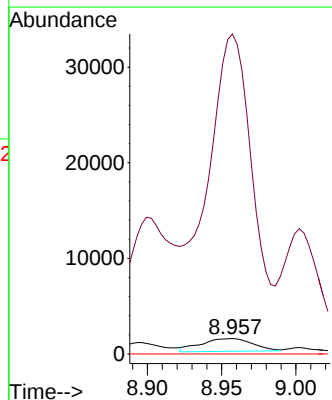
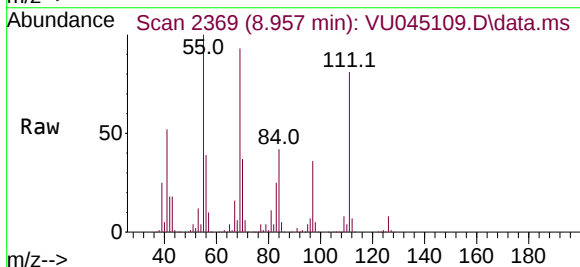
Ion	Ratio	Lower	Upper
43	100		
58	3.5	44.9	67.3#
57	71.8	15.5	23.3#
100	0.1	9.4	14.0#

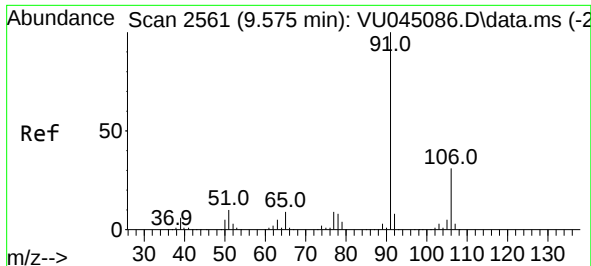


#50
1,2-Dibromoethane
Concen: 0.965 ug/L
RT: 8.957 min Scan# 2369
Delta R.T. 0.029 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

Tgt Ion: 107 Resp: 3260

Ion	Ratio	Lower	Upper
107	100		
109	2079.5	65.5	121.6#
188	0.0	2.6	3.8#

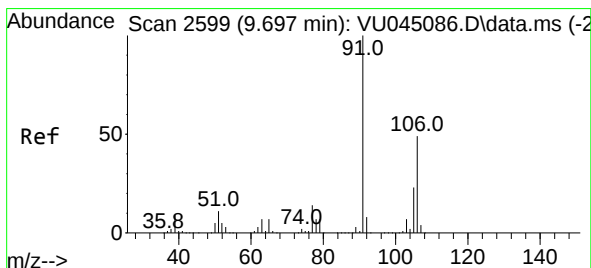
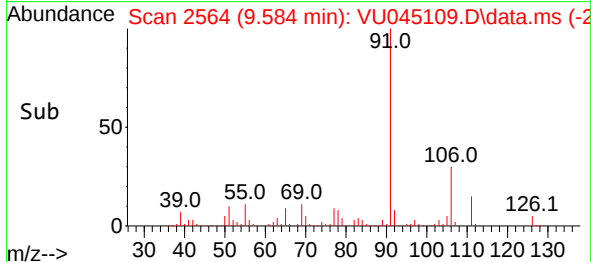
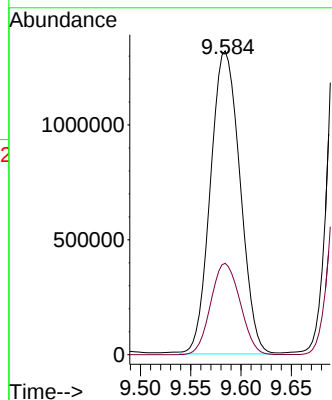
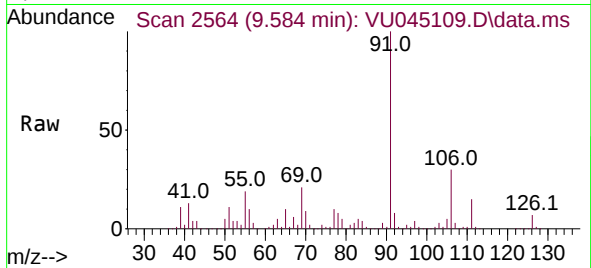




#52
Ethylbenzene
Concen: 192.451 ug/L
RT: 9.584 min Scan# 2564
Delta R.T. 0.010 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

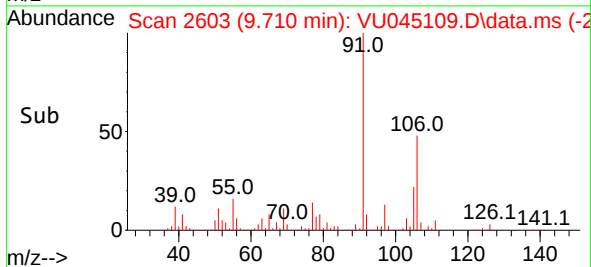
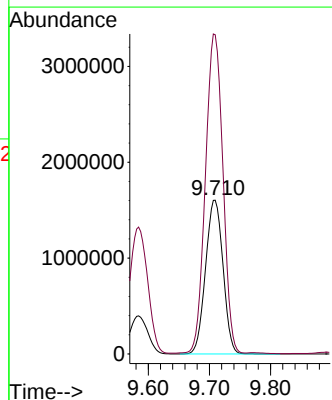
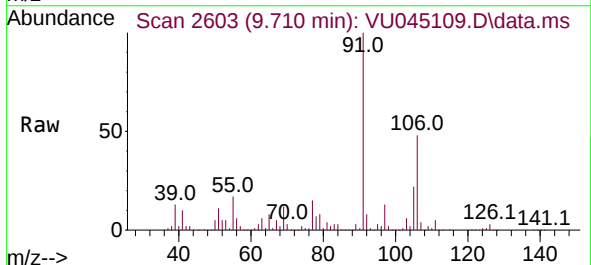
Instrument :
MSVOA_U
ClientSampled :
EW904

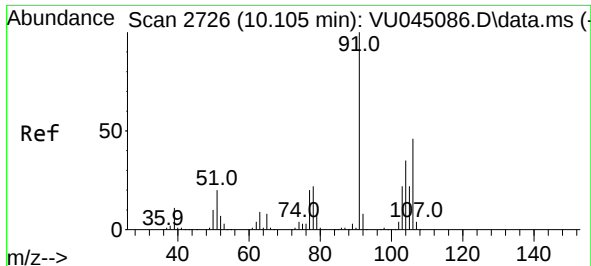
Tgt Ion: 91 Resp: 2700939
Ion Ratio Lower Upper
91 100
106 30.1 21.2 39.4



#53
m,p-Xylene
Concen: 597.905 ug/L
RT: 9.710 min Scan# 2603
Delta R.T. 0.013 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

Tgt Ion:106 Resp: 3178798
Ion Ratio Lower Upper
106 100
91 207.5 146.7 272.4

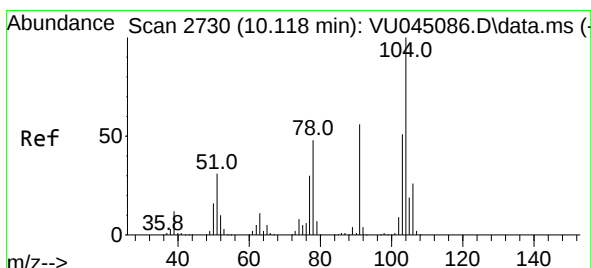
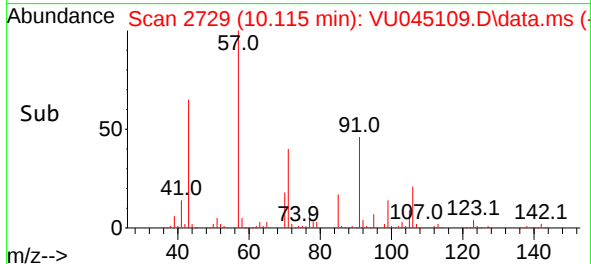
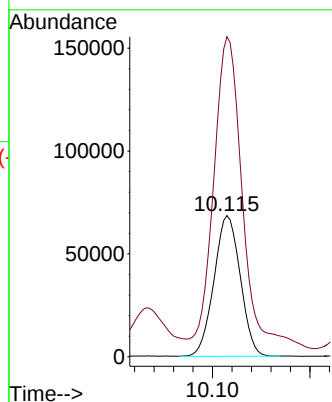
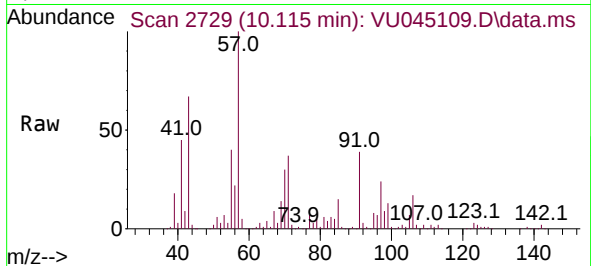




#54
o-xylene
Concen: 24.479 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.010 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

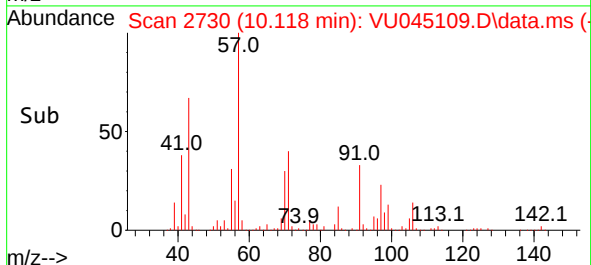
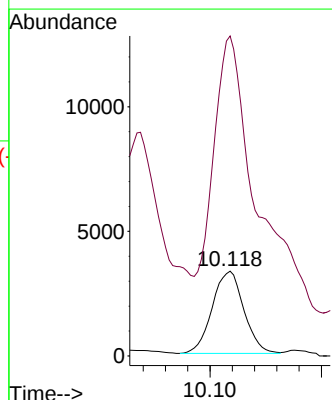
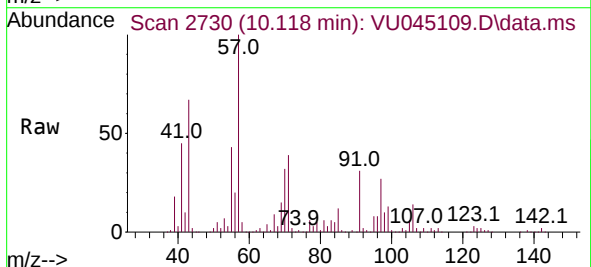
Instrument :
MSVOA_U
ClientSampleId :
EW904

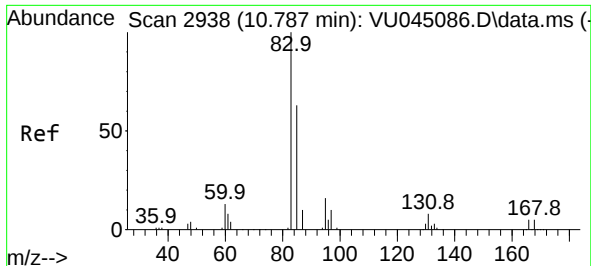
Tgt Ion:106 Resp: 127890
Ion Ratio Lower Upper
106 100
91 226.8 152.9 283.9



#55
Styrene
Concen: 0.724 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

Tgt Ion:104 Resp: 6507
Ion Ratio Lower Upper
104 100
78 377.2 33.3 61.9#

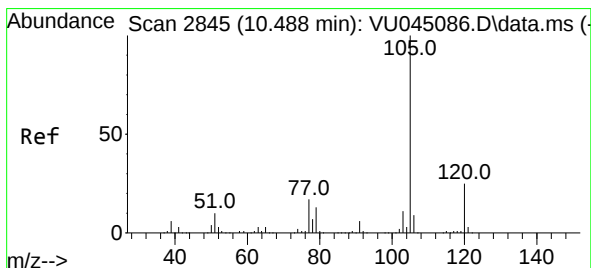
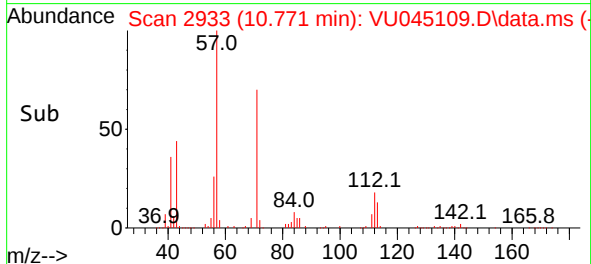
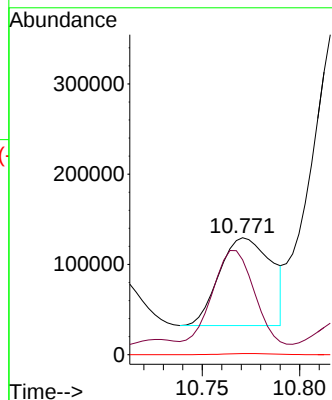
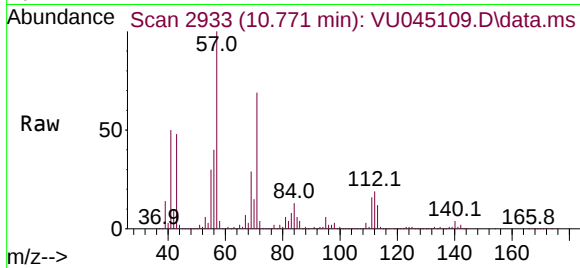




#57
1,1,2,2-Tetrachloroethane
Concen: 29.455 ug/L
RT: 10.771 min Scan# 2933
Delta R.T. -0.016 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

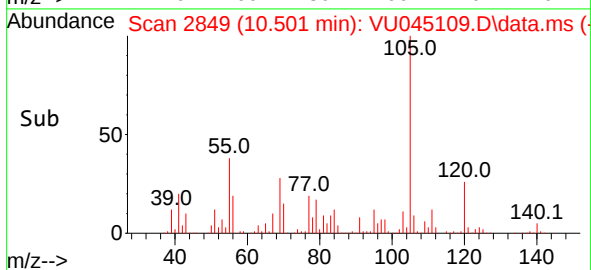
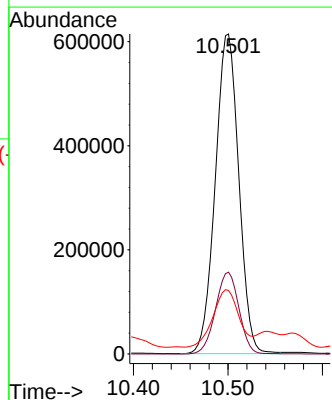
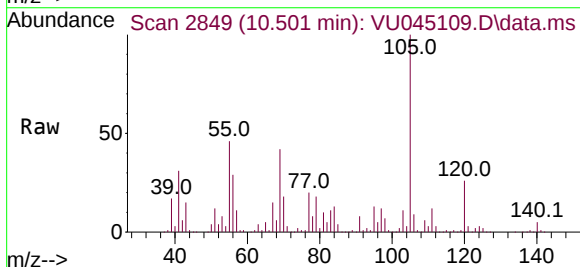
Instrument :
MSVOA_U
ClientSampleId :
EW904

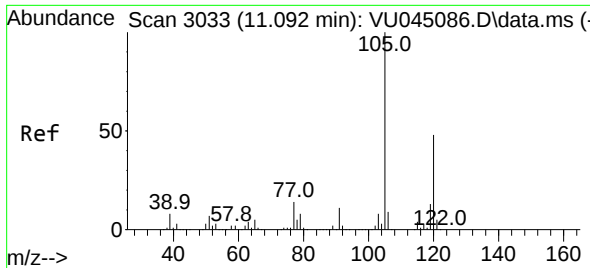
Tgt Ion: 83 Resp: 181959
Ion Ratio Lower Upper
83 100
85 81.2 45.1 83.7
131 0.9 6.9 10.3#



#61
Isopropylbenzene
Concen: 80.250 ug/L
RT: 10.501 min Scan# 2849
Delta R.T. 0.013 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

Tgt Ion:105 Resp: 1059639
Ion Ratio Lower Upper
105 100
120 25.5 20.5 30.7
77 19.4 13.5 20.3

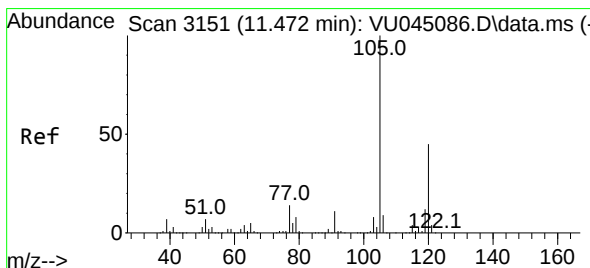
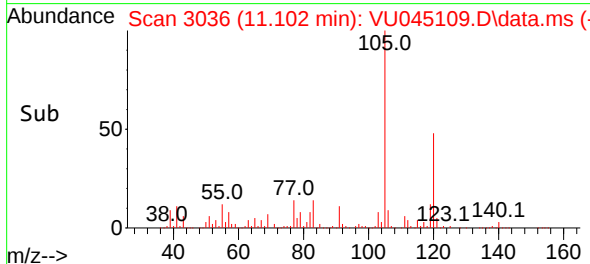
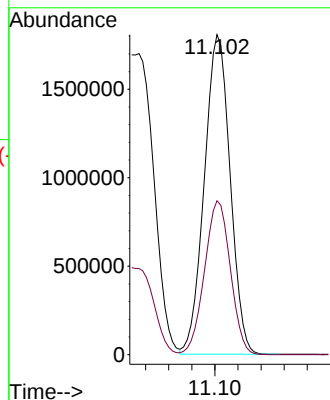
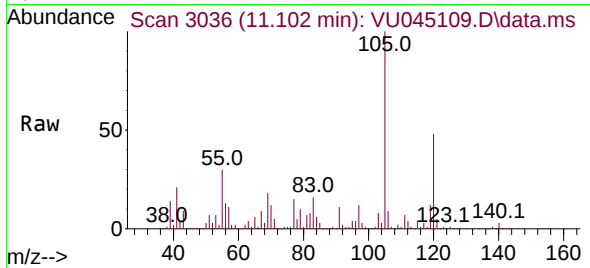




#62
 1,3,5-Trimethylbenzene
 Concen: 253.897 ug/L
 RT: 11.102 min Scan# 3036
 Delta R.T. 0.010 min
 Lab File: VU045109.D
 Acq: 04 Oct 2021 20:15

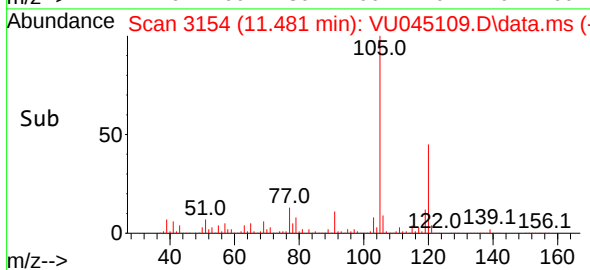
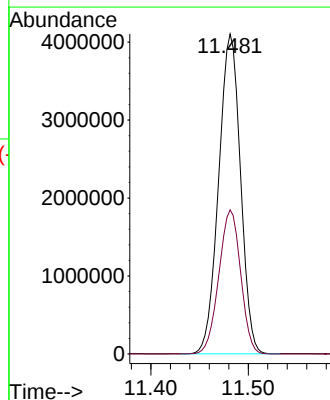
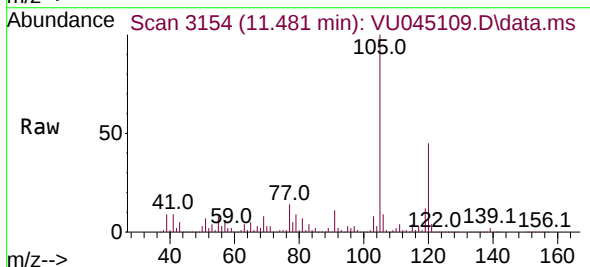
Instrument :
 MSVOA_U
 ClientSampleId :
 EW904

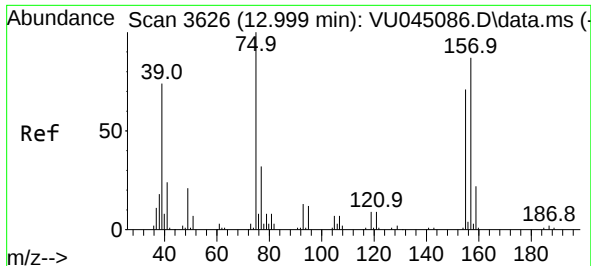
Tgt Ion:105 Resp: 2799788
 Ion Ratio Lower Upper
 105 100
 120 48.1 38.8 58.2



#63
 1,2,4-Trimethylbenzene
 Concen: 564.887 ug/L
 RT: 11.481 min Scan# 3154
 Delta R.T. 0.010 min
 Lab File: VU045109.D
 Acq: 04 Oct 2021 20:15

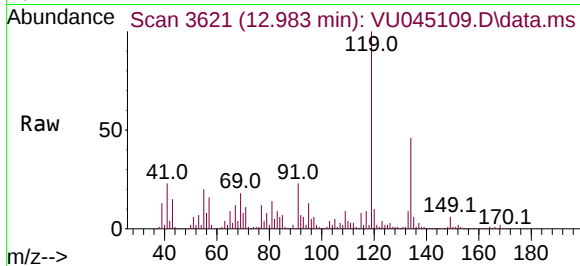
Tgt Ion:105 Resp: 6378769
 Ion Ratio Lower Upper
 105 100
 120 45.0 35.7 53.5



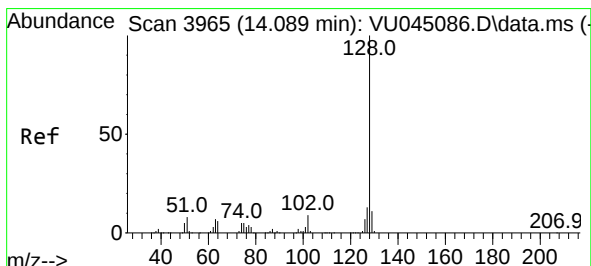
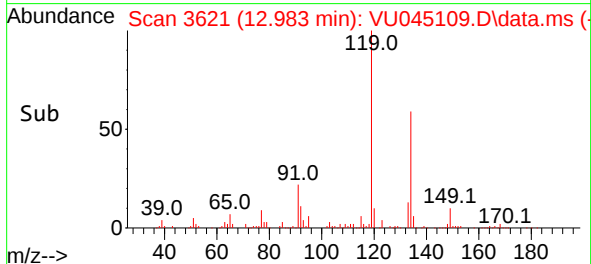
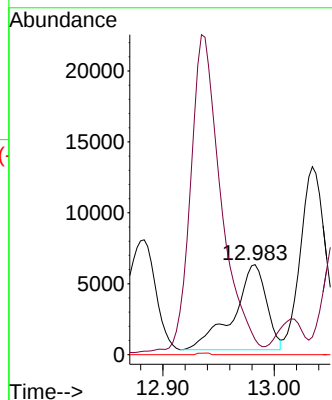


#68
1,2-Dibromo-3-chloropropane
Concen: 8.620 ug/L
RT: 12.983 min Scan# 3621
Delta R.T. -0.016 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

Instrument :
MSVOA_U
ClientSampled :
EW904

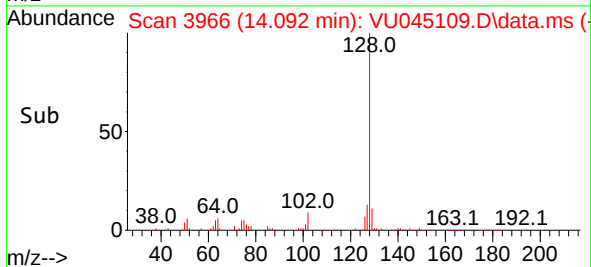
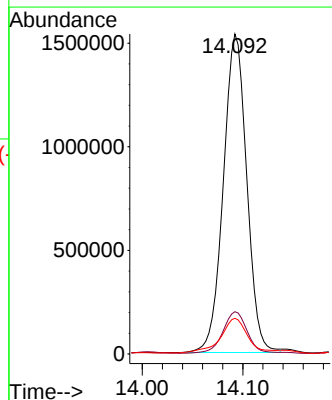
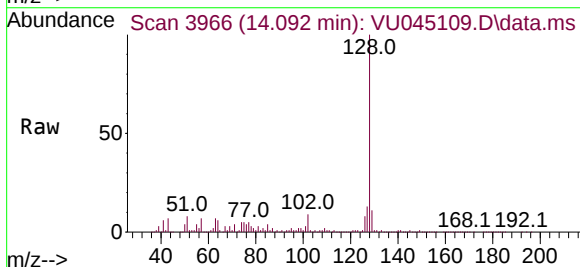


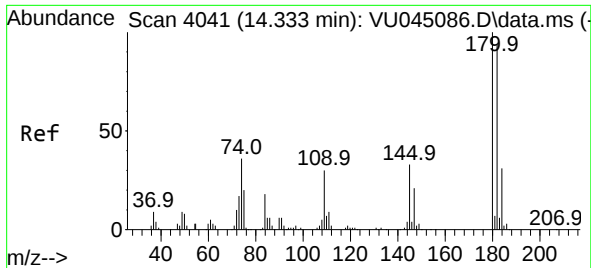
Tgt Ion: 75 Resp: 12361
Ion Ratio Lower Upper
75 100
155 16.9 58.5 87.7#
157 0.0 77.7 116.5#



#71
Naphthalene
Concen: 203.912 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045109.D
Acq: 04 Oct 2021 20:15

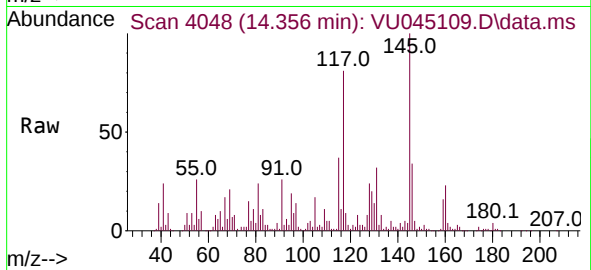
Tgt Ion:128 Resp: 2486627
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 12.2 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 1.854 ug/L
 RT: 14.356 min Scan# 4048
 Delta R.T. 0.023 min
 Lab File: VU045109.D
 Acq: 04 Oct 2021 20:15

Instrument :
 MSVOA_U
 ClientSampleId :
 EW904



Tgt Ion:180 Resp: 6674
 Ion Ratio Lower Upper
 180 100
 182 17.2 76.8 115.2#
 145 4646.2 26.5 39.7#

