

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032622\
 Data File : VU047710.D
 Acq On : 26 Mar 2022 15:42
 Operator : SY/MD
 Sample : N2081-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X5

Quant Time: Mar 28 05:09:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 28 05:05:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	319902	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	326673	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	198671	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	69653	30.025	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	60.060%
7) Chloroethane-d5	1.919	69	59884	32.738	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	65.480%#
11) 1,1-Dichloroethene-d2	2.572	63	108614	25.591	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.180%#
21) 2-Butanone-d5	4.639	46	175025	87.902	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.900%
24) Chloroform-d	5.067	84	157667	37.145	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.280%
26) 1,2-Dichloroethane-d4	5.703	65	102436	39.348	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.700%
32) Benzene-d6	5.729	84	307101	37.360	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.720%
36) 1,2-Dichloropropane-d6	6.694	67	100862	39.954	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.900%
41) Toluene-d8	7.899	98	277866	34.695	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.400%#
43) trans-1,3-Dichloroprop...	8.179	79	48432	37.869	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.740%
47) 2-Hexanone-d5	8.636	63	126666	85.712	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.710%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	174964	40.385	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.780%
66) 1,2-Dichlorobenzene-d4	12.195	152	144291	40.823	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.640%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	199065	68.816	ug/L	98
8) Chloroethane	1.938	64	55965	30.819	ug/L	98
12) 1,1-Dichloroethene	2.584	96	13742	6.262	ug/L #	1
17) trans-1,2-Dichloroethene	3.359	96	7718	3.261	ug/L	93
19) 1,1-Dichloroethane	3.874	63	829286	203.156	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	864899	333.318	ug/L	95
27) 1,2-Dichloroethane	5.793	62	6089	1.793	ug/L #	90
30) 1,1,1-Trichloroethane	5.321	97	424574	114.622	ug/L	99
34) Trichloroethene	6.543	95	32603	13.152	ug/L	98
35) Methylcyclohexane	6.764	83	13201	3.500	ug/L	97
42) Toluene	7.970	91	96824	9.332	ug/L	96
46) Tetrachloroethene	8.552	164	68975	30.962	ug/L	100
52) Ethylbenzene	9.571	91	151506	13.888	ug/L	98
53) m,p-Xylene	9.694	106	63437	14.820	ug/L	94
54) o-Xylene	10.102	106	69452	16.532	ug/L	95
61) Isopropylbenzene	10.484	105	47197	4.396	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	444040	76.221	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	1886843	213.224	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	7716	1.292	ug/L #	85

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Quant Title : VOC Analysis
QLast Update : Mon Mar 28 05:05:44 2022
Response via : Initial Calibration

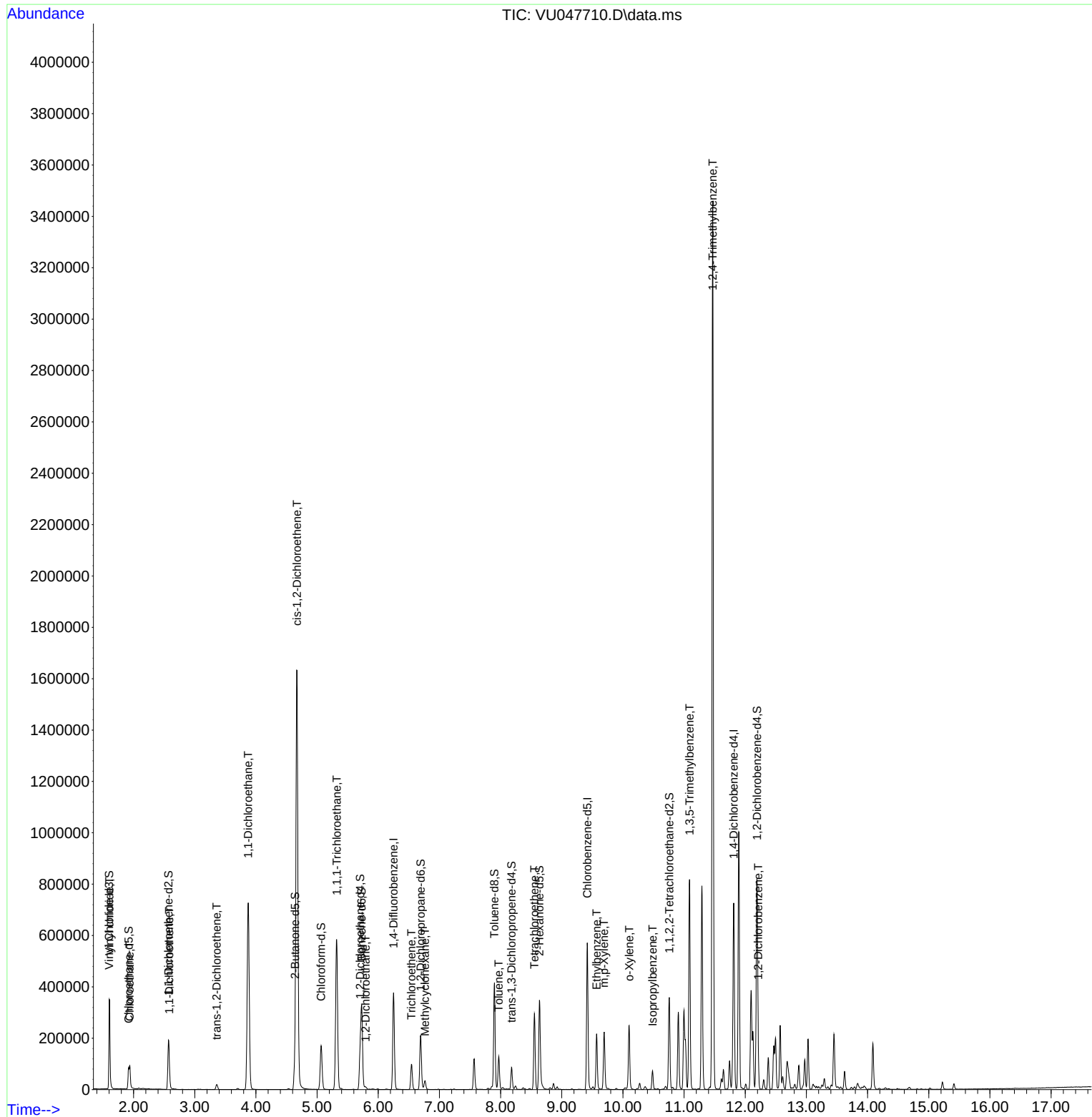
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

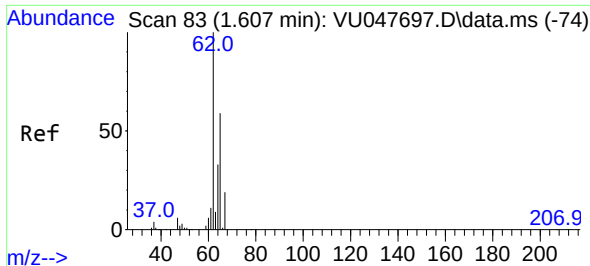
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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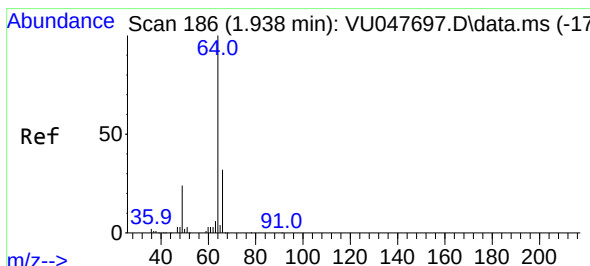
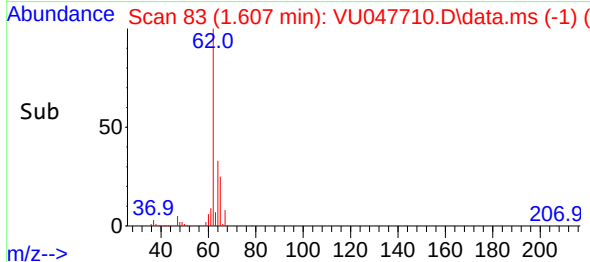
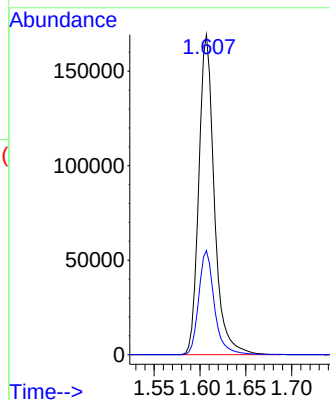
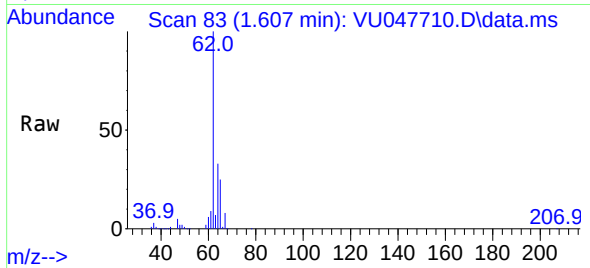




#5
 Vinyl chloride
 Concen: 68.816 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU047710.D
 Acq: 26 Mar 2022 15:42

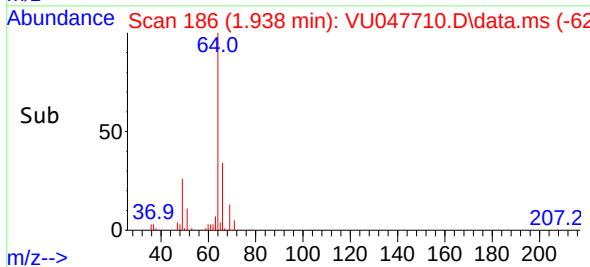
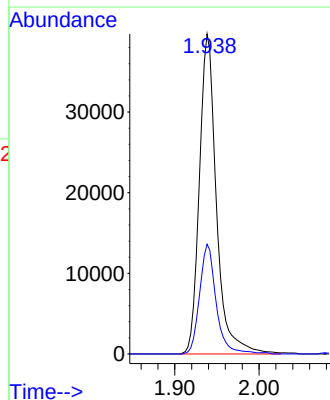
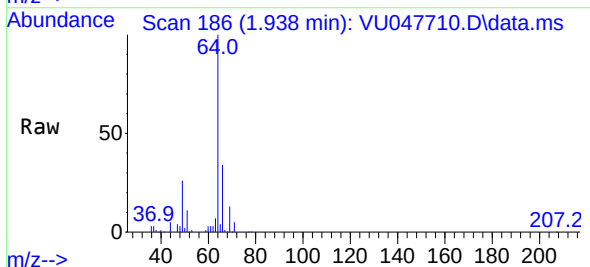
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X5

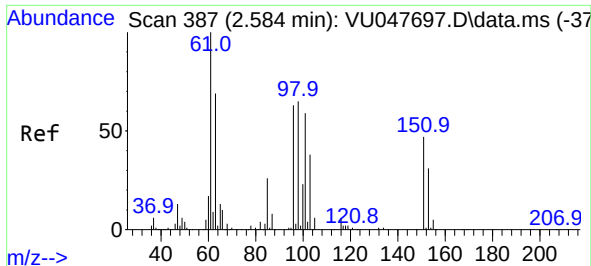
Tgt Ion: 62 Resp: 199065
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.7 43.9



#8
 Chloroethane
 Concen: 30.819 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU047710.D
 Acq: 26 Mar 2022 15:42

Tgt Ion: 64 Resp: 55965
 Ion Ratio Lower Upper
 64 100
 66 34.3 23.3 43.3

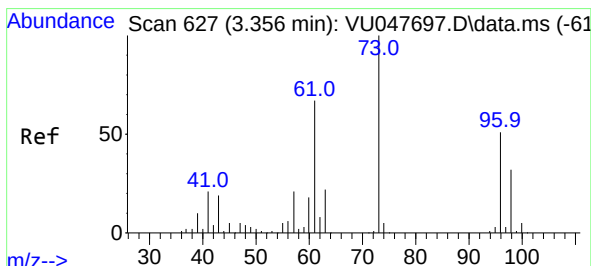
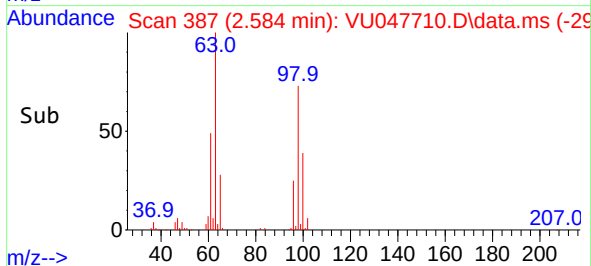
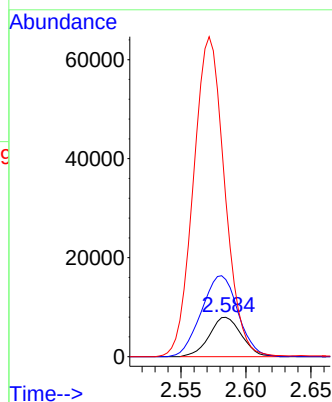
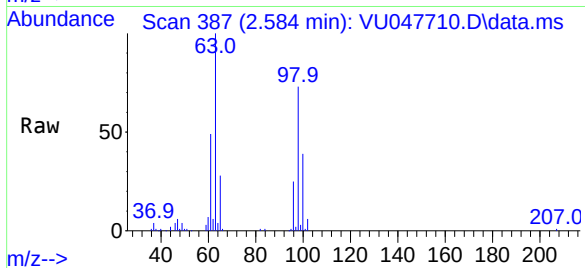




#12
1,1-Dichloroethene
Concen: 6.262 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

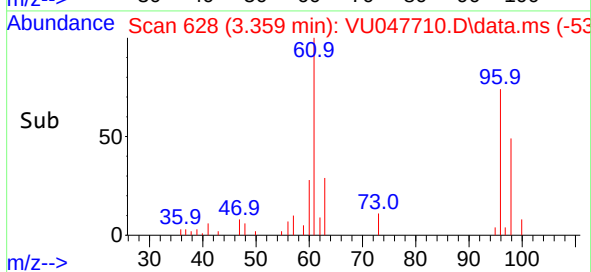
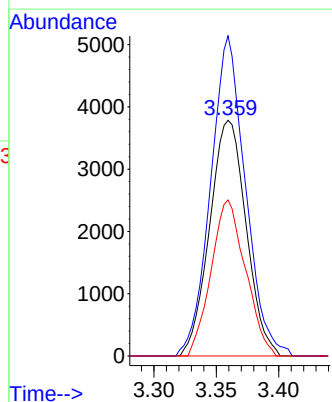
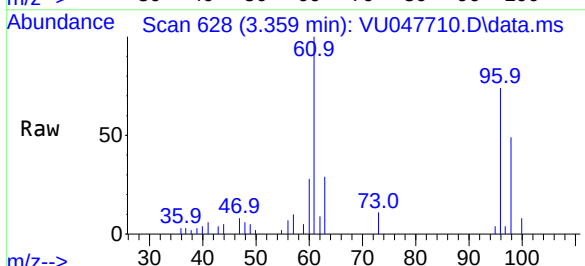
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ClientSampleId :
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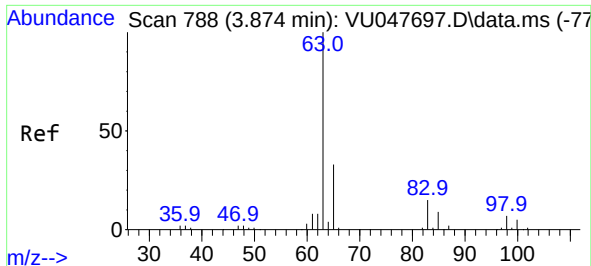
Tgt Ion: 96 Resp: 13742
Ion Ratio Lower Upper
96 100
61 195.6 113.1 210.1
63 399.2 94.8 176.0#



#17
trans-1,2-Dichloroethene
Concen: 3.261 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

Tgt Ion: 96 Resp: 7718
Ion Ratio Lower Upper
96 100
61 135.8 88.4 164.2
98 66.2 43.3 80.5

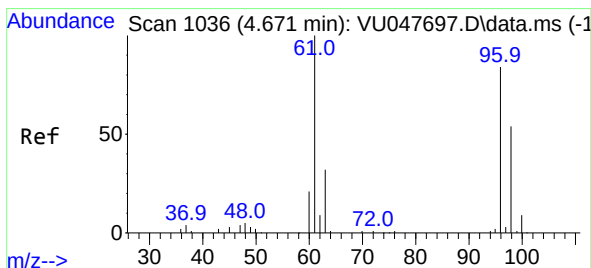
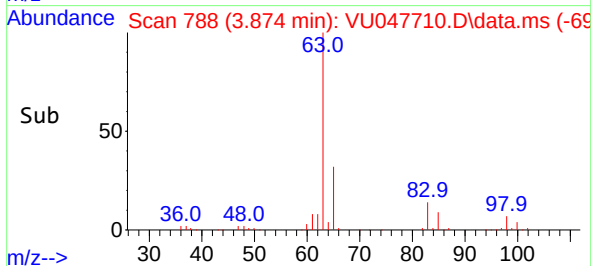
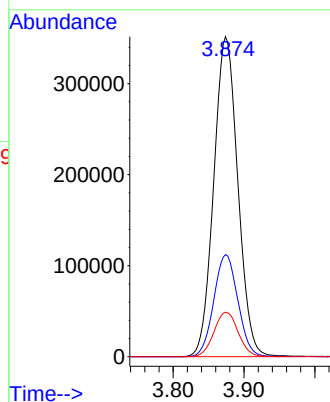
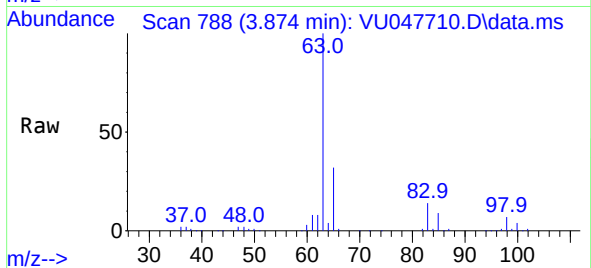




#19
1,1-Dichloroethane
Concen: 203.156 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.000 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

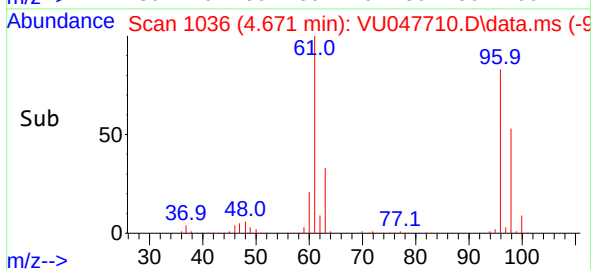
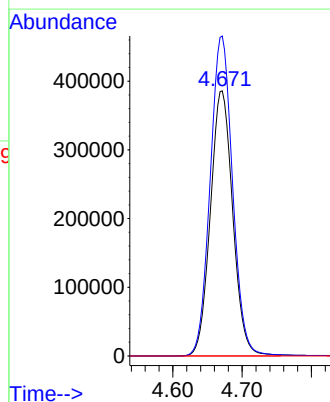
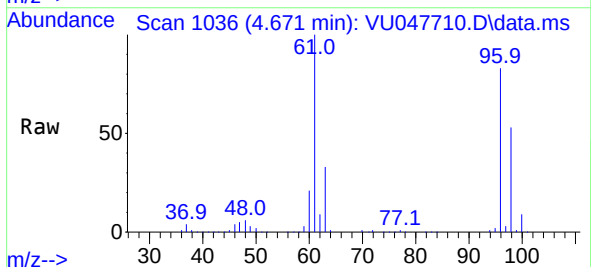
Instrument :
MSVOA_U
ClientSampleId :
EW5X5

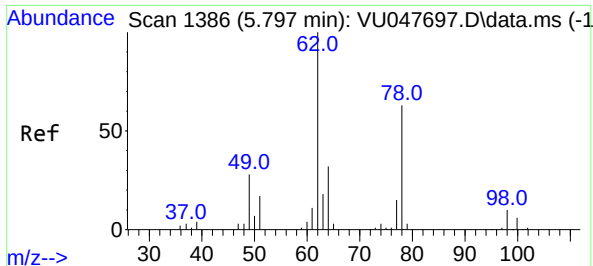
Tgt Ion: 63 Resp: 829286
Ion Ratio Lower Upper
63 100
65 31.9 22.0 41.0
83 13.9 9.7 18.1



#20
cis-1,2-Dichloroethene
Concen: 333.318 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

Tgt Ion: 96 Resp: 864899
Ion Ratio Lower Upper
96 100
61 120.7 80.7 149.9
68 0.0 0.0 0.0

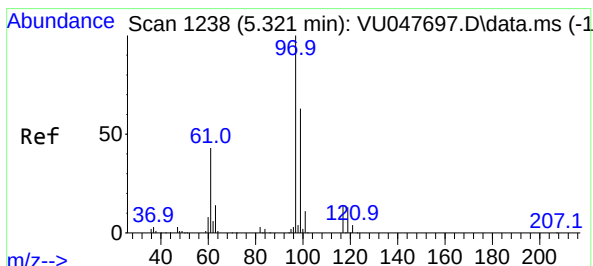
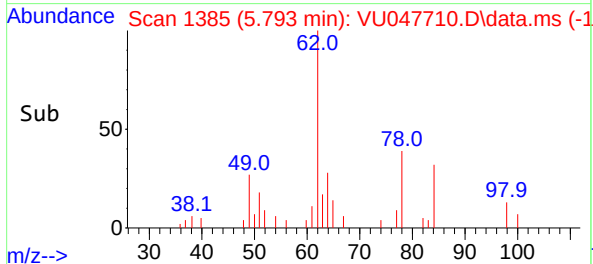
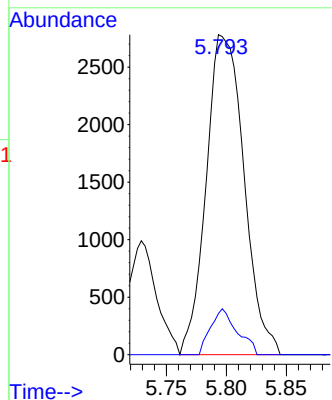
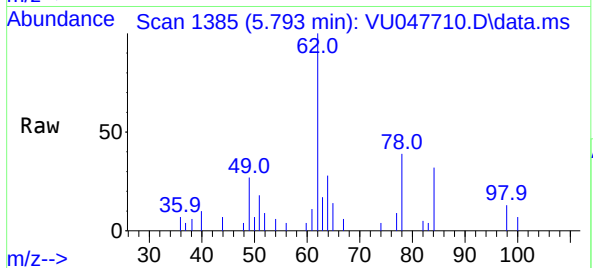




#27
1,2-Dichloroethane
Concen: 1.793 ug/L
RT: 5.793 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

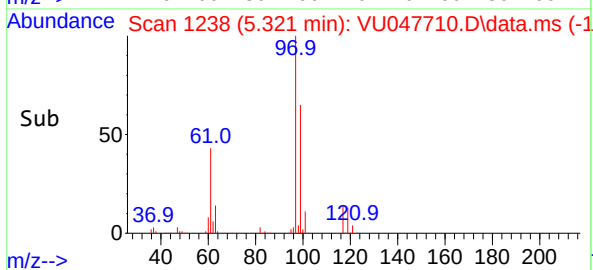
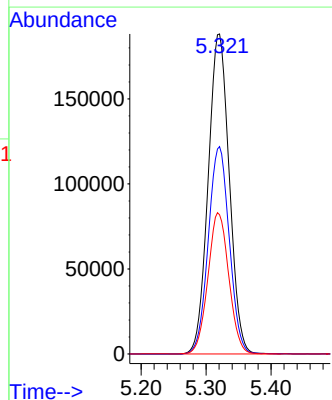
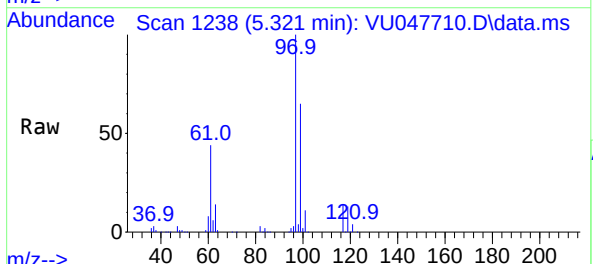
Instrument :
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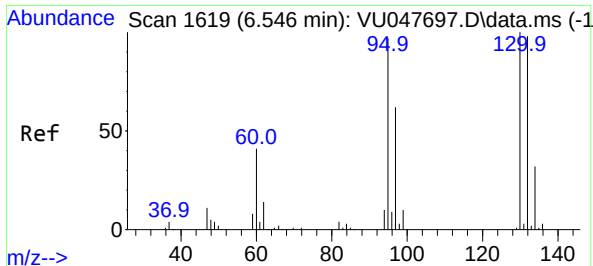
Tgt Ion: 62 Resp: 6089
Ion Ratio Lower Upper
62 100
98 12.9 7.4 11.0#



#30
1,1,1-Trichloroethane
Concen: 114.622 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

Tgt Ion: 97 Resp: 424574
Ion Ratio Lower Upper
97 100
99 64.6 51.6 77.4
61 43.8 34.2 51.4

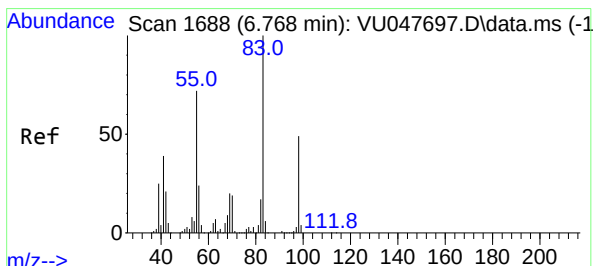
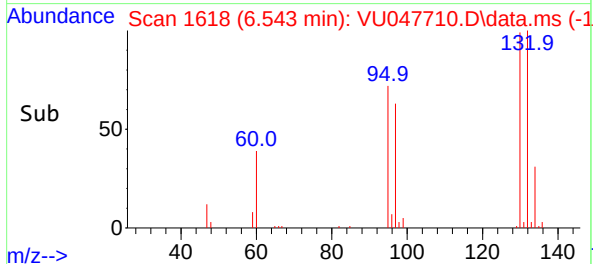
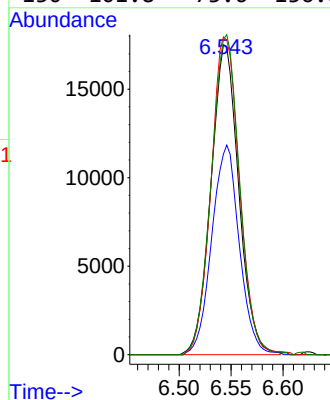
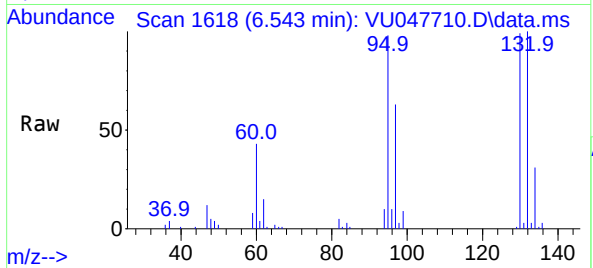




#34
Trichloroethene
Concen: 13.152 ug/L
RT: 6.543 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

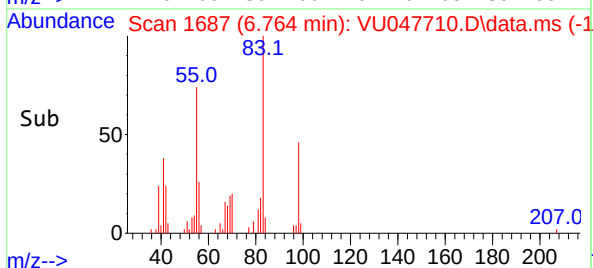
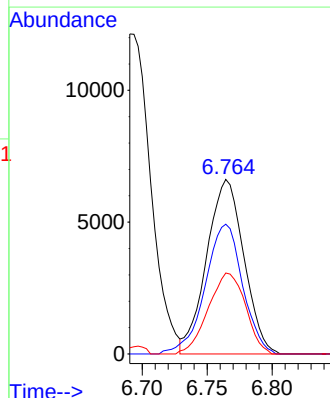
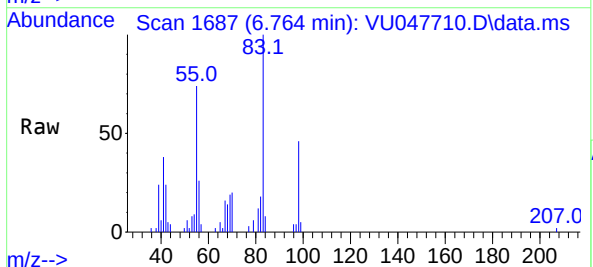
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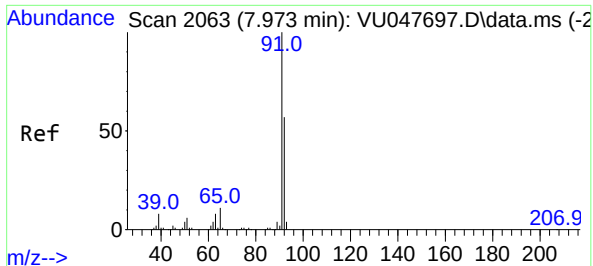
Tgt Ion: 95 Resp: 32603
Ion Ratio Lower Upper
95 100
97 64.7 44.7 82.9
132 102.6 70.4 130.8
130 101.8 73.6 136.8



#35
Methylcyclohexane
Concen: 3.500 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.003 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

Tgt Ion: 83 Resp: 13201
Ion Ratio Lower Upper
83 100
55 74.7 56.8 85.2
98 46.2 38.1 57.1





#42

Toluene

Concen: 9.332 ug/L

RT: 7.970 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU047710.D

Acq: 26 Mar 2022 15:42

Instrument :

MSVOA_U

ClientSampleId :

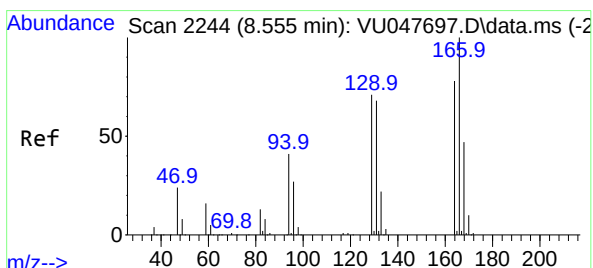
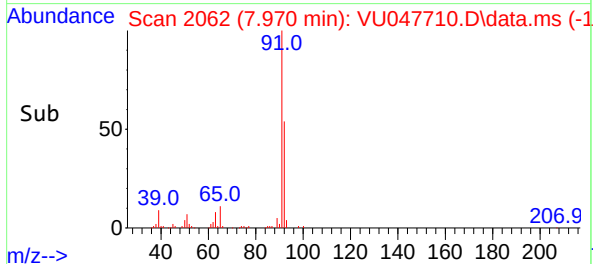
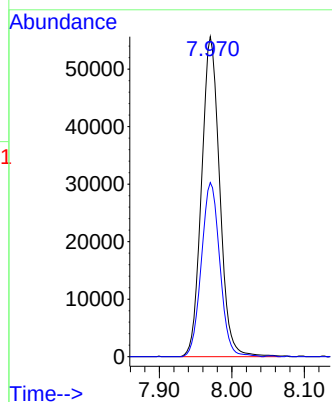
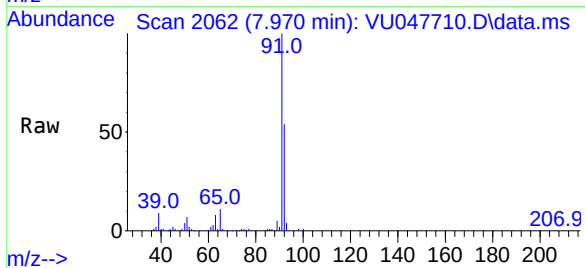
EW5X5

Tgt Ion: 91 Resp: 96824

Ion Ratio Lower Upper

91 100

92 54.4 40.4 75.0



#46

Tetrachloroethene

Concen: 30.962 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.003 min

Lab File: VU047710.D

Acq: 26 Mar 2022 15:42

Tgt Ion: 164 Resp: 68975

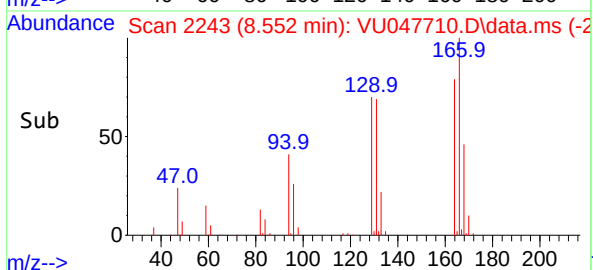
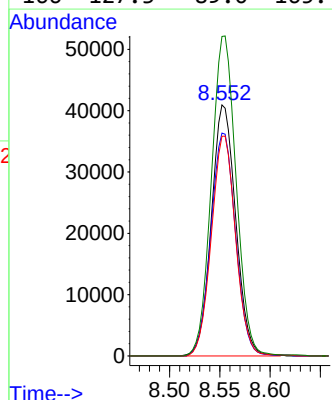
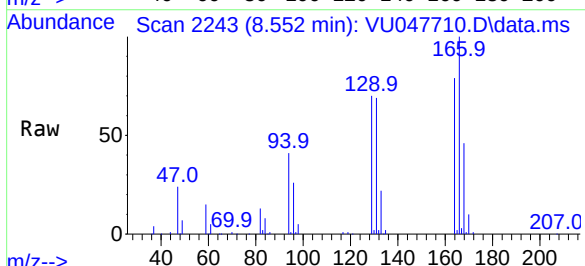
Ion Ratio Lower Upper

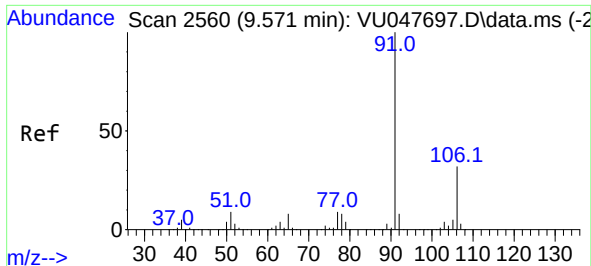
164 100

129 88.8 62.4 116.0

131 87.5 60.7 112.7

166 127.3 89.0 165.4

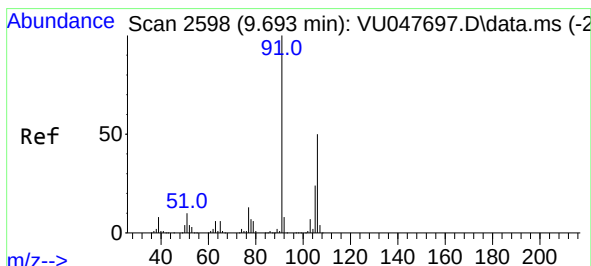
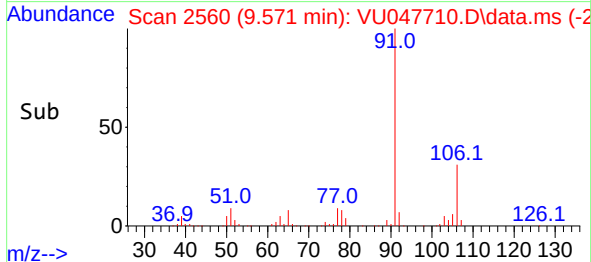
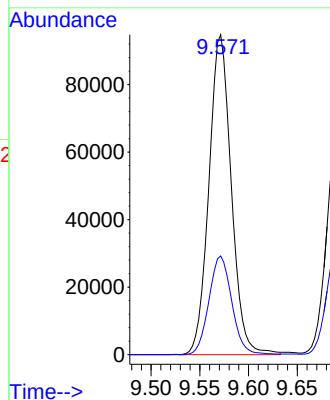
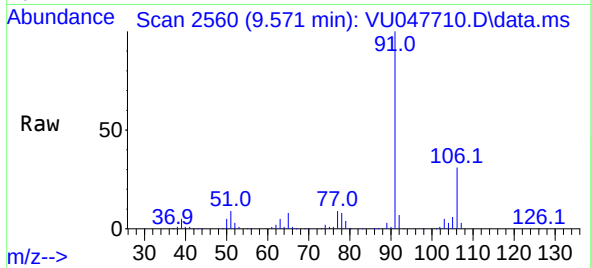




#52
Ethylbenzene
Concen: 13.888 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

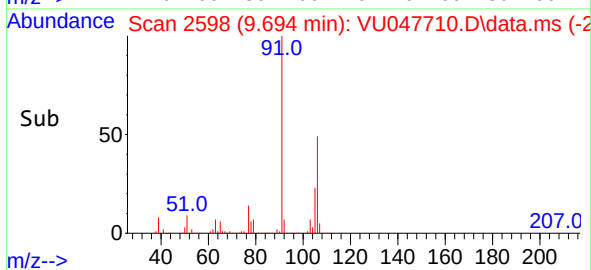
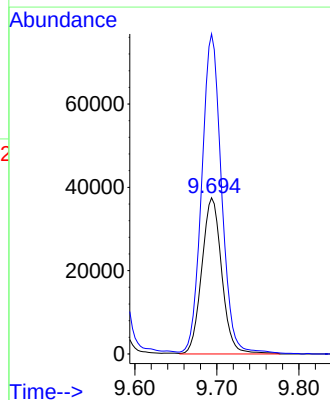
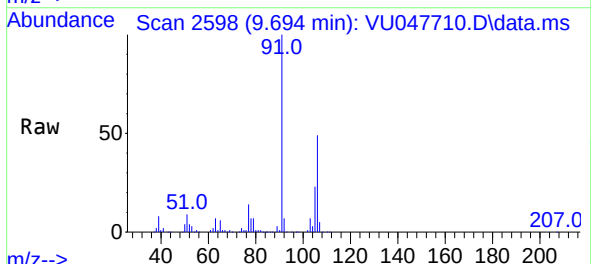
Instrument :
MSVOA_U
ClientSampleId :
EW5X5

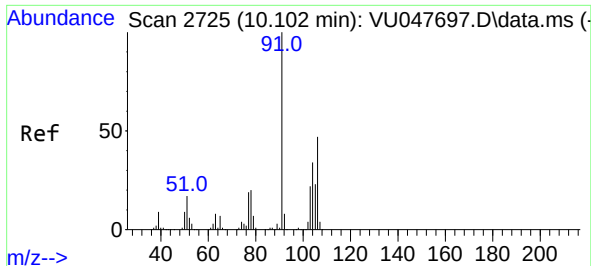
Tgt Ion: 91 Resp: 151506
Ion Ratio Lower Upper
91 100
106 30.8 22.4 41.6



#53
m,p-Xylene
Concen: 14.820 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

Tgt Ion: 106 Resp: 63437
Ion Ratio Lower Upper
106 100
91 205.0 137.7 255.7

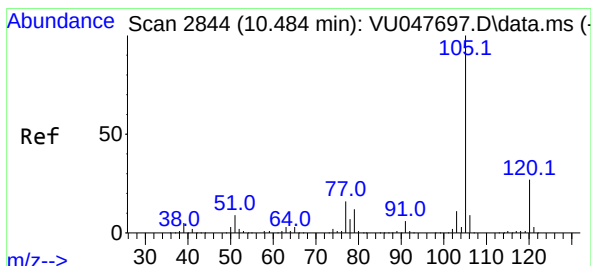
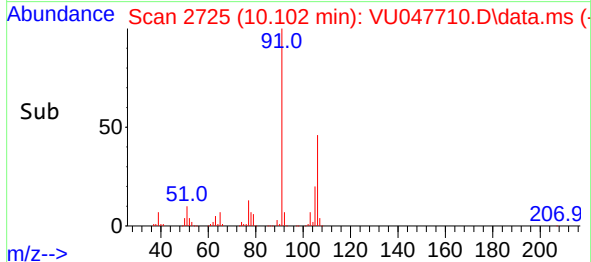
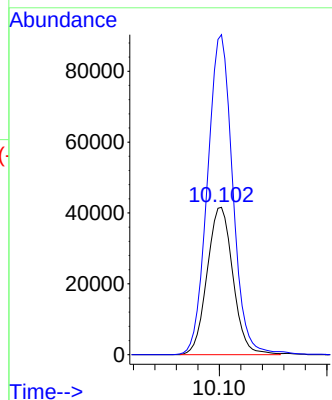
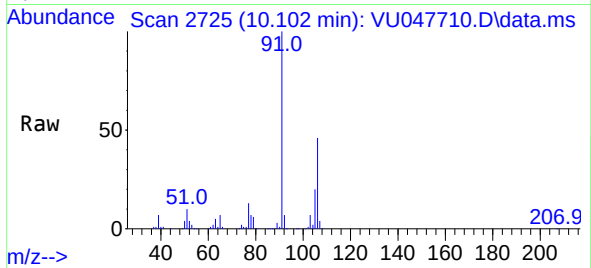




#54
o-Xylene
Concen: 16.532 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

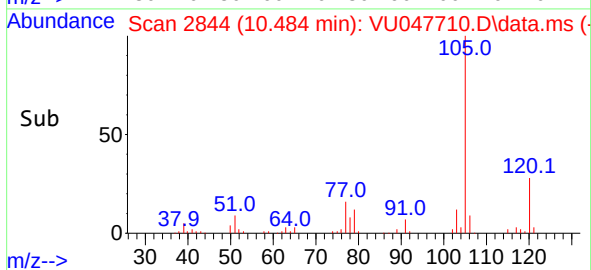
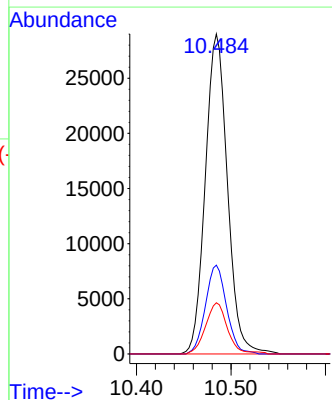
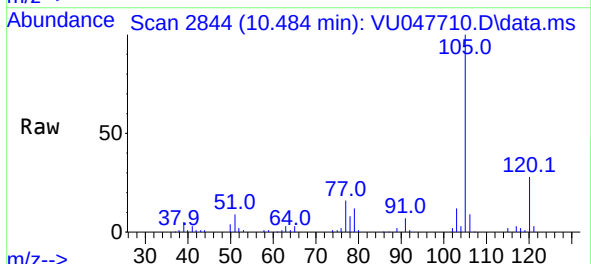
Instrument :
MSVOA_U
ClientSampleId :
EW5X5

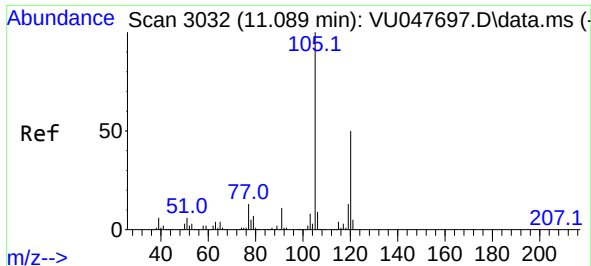
Tgt Ion:106 Resp: 69452
Ion Ratio Lower Upper
106 100
91 217.1 146.7 272.5



#61
Isopropylbenzene
Concen: 4.396 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

Tgt Ion:105 Resp: 47197
Ion Ratio Lower Upper
105 100
120 26.5 21.9 32.9
77 15.5 12.1 18.1

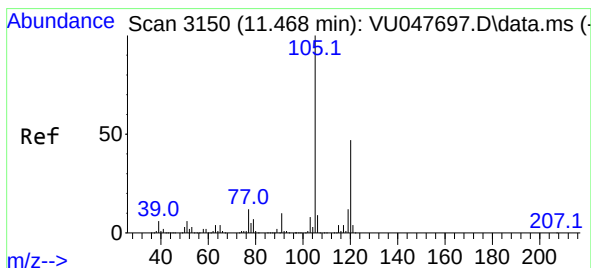
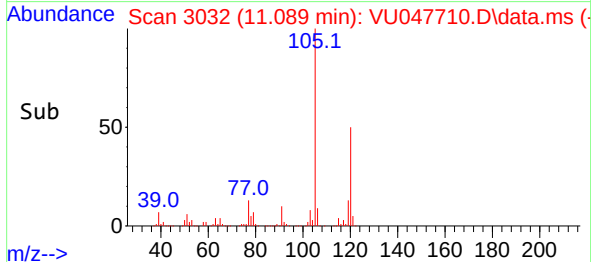
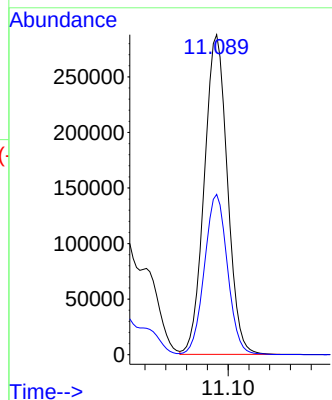
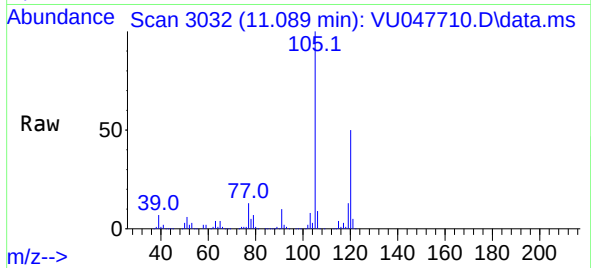




#62
1,3,5-Trimethylbenzene
Concen: 76.221 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

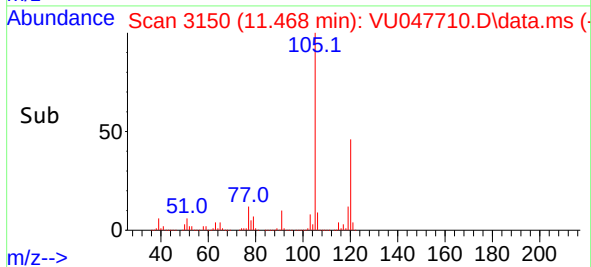
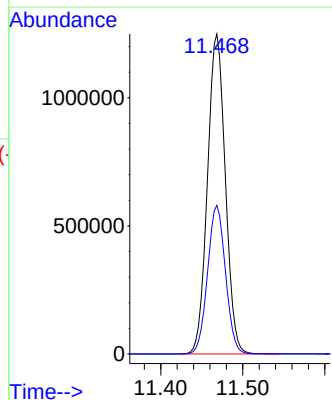
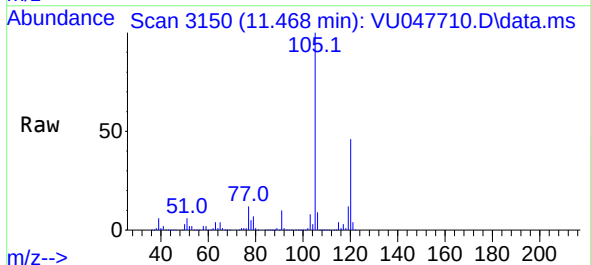
Instrument :
MSVOA_U
ClientSampleId :
EW5X5

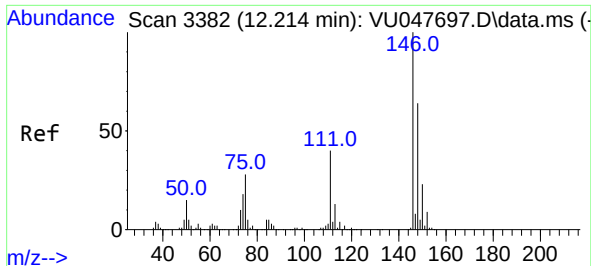
Tgt Ion:105 Resp: 444040
Ion Ratio Lower Upper
105 100
120 50.2 40.8 61.2



#63
1,2,4-Trimethylbenzene
Concen: 213.224 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047710.D
Acq: 26 Mar 2022 15:42

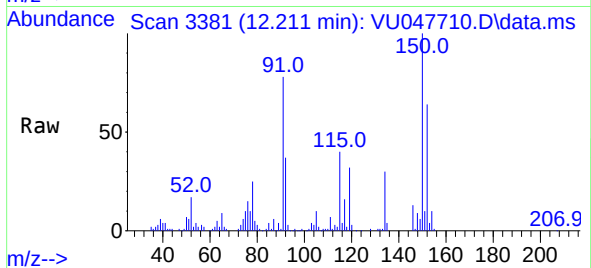
Tgt Ion:105 Resp: 1886843
Ion Ratio Lower Upper
105 100
120 46.6 37.6 56.4





#67
 1,2-Dichlorobenzene
 Concen: 1.292 ug/L
 RT: 12.211 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU047710.D
 Acq: 26 Mar 2022 15:42

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X5



Tgt Ion:146 Resp: 7716

Ion	Ratio	Lower	Upper
146	100		
111	54.8	31.7	47.5#
148	70.8	51.4	77.2

