

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U032622\
 Data File : VU047707.D
 Acq On : 26 Mar 2022 14:34
 Operator : SY/MD
 Sample : N2081-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X3

Quant Time: Mar 28 05:08:33 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	277655	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	283922	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	166055	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	69154	34.346	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.700%
7) Chloroethane-d5	1.916	69	61219	38.560	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.120%
11) 1,1-Dichloroethene-d2	2.572	63	104141	28.270	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.540%#
21) 2-Butanone-d5	4.633	46	171644	99.320	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.320%
24) Chloroform-d	5.067	84	159579	43.316	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.640%
26) 1,2-Dichloroethane-d4	5.703	65	100722	44.577	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.160%
32) Benzene-d6	5.729	84	304571	42.631	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.260%
36) 1,2-Dichloropropane-d6	6.690	67	101410	46.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.440%
41) Toluene-d8	7.899	98	275784	39.621	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.240%#
43) trans-1,3-Dichloroprop...	8.182	79	47106	42.378	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.760%
47) 2-Hexanone-d5	8.636	63	122891	95.679	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.680%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	169148	44.922	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.840%
66) 1,2-Dichlorobenzene-d4	12.192	152	136037	46.047	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.100%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	12485	4.973	ug/L	92
8) Chloroethane	1.938	64	230841	146.463	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	978	0.478	ug/L #	18
12) 1,1-Dichloroethene	2.585	96	8111	4.259	ug/L #	1
13) Acetone	2.646	43	13324	8.285	ug/L	90
17) trans-1,2-Dichloroethene	3.359	96	2485	1.210	ug/L	98
19) 1,1-Dichloroethane	3.874	63	446103	125.913	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	298669	132.616	ug/L	96
22) 2-Butanone	4.723	43	9521	4.596	ug/L #	56
30) 1,1,1-Trichloroethane	5.321	97	199664	62.019	ug/L	99
31) Carbon tetrachloride	5.318	117	27662	9.515	ug/L	99
34) Trichloroethene	6.543	95	17933	8.323	ug/L	94
37) 1,2-Dichloropropane	6.694	63	10606	5.077	ug/L #	87
44) trans-1,3-Dichloropropene	8.179	75	2221	0.686	ug/L #	67
46) Tetrachloroethene	8.552	164	50692	26.181	ug/L	98
52) Ethylbenzene	9.571	91	27368	2.886	ug/L	98
53) m,p-Xylene	9.697	106	3888	1.045	ug/L	97
54) o-Xylene	10.102	106	14131	3.870	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	34186	7.021	ug/L	96

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

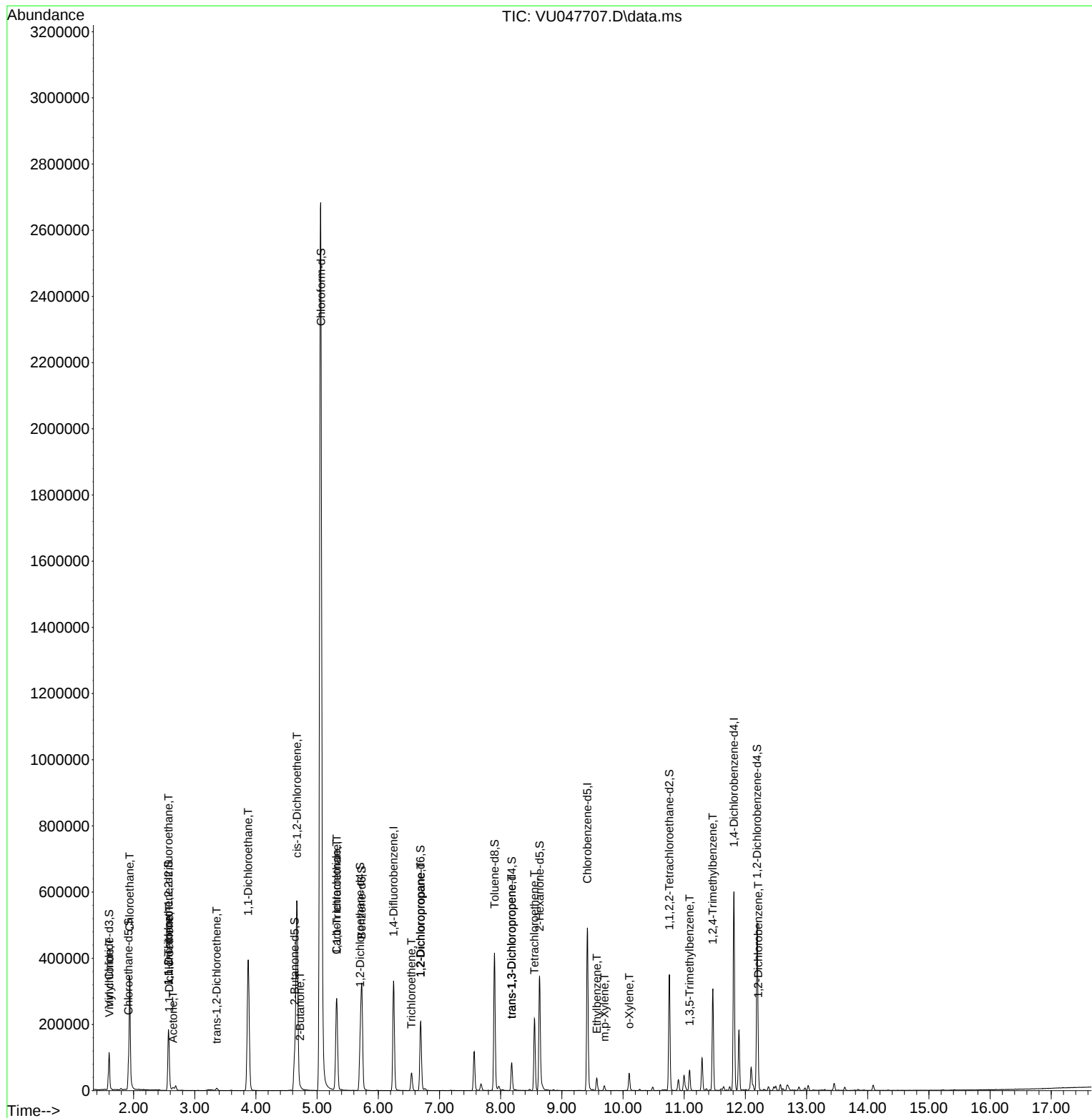
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.468	105	167379	22.630	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	4638	0.929	ug/L	96

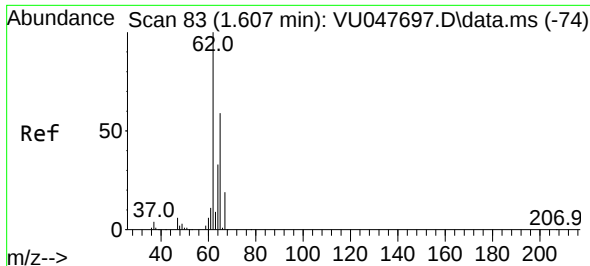
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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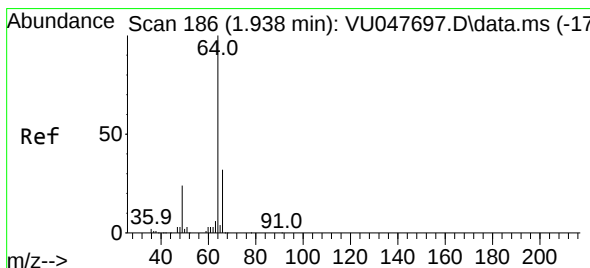
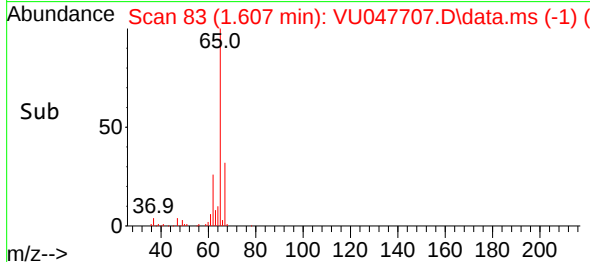
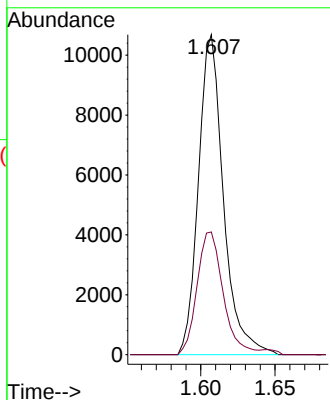
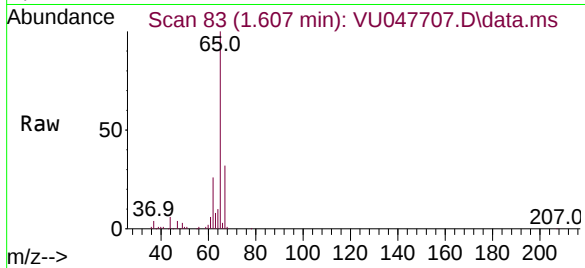




#5
 Vinyl chloride
 Concen: 4.973 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU047707.D
 Acq: 26 Mar 2022 14:34

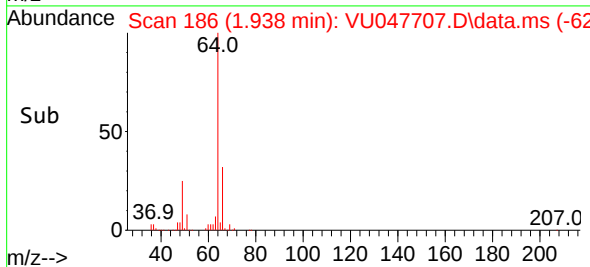
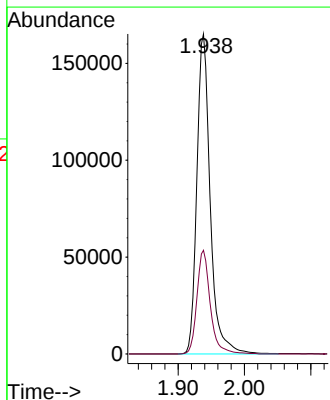
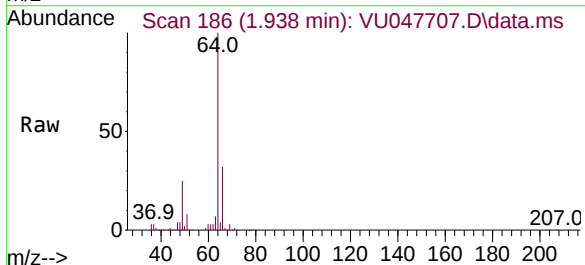
Instrument :
 MSVOA_U
 ClientSampleId :
 EW5X3

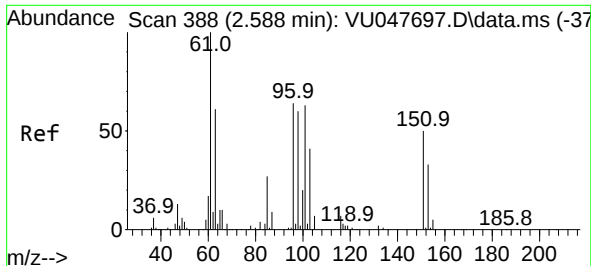
Tgt Ion: 62 Resp: 12485
 Ion Ratio Lower Upper
 62 100
 64 38.4 23.7 43.9



#8
 Chloroethane
 Concen: 146.463 ug/L
 RT: 1.938 min Scan# 186
 Delta R.T. 0.000 min
 Lab File: VU047707.D
 Acq: 26 Mar 2022 14:34

Tgt Ion: 64 Resp: 230841
 Ion Ratio Lower Upper
 64 100
 66 32.4 23.3 43.3

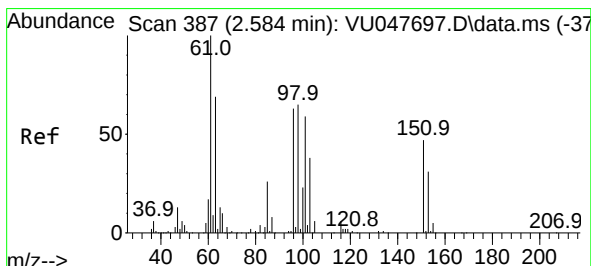
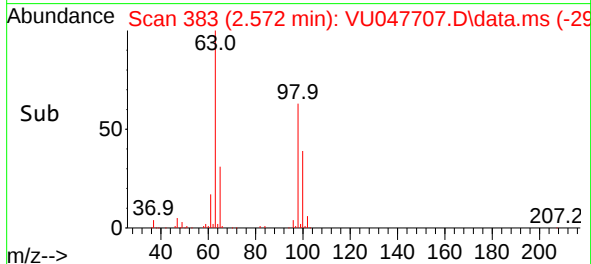
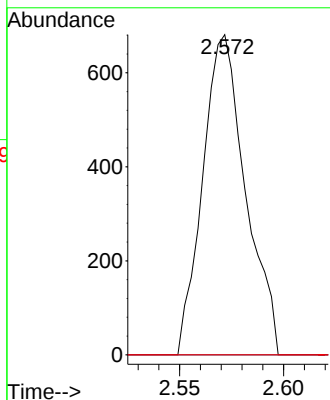
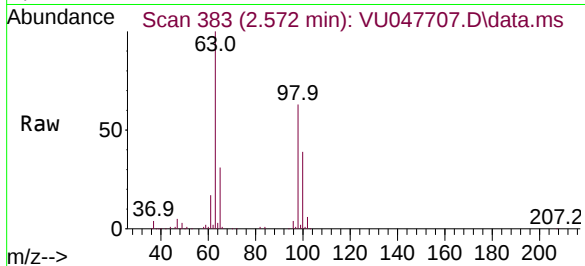




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.478 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU047707.D
Acq: 26 Mar 2022 14:34

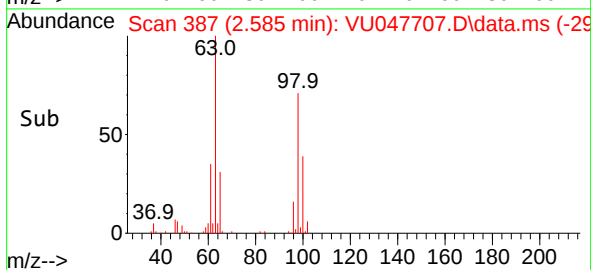
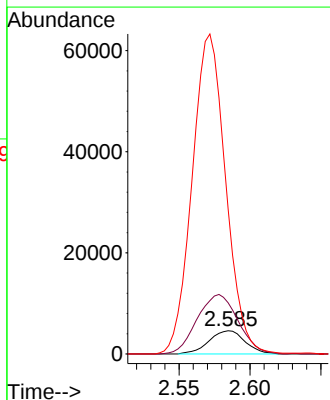
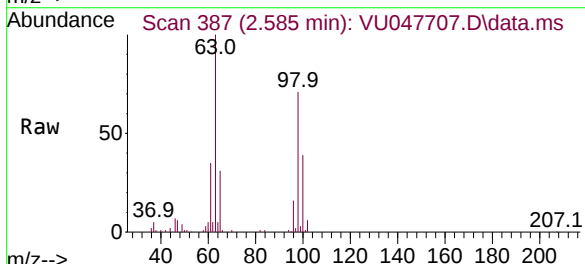
Instrument :
MSVOA_U
ClientSampleId :
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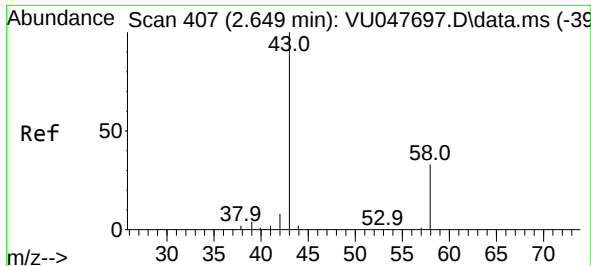
Tgt Ion:101 Resp: 978
Ion Ratio Lower Upper
101 100
85 0.0 32.8 49.2#
151 0.0 63.0 94.6#



#12
1,1-Dichloroethene
Concen: 4.259 ug/L
RT: 2.585 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU047707.D
Acq: 26 Mar 2022 14:34

Tgt Ion: 96 Resp: 8111
Ion Ratio Lower Upper
96 100
61 220.8 113.1 210.1#
63 626.5 94.8 176.0#





#13

Acetone

Concen: 8.285 ug/L

RT: 2.646 min Scan# 407

Delta R.T. -0.003 min

Lab File: VU047707.D

Acq: 26 Mar 2022 14:34

Instrument :

MSVOA_U

ClientSampleId :

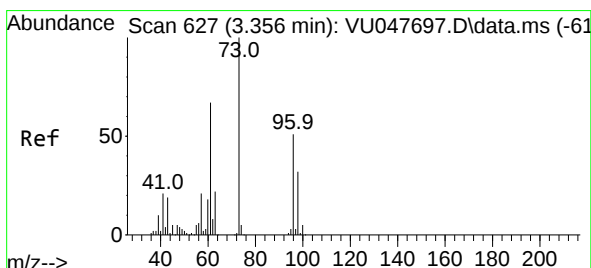
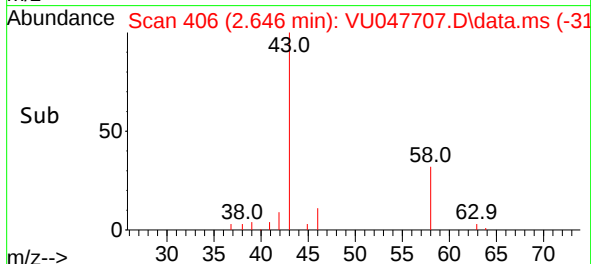
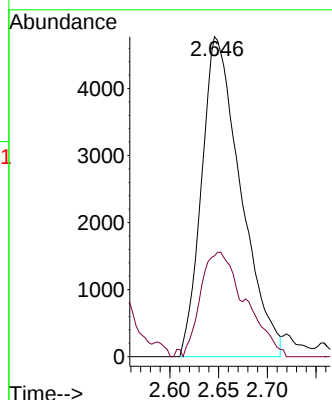
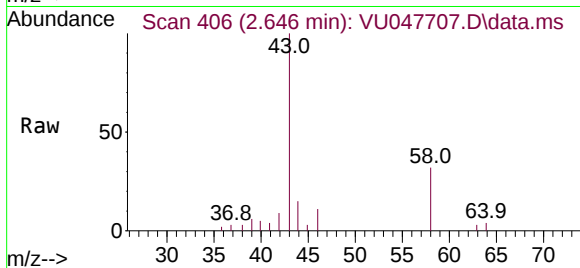
EW5X3

Tgt Ion: 43 Resp: 13324

Ion Ratio Lower Upper

43 100

58 29.2 0.0 70.0



#17

trans-1,2-Dichloroethene

Concen: 1.210 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.003 min

Lab File: VU047707.D

Acq: 26 Mar 2022 14:34

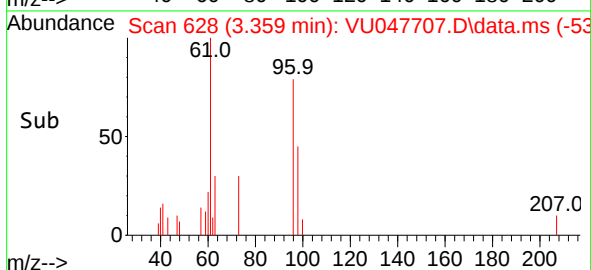
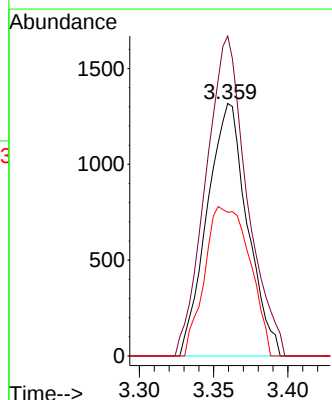
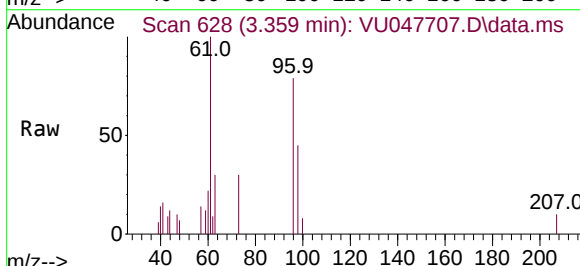
Tgt Ion: 96 Resp: 2485

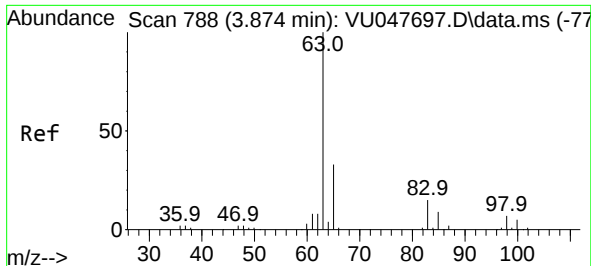
Ion Ratio Lower Upper

96 100

61 126.7 88.4 164.2

98 56.9 43.3 80.5

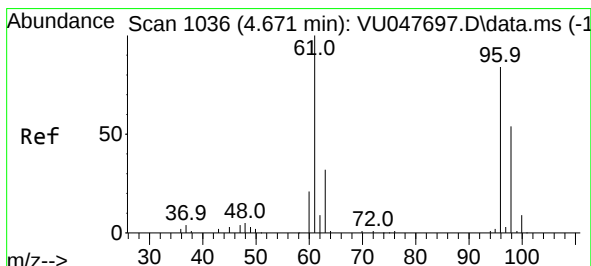
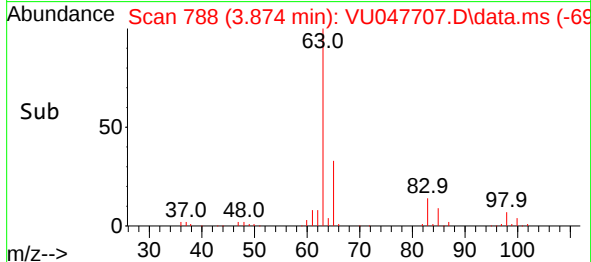
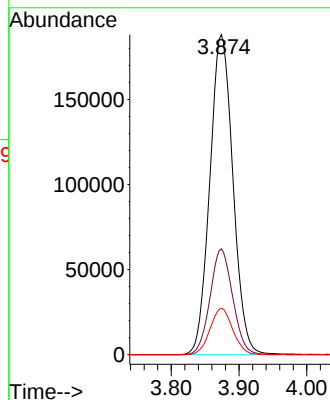
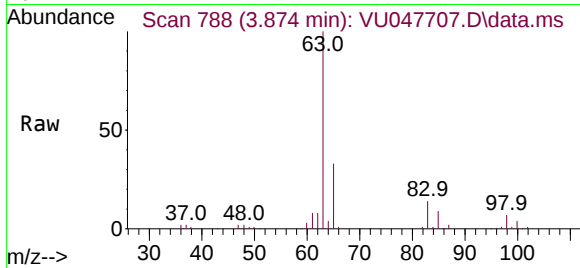




#19
 1,1-Dichloroethane
 Concen: 125.913 ug/L
 RT: 3.874 min Scan# 788
 Delta R.T. 0.000 min
 Lab File: VU047707.D
 Acq: 26 Mar 2022 14:34

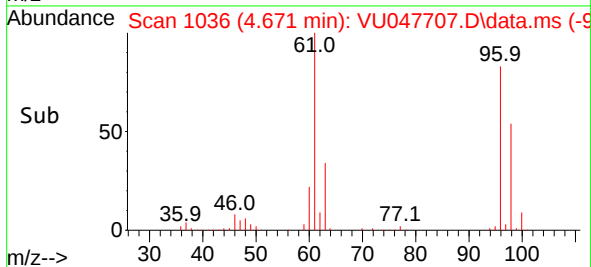
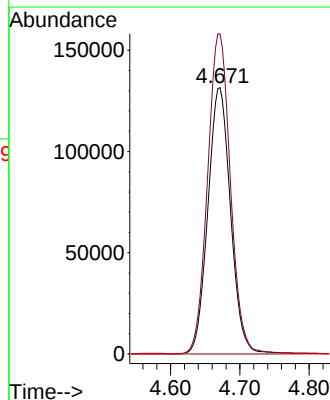
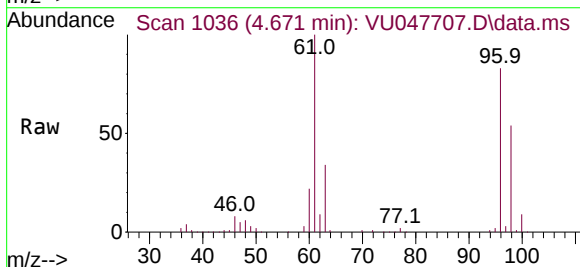
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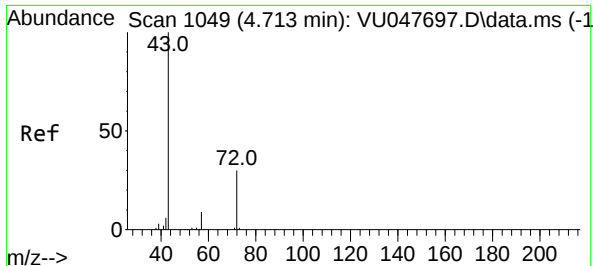
Tgt Ion: 63 Resp: 446103
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.0 41.0
 83 14.5 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 132.616 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU047707.D
 Acq: 26 Mar 2022 14:34

Tgt Ion: 96 Resp: 298669
 Ion Ratio Lower Upper
 96 100
 61 120.1 80.7 149.9
 68 0.0 0.0 0.0

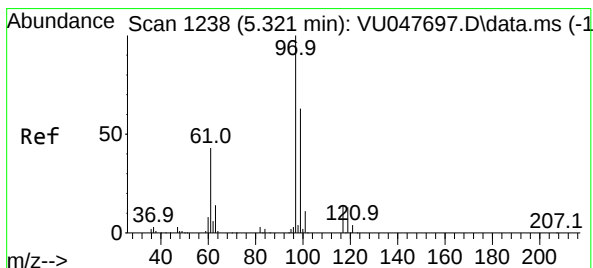
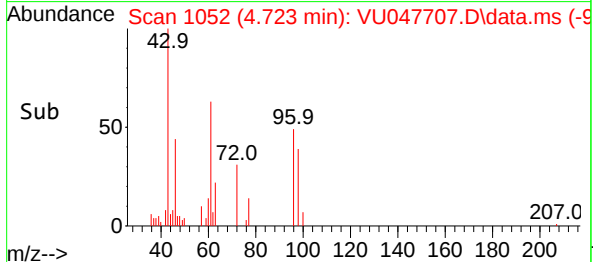
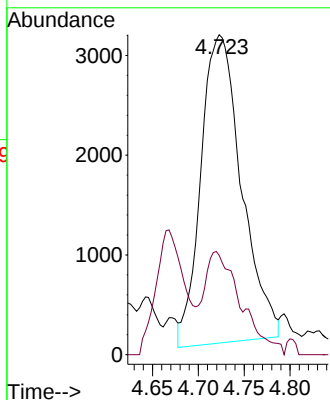
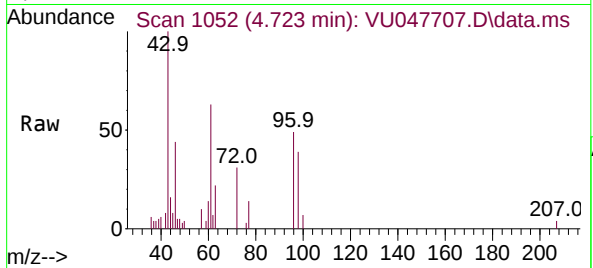




#22
2-Butanone
Concen: 4.596 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. 0.010 min
Lab File: VU047707.D
Acq: 26 Mar 2022 14:34

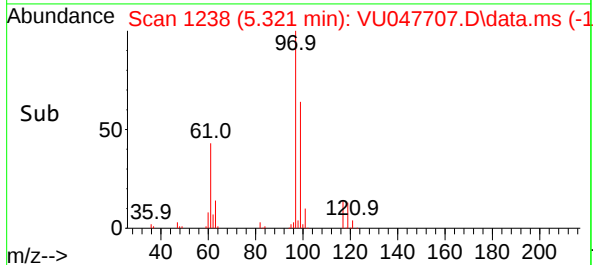
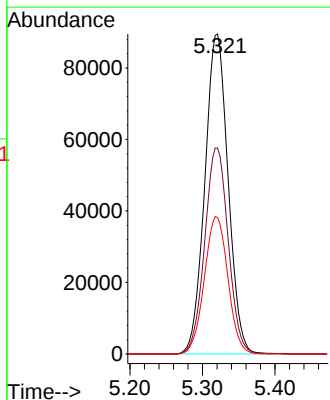
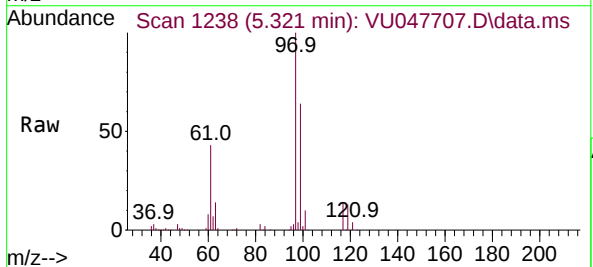
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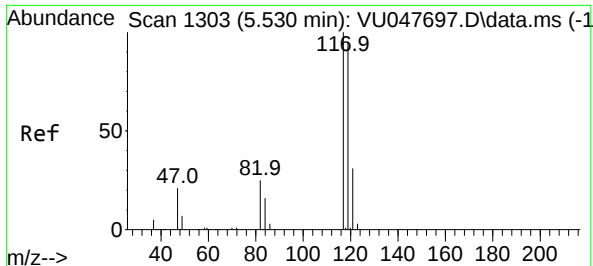
Tgt Ion: 43 Resp: 9521
Ion Ratio Lower Upper
43 100
72 7.6 16.0 47.9#



#30
1,1,1-Trichloroethane
Concen: 62.019 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
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Tgt Ion: 97 Resp: 199664
Ion Ratio Lower Upper
97 100
99 65.2 51.6 77.4
61 43.5 34.2 51.4

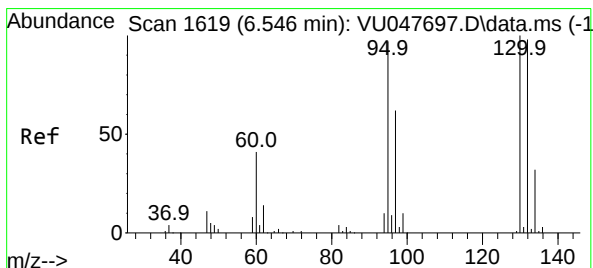
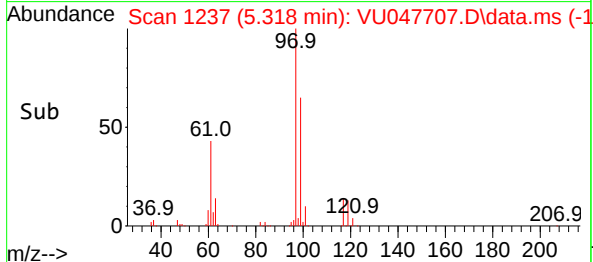
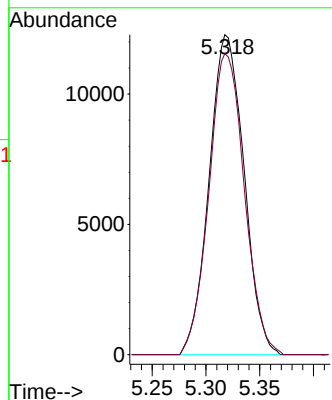
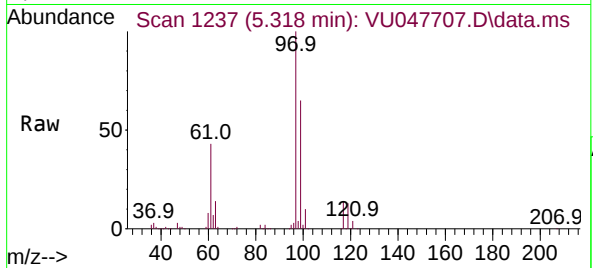




#31
Carbon tetrachloride
Concen: 9.515 ug/L
RT: 5.318 min Scan# 11
Delta R.T. -0.212 min
Lab File: VU047707.D
Acq: 26 Mar 2022 14:34

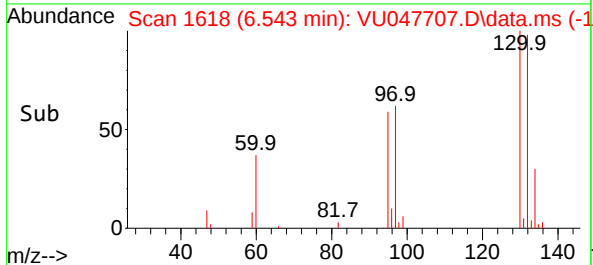
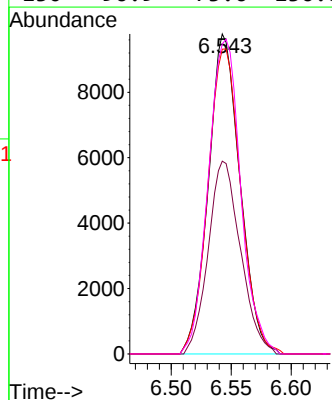
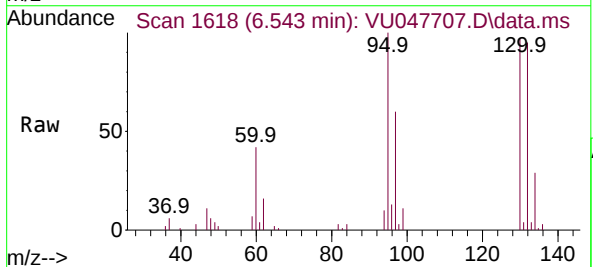
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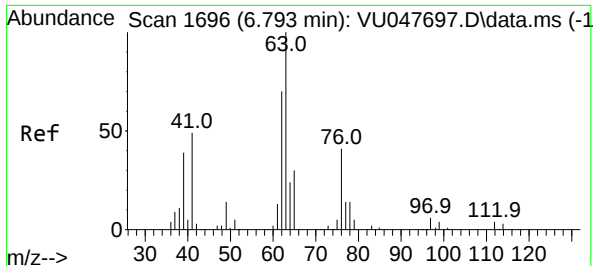
Tgt Ion:117 Resp: 27662
Ion Ratio Lower Upper
117 100
119 95.8 77.2 115.8



#34
Trichloroethene
Concen: 8.323 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU047707.D
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Tgt Ion: 95 Resp: 17933
Ion Ratio Lower Upper
95 100
97 60.2 44.7 82.9
132 95.2 70.4 130.8
130 96.9 73.6 136.8





#37

1,2-Dichloropropane

Concen: 5.077 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU047707.D

Acq: 26 Mar 2022 14:34

Instrument :

MSVOA_U

ClientSampleId :

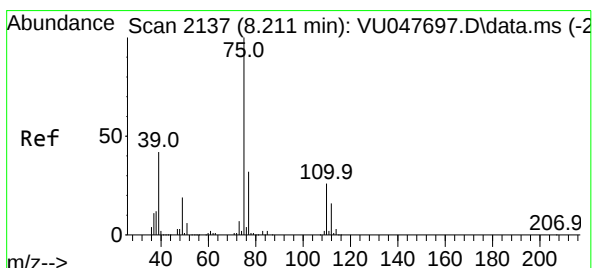
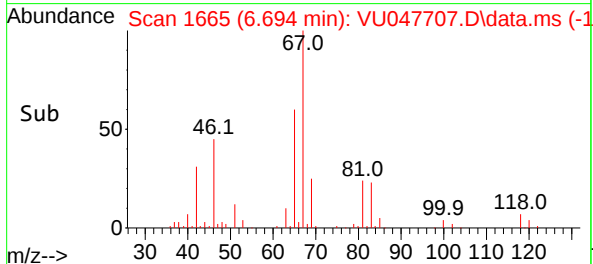
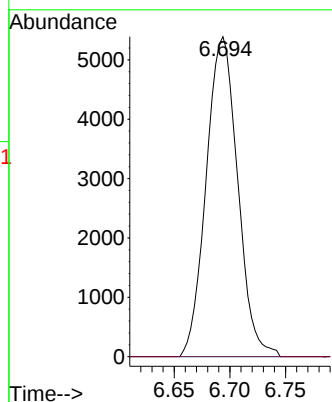
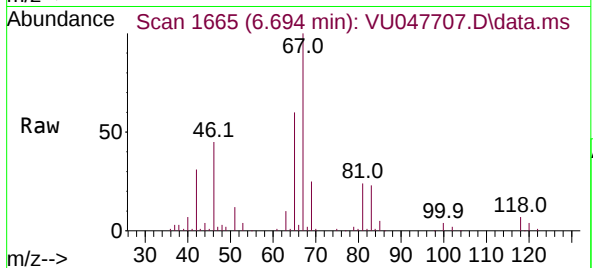
EW5X3

Tgt Ion: 63 Resp: 10606

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#44

trans-1,3-Dichloropropene

Concen: 0.686 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU047707.D

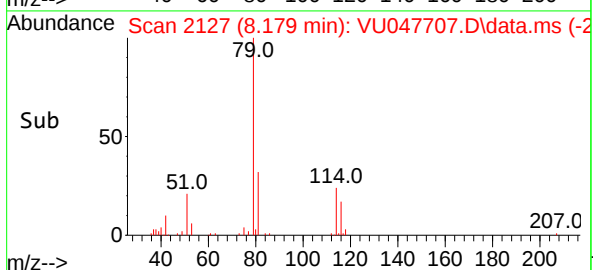
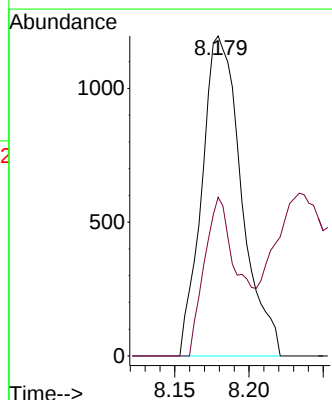
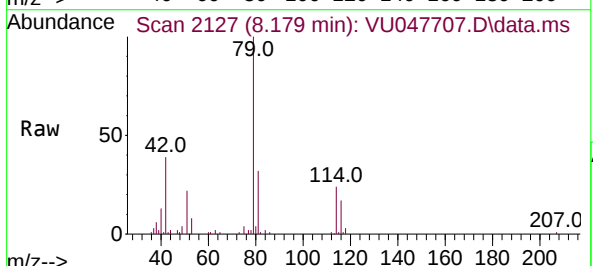
Acq: 26 Mar 2022 14:34

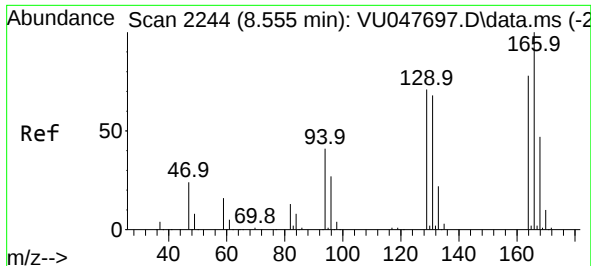
Tgt Ion: 75 Resp: 2221

Ion Ratio Lower Upper

75 100

77 49.6 22.0 40.8#

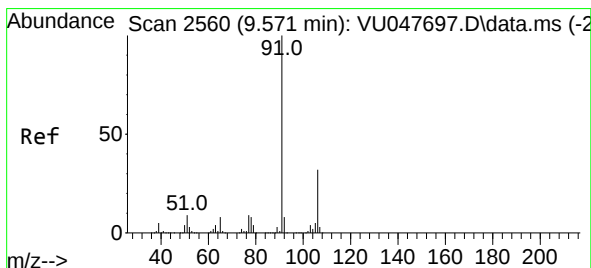
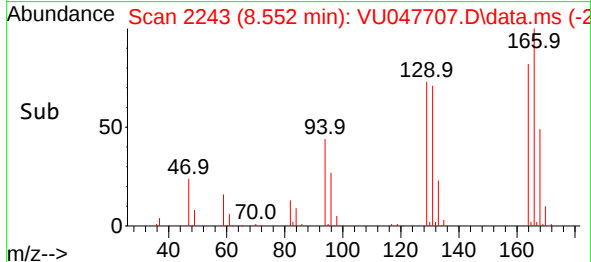
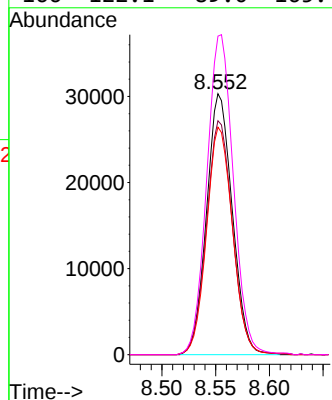
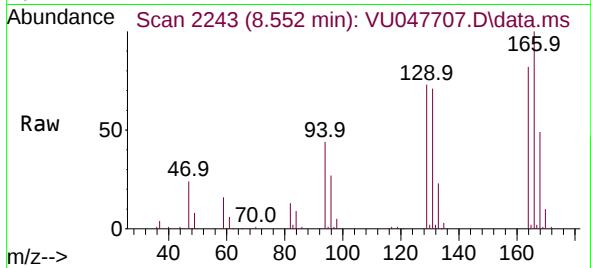




#46
Tetrachloroethene
Concen: 26.181 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU047707.D
Acq: 26 Mar 2022 14:34

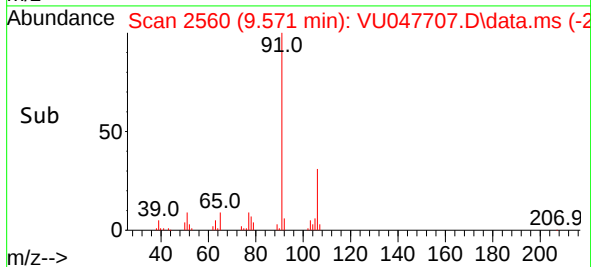
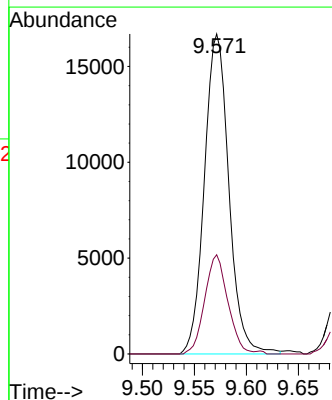
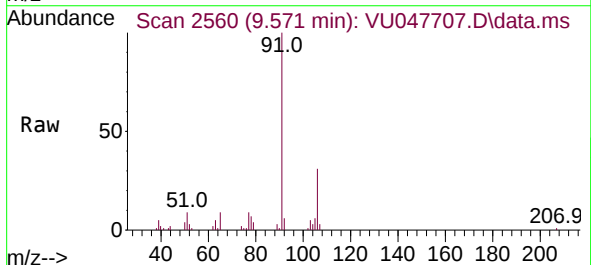
Instrument :
MSVOA_U
ClientSampleId :
EW5X3

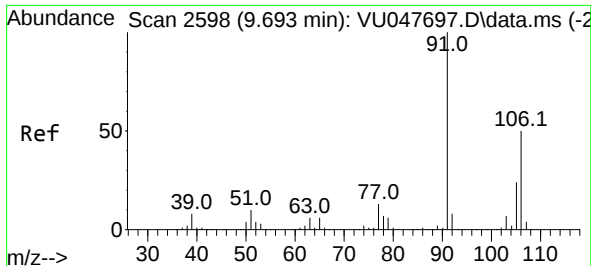
Tgt Ion:164 Resp: 50692
Ion Ratio Lower Upper
164 100
129 89.6 62.4 116.0
131 87.2 60.7 112.7
166 122.1 89.0 165.4



#52
Ethylbenzene
Concen: 2.886 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU047707.D
Acq: 26 Mar 2022 14:34

Tgt Ion: 91 Resp: 27368
Ion Ratio Lower Upper
91 100
106 31.0 22.4 41.6

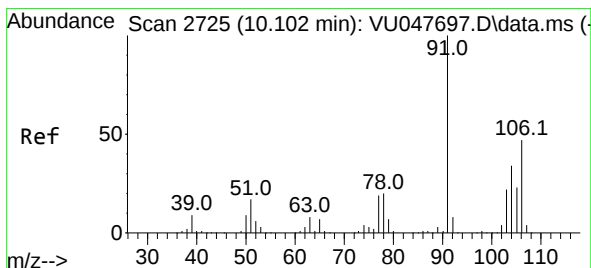
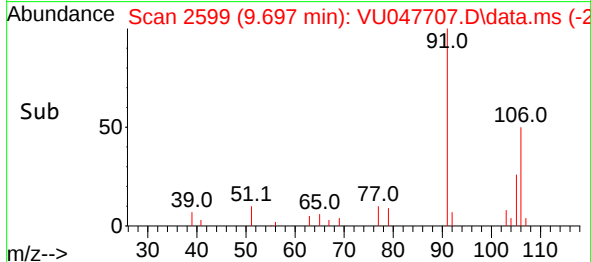
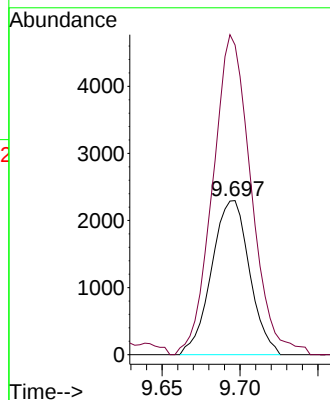
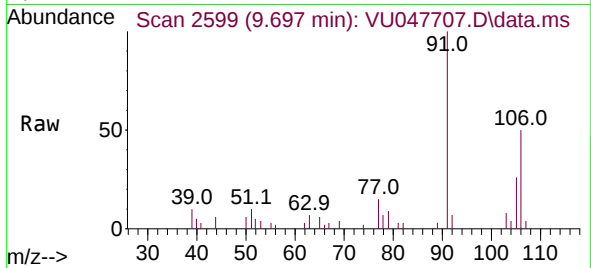




#53
m,p-Xylene
Concen: 1.045 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU047707.D
Acq: 26 Mar 2022 14:34

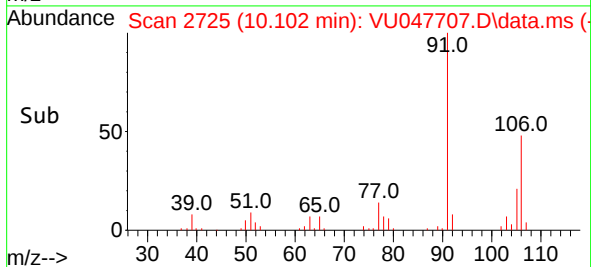
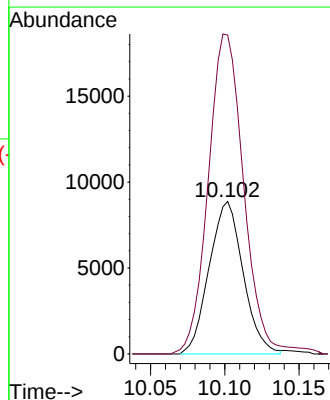
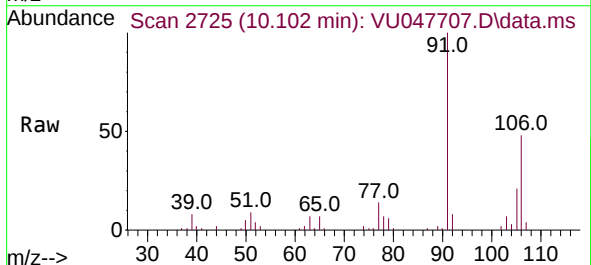
Instrument :
MSVOA_U
ClientSampleId :
EW5X3

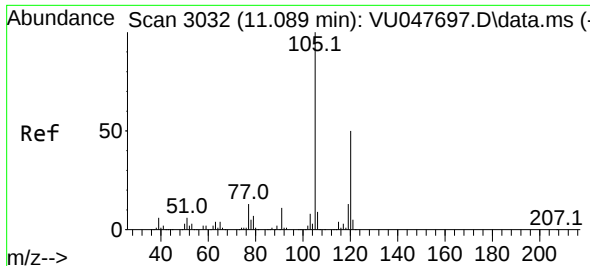
Tgt Ion:106 Resp: 3888
Ion Ratio Lower Upper
106 100
91 200.9 137.7 255.7



#54
o-Xylene
Concen: 3.870 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047707.D
Acq: 26 Mar 2022 14:34

Tgt Ion:106 Resp: 14131
Ion Ratio Lower Upper
106 100
91 209.1 146.7 272.5

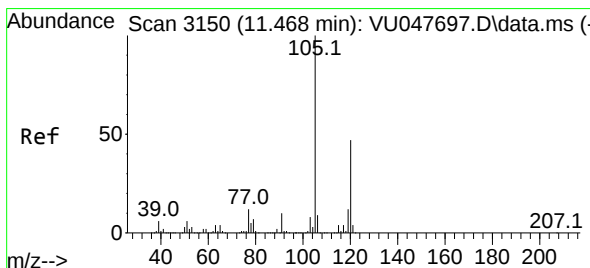
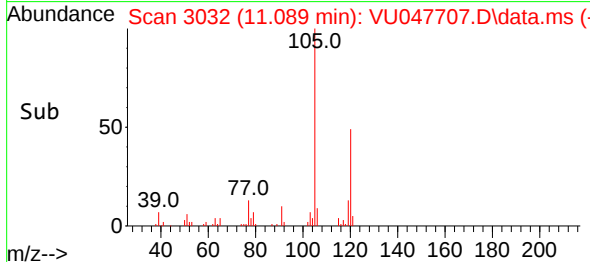
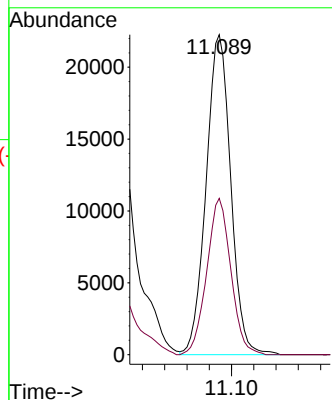
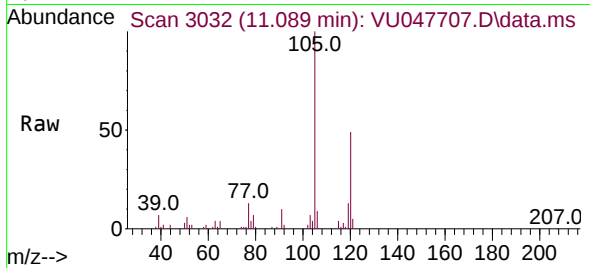




#62
1,3,5-Trimethylbenzene
Concen: 7.021 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047707.D
Acq: 26 Mar 2022 14:34

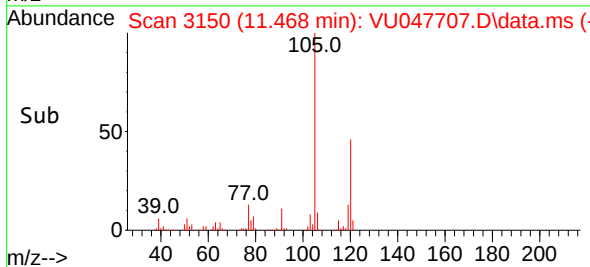
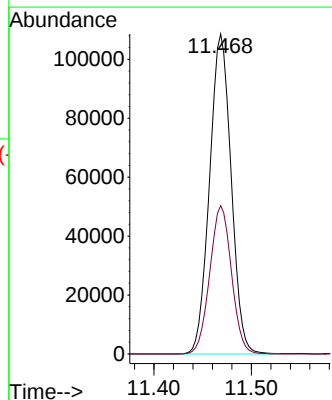
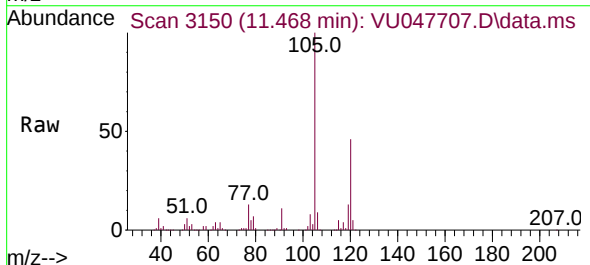
Instrument :
MSVOA_U
ClientSampleId :
EW5X3

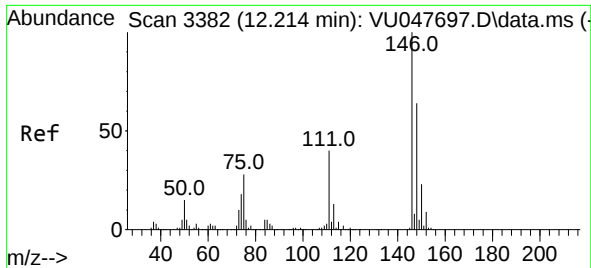
Tgt Ion:105 Resp: 34186
Ion Ratio Lower Upper
105 100
120 47.9 40.8 61.2



#63
1,2,4-Trimethylbenzene
Concen: 22.630 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047707.D
Acq: 26 Mar 2022 14:34

Tgt Ion:105 Resp: 167379
Ion Ratio Lower Upper
105 100
120 46.5 37.6 56.4





#67

1,2-Dichlorobenzene

Concen: 0.929 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU047707.D

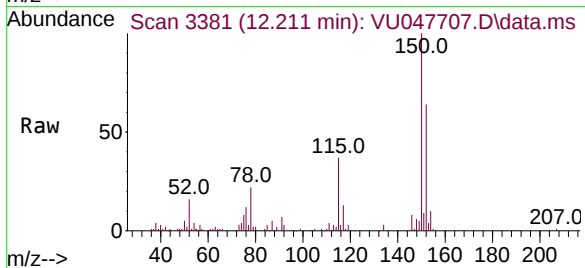
Acq: 26 Mar 2022 14:34

Instrument :

MSVOA_U

ClientSampleId :

EW5X3



Tgt Ion:146 Resp: 4638

Ion Ratio Lower Upper

146 100

111 44.3 31.7 47.5

148 65.4 51.4 77.2

