

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U032422\
 Data File : U047656.D
 Acq On : 25 Mar 2022 00:32
 Operator : SY/MD
 Sample : N2081-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y2

Quant Time: Mar 25 05:30:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 24 23:34:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	310569	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	317829	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	167794	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	97985	43.508	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.020%
7) Chloroethane-d5	1.919	69	77341	43.552	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.100%
11) 1,1-Dichloroethene-d2	2.572	63	157195	38.150	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.300%
21) 2-Butanone-d5	4.649	46	206171	106.655	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.660%
24) Chloroform-d	5.067	84	191180	46.394	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.780%
26) 1,2-Dichloroethane-d4	5.703	65	121530	48.085	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.180%
32) Benzene-d6	5.729	84	389239	48.670	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.340%
36) 1,2-Dichloropropane-d6	6.694	67	122517	49.883	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.760%
41) Toluene-d8	7.899	98	364640	46.797	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.179	79	58598	47.093	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.180%
47) 2-Hexanone-d5	8.636	63	147430	102.539	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.540%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	194201	46.073	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.140%
66) 1,2-Dichlorobenzene-d4	12.192	152	160854	53.884	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.760%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	83337	29.675	ug/L	99
8) Chloroethane	1.938	64	609157	345.535	ug/L	99
9) Trichlorofluoromethane	2.144	101	4515	1.140	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1669	0.729	ug/L #	18
17) trans-1,2-Dichloroethene	3.359	96	12597	5.482	ug/L	98
19) 1,1-Dichloroethane	3.874	63	1376863	347.435	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	1117663	443.673	ug/L	95
27) 1,2-Dichloroethane	5.797	62	4854	1.473	ug/L #	93
30) 1,1,1-Trichloroethane	5.321	97	3014122	836.361	ug/L	100
33) Benzene	5.777	78	9493	1.032	ug/L	100
34) Trichloroethene	6.546	95	21638	8.971	ug/L	96
35) Methylcyclohexane	6.764	83	3388	0.923	ug/L #	91
39) cis-1,3-Dichloropropene	7.568	75	3453	0.952	ug/L #	58
42) Toluene	7.970	91	186699	18.496	ug/L	98
44) trans-1,3-Dichloropropene	8.179	75	2778	0.767	ug/L	96
46) Tetrachloroethene	8.552	164	41777	19.275	ug/L	98
49) Dibromochloromethane	8.552	129	38430	13.377	ug/L #	11
52) Ethylbenzene	9.571	91	55602	5.239	ug/L	100
53) m,p-Xylene	9.690	106	50464	12.117	ug/L	99

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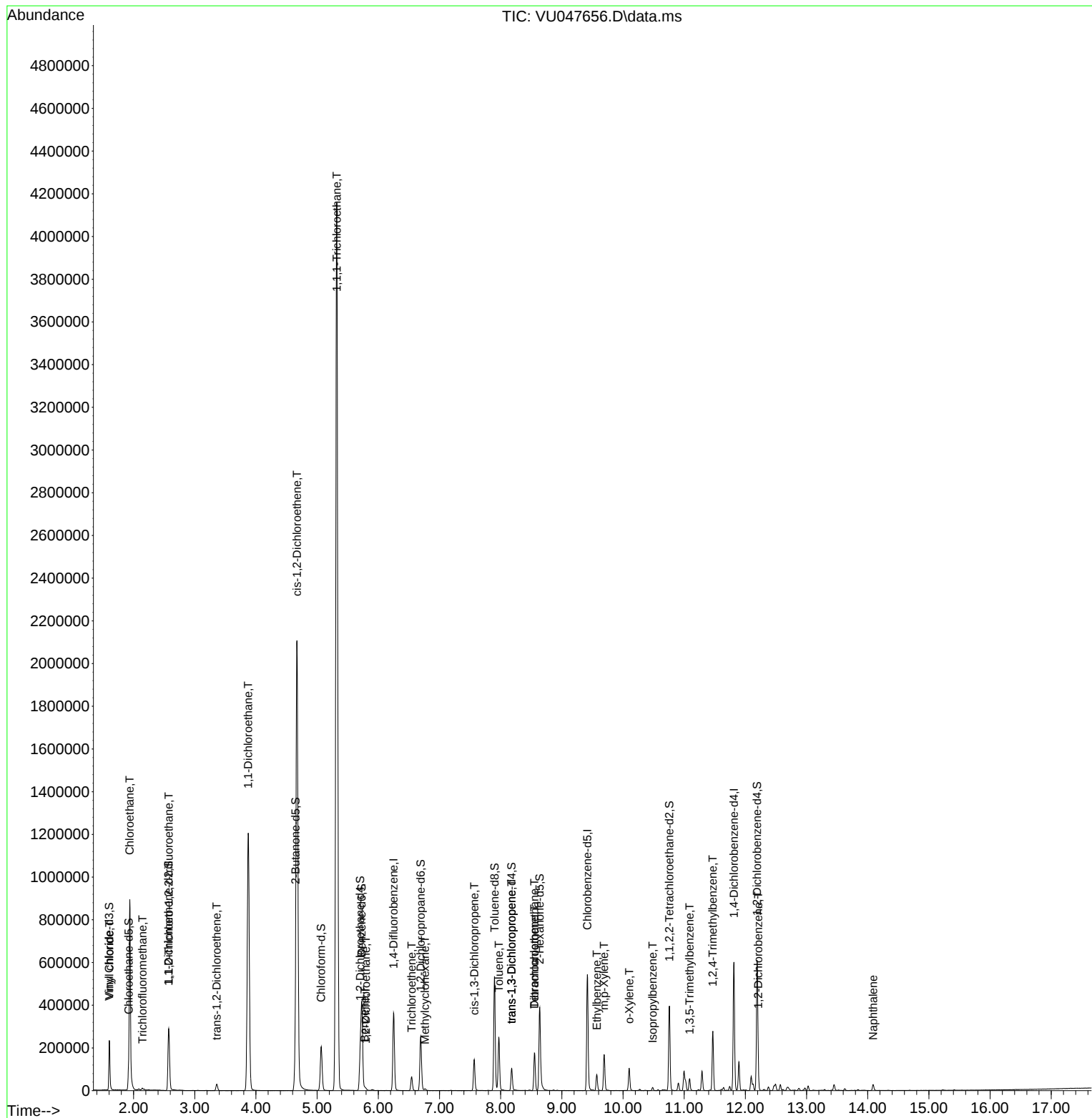
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.102	106	30030	7.347	ug/L	99
61) Isopropylbenzene	10.484	105	10313	1.137	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	30505	6.200	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	152845	20.451	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	8884	1.762	ug/L #	91
71) Naphthalene	14.089	128	25221	2.359	ug/L	99

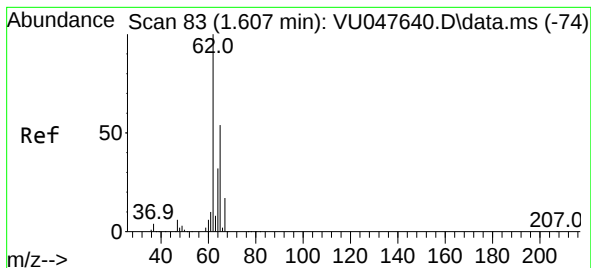
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 29.675 ug/L

RT: 1.607 min Scan# 83

Delta R.T. 0.000 min

Lab File: VU047656.D

Acq: 25 Mar 2022 00:32

Instrument :

MSVOA_U

ClientSampleId :

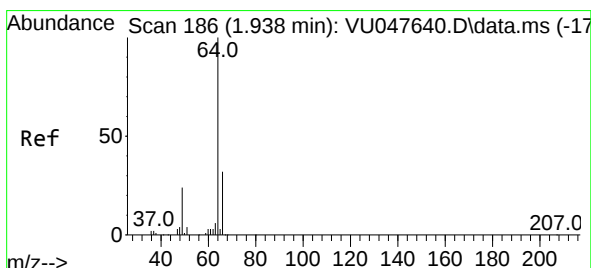
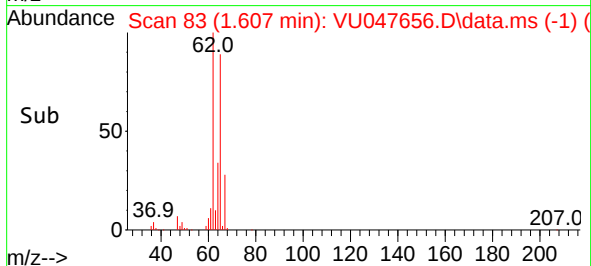
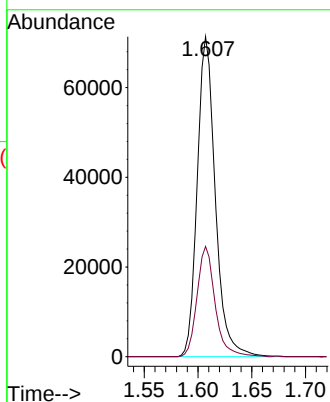
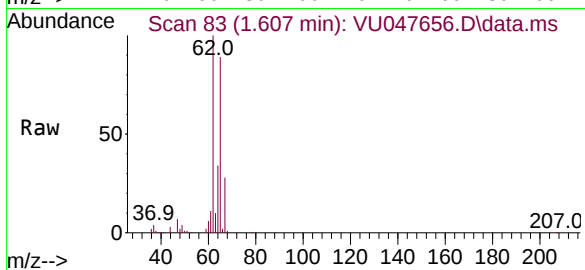
EW5Y2

Tgt Ion: 62 Resp: 83337

Ion Ratio Lower Upper

62 100

64 34.5 23.7 43.9



#8

Chloroethane

Concen: 345.535 ug/L

RT: 1.938 min Scan# 186

Delta R.T. 0.000 min

Lab File: VU047656.D

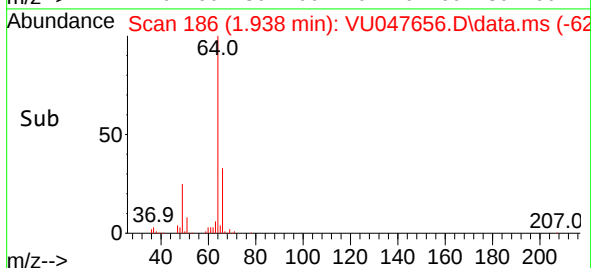
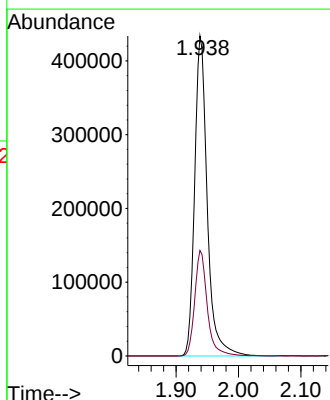
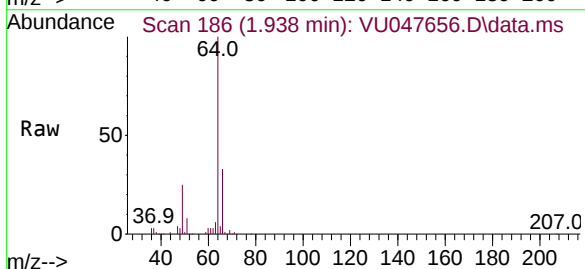
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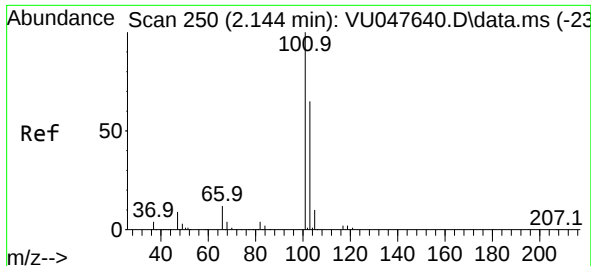
Tgt Ion: 64 Resp: 609157

Ion Ratio Lower Upper

64 100

66 33.0 23.3 43.3

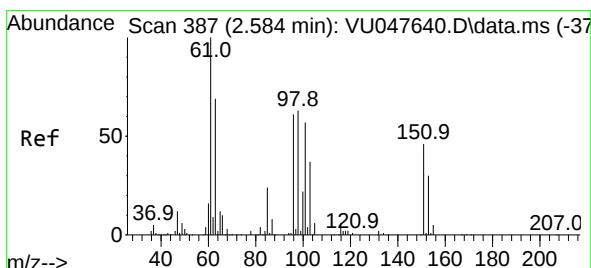
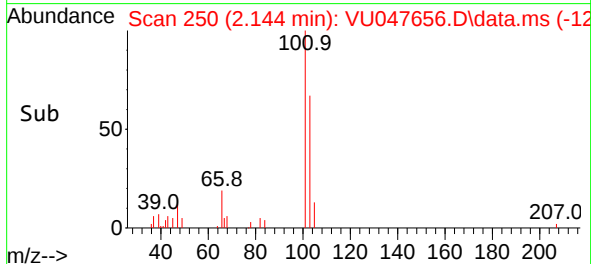
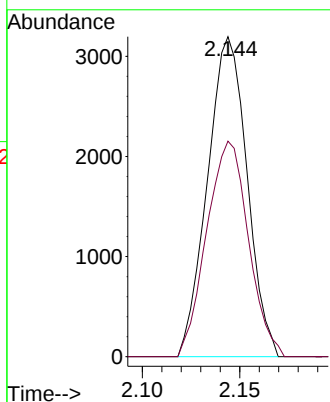
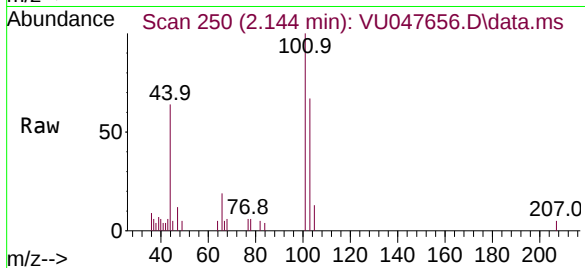




#9
 Trichlorofluoromethane
 Concen: 1.140 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU047656.D
 Acq: 25 Mar 2022 00:32

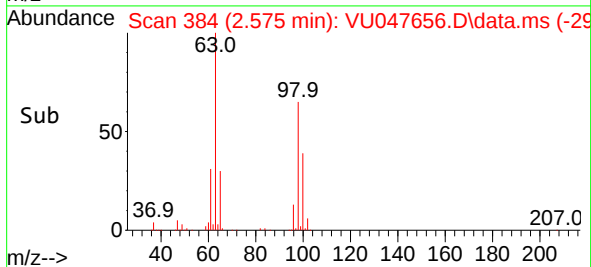
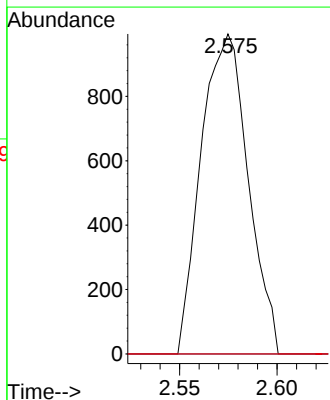
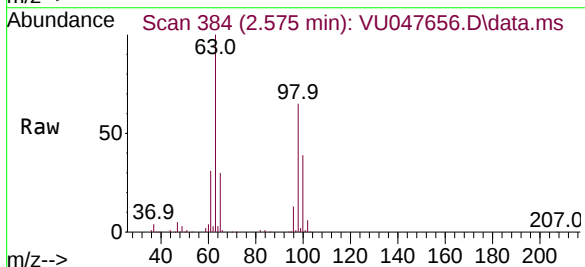
Instrument :
 MSVOA_U
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 EW5Y2

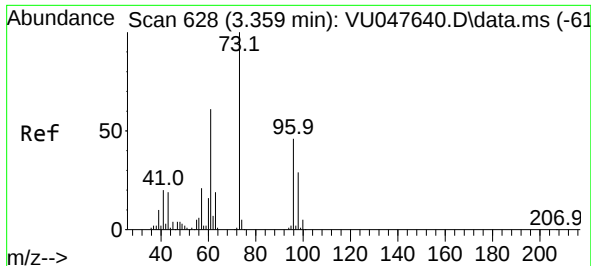
Tgt Ion:101 Resp: 4515
 Ion Ratio Lower Upper
 101 100
 103 71.0 51.4 77.2



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.729 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.010 min
 Lab File: VU047656.D
 Acq: 25 Mar 2022 00:32

Tgt Ion:101 Resp: 1669
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.0 94.6#

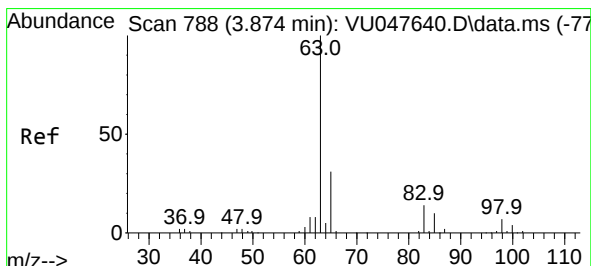
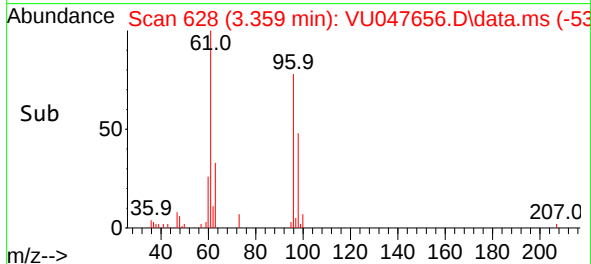
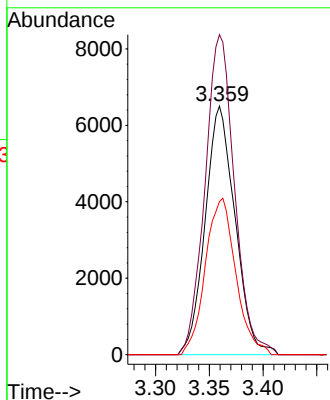
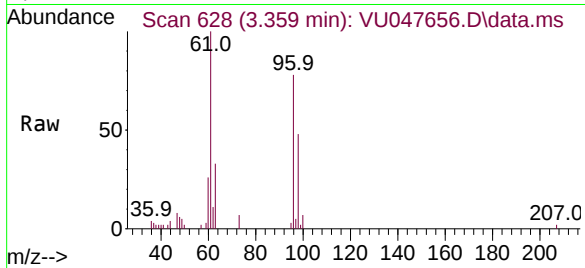




#17
trans-1,2-Dichloroethene
Concen: 5.482 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

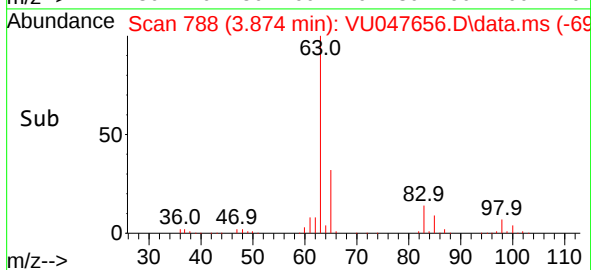
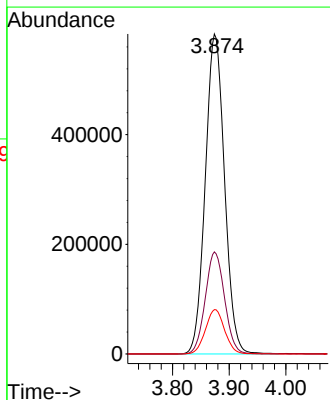
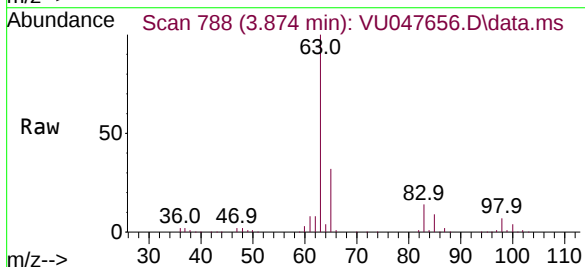
Instrument :
MSVOA_U
ClientSampleId :
EW5Y2

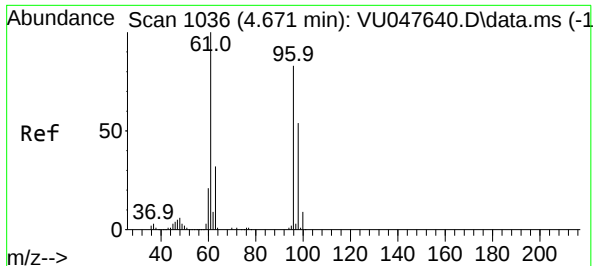
Tgt Ion: 96 Resp: 12597
Ion Ratio Lower Upper
96 100
61 128.7 88.4 164.2
98 61.6 43.3 80.5



#19
1,1-Dichloroethane
Concen: 347.435 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

Tgt Ion: 63 Resp: 1376863
Ion Ratio Lower Upper
63 100
65 31.9 22.0 41.0
83 13.9 9.7 18.1



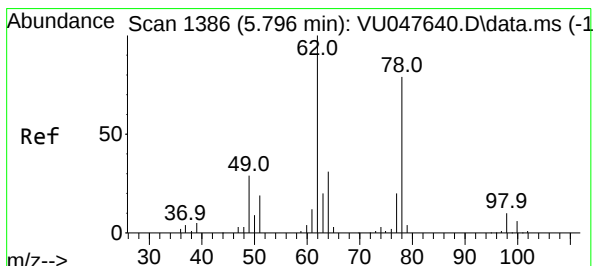
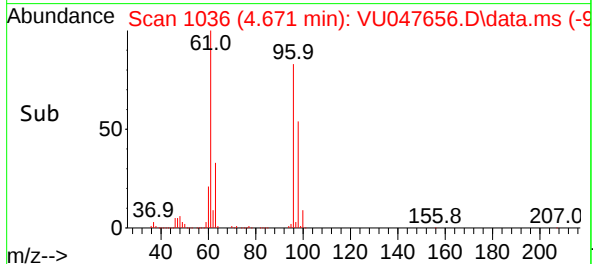
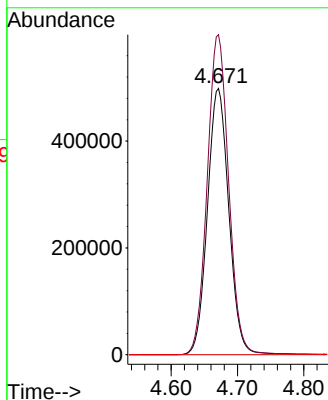
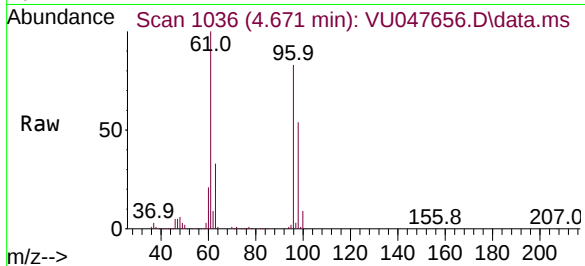


#20
 cis-1,2-Dichloroethene
 Concen: 443.673 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU047656.D
 Acq: 25 Mar 2022 00:32

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5Y2

Tgt Ion: 96 Resp: 1117663

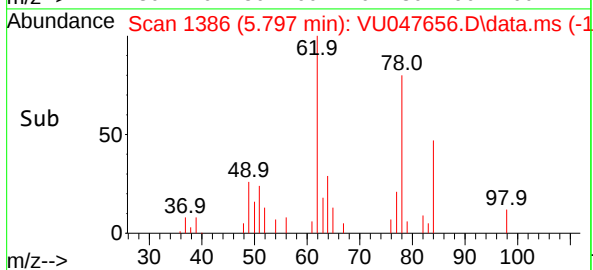
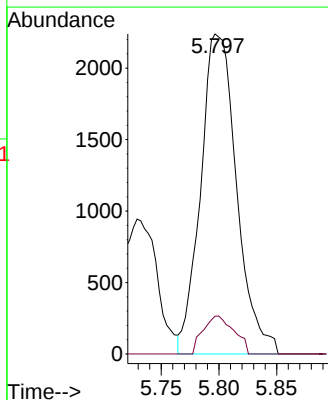
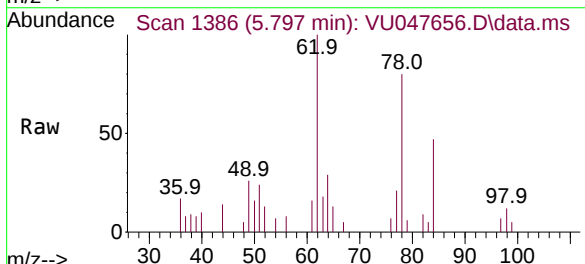
Ion	Ratio	Lower	Upper
96	100		
61	120.2	80.7	149.9
68	0.0	0.0	0.0

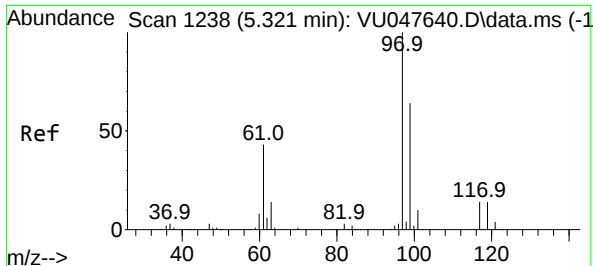


#27
 1,2-Dichloroethane
 Concen: 1.473 ug/L
 RT: 5.797 min Scan# 1386
 Delta R.T. 0.000 min
 Lab File: VU047656.D
 Acq: 25 Mar 2022 00:32

Tgt Ion: 62 Resp: 4854

Ion	Ratio	Lower	Upper
62	100		
98	11.8	7.4	11.0#





#30

1,1,1-Trichloroethane

Concen: 836.361 ug/L

RT: 5.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047656.D

Acq: 25 Mar 2022 00:32

Instrument :

MSVOA_U

ClientSampleId :

EW5Y2

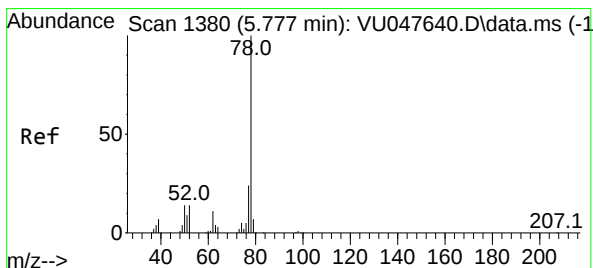
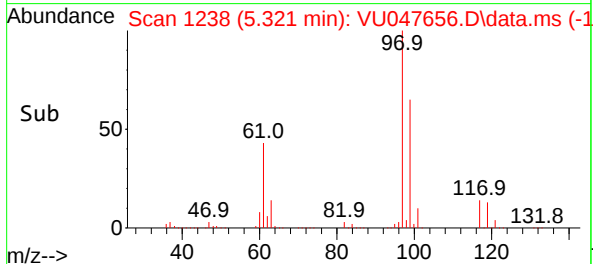
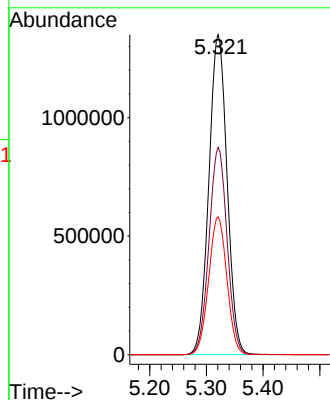
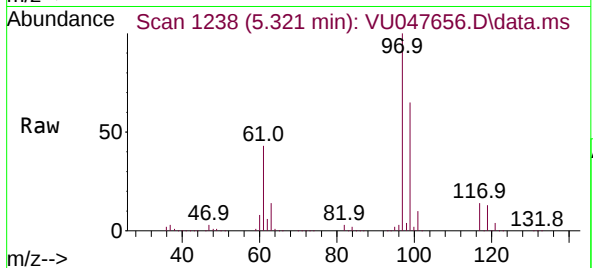
Tgt Ion: 97 Resp: 3014122

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 43.1 34.2 51.4



#33

Benzene

Concen: 1.032 ug/L

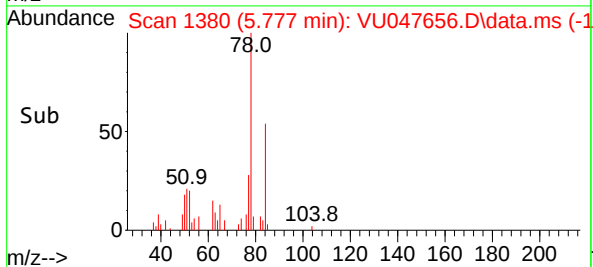
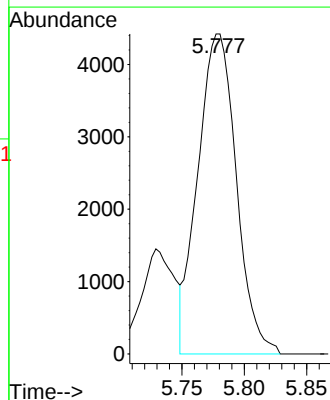
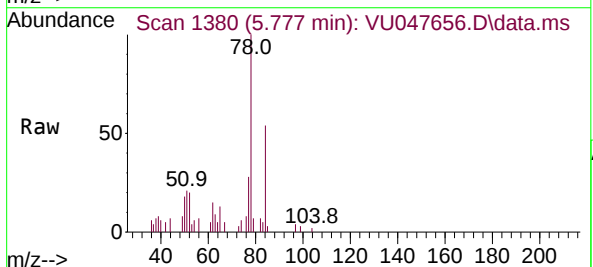
RT: 5.777 min Scan# 1380

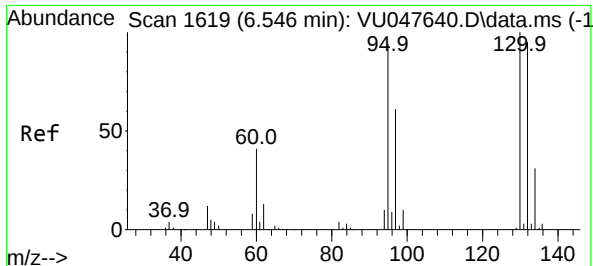
Delta R.T. 0.000 min

Lab File: VU047656.D

Acq: 25 Mar 2022 00:32

Tgt Ion: 78 Resp: 9493



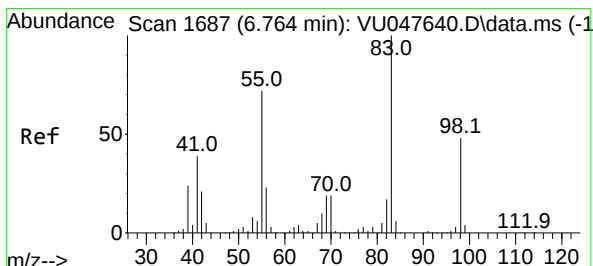
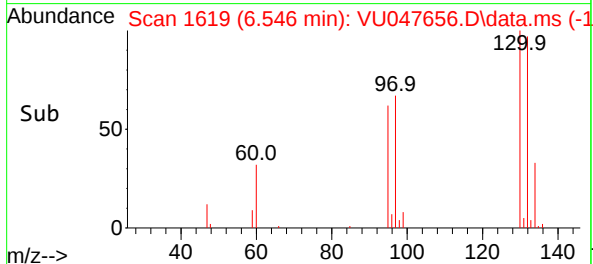
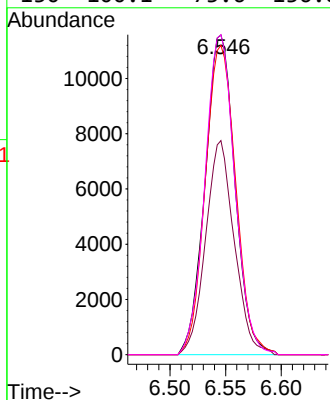
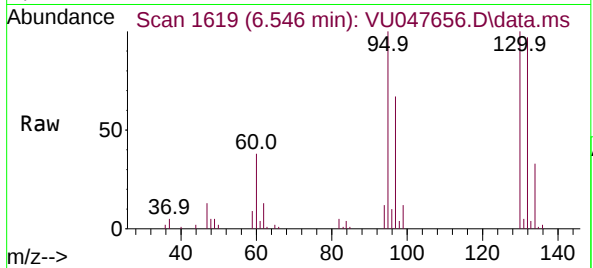


#34
Trichloroethene
Concen: 8.971 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

Instrument :
MSVOA_U
ClientSampleId :
EW5Y2

Tgt Ion: 95 Resp: 21638

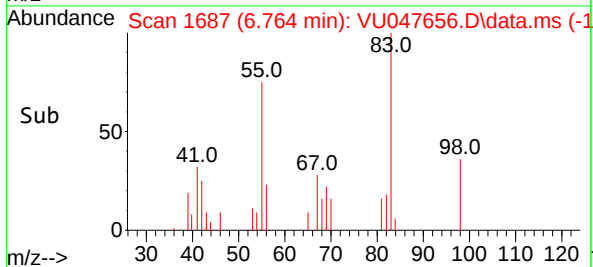
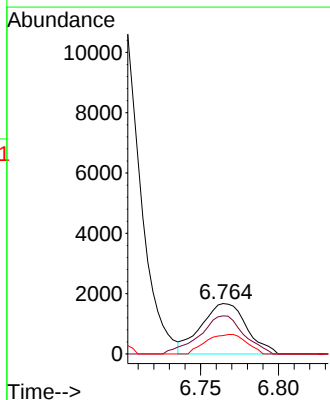
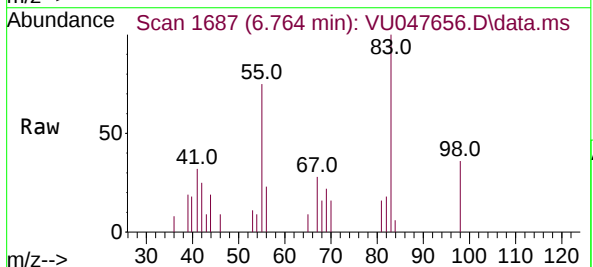
Ion	Ratio	Lower	Upper
95	100		
97	67.0	44.7	82.9
132	96.7	70.4	130.8
130	100.1	73.6	136.8

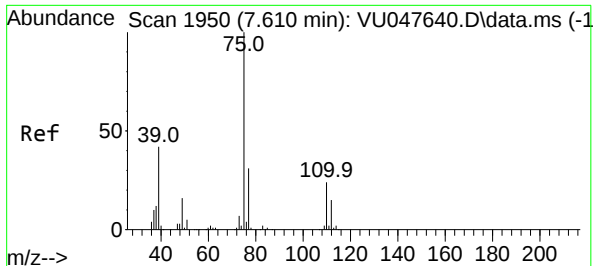


#35
Methylcyclohexane
Concen: 0.923 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

Tgt Ion: 83 Resp: 3388

Ion	Ratio	Lower	Upper
83	100		
55	72.7	56.8	85.2
98	34.4	38.1	57.1





#39

cis-1,3-Dichloropropene

Concen: 0.952 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU047656.D

Acq: 25 Mar 2022 00:32

Instrument :

MSVOA_U

ClientSampleId :

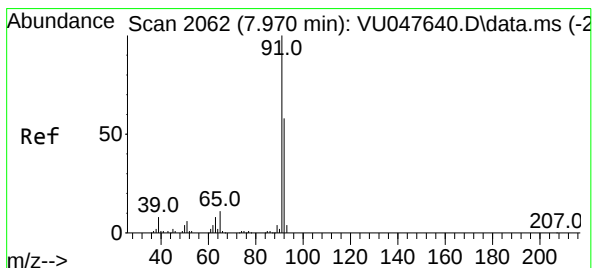
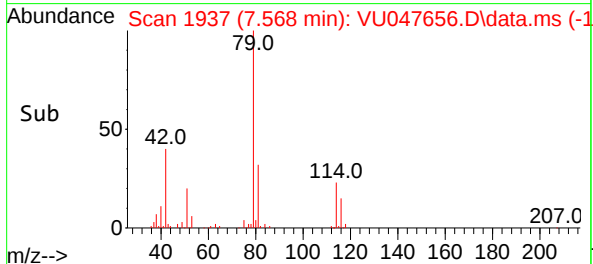
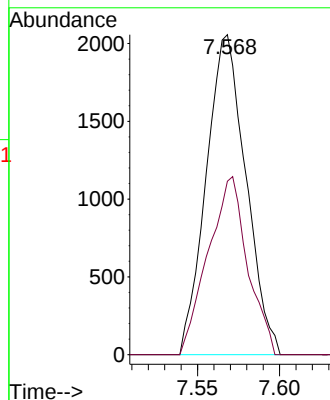
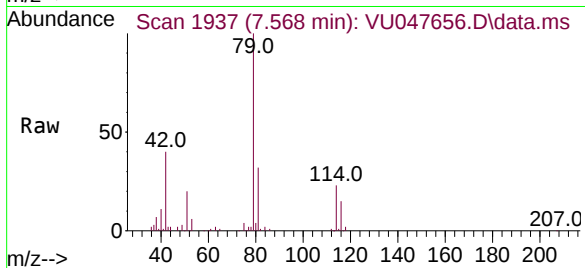
EW5Y2

Tgt Ion: 75 Resp: 3453

Ion Ratio Lower Upper

75 100

77 54.2 21.8 40.6#



#42

Toluene

Concen: 18.496 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU047656.D

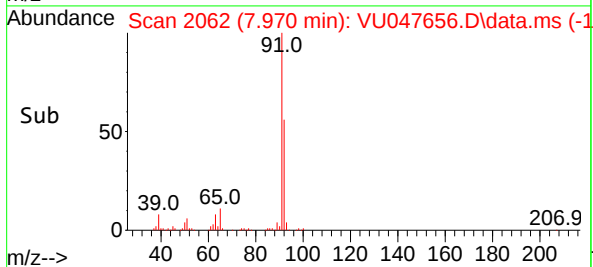
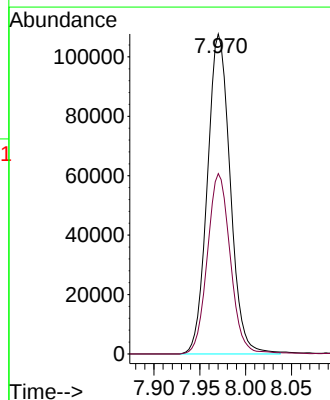
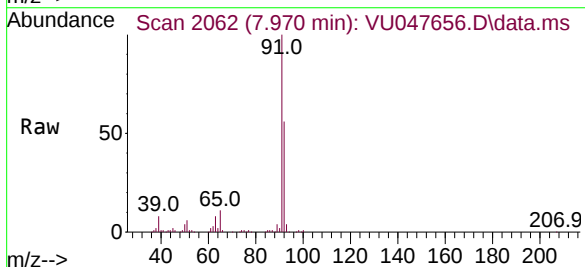
Acq: 25 Mar 2022 00:32

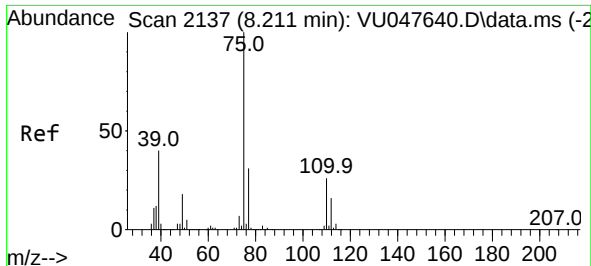
Tgt Ion: 91 Resp: 186699

Ion Ratio Lower Upper

91 100

92 56.3 40.4 75.0

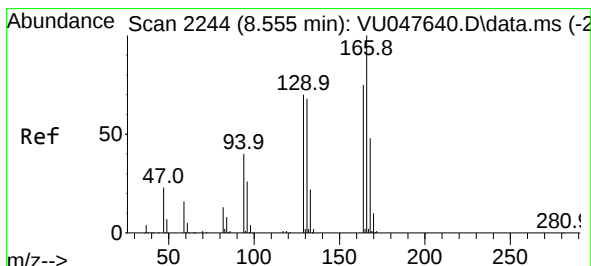
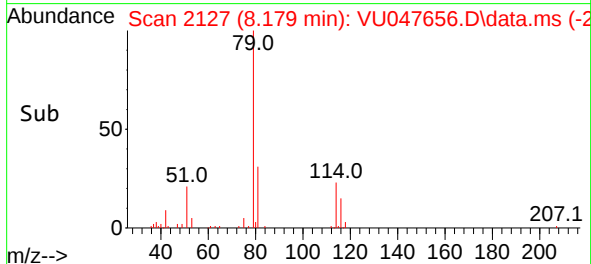
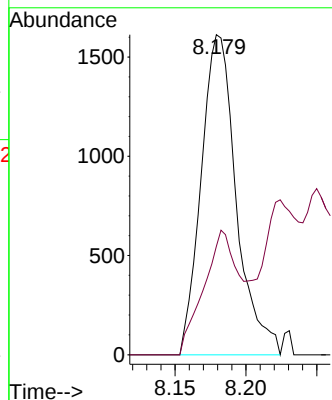
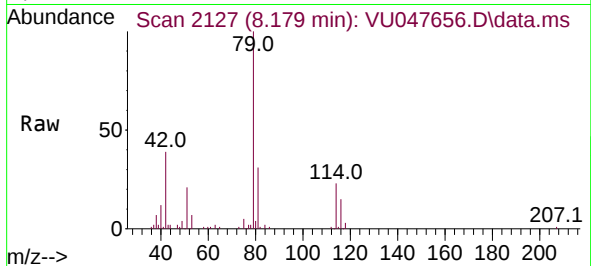




#44
trans-1,3-Dichloropropene
Concen: 0.767 ug/L
RT: 8.179 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

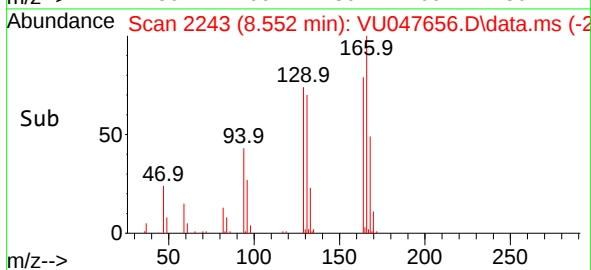
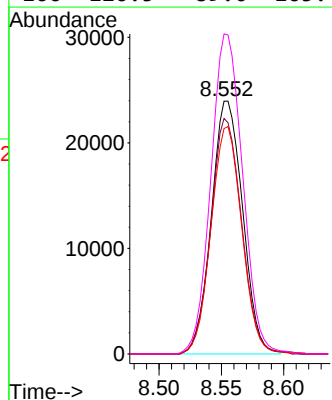
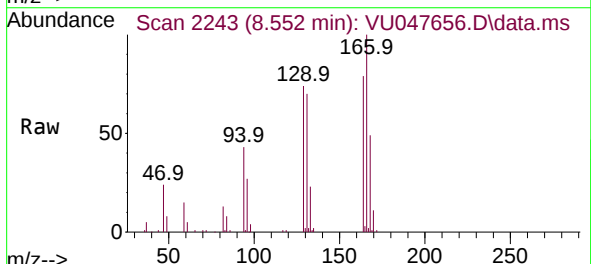
Instrument :
MSVOA_U
ClientSampleId :
EW5Y2

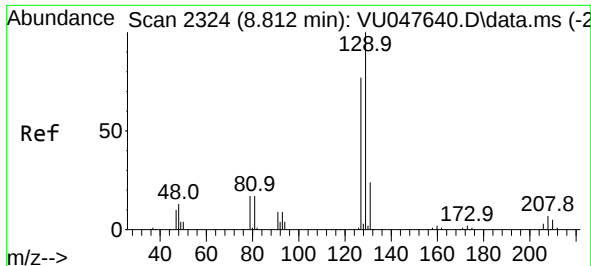
Tgt Ion: 75 Resp: 2778
Ion Ratio Lower Upper
75 100
77 33.8 22.0 40.8



#46
Tetrachloroethene
Concen: 19.275 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

Tgt Ion:164 Resp: 41777
Ion Ratio Lower Upper
164 100
129 93.1 62.4 116.0
131 89.1 60.7 112.7
166 126.5 89.0 165.4





#49

Dibromochloromethane

Concen: 13.377 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.260 min

Lab File: VU047656.D

Acq: 25 Mar 2022 00:32

Instrument :

MSVOA_U

ClientSampleId :

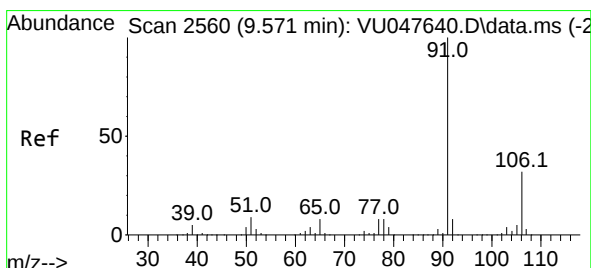
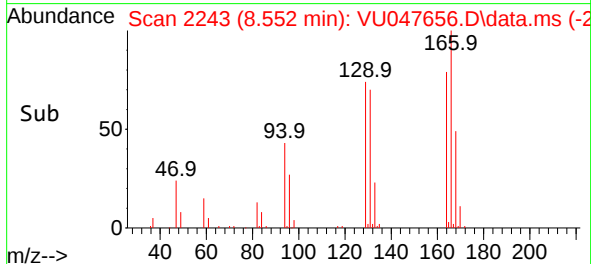
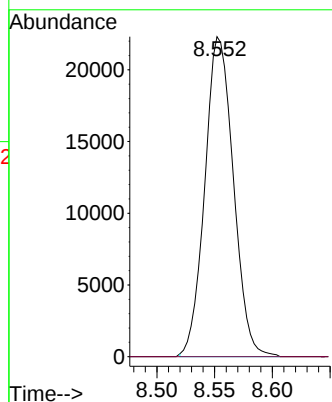
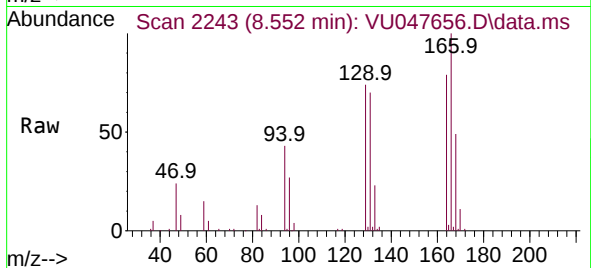
EW5Y2

Tgt Ion:129 Resp: 38430

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#52

Ethylbenzene

Concen: 5.239 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. 0.000 min

Lab File: VU047656.D

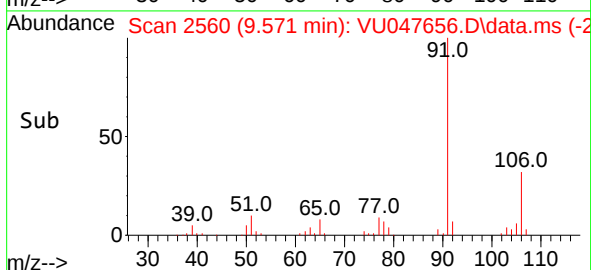
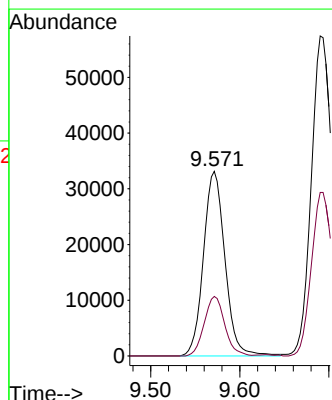
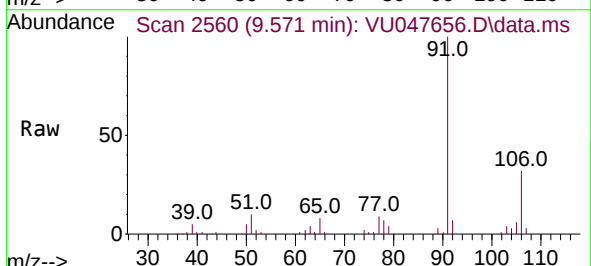
Acq: 25 Mar 2022 00:32

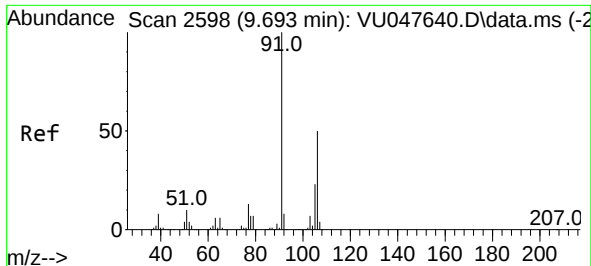
Tgt Ion: 91 Resp: 55602

Ion Ratio Lower Upper

91 100

106 32.2 22.4 41.6

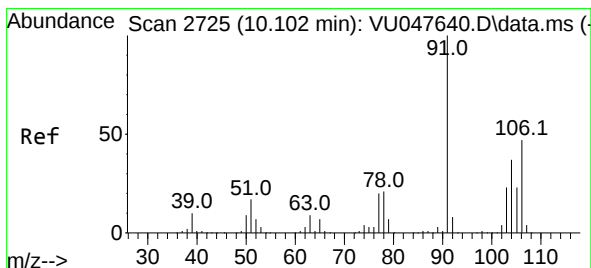
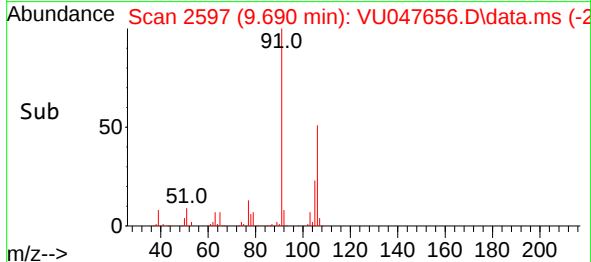
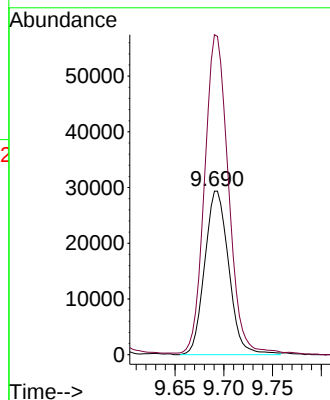
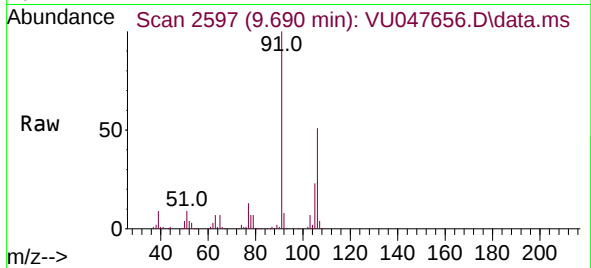




#53
m,p-Xylene
Concen: 12.117 ug/L
RT: 9.690 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

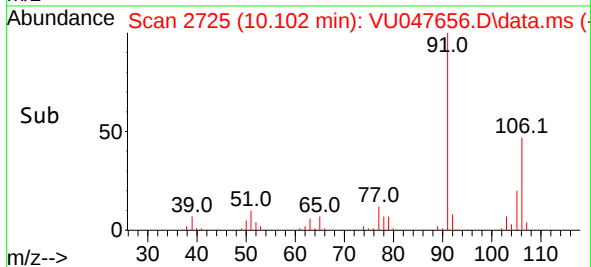
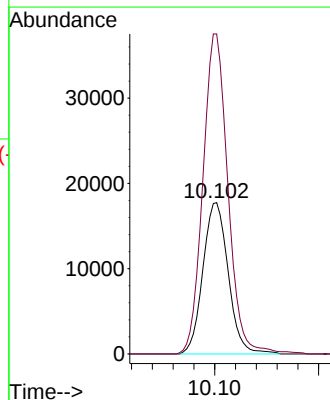
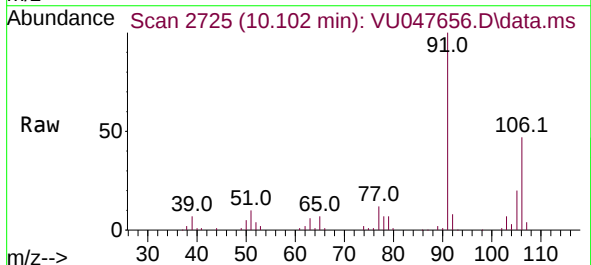
Instrument :
MSVOA_U
ClientSampleId :
EW5Y2

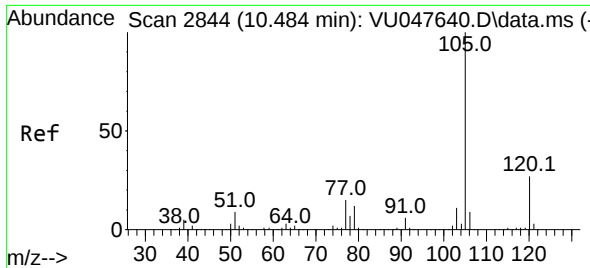
Tgt Ion:106 Resp: 50464
Ion Ratio Lower Upper
106 100
91 195.6 137.7 255.7



#54
o-Xylene
Concen: 7.347 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

Tgt Ion:106 Resp: 30030
Ion Ratio Lower Upper
106 100
91 211.4 146.7 272.5

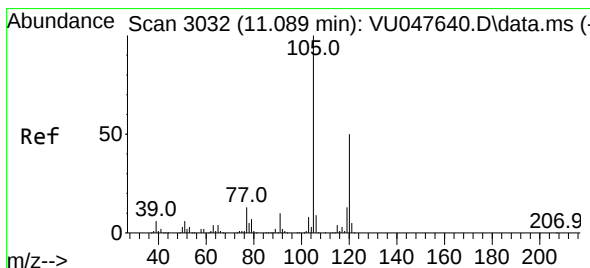
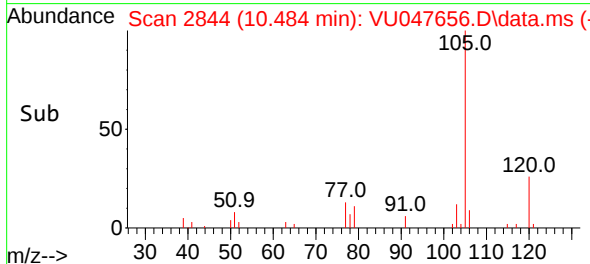
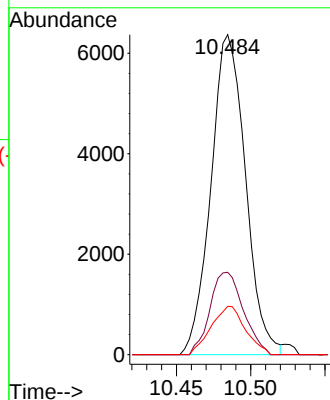
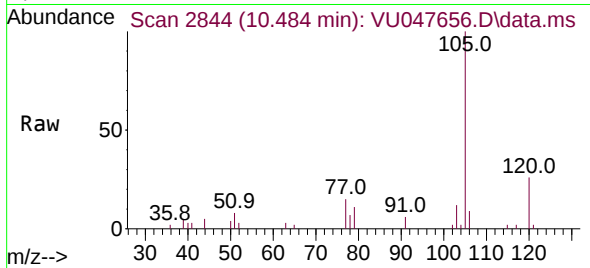




#61
Isopropylbenzene
Concen: 1.137 ug/L
RT: 10.484 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

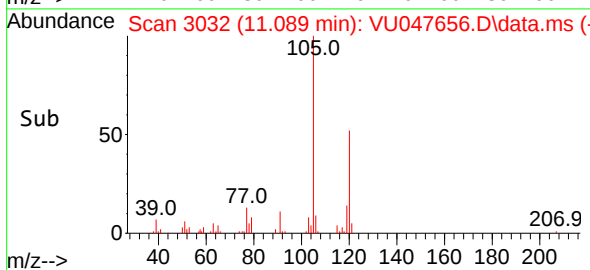
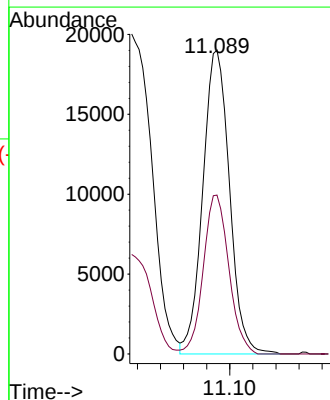
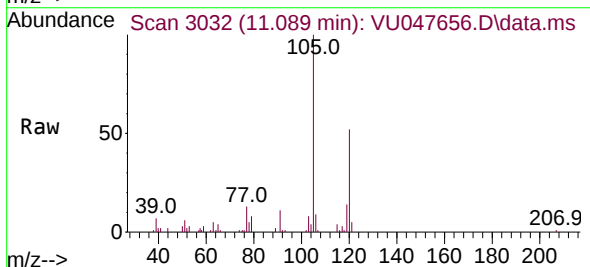
Instrument :
MSVOA_U
ClientSampleId :
EW5Y2

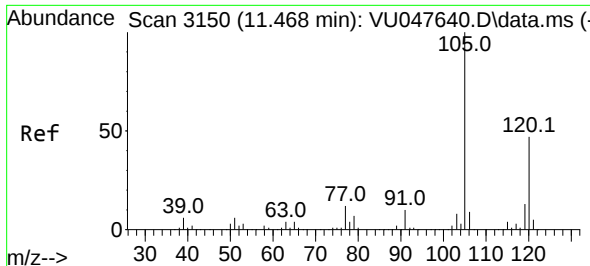
Tgt Ion:105 Resp: 10313
Ion Ratio Lower Upper
105 100
120 24.9 21.9 32.9
77 15.0 12.1 18.1



#62
1,3,5-Trimethylbenzene
Concen: 6.200 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

Tgt Ion:105 Resp: 30505
Ion Ratio Lower Upper
105 100
120 50.2 40.8 61.2

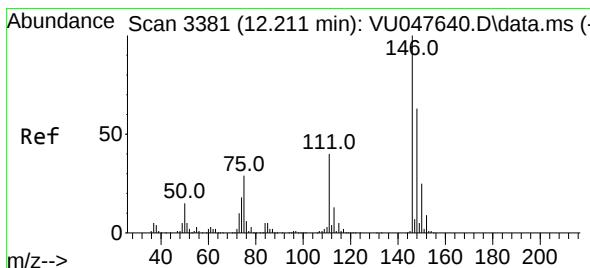
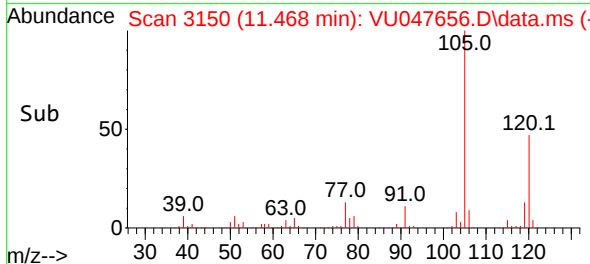
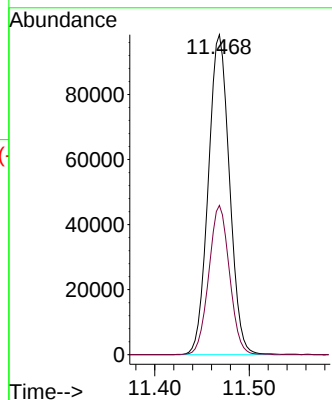
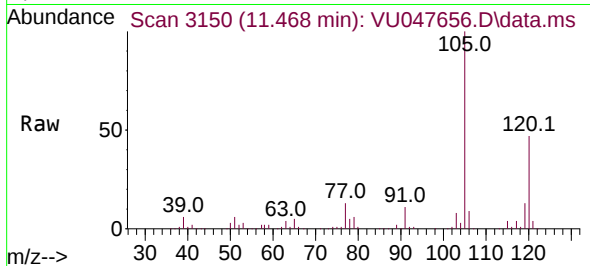




#63
1,2,4-Trimethylbenzene
Concen: 20.451 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

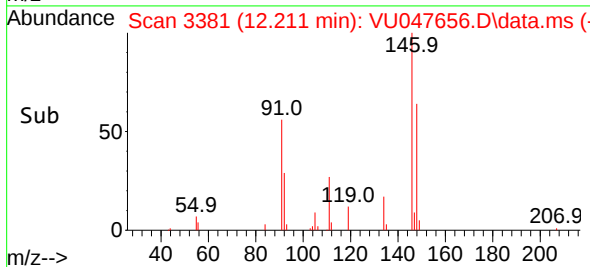
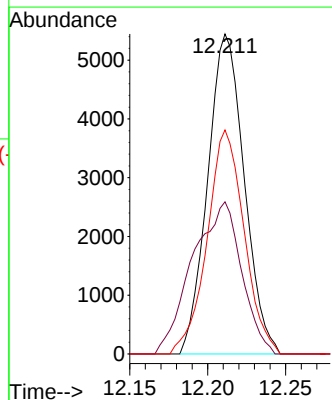
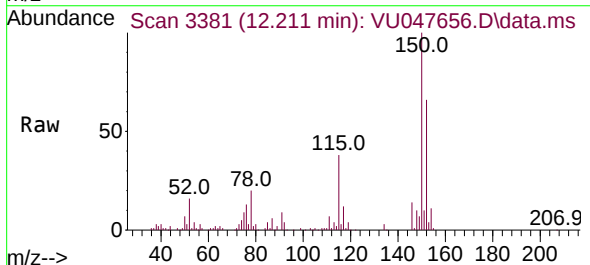
Instrument :
MSVOA_U
ClientSampleId :
EW5Y2

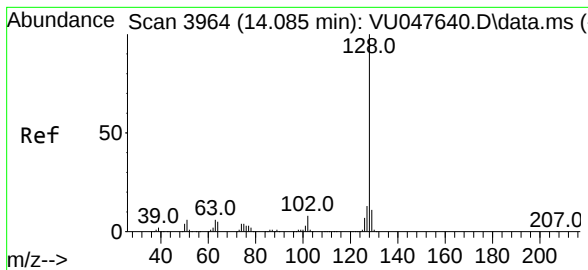
Tgt Ion:105 Resp: 152845
Ion Ratio Lower Upper
105 100
120 45.6 37.6 56.4



#67
1,2-Dichlorobenzene
Concen: 1.762 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU047656.D
Acq: 25 Mar 2022 00:32

Tgt Ion:146 Resp: 8884
Ion Ratio Lower Upper
146 100
111 47.5 31.7 47.5#
148 70.0 51.4 77.2





#71
 Naphthalene
 Concen: 2.359 ug/L
 RT: 14.089 min Scan# 3965
 Delta R.T. 0.003 min
 Lab File: VU047656.D
 Acq: 25 Mar 2022 00:32

Instrument : MSVOA_U
 ClientSampleId : EW5Y2

Tgt Ion:	128	Resp:	25221
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.8	8.8	13.2

