

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053122\
 Data File : VU048766.D
 Acq On : 01 Jun 2022 02:59
 Operator : SY/MD
 Sample : N3075-04 20X
 Misc : 5.78g/10.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS-4

Quant Time: Jun 01 05:46:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

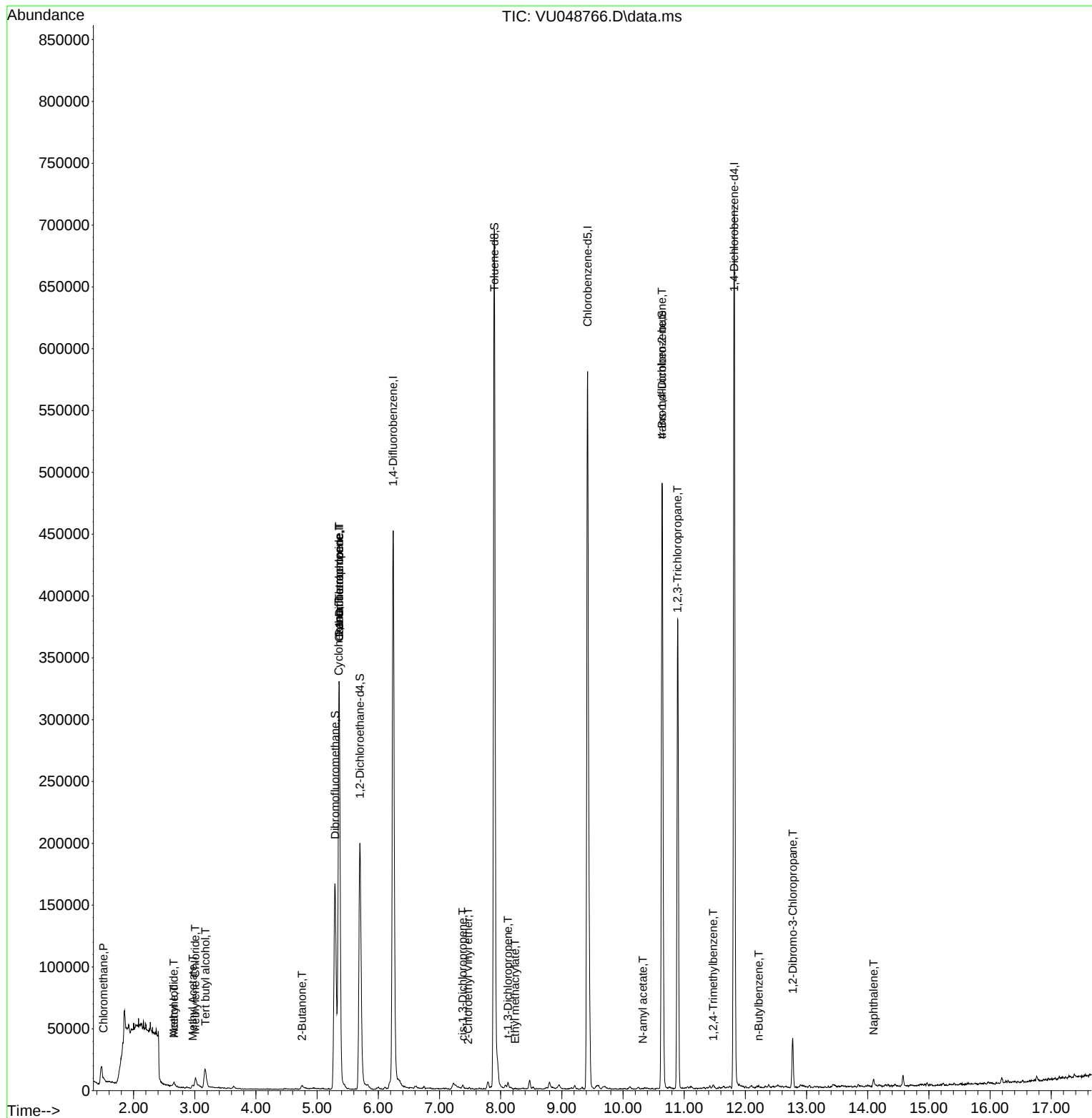
Internal Standards						
1) Pentafluorobenzene	5.359	168	243776	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	6.244	114	419728	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	401783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	195020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	191300	52.253	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.500%	
35) Dibromofluoromethane	5.292	113	145943	48.738	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.480%	
50) Toluene-d8	7.896	98	517058	48.170	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.340%	
62) 4-Bromofluorobenzene	10.639	95	192050	47.309	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.507	50	1471	0.409	ug/l #	83
5) Bromomethane	1.823	94	2097	Below Cal		88
6) Chloroethane	1.925	64	342	Below Cal		95
10) Methyl Iodide	2.658	142	2128	3.522	ug/l #	83
11) Tert butyl alcohol	3.173	59	12767	13.755	ug/l #	28
13) Acrolein	2.469	56	19	Below Cal	#	1
16) Acetone	2.662	43	1922	1.030	ug/l	95
18) Methyl Acetate	2.967	43	3964	0.846	ug/l #	72
20) Methylene Chloride	3.009	84	5290	1.667	ug/l	85
25) 2-Butanone	4.755	43	4377	1.633	ug/l #	60
31) Cyclohexane	5.353	56	4928	1.068	ug/l #	1
36) 1,1-Dichloropropene	5.359	75	21260	4.865	ug/l #	50
38) Carbon Tetrachloride	5.363	117	25189	5.024	ug/l #	17
53) t-1,3-Dichloropropene	8.118	75	2386	0.451	ug/l #	42
54) cis-1,3-Dichloropropene	7.379	75	1767	0.322	ug/l #	57
56) Ethyl methacrylate	8.234	69	43	2.621	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.469	63	171	29.881	ug/l #	47
74) N-amyl acetate	10.324	43	289	2.510	ug/l #	35
76) 1,2,3-Trichloropropane	10.890	75	3610	0.574	ug/l #	51
81) trans-1,4-Dichloro-2-b...	10.639	75	99121	57.236	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	1773	1.334	ug/l	83
89) n-Butylbenzene	12.218	91	1003	2.270	ug/l #	74
92) 1,2-Dibromo-3-Chloropr...	12.774	75	1096	0.741	ug/l #	7
95) Naphthalene	14.095	128	5514	2.874	ug/l #	89

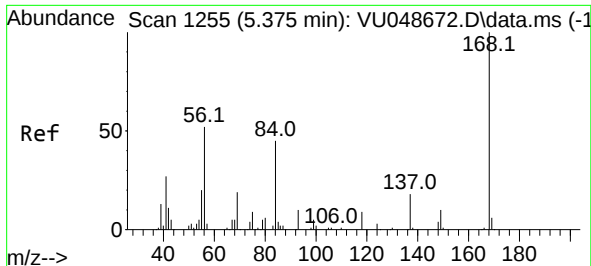
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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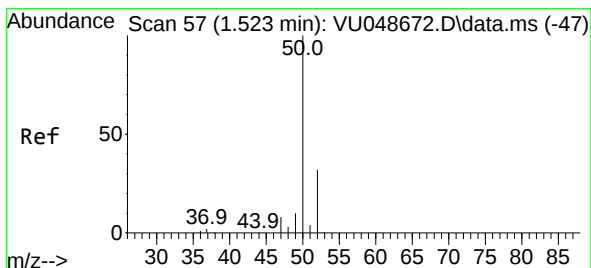
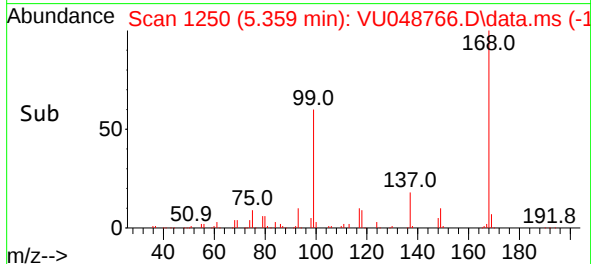
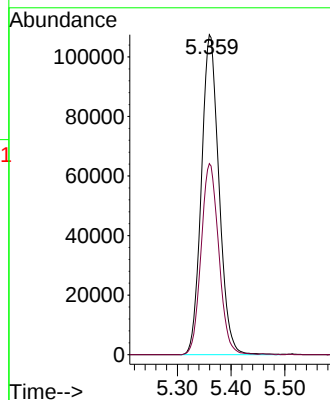
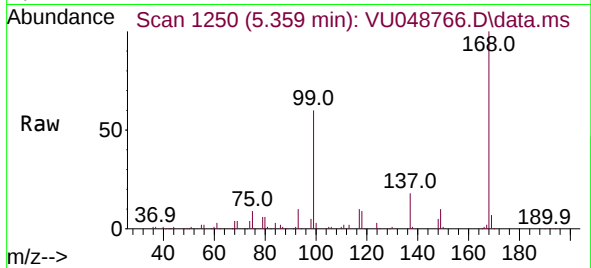




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.359 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

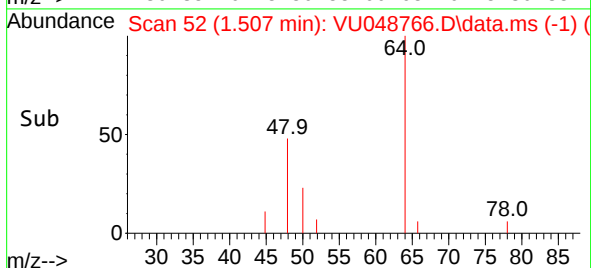
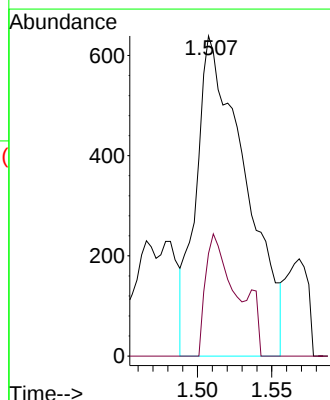
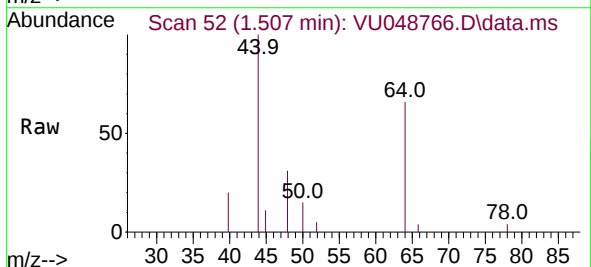
Instrument :
MSVOA_U
ClientSampleId :
SS-4

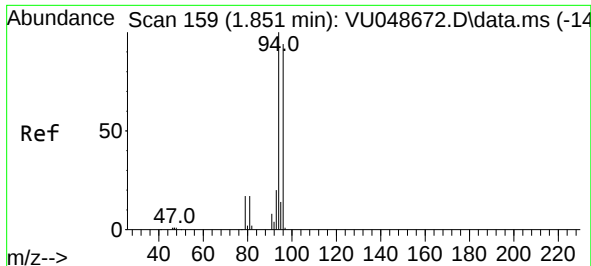
Tgt Ion:168 Resp: 243776
Ion Ratio Lower Upper
168 100
99 59.7 49.3 73.9



#3
Chloromethane
Concen: 0.409 ug/l
RT: 1.507 min Scan# 52
Delta R.T. -0.016 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

Tgt Ion: 50 Resp: 1471
Ion Ratio Lower Upper
50 100
52 41.6 25.7 38.5#

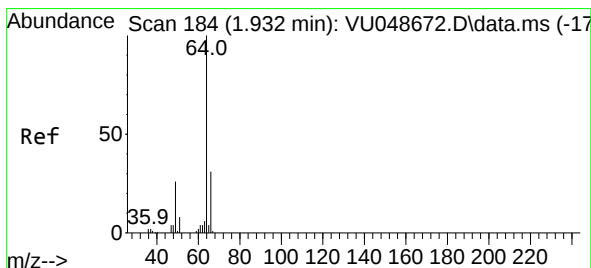
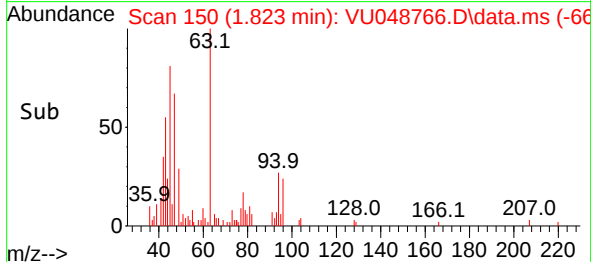
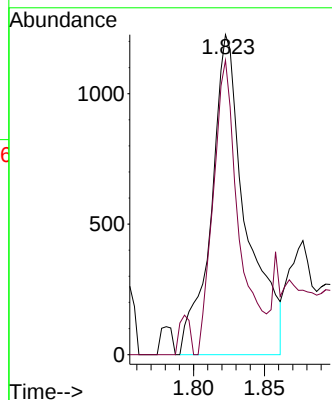
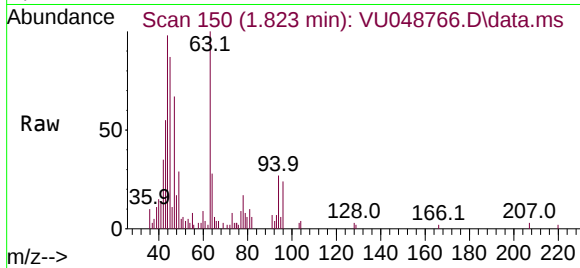




#5
Bromomethane
Concen: Below Cal
RT: 1.823 min Scan# 11
Delta R.T. -0.028 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

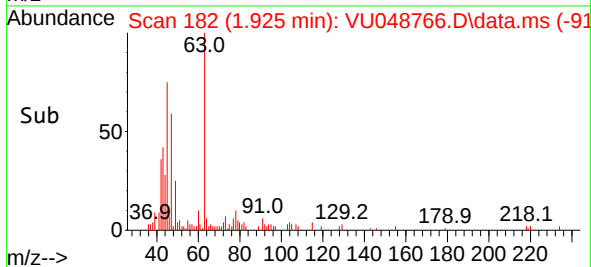
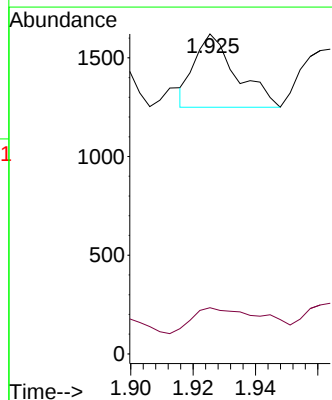
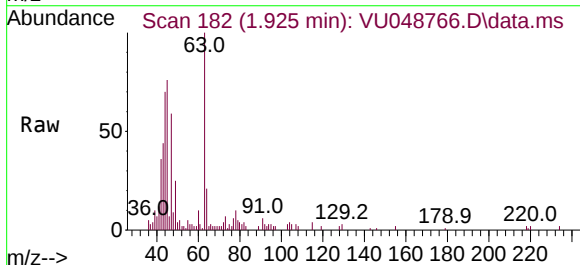
Instrument :
MSVOA_U
ClientSampleId :
SS-4

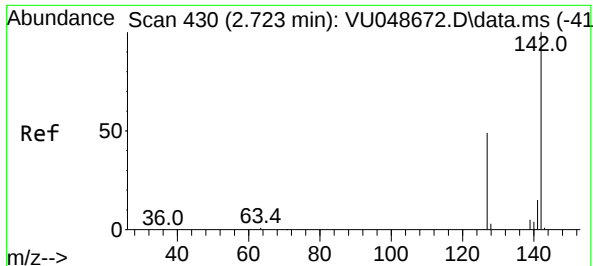
Tgt Ion: 94 Resp: 2097
Ion Ratio Lower Upper
94 100
96 82.1 75.1 112.7



#6
Chloroethane
Concen: Below Cal
RT: 1.925 min Scan# 182
Delta R.T. -0.007 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

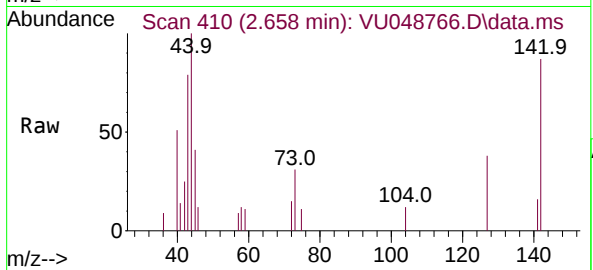
Tgt Ion: 64 Resp: 342
Ion Ratio Lower Upper
64 100
66 28.6 25.2 37.8



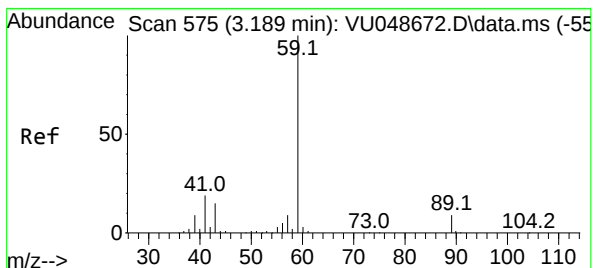
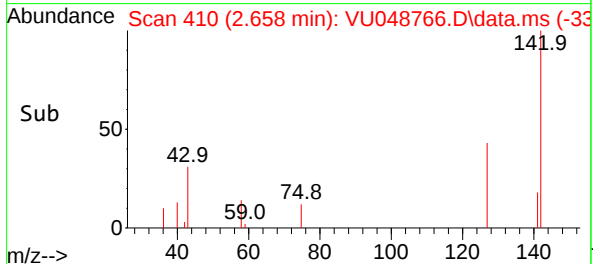
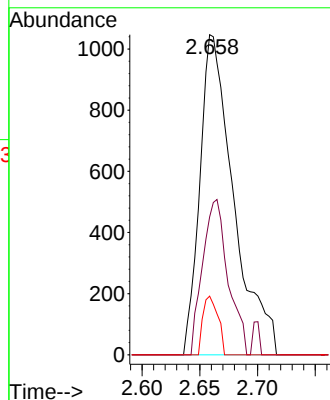


#10
Methyl Iodide
Concen: 3.522 ug/l
RT: 2.658 min Scan# 41
Delta R.T. -0.065 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

Instrument :
MSVOA_U
ClientSampleId :
SS-4

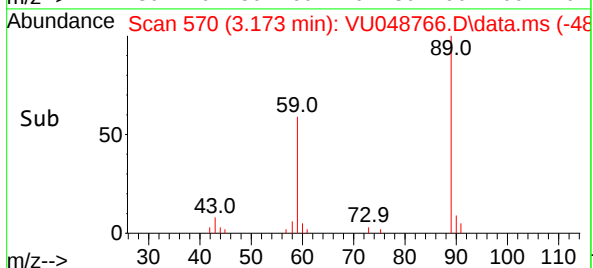
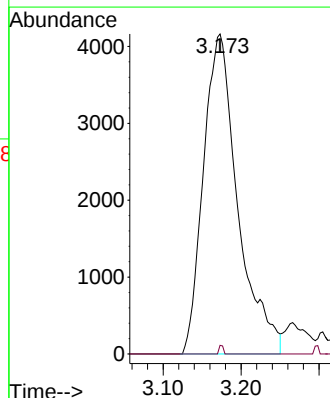
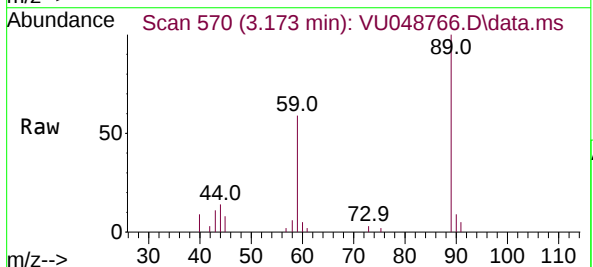


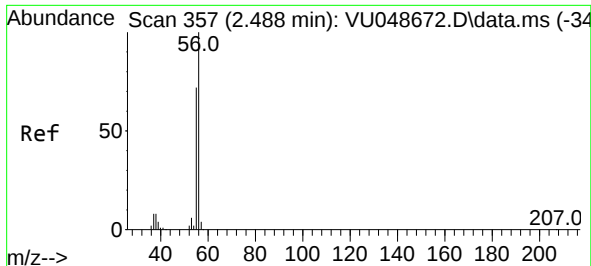
Tgt Ion:142 Resp: 2128
Ion Ratio Lower Upper
142 100
127 36.6 38.4 57.6#
141 8.1 11.5 17.3#



#11
Tert butyl alcohol
Concen: 13.755 ug/l
RT: 3.173 min Scan# 570
Delta R.T. -0.016 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

Tgt Ion: 59 Resp: 12767
Ion Ratio Lower Upper
59 100
57 0.3 39.7 59.5#





#13

Acrolein

Concen: Below Cal

RT: 2.469 min Scan# 3

Delta R.T. -0.019 min

Lab File: VU048766.D

Acq: 01 Jun 2022 02:59

Instrument :

MSVOA_U

ClientSampleId :

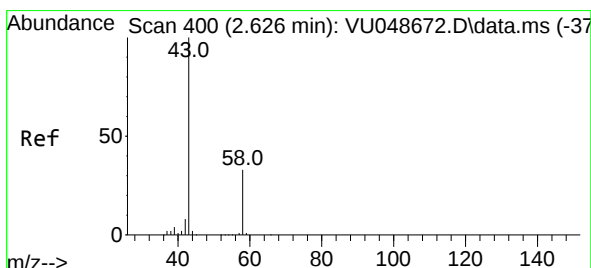
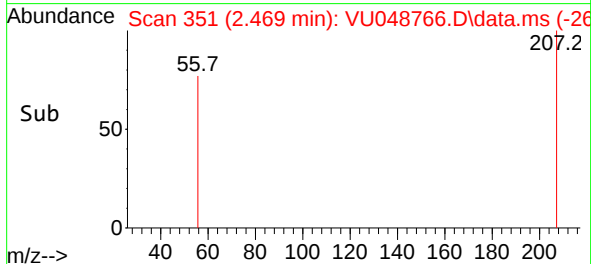
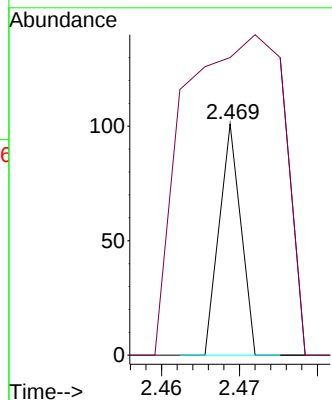
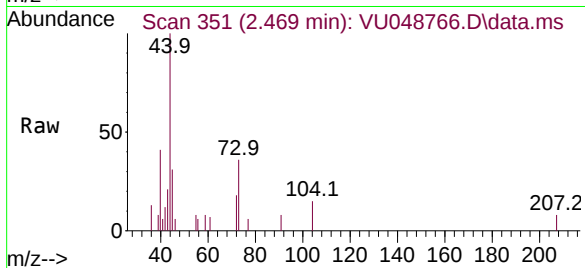
SS-4

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 652.6 57.7 86.5#



#16

Acetone

Concen: 1.030 ug/l

RT: 2.662 min Scan# 411

Delta R.T. 0.035 min

Lab File: VU048766.D

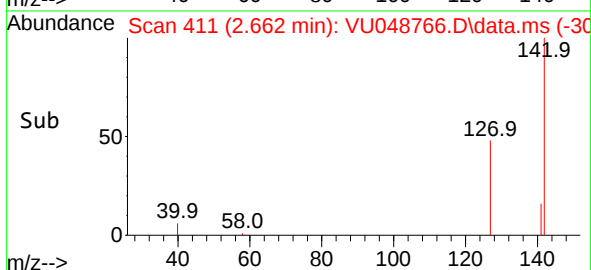
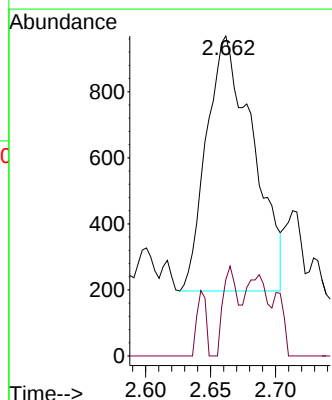
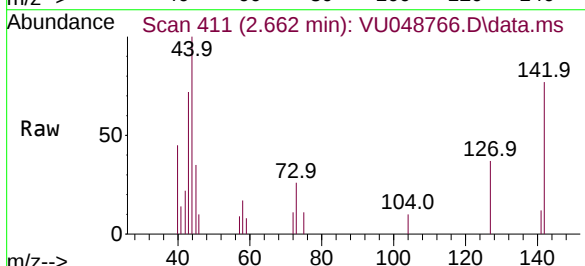
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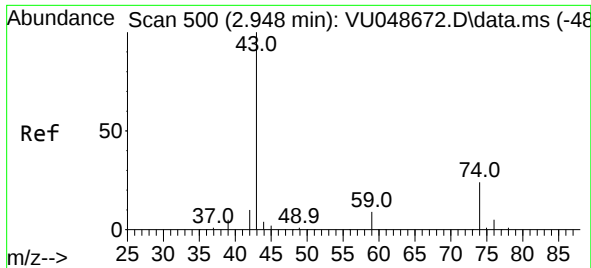
Tgt Ion: 43 Resp: 1922

Ion Ratio Lower Upper

43 100

58 29.9 26.3 39.5

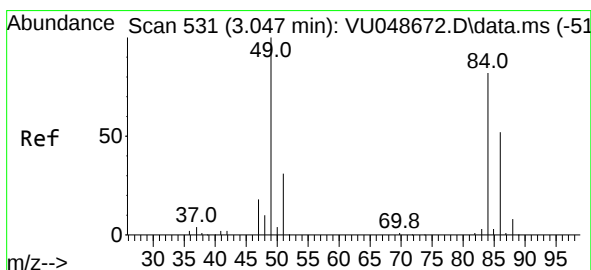
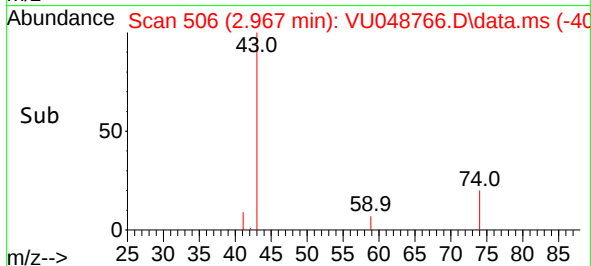
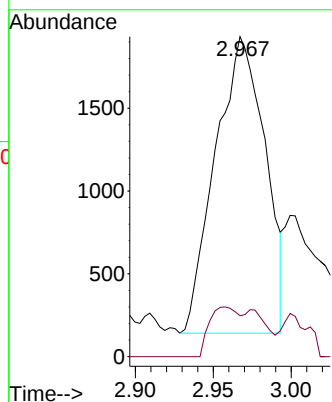
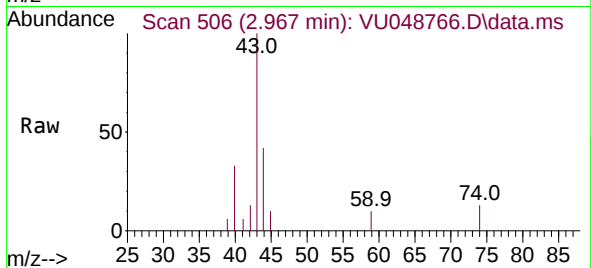




#18
Methyl Acetate
Concen: 0.846 ug/l
RT: 2.967 min Scan# 509
Delta R.T. 0.019 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

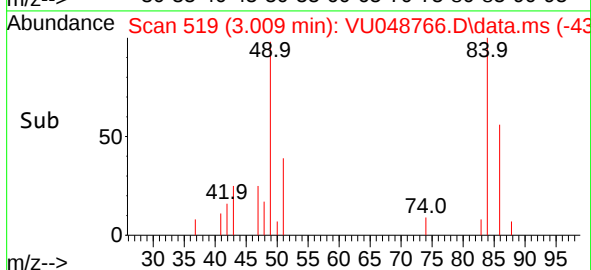
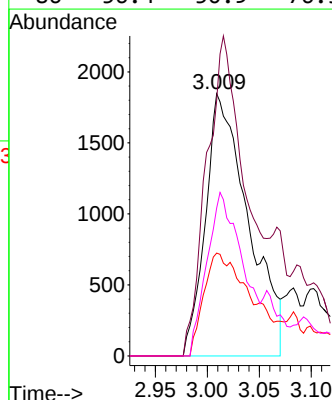
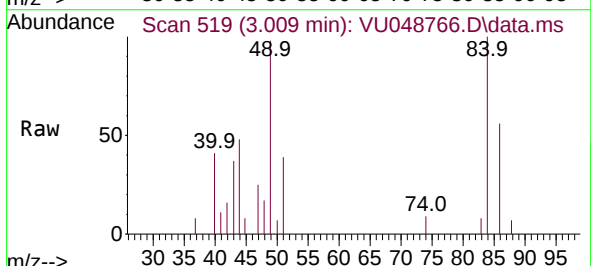
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SS-4

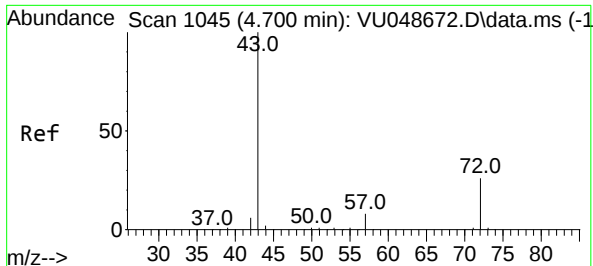
Tgt Ion: 43 Resp: 3964
Ion Ratio Lower Upper
43 100
74 9.9 19.2 28.8#



#20
Methylene Chloride
Concen: 1.667 ug/l
RT: 3.009 min Scan# 519
Delta R.T. -0.038 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

Tgt Ion: 84 Resp: 5290
Ion Ratio Lower Upper
84 100
49 97.5 97.0 145.4
51 39.2 29.8 44.8
86 56.4 50.9 76.3





#25

2-Butanone

Concen: 1.633 ug/l

RT: 4.755 min Scan# 1062

Delta R.T. 0.055 min

Lab File: VU048766.D

Acq: 01 Jun 2022 02:59

Instrument :

MSVOA_U

ClientSampleId :

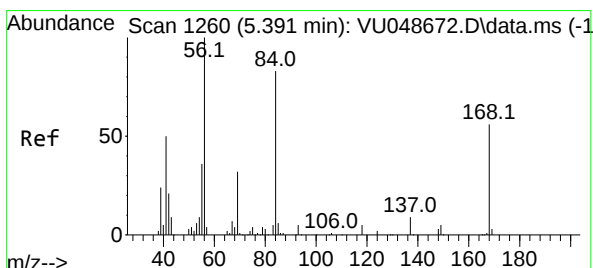
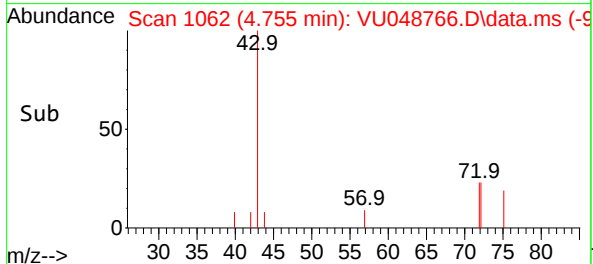
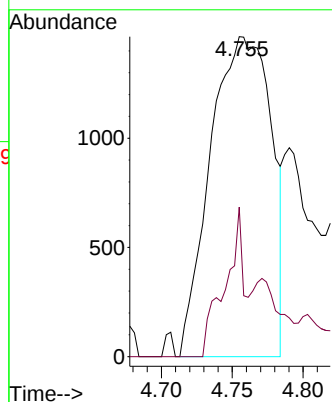
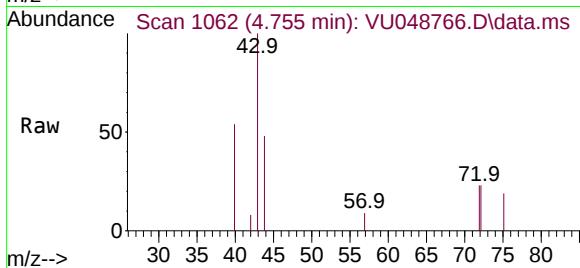
SS-4

Tgt Ion: 43 Resp: 4377

Ion Ratio Lower Upper

43 100

72 46.8 21.1 31.7#



#31

Cyclohexane

Concen: 1.068 ug/l

RT: 5.353 min Scan# 1248

Delta R.T. -0.038 min

Lab File: VU048766.D

Acq: 01 Jun 2022 02:59

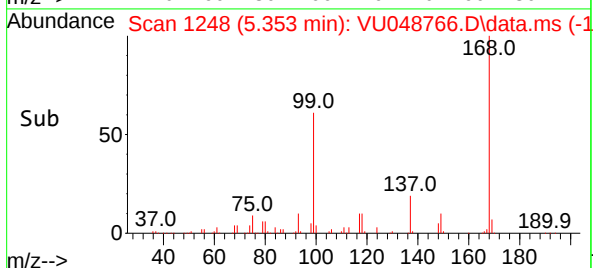
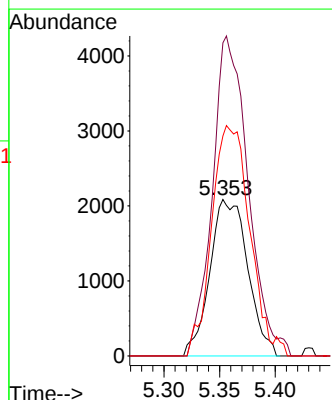
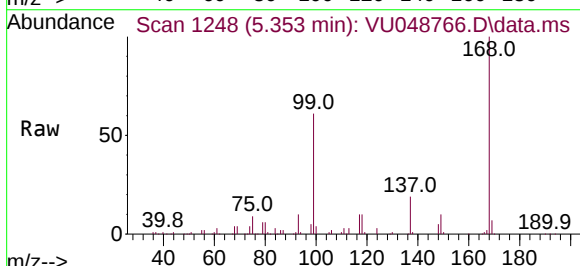
Tgt Ion: 56 Resp: 4928

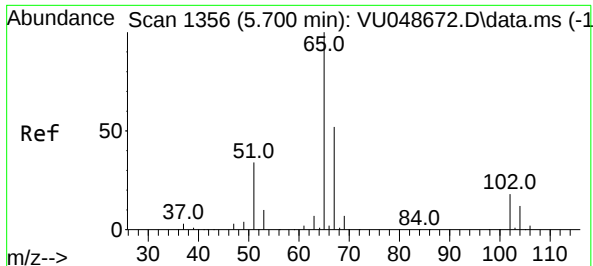
Ion Ratio Lower Upper

56 100

69 200.0 25.6 38.4#

84 152.9 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 52.253 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048766.D

Acq: 01 Jun 2022 02:59

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ClientSampleId :

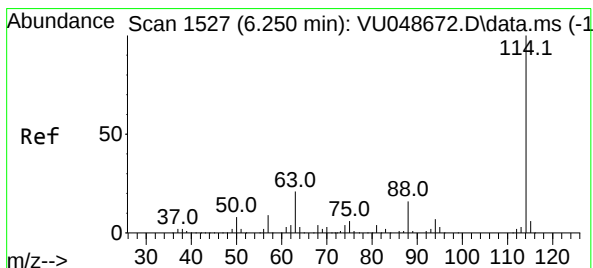
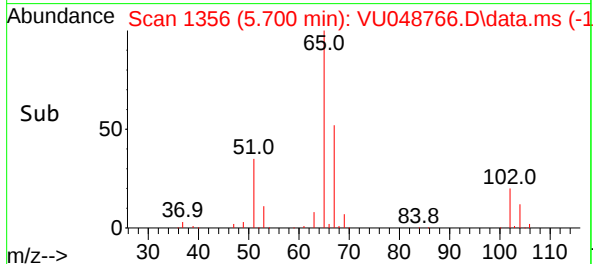
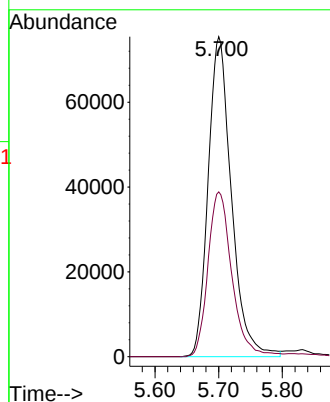
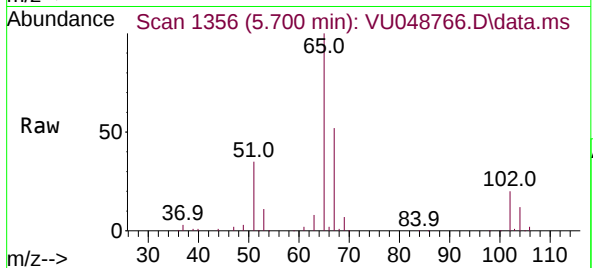
SS-4

Tgt Ion: 65 Resp: 191300

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.244 min Scan# 1525

Delta R.T. -0.006 min

Lab File: VU048766.D

Acq: 01 Jun 2022 02:59

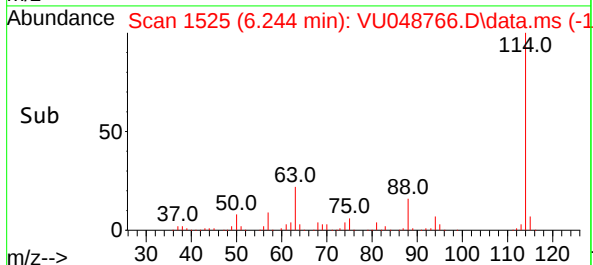
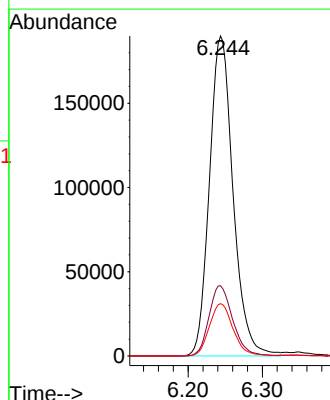
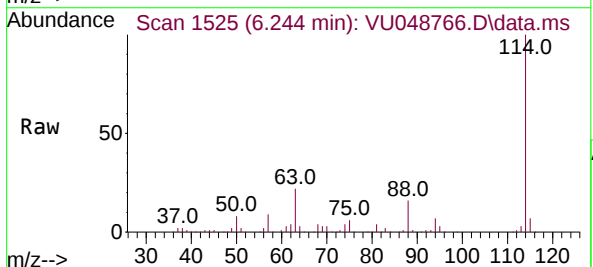
Tgt Ion: 114 Resp: 419728

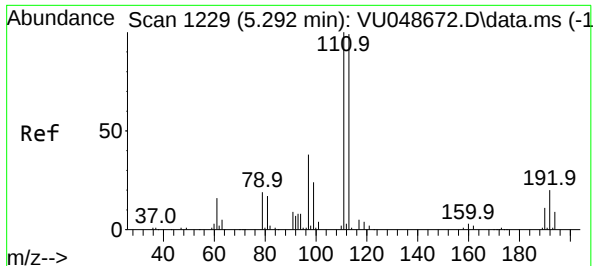
Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.6

88 16.4 0.0 32.2

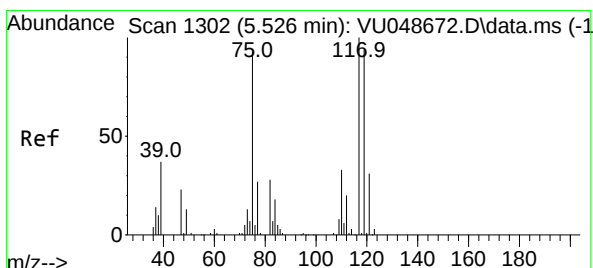
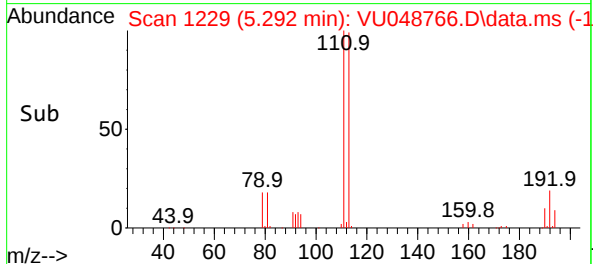
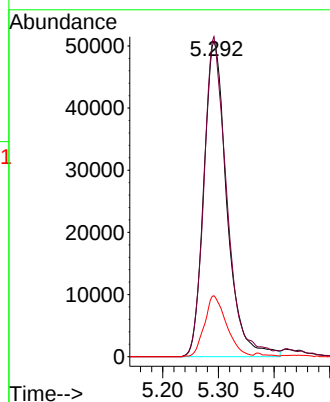
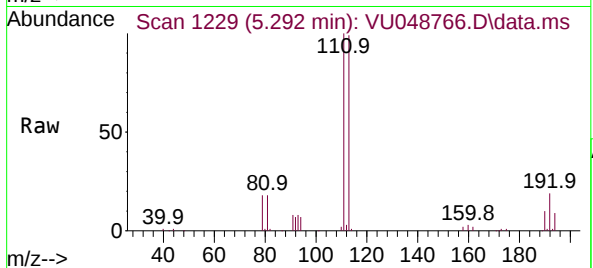




#35
Dibromofluoromethane
Concen: 48.738 ug/l
RT: 5.292 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

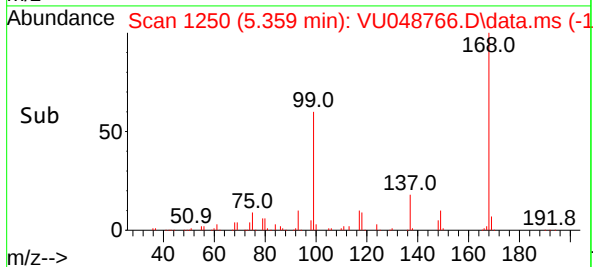
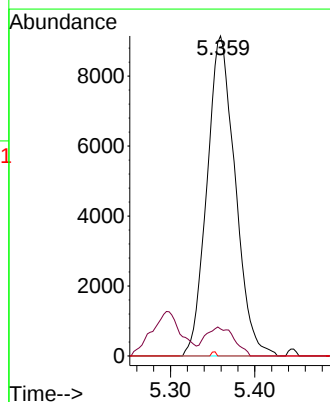
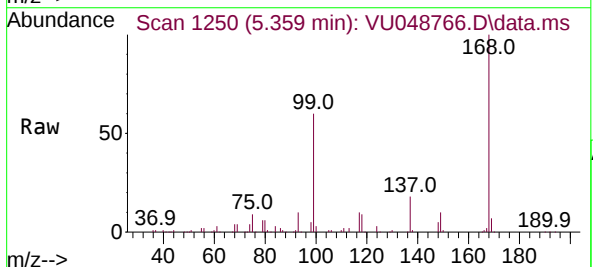
Instrument :
MSVOA_U
ClientSampleId :
SS-4

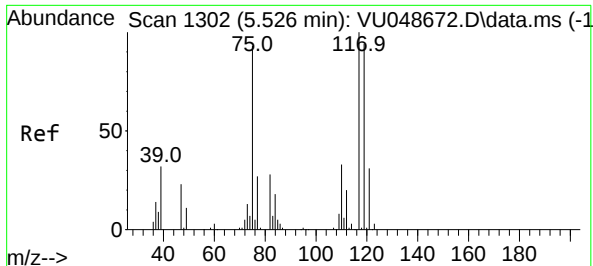
Tgt Ion:113 Resp: 145943
Ion Ratio Lower Upper
113 100
111 100.2 80.7 121.1
192 18.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.865 ug/l
RT: 5.359 min Scan# 1250
Delta R.T. -0.167 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

Tgt Ion: 75 Resp: 21260
Ion Ratio Lower Upper
75 100
110 9.3 17.4 52.3#
77 0.2 24.8 37.2#

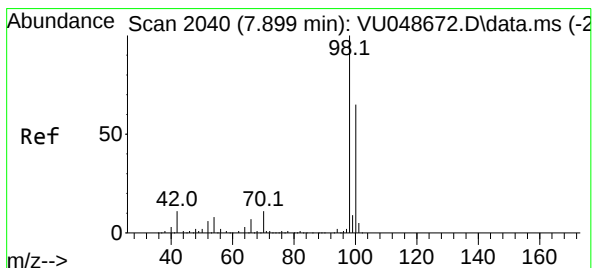
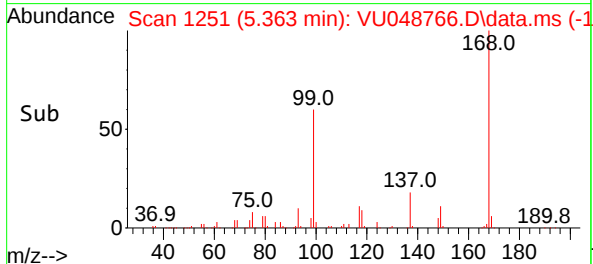
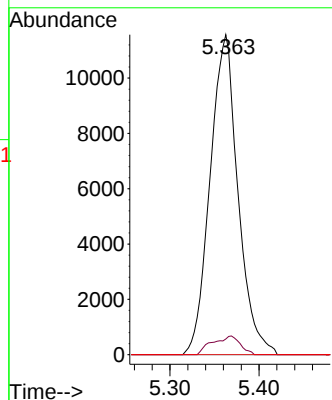
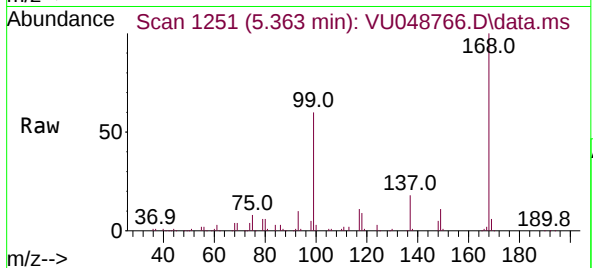




#38
Carbon Tetrachloride
Concen: 5.024 ug/l
RT: 5.363 min Scan# 117
Delta R.T. -0.164 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

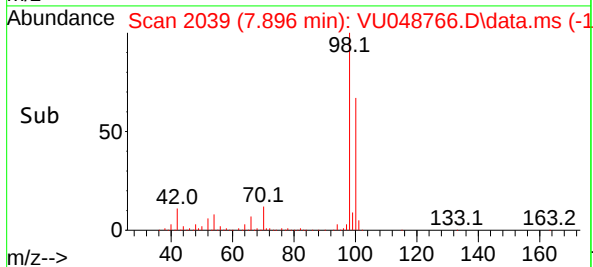
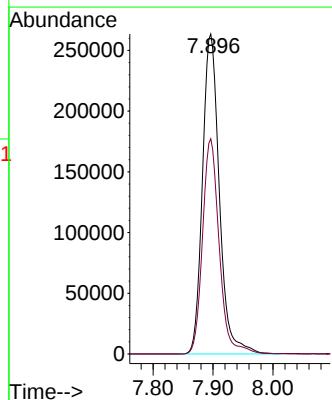
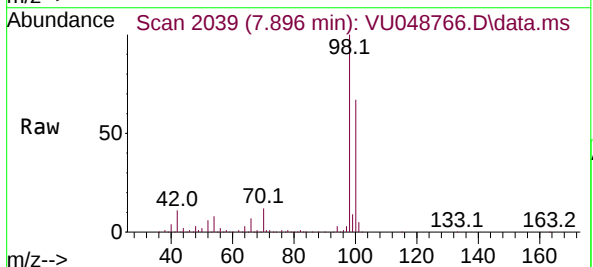
Instrument :
MSVOA_U
ClientSampleId :
SS-4

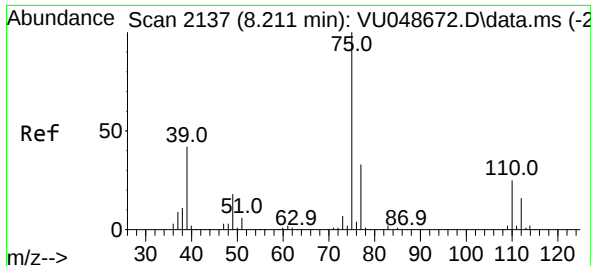
Tgt Ion:117 Resp: 25189
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 48.170 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

Tgt Ion: 98 Resp: 517058
Ion Ratio Lower Upper
98 100
100 66.4 52.2 78.4





#53

t-1,3-Dichloropropene

Concen: 0.451 ug/l

RT: 8.118 min Scan# 2137

Delta R.T. -0.093 min

Lab File: VU048766.D

Acq: 01 Jun 2022 02:59

Instrument :

MSVOA_U

ClientSampleId :

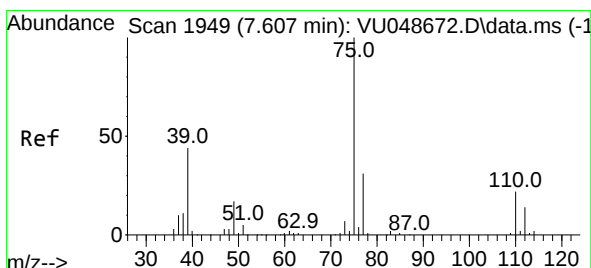
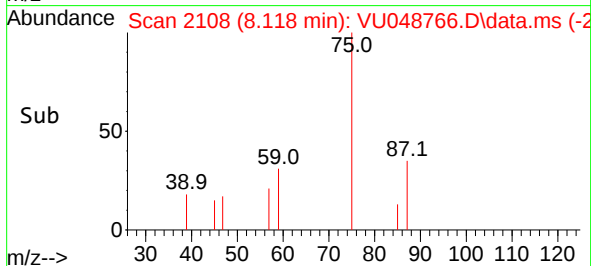
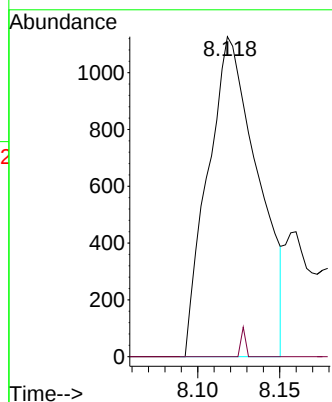
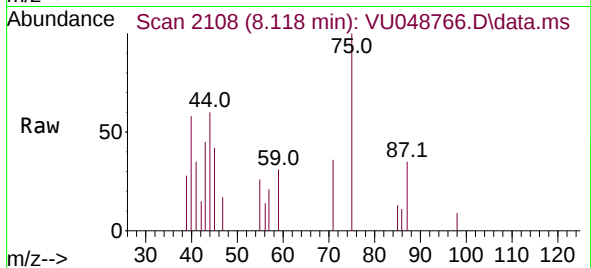
SS-4

Tgt Ion: 75 Resp: 2386

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.4#



#54

cis-1,3-Dichloropropene

Concen: 0.322 ug/l

RT: 7.379 min Scan# 1878

Delta R.T. -0.228 min

Lab File: VU048766.D

Acq: 01 Jun 2022 02:59

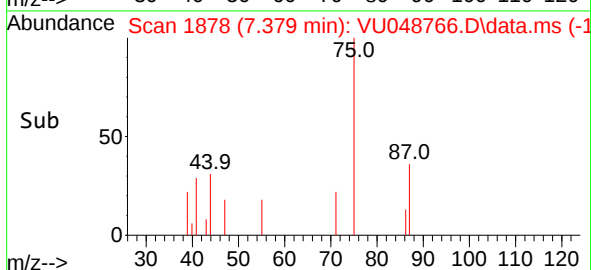
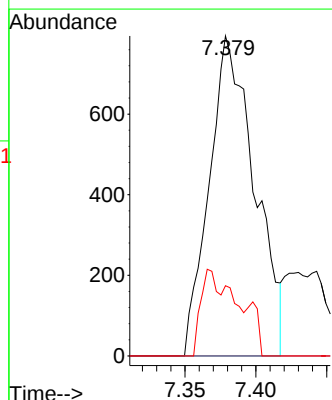
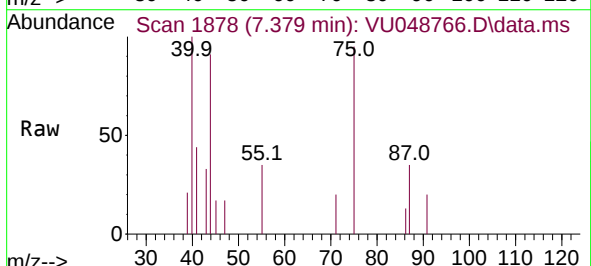
Tgt Ion: 75 Resp: 1767

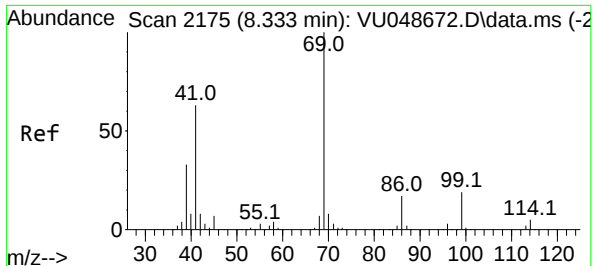
Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#

39 21.9 35.2 52.8#





#56

Ethyl methacrylate

Concen: 2.621 ug/l

RT: 8.234 min Scan# 2175

Delta R.T. -0.099 min

Lab File: VU048766.D

Acq: 01 Jun 2022 02:59

Instrument :

MSVOA_U

ClientSampleId :

SS-4

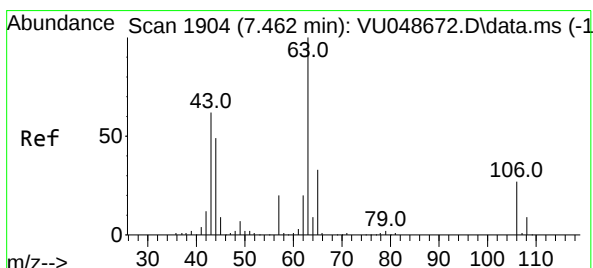
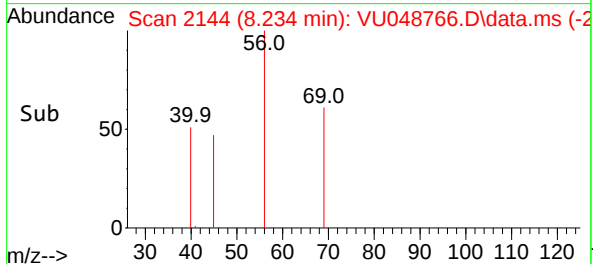
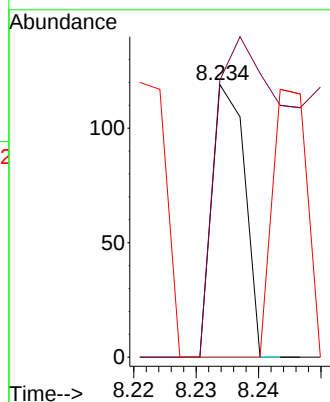
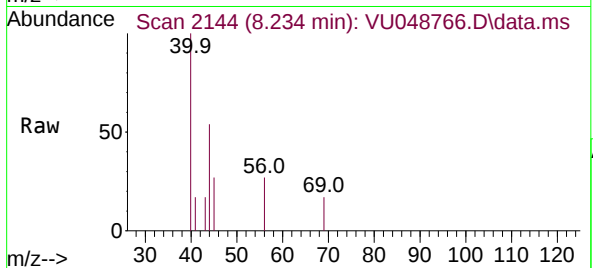
Tgt Ion: 69 Resp: 43

Ion Ratio Lower Upper

69 100

41 269.8 50.6 76.0#

39 104.7 26.6 40.0#



#58

2-Chloroethyl Vinyl ether

Concen: 29.881 ug/l

RT: 7.469 min Scan# 1906

Delta R.T. 0.007 min

Lab File: VU048766.D

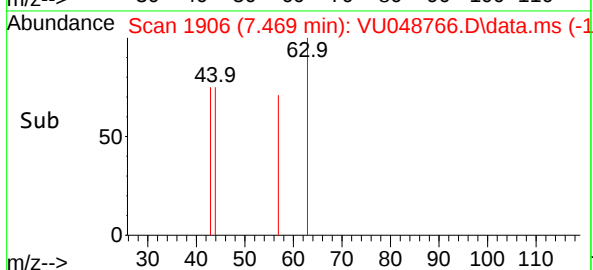
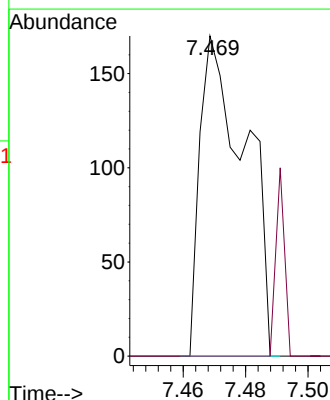
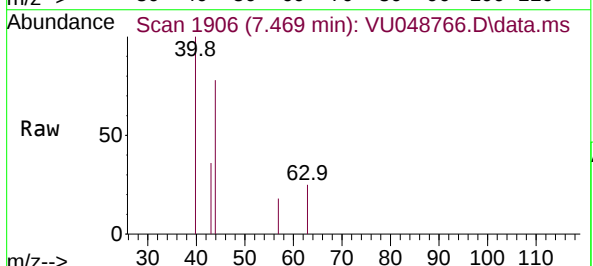
Acq: 01 Jun 2022 02:59

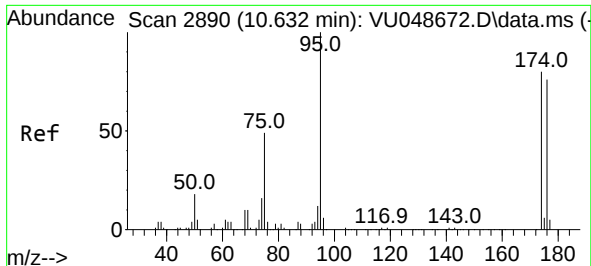
Tgt Ion: 63 Resp: 171

Ion Ratio Lower Upper

63 100

106 0.0 22.2 33.2#

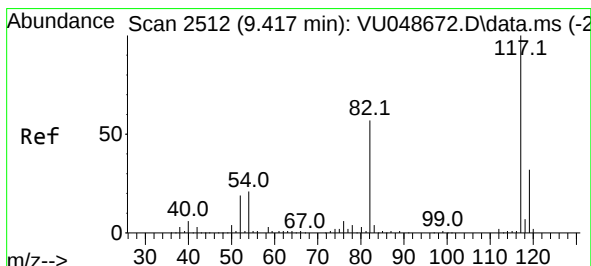
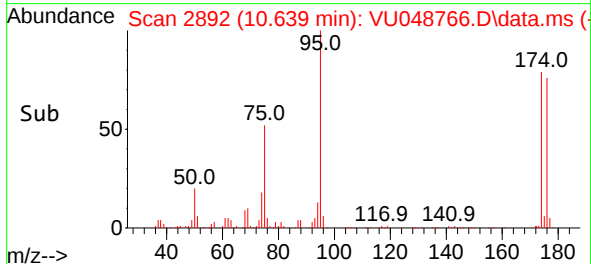
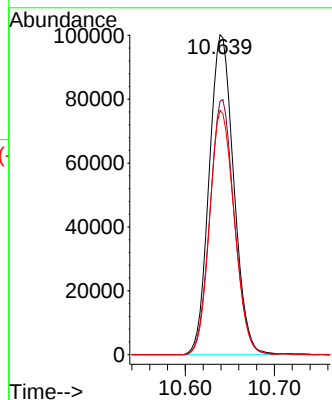
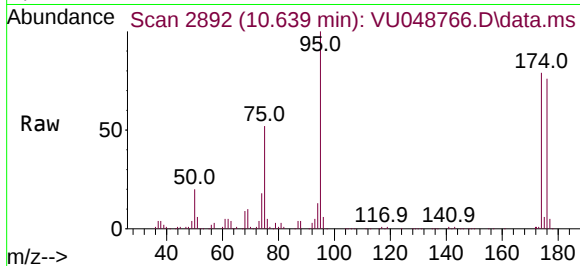




#62
4-Bromofluorobenzene
Concen: 47.309 ug/l
RT: 10.639 min Scan# 2113
Delta R.T. 0.007 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

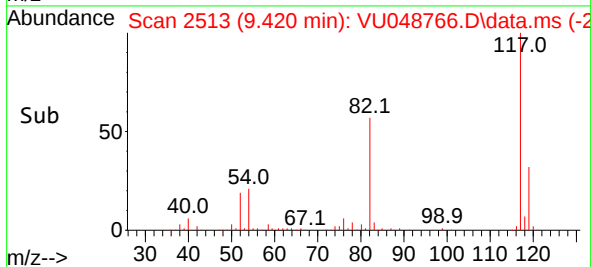
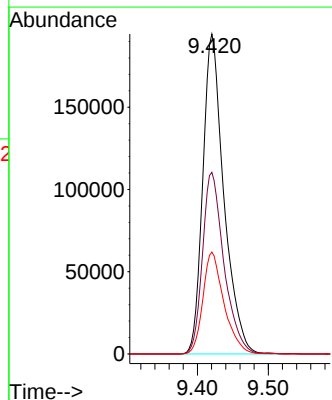
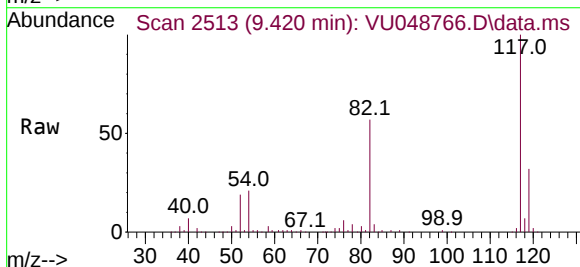
Instrument :
MSVOA_U
ClientSampleId :
SS-4

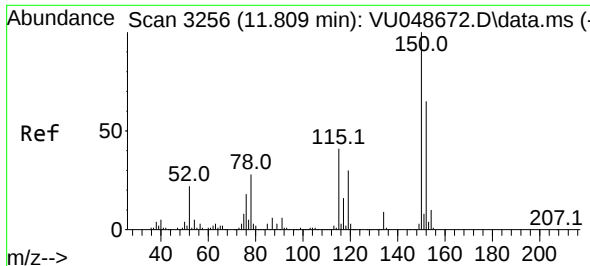
Tgt Ion: 95 Resp: 192050
Ion Ratio Lower Upper
95 100
174 79.3 0.0 159.4
176 76.6 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

Tgt Ion: 117 Resp: 401783
Ion Ratio Lower Upper
117 100
82 56.8 45.3 67.9
119 31.8 25.4 38.2

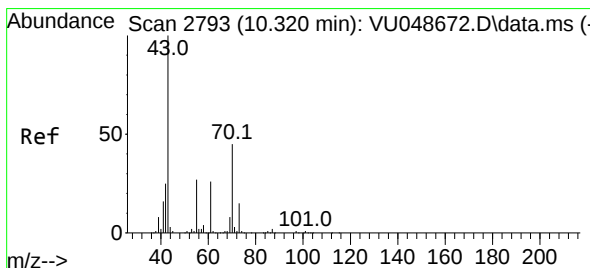
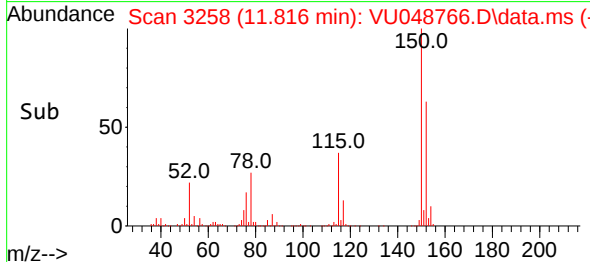
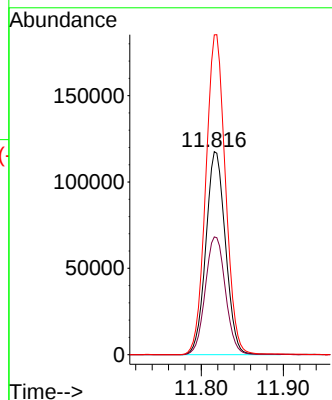
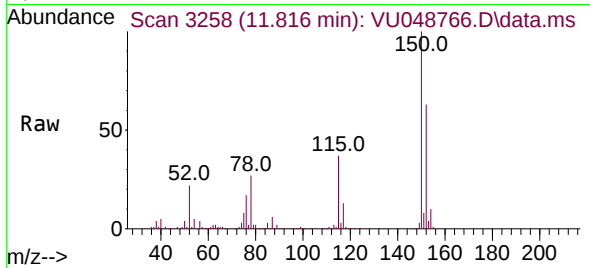




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 31
Delta R.T. 0.007 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

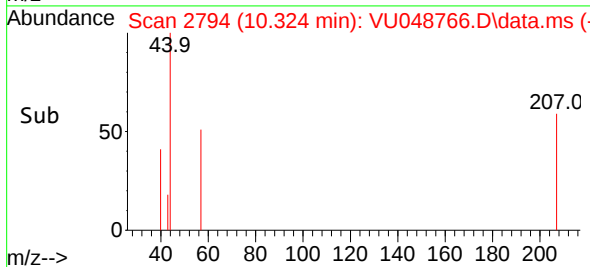
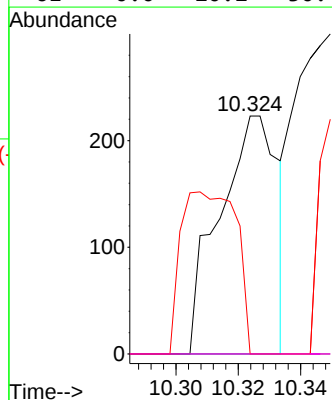
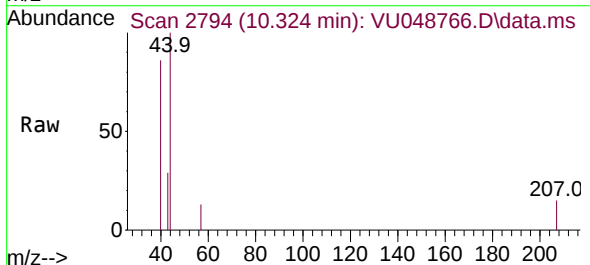
Instrument :
MSVOA_U
ClientSampleId :
SS-4

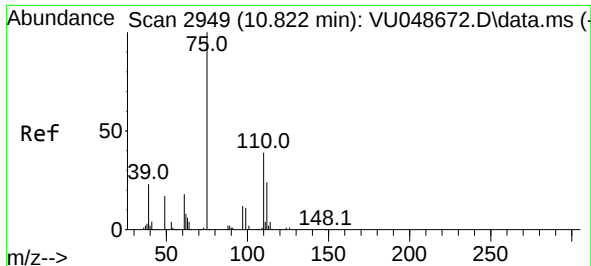
Tgt Ion:152 Resp: 195020
Ion Ratio Lower Upper
152 100
115 59.7 41.8 125.4
150 157.7 0.0 341.0



#74
N-ethyl acetate
Concen: 2.510 ug/l
RT: 10.324 min Scan# 2794
Delta R.T. 0.004 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.6#
55 64.7 21.1 31.7#
61 0.0 20.2 30.4#

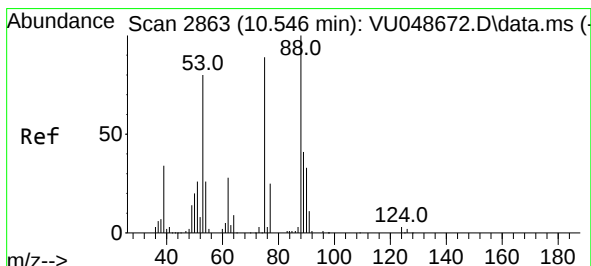
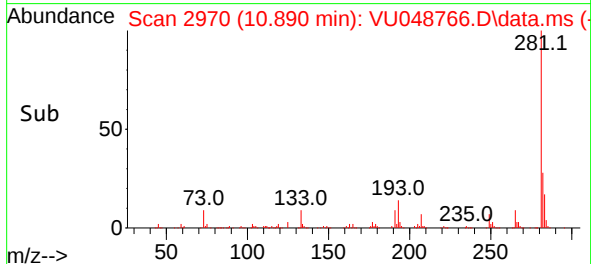
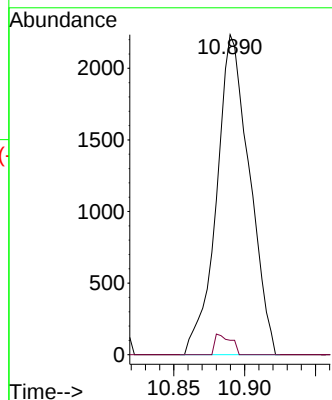
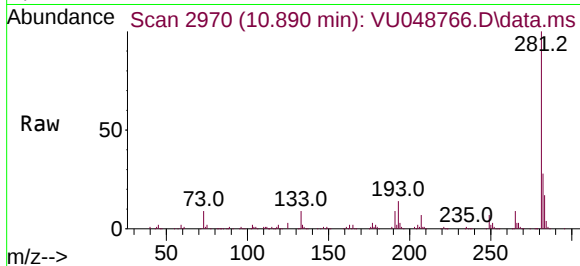




#76
1,2,3-Trichloropropane
Concen: 0.574 ug/l
RT: 10.890 min Scan# 2949
Delta R.T. 0.068 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

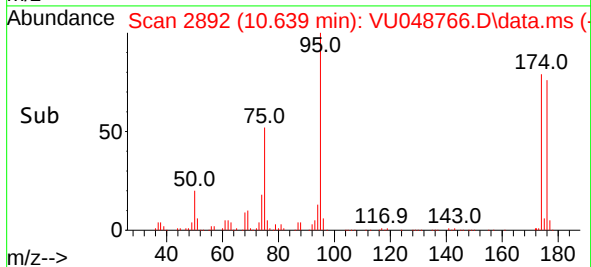
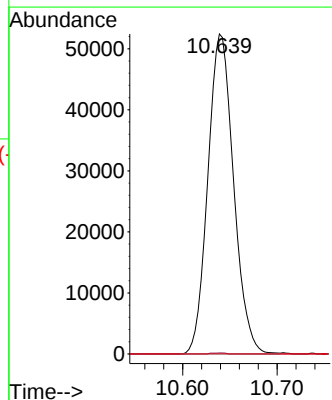
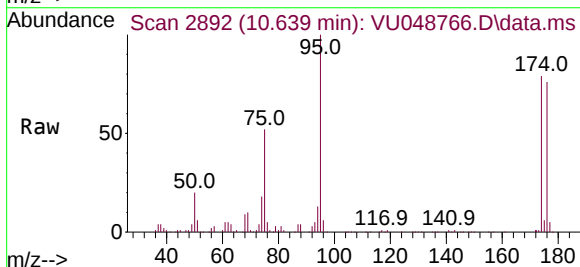
Instrument :
MSVOA_U
ClientSampleId :
SS-4

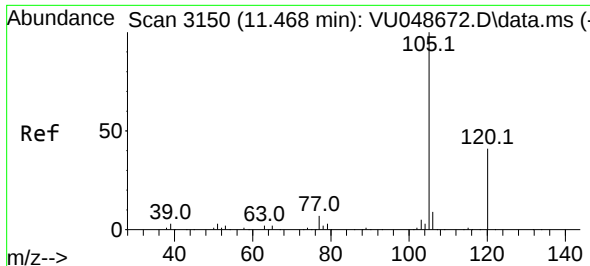
Tgt Ion: 75 Resp: 3610
Ion Ratio Lower Upper
75 100
77 3.1 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.236 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.093 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

Tgt Ion: 75 Resp: 99121
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.0 37.0 55.4#

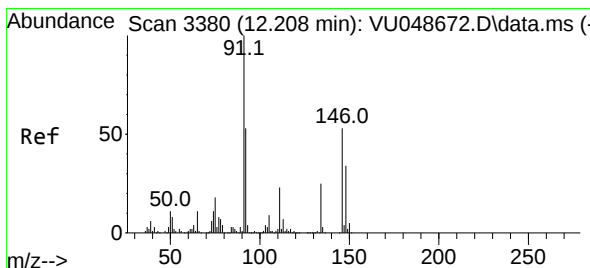
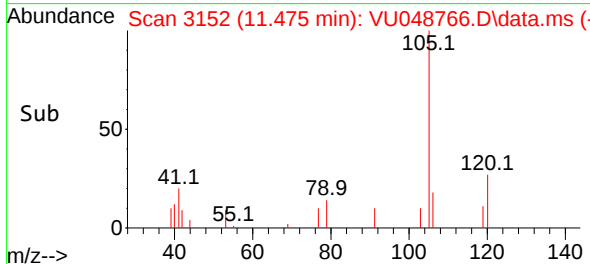
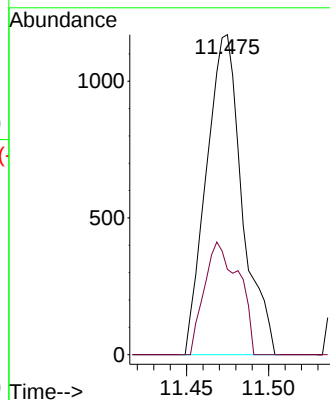
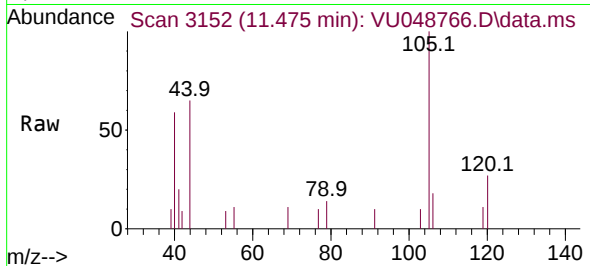




#84
1,2,4-Trimethylbenzene
Concen: 1.334 ug/l
RT: 11.475 min Scan# 3150
Delta R.T. 0.007 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

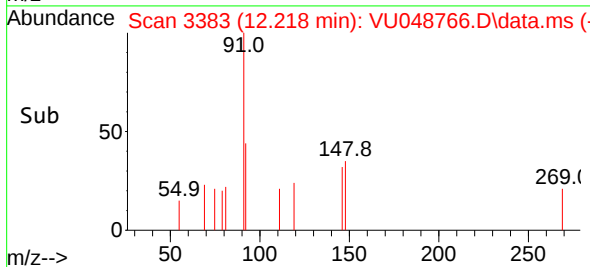
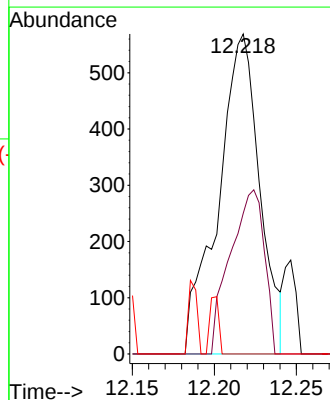
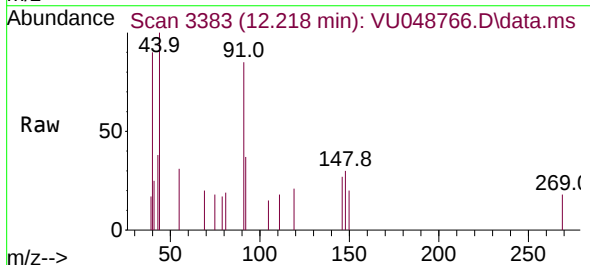
Instrument :
MSVOA_U
ClientSampleId :
SS-4

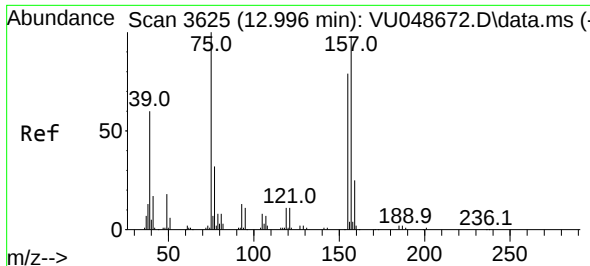
Tgt Ion:105 Resp: 1773
Ion Ratio Lower Upper
105 100
120 33.8 22.5 67.5



#89
n-Butylbenzene
Concen: 2.270 ug/l
RT: 12.218 min Scan# 3383
Delta R.T. 0.010 min
Lab File: VU048766.D
Acq: 01 Jun 2022 02:59

Tgt Ion: 91 Resp: 1003
Ion Ratio Lower Upper
91 100
92 42.1 25.9 77.8
134 0.0 12.5 37.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.741 ug/l

RT: 12.774 min Scan# 3556

Delta R.T. -0.222 min

Lab File: VU048766.D

Acq: 01 Jun 2022 02:59

Instrument :

MSVOA_U

ClientSampleId :

SS-4

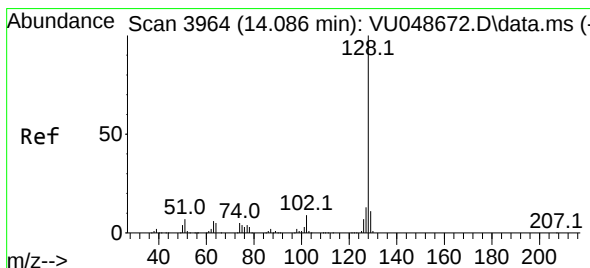
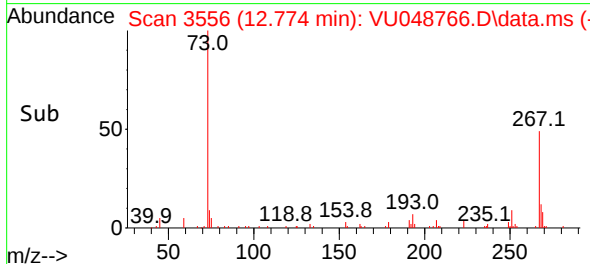
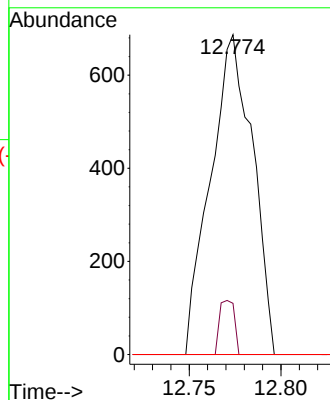
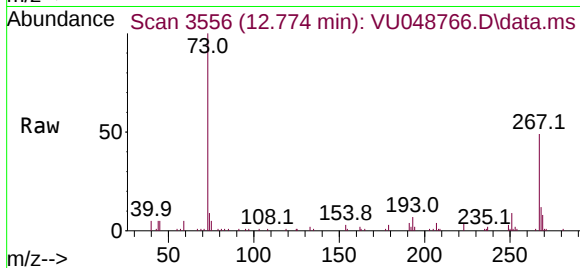
Tgt Ion: 75 Resp: 1096

Ion Ratio Lower Upper

75 100

155 5.9 40.3 120.8#

157 0.0 50.0 150.0#



#95

Naphthalene

Concen: 2.874 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.009 min

Lab File: VU048766.D

Acq: 01 Jun 2022 02:59

Tgt Ion: 128 Resp: 5514

Ion Ratio Lower Upper

128 100

127 6.7 10.2 15.4#

129 13.2 8.7 13.1#

