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 Data File : VU048767.D
 Acq On : 01 Jun 2022 03:23
 Operator : SY/MD
 Sample : N3099-04 20X
 Misc : 3.73g/10.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 20220429-AMENDED-COMPOSITE-I

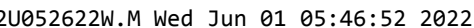
Quant Time: Jun 01 05:46:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

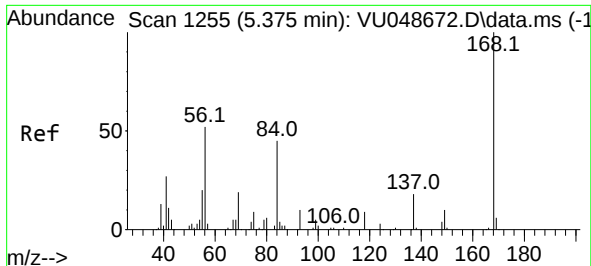
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.362	168	301854	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.243	114	516261	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	496857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	244565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	227231	50.125	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.260%			
35) Dibromofluoromethane	5.292	113	168576	45.770	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.540%			
50) Toluene-d8	7.896	98	616632	46.705	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.420%			
62) 4-Bromofluorobenzene	10.639	95	234333	46.931	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.860%			
Target Compounds						Qvalue
3) Chloromethane	1.514	50	1494	0.336	ug/l	94
5) Bromomethane	1.858	94	224	Below Cal	#	13
6) Chloroethane	1.890	64	881	Below Cal	#	59
10) Methyl Iodide	2.668	142	1959	3.389	ug/l #	97
11) Tert butyl alcohol	3.170	59	23164	20.155	ug/l #	29
13) Acrolein	2.491	56	93	Below Cal	#	14
16) Acetone	2.658	43	9467	4.098	ug/l #	82
17) Carbon Disulfide	2.732	76	1887	0.210	ug/l #	75
18) Methyl Acetate	2.954	43	200087	34.495	ug/l	98
20) Methylene Chloride	3.025	84	1656	0.422	ug/l	92
25) 2-Butanone	4.735	43	69122	20.827	ug/l	98
29) Tetrahydrofuran	5.073	42	1923	0.920	ug/l #	64
31) Cyclohexane	5.359	56	6573	1.151	ug/l #	1
36) 1,1-Dichloropropene	5.362	75	27011	5.025	ug/l #	50
37) Ethyl Acetate	4.735	43	69122	10.172	ug/l #	68
38) Carbon Tetrachloride	5.362	117	31030	5.032	ug/l #	16
43) Isopropyl Acetate	5.983	43	12997	1.318	ug/l #	60
56) Ethyl methacrylate	8.224	69	718	2.716	ug/l #	26
58) 2-Chloroethyl Vinyl ether	7.462	63	126	29.832	ug/l #	47
64) Tetrachloroethene	8.549	164	19	Below Cal	#	17
74) N-amyl acetate	10.346	43	1486	2.644	ug/l #	72
76) 1,2,3-Trichloropropane	10.639	75	119840	15.198	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.639	75	119840	55.181	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	2383	1.344	ug/l	95
89) n-Butylbenzene	12.208	91	1496	2.286	ug/l	79
92) 1,2-Dibromo-3-Chloropr...	12.906	75	557	0.300	ug/l #	4
95) Naphthalene	14.092	128	8843	2.969	ug/l #	92

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

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Quant Title : SW846 8260
QLast Update : Fri May 27 06:42:31 2022
Response via : Initial Calibration

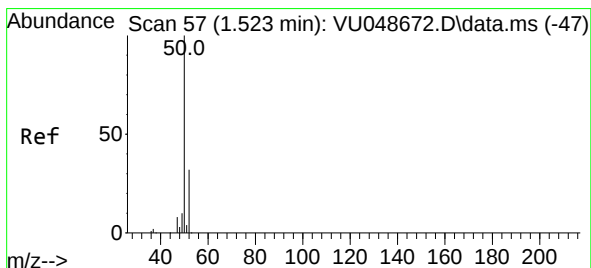
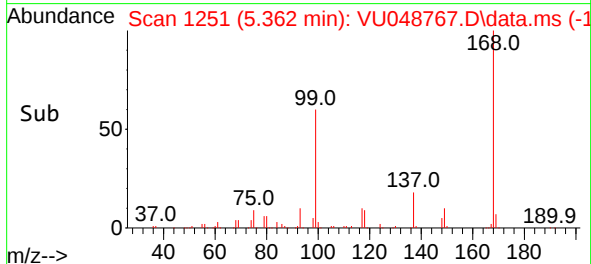
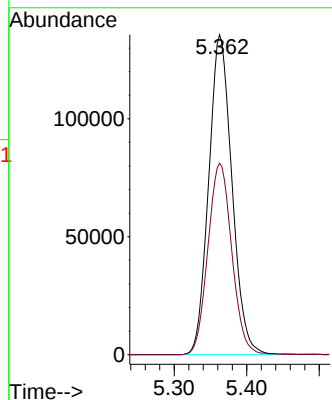
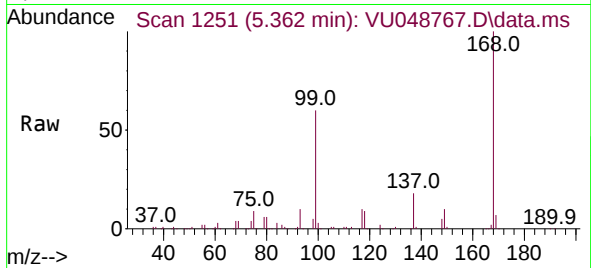




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.362 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

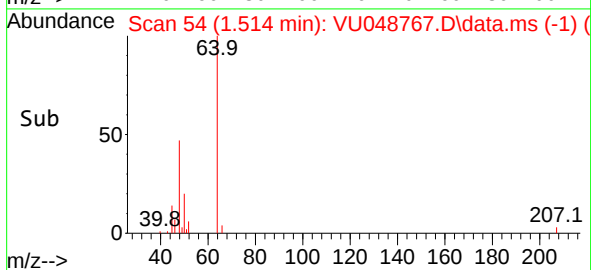
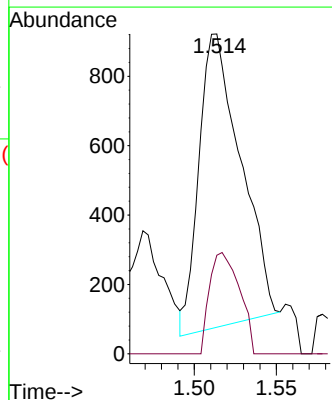
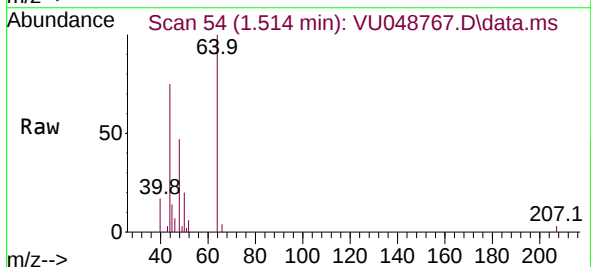
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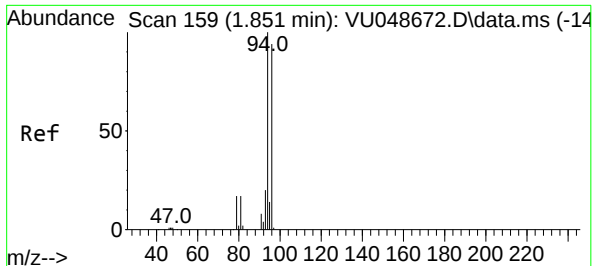
Tgt Ion:168 Resp: 301854
Ion Ratio Lower Upper
168 100
99 59.9 49.3 73.9



#3
Chloromethane
Concen: 0.336 ug/l
RT: 1.514 min Scan# 54
Delta R.T. -0.010 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

Tgt Ion: 50 Resp: 1494
Ion Ratio Lower Upper
50 100
52 35.5 25.7 38.5

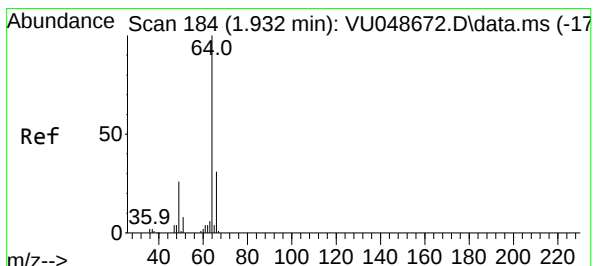
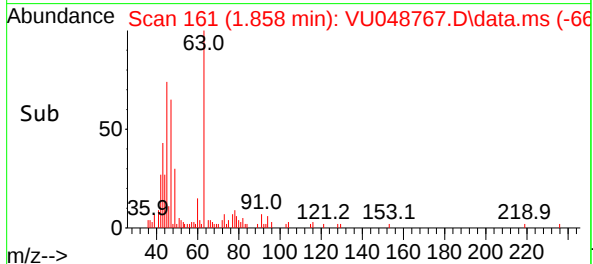
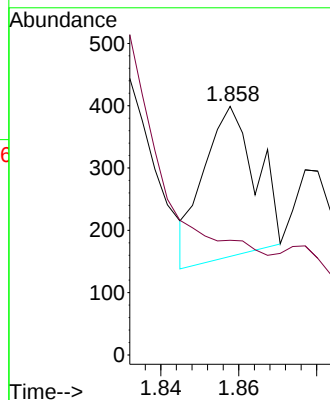
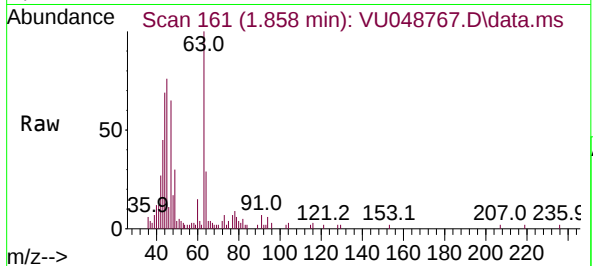




#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

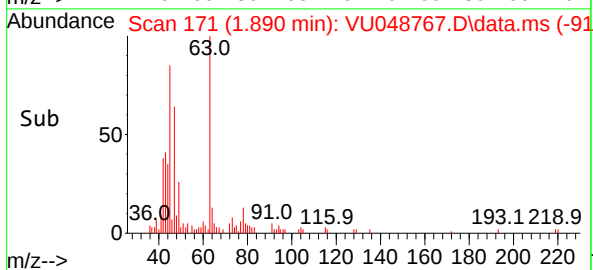
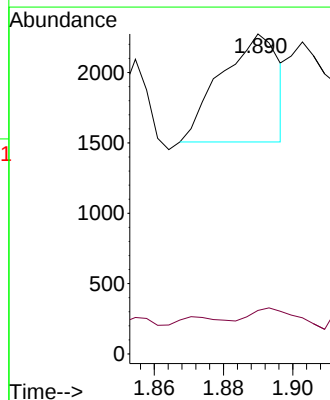
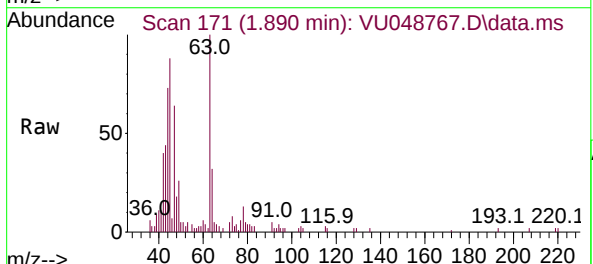
Instrument :
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ClientSampleId :
20220429-AMENDED-COMPOSITE-I

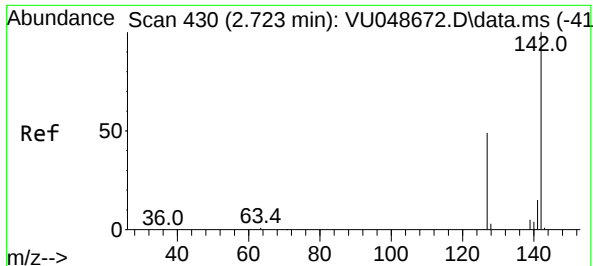
Tgt Ion: 94 Resp: 224
Ion Ratio Lower Upper
94 100
96 9.5 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.890 min Scan# 171
Delta R.T. -0.042 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

Tgt Ion: 64 Resp: 881
Ion Ratio Lower Upper
64 100
66 8.9 25.2 37.8#

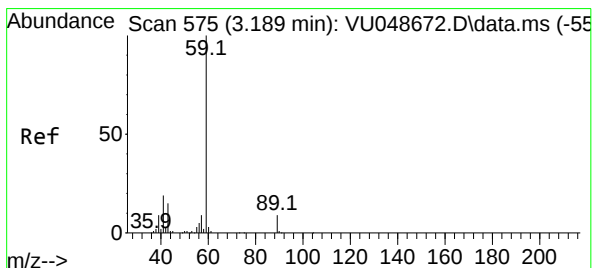
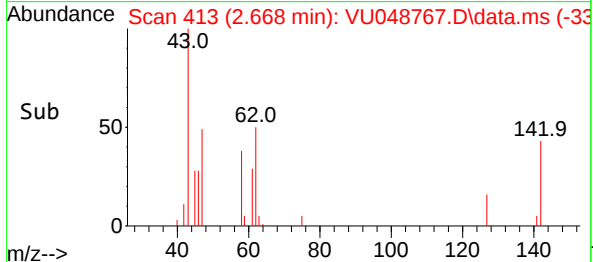
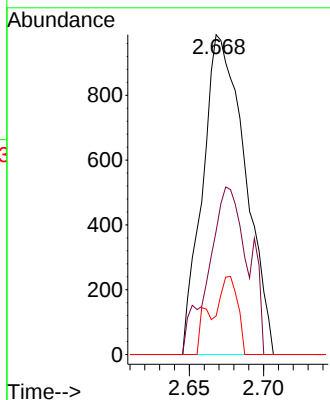
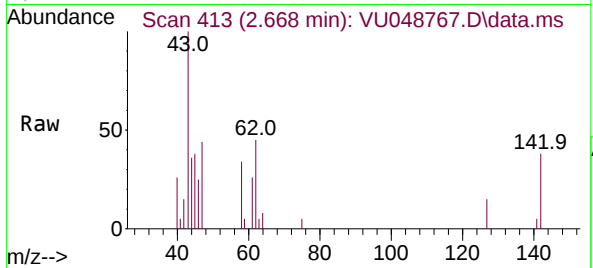




#10
Methyl Iodide
Concen: 3.389 ug/l
RT: 2.668 min Scan# 41
Delta R.T. -0.055 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

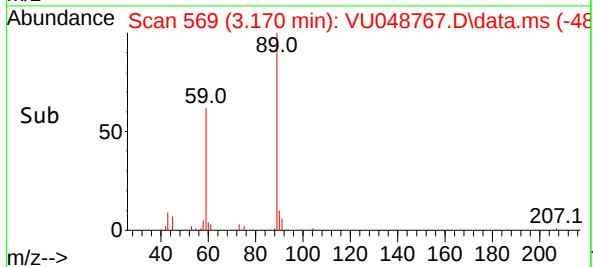
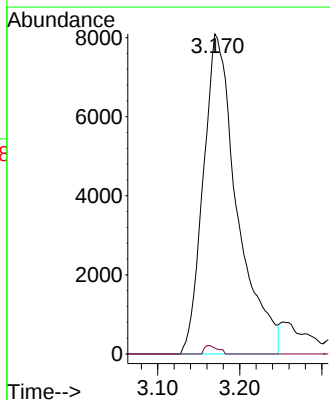
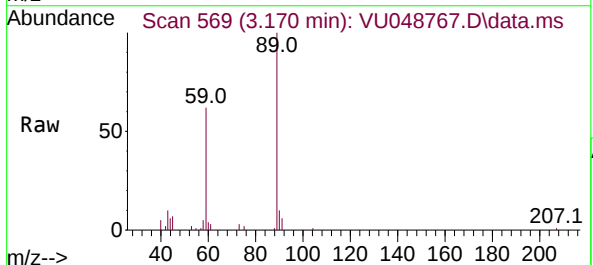
Instrument :
MSVOA_U
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

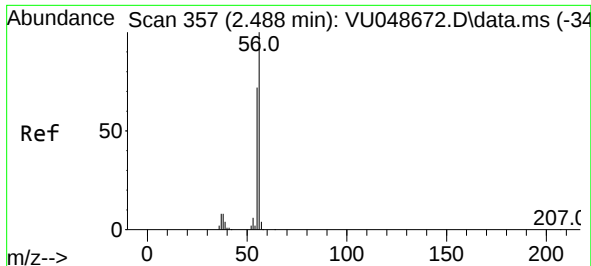
Tgt Ion:142 Resp: 1959
Ion Ratio Lower Upper
142 100
127 49.1 38.4 57.6
141 10.9 11.5 17.3#



#11
Tert butyl alcohol
Concen: 20.155 ug/l
RT: 3.170 min Scan# 569
Delta R.T. -0.019 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

Tgt Ion: 59 Resp: 23164
Ion Ratio Lower Upper
59 100
57 1.0 39.7 59.5#

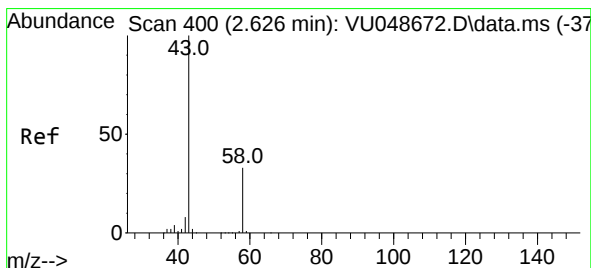
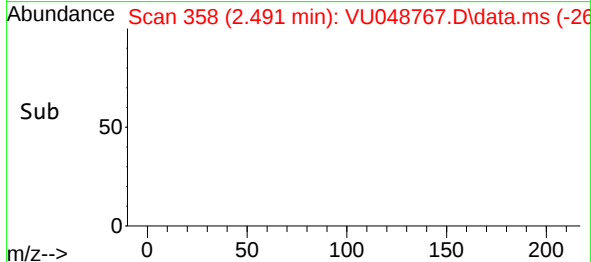
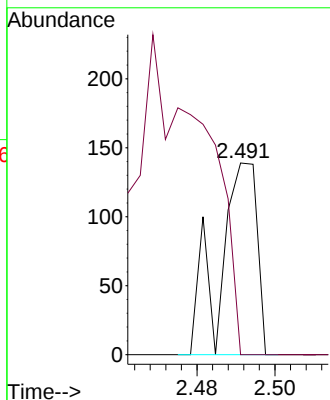
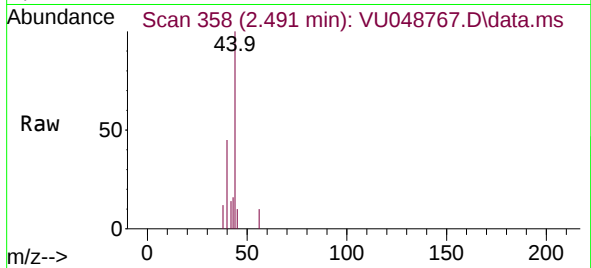




#13
Acrolein
Concen: Below Cal
RT: 2.491 min Scan# 310
Delta R.T. 0.003 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

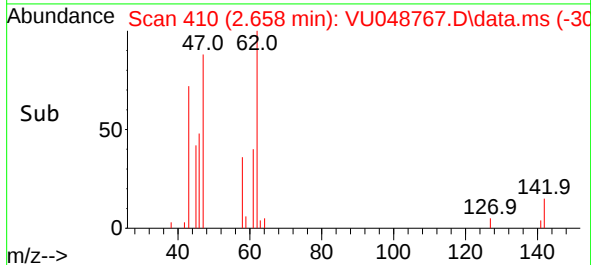
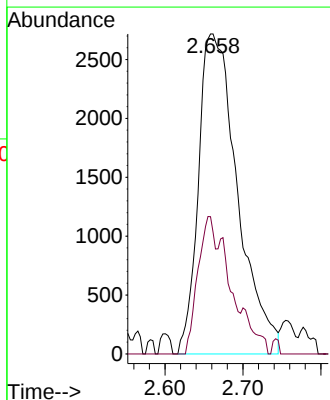
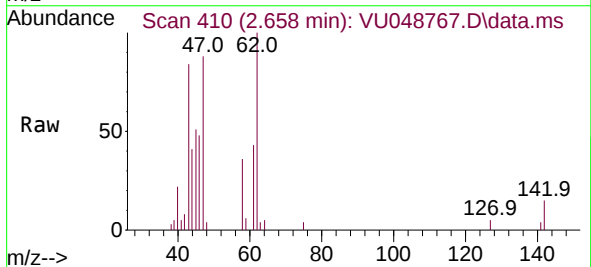
Instrument :
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ClientSampleId :
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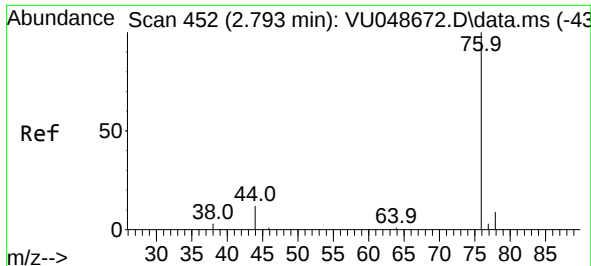
Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#16
Acetone
Concen: 4.098 ug/l
RT: 2.658 min Scan# 410
Delta R.T. 0.032 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

Tgt Ion: 43 Resp: 9467
Ion Ratio Lower Upper
43 100
58 42.9 26.3 39.5#

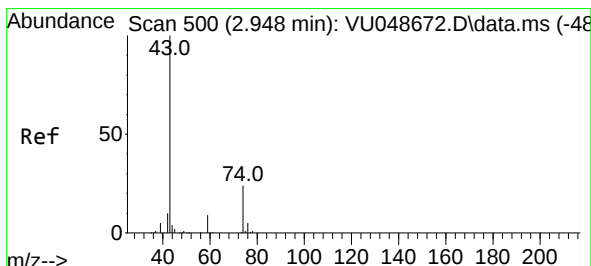
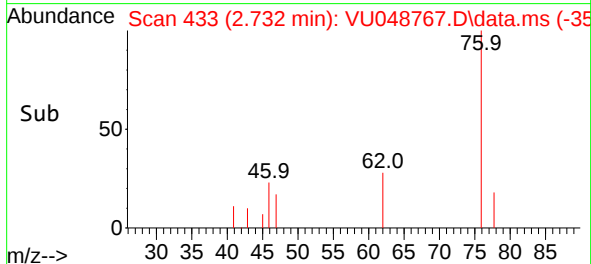
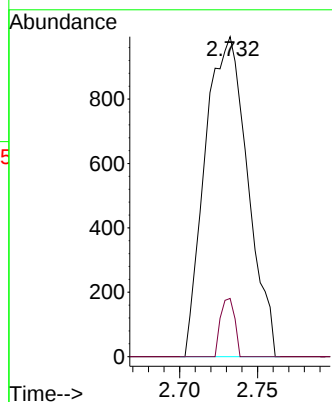
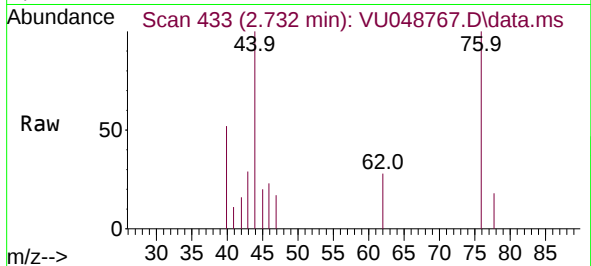




#17
Carbon Disulfide
Concen: 0.210 ug/l
RT: 2.732 min Scan# 41
Delta R.T. -0.061 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

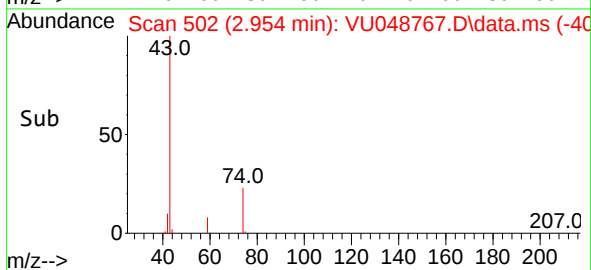
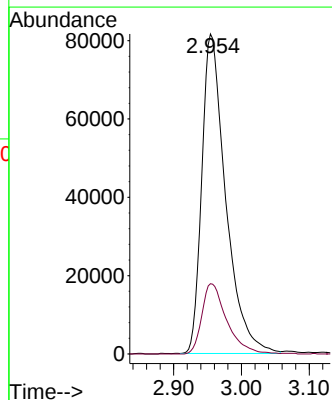
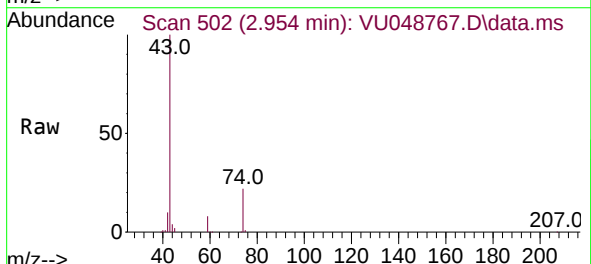
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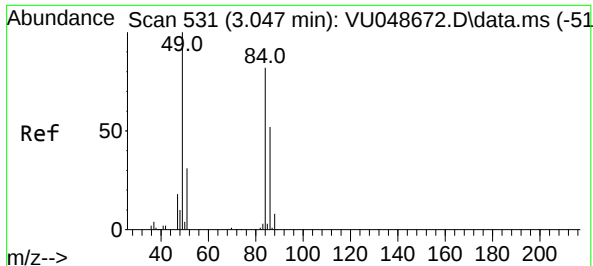
Tgt Ion: 76 Resp: 1887
Ion Ratio Lower Upper
76 100
78 18.2 7.3 10.9#



#18
Methyl Acetate
Concen: 34.495 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

Tgt Ion: 43 Resp: 200087
Ion Ratio Lower Upper
43 100
74 22.9 19.2 28.8

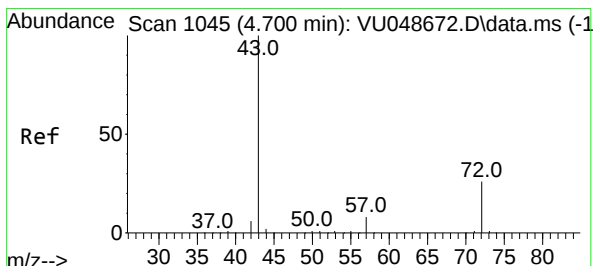
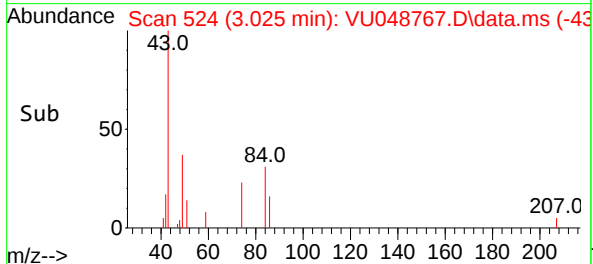
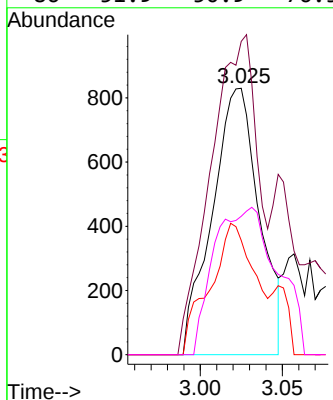
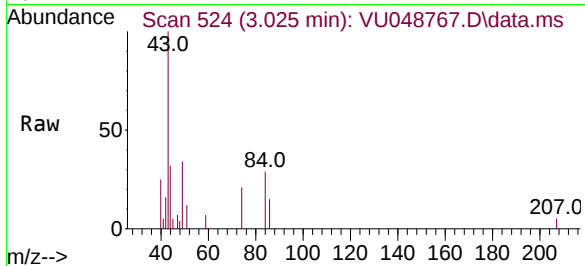




#20
Methylene Chloride
Concen: 0.422 ug/l
RT: 3.025 min Scan# 51
Delta R.T. -0.023 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

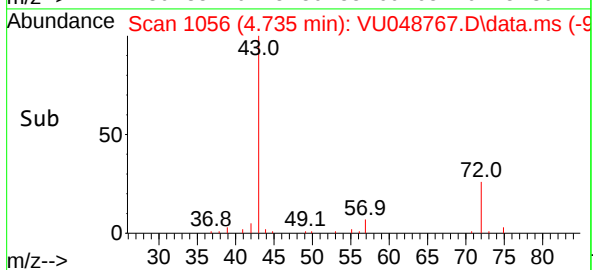
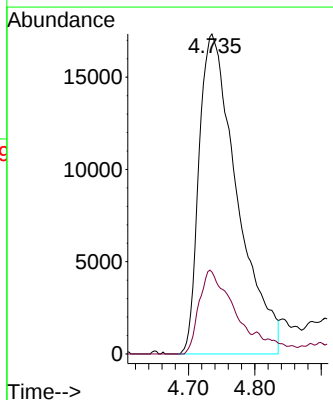
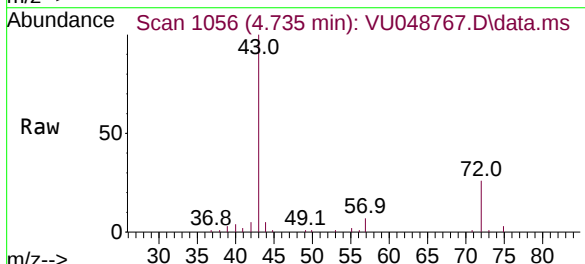
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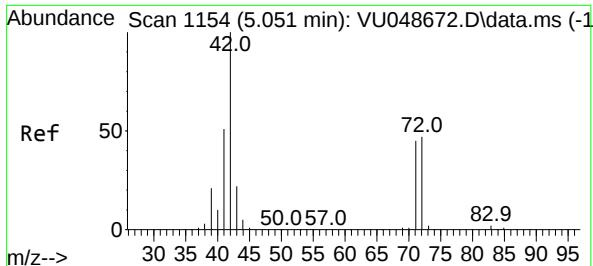
Tgt Ion:	84	Resp:	1656
Ion	Ratio	Lower	Upper
84	100		
49	117.6	97.0	145.4
51	42.9	29.8	44.8
86	51.9	50.9	76.3



#25
2-Butanone
Concen: 20.827 ug/l
RT: 4.735 min Scan# 1056
Delta R.T. 0.035 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

Tgt Ion:	43	Resp:	69122
Ion	Ratio	Lower	Upper
43	100		
72	25.6	21.1	31.7





#29

Tetrahydrofuran

Concen: 0.920 ug/l

RT: 5.073 min Scan# 1161

Delta R.T. 0.023 min

Lab File: VU048767.D

Acq: 01 Jun 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

20220429-AMENDED-COMPOSITE-I

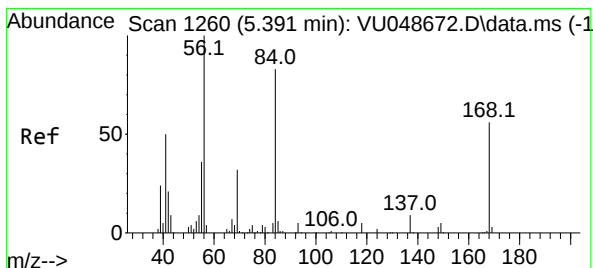
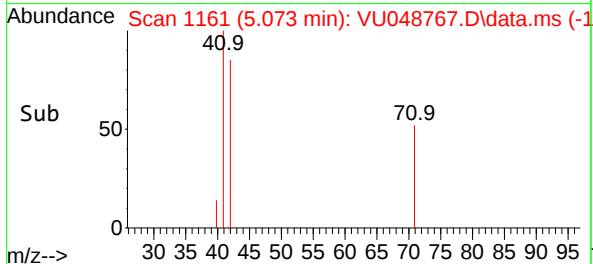
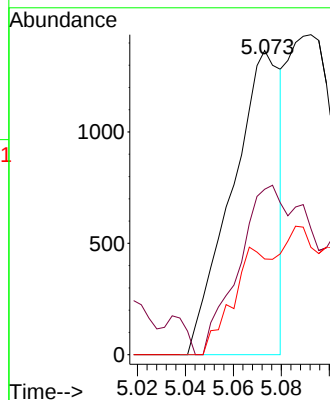
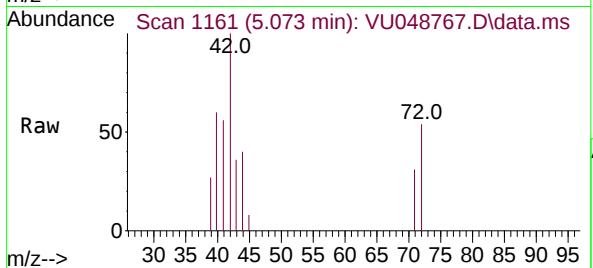
Tgt Ion: 42 Resp: 1923

Ion Ratio Lower Upper

42 100

72 78.6 37.6 56.4#

71 28.3 35.0 52.4#



#31

Cyclohexane

Concen: 1.151 ug/l

RT: 5.359 min Scan# 1250

Delta R.T. -0.032 min

Lab File: VU048767.D

Acq: 01 Jun 2022 03:23

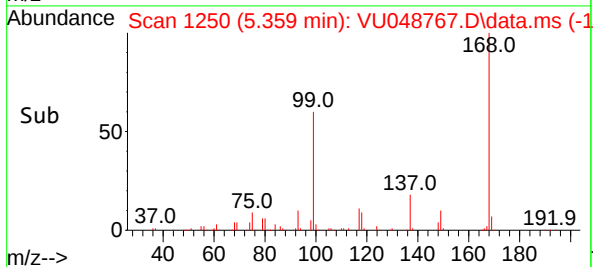
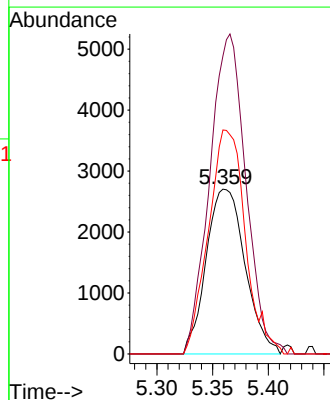
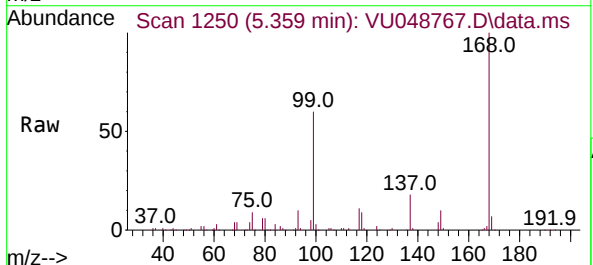
Tgt Ion: 56 Resp: 6573

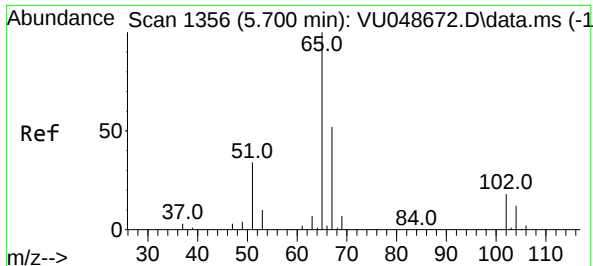
Ion Ratio Lower Upper

56 100

69 180.7 25.6 38.4#

84 135.9 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.125 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048767.D

Acq: 01 Jun 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

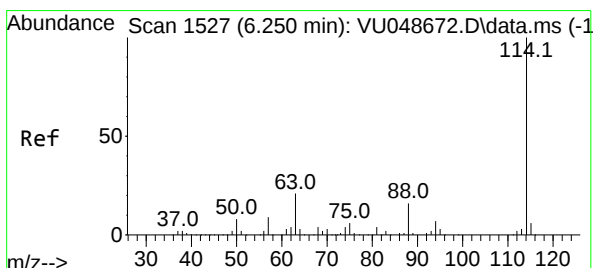
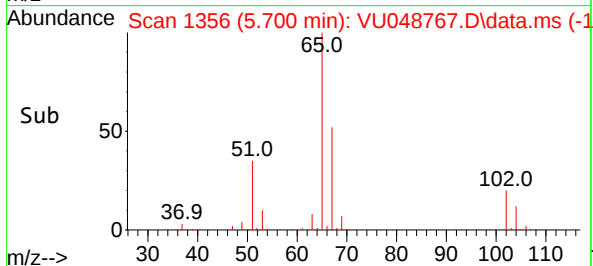
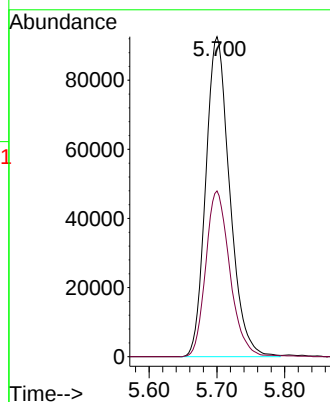
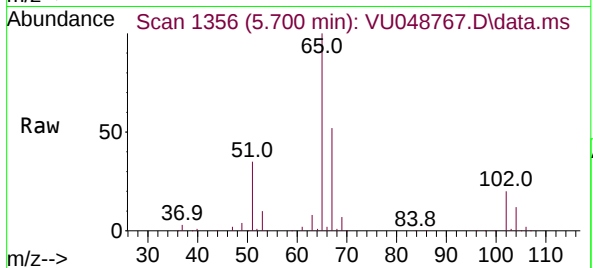
20220429-AMENDED-COMPOSITE-I

Tgt Ion: 65 Resp: 227231

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. -0.007 min

Lab File: VU048767.D

Acq: 01 Jun 2022 03:23

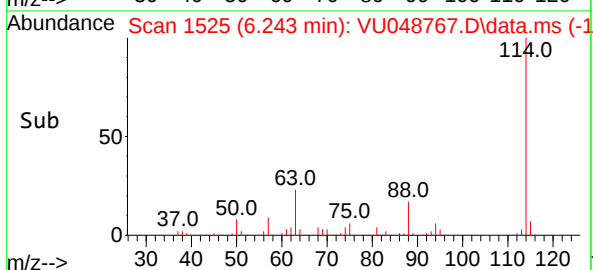
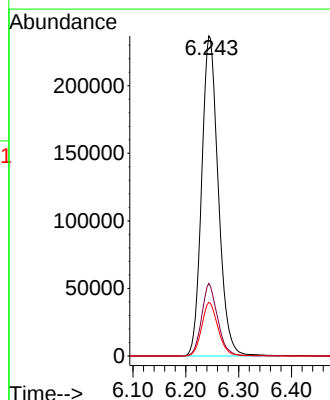
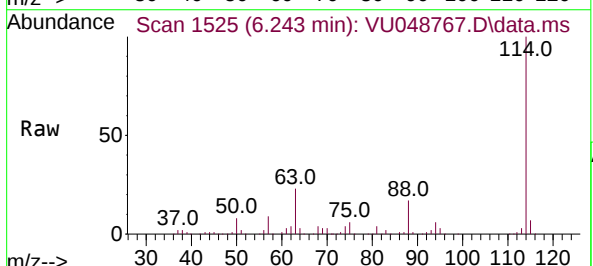
Tgt Ion: 114 Resp: 516261

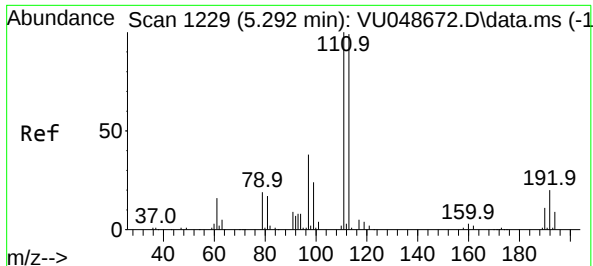
Ion Ratio Lower Upper

114 100

63 22.6 0.0 42.6

88 16.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 45.770 ug/l

RT: 5.292 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048767.D

Acq: 01 Jun 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

20220429-AMENDED-COMPOSITE-I

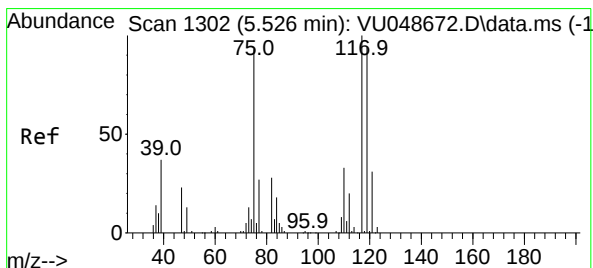
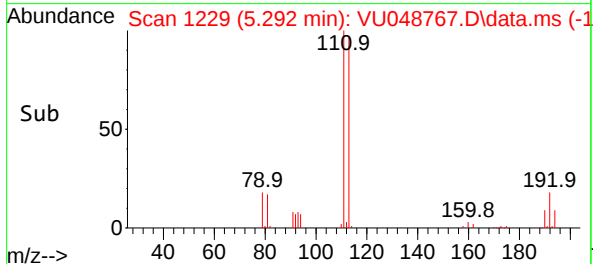
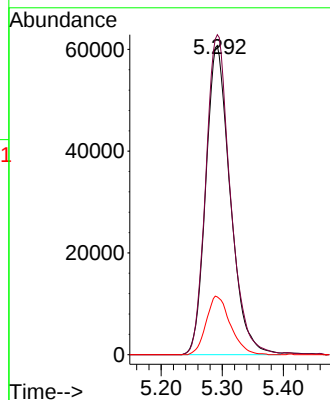
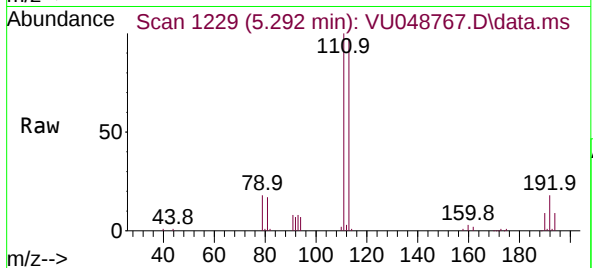
Tgt Ion:113 Resp: 168576

Ion Ratio Lower Upper

113 100

111 104.1 80.7 121.1

192 18.8 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.025 ug/l

RT: 5.362 min Scan# 1251

Delta R.T. -0.164 min

Lab File: VU048767.D

Acq: 01 Jun 2022 03:23

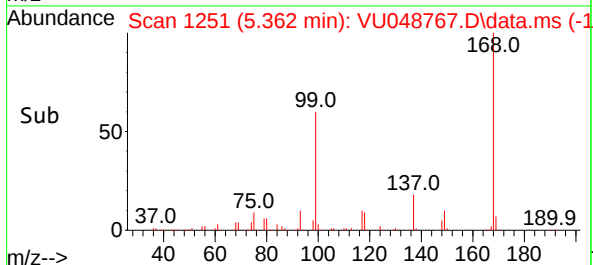
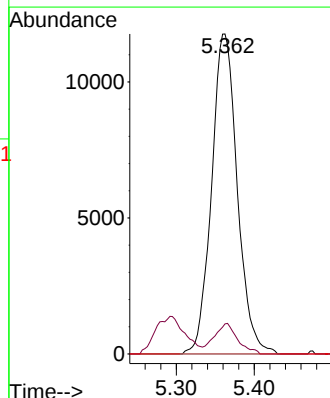
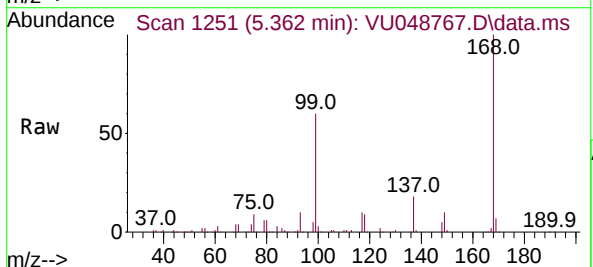
Tgt Ion: 75 Resp: 27011

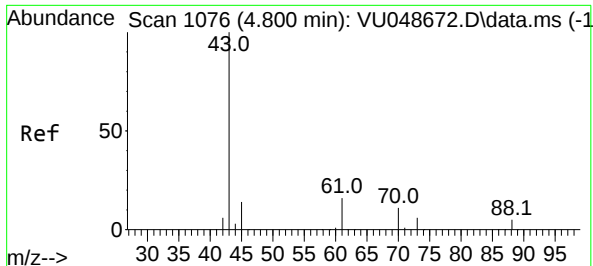
Ion Ratio Lower Upper

75 100

110 8.7 17.4 52.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 10.172 ug/l

RT: 4.735 min Scan# 1

Delta R.T. -0.064 min

Lab File: VU048767.D

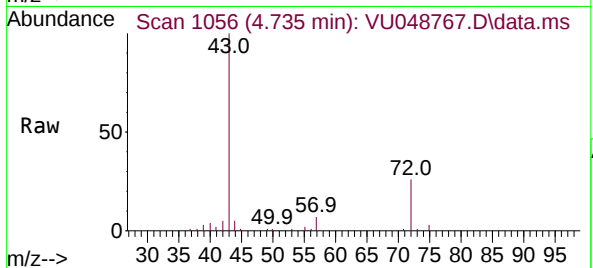
Acq: 01 Jun 2022 03:23

Instrument :

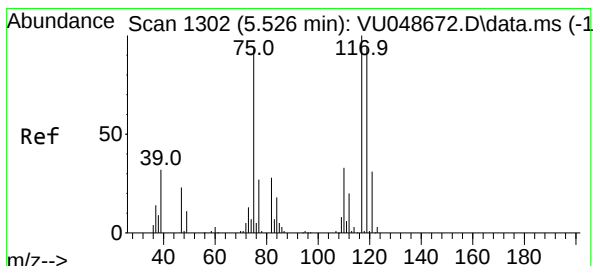
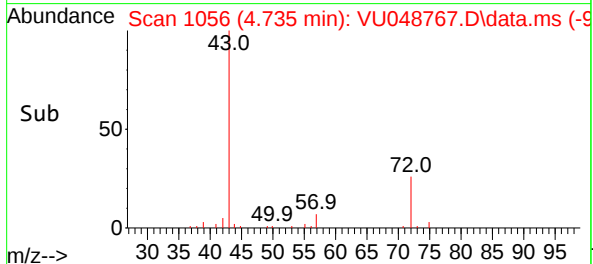
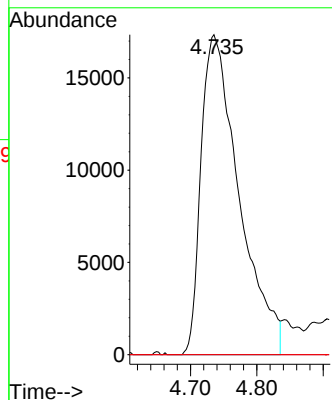
MSVOA_U

ClientSampleId :

20220429-AMENDED-COMPOSITE-I



Tgt Ion:	43	Resp:	69122
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	0.0	8.4	12.6#



#38

Carbon Tetrachloride

Concen: 5.032 ug/l

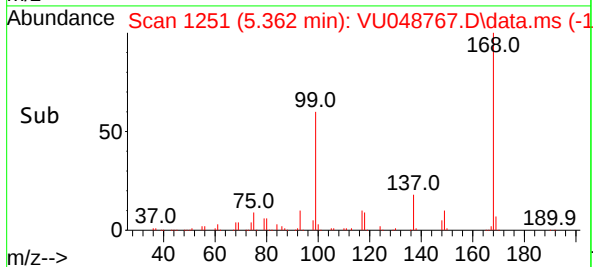
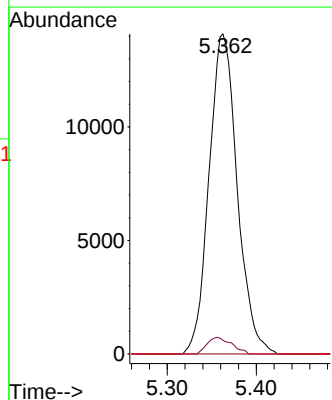
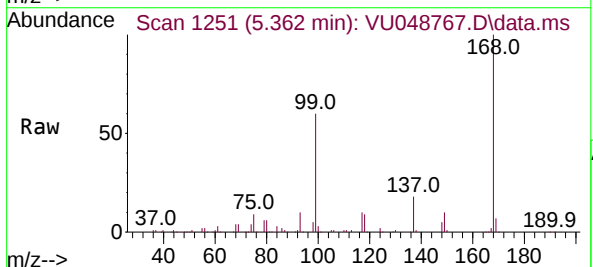
RT: 5.362 min Scan# 1251

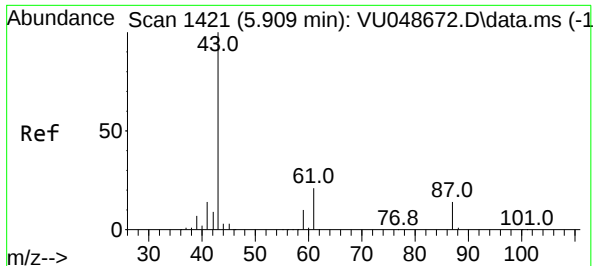
Delta R.T. -0.164 min

Lab File: VU048767.D

Acq: 01 Jun 2022 03:23

Tgt Ion:	117	Resp:	31030
Ion	Ratio	Lower	Upper
117	100		
119	4.3	75.4	113.2#
121	0.0	24.6	36.8#

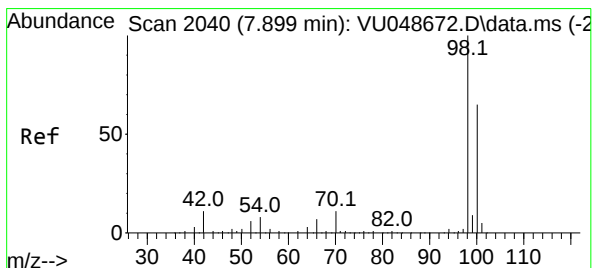
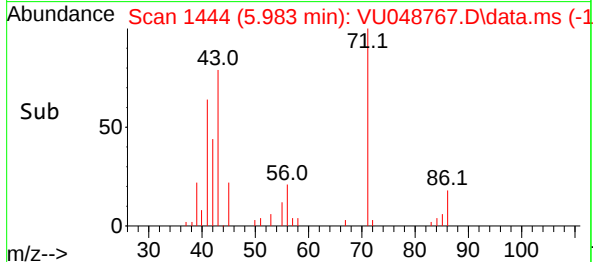
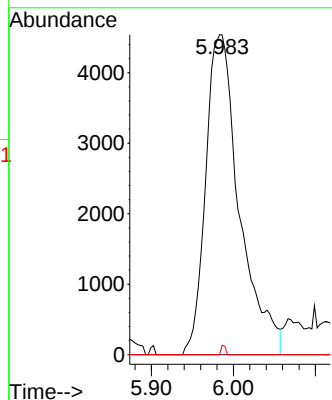
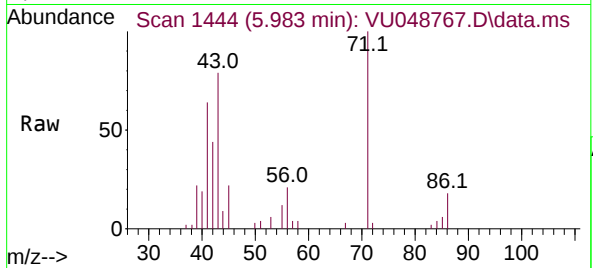




#43
Isopropyl Acetate
Concen: 1.318 ug/l
RT: 5.983 min Scan# 1421
Delta R.T. 0.074 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

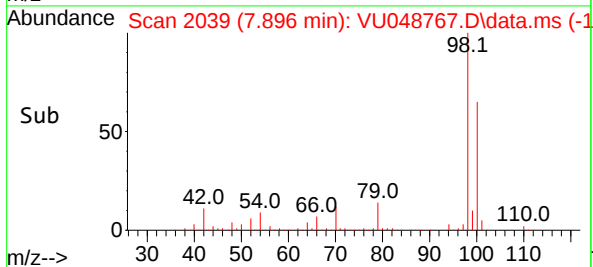
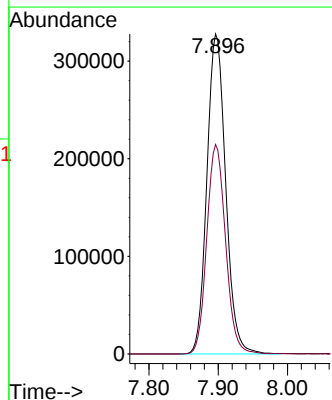
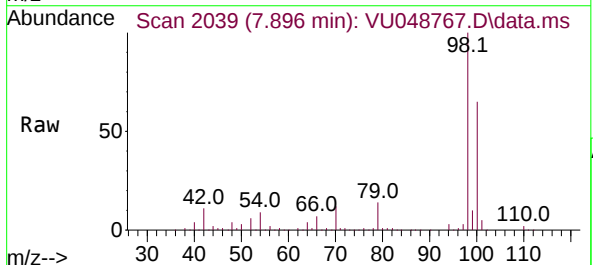
Instrument : MSVOA_U
ClientSampleId : 20220429-AMENDED-COMPOSITE-I

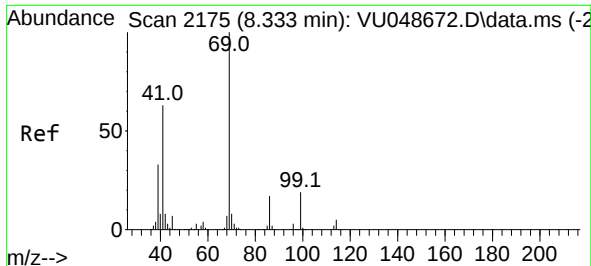
Tgt Ion: 43 Resp: 12997
Ion Ratio Lower Upper
43 100
61 0.0 16.7 25.1#
87 0.4 10.9 16.3#



#50
Toluene-d8
Concen: 46.705 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

Tgt Ion: 98 Resp: 616632
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

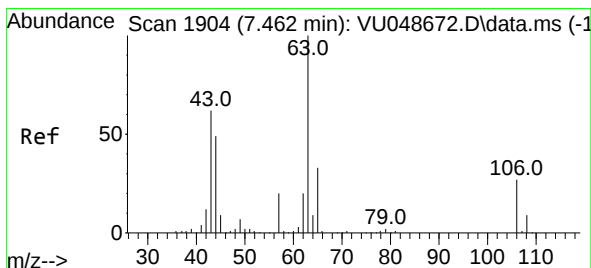
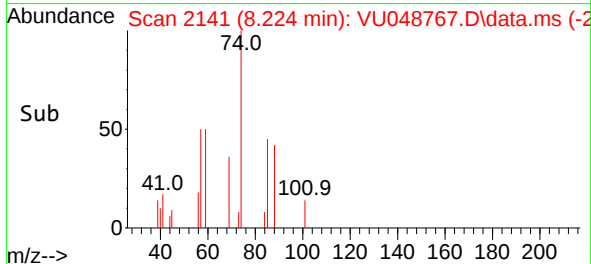
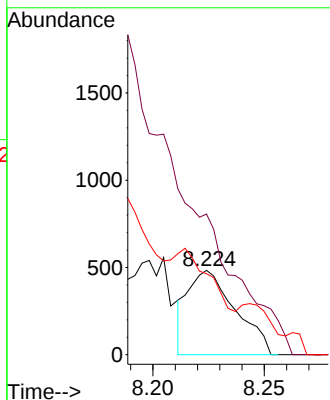
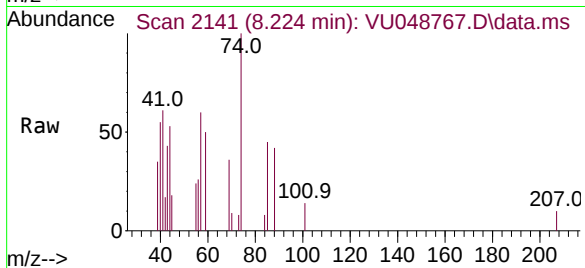




#56
Ethyl methacrylate
Concen: 2.716 ug/l
RT: 8.224 min Scan# 2175
Delta R.T. -0.109 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

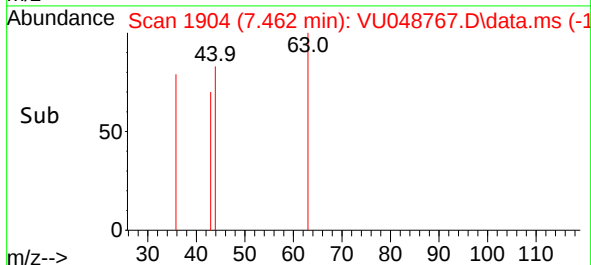
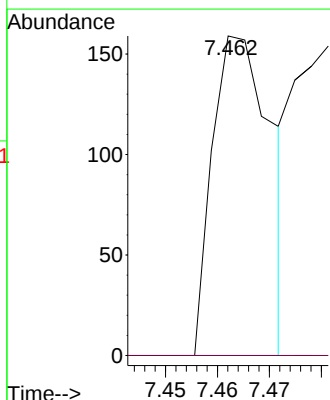
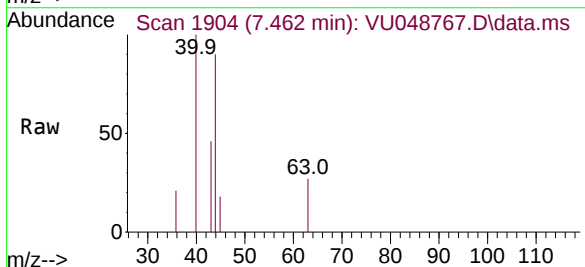
Instrument : MSVOA_U
ClientSampleId : 20220429-AMENDED-COMPOSITE-I

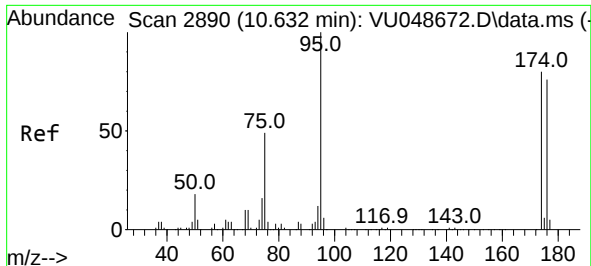
Tgt Ion: 69 Resp: 718
Ion Ratio Lower Upper
69 100
41 0.0 50.6 76.0#
39 0.0 26.6 40.0#



#58
2-Chloroethyl Vinyl ether
Concen: 29.832 ug/l
RT: 7.462 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

Tgt Ion: 63 Resp: 126
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

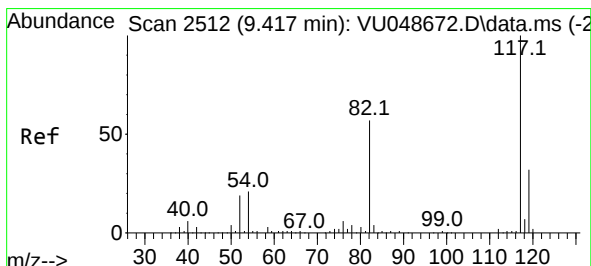
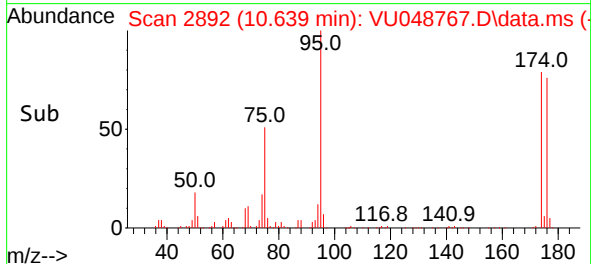
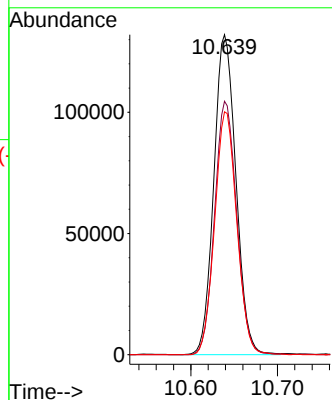
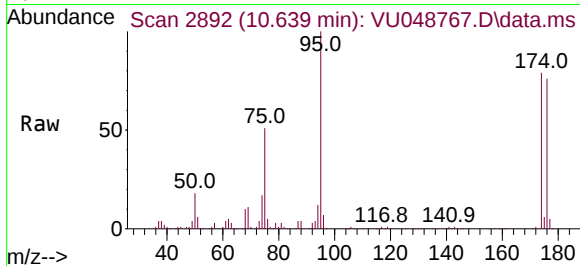




#62
4-Bromofluorobenzene
Concen: 46.931 ug/l
RT: 10.639 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

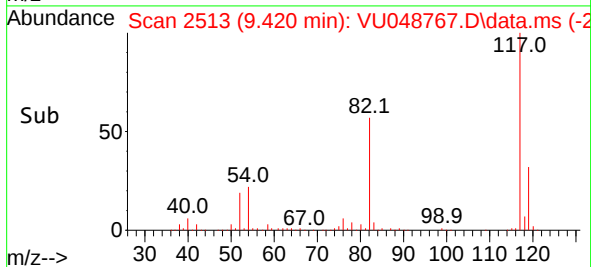
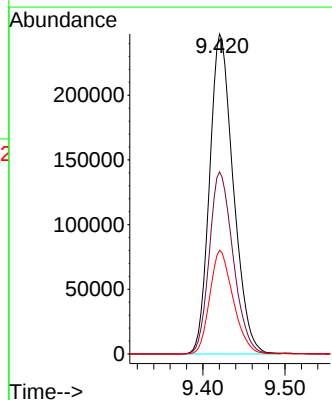
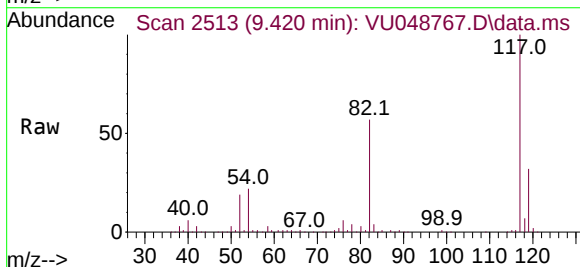
Instrument : MSVOA_U
ClientSampleId : 20220429-AMENDED-COMPOSITE-I

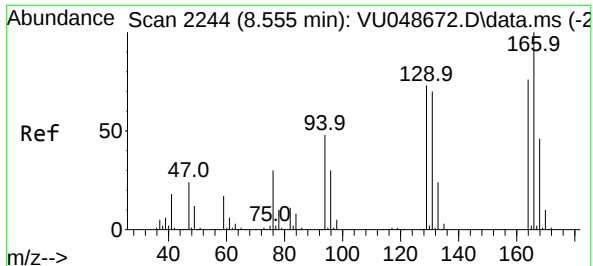
Tgt Ion: 95 Resp: 234333
Ion Ratio Lower Upper
95 100
174 79.3 0.0 159.4
176 76.0 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

Tgt Ion: 117 Resp: 496857
Ion Ratio Lower Upper
117 100
82 56.9 45.3 67.9
119 32.4 25.4 38.2

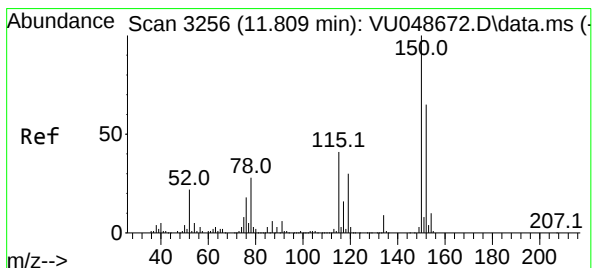
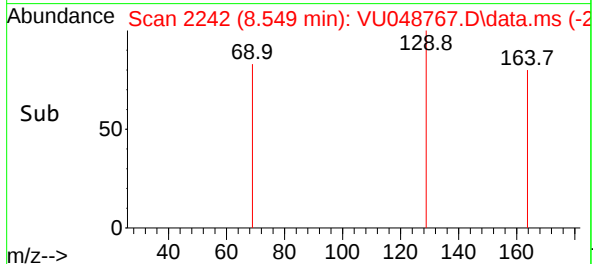
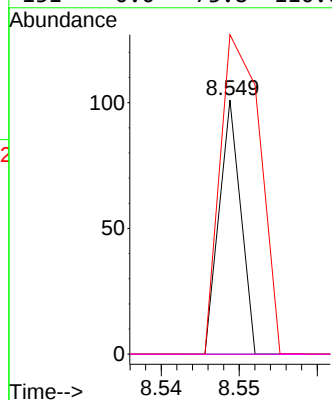
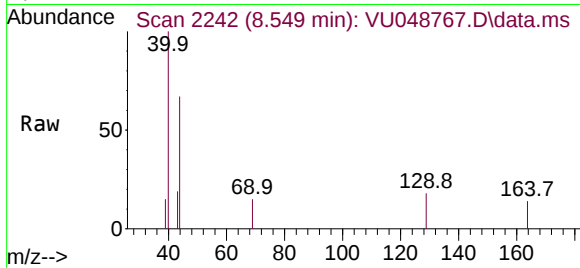




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.549 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

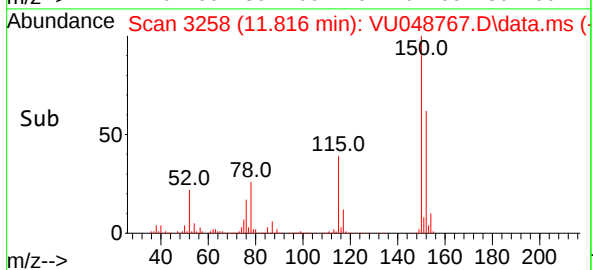
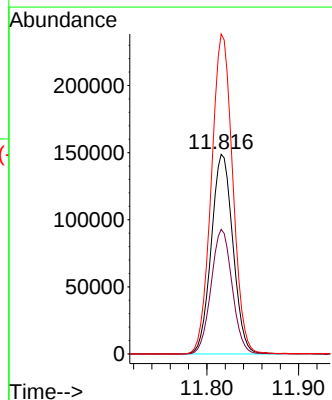
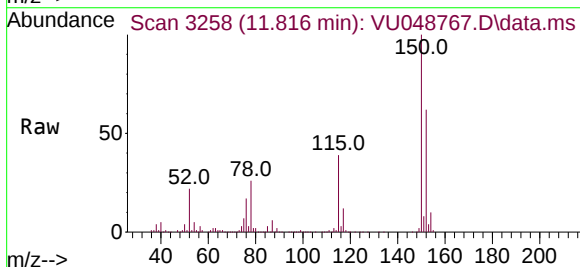
Instrument :
MSVOA_U
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

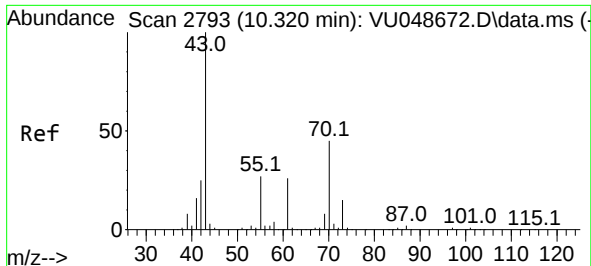
Tgt Ion:164 Resp: 19
Ion Ratio Lower Upper
164 100
166 0.0 105.0 157.4#
129 125.7 76.5 114.7#
131 0.0 73.8 110.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.006 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

Tgt Ion:152 Resp: 244565
Ion Ratio Lower Upper
152 100
115 60.5 41.8 125.4
150 157.9 0.0 341.0

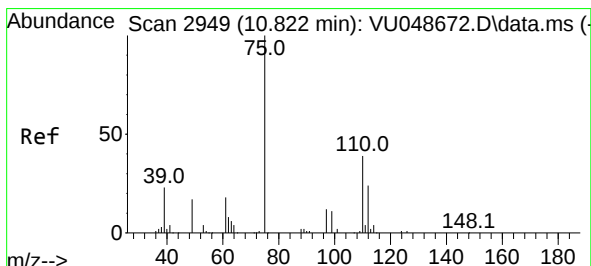
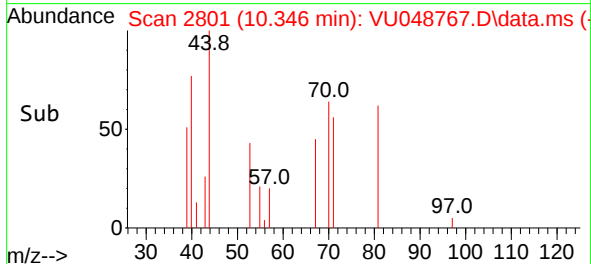
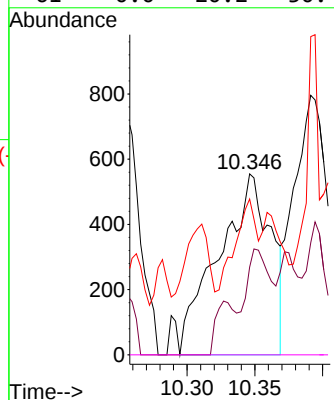
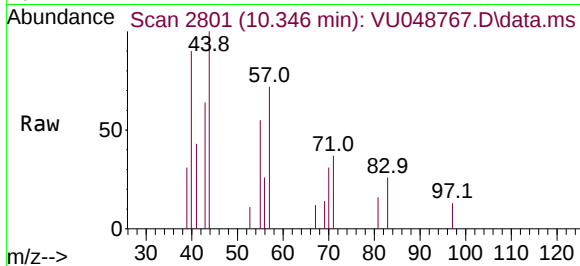




#74
N-amy1 acetate
Concen: 2.644 ug/l
RT: 10.346 min Scan# 2801
Delta R.T. 0.026 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

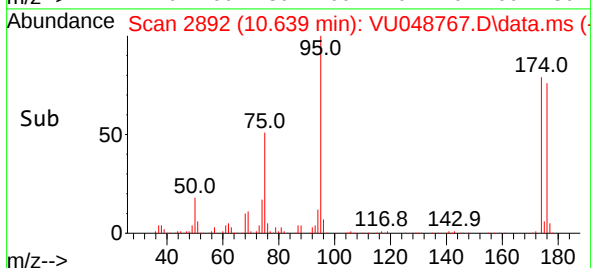
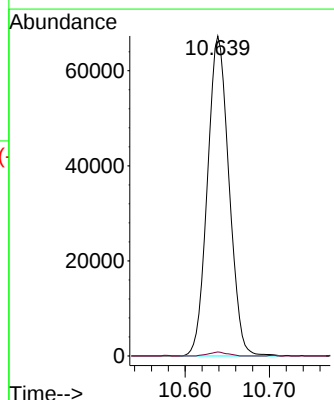
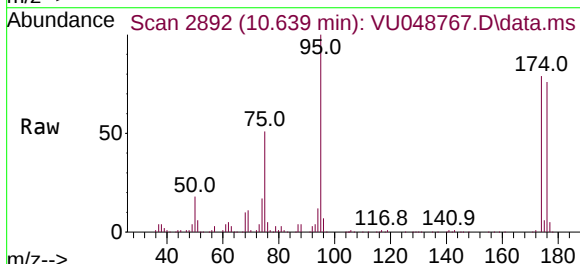
Instrument : MSVOA_U
ClientSampleId : 20220429-AMENDED-COMPOSITE-I

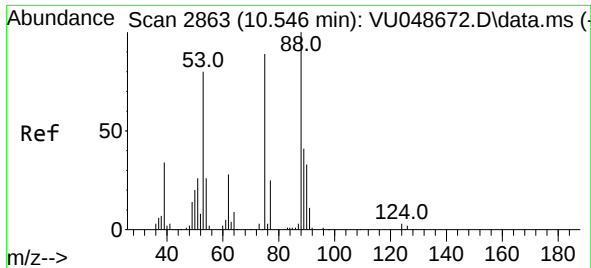
Tgt Ion: 43	Resp: 1486
Ion Ratio	Lower Upper
43 100	
70 28.5	35.8 53.6#
55 19.5	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 15.198 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. -0.183 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

Tgt Ion: 75	Resp: 119840
Ion Ratio	Lower Upper
75 100	
77 1.1	14.8 44.3#

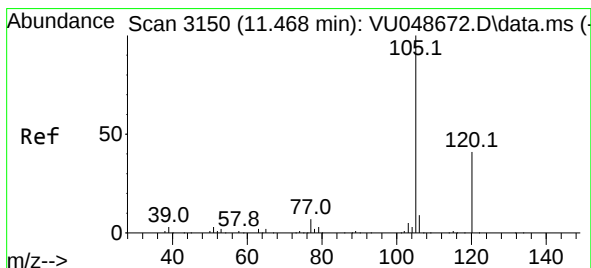
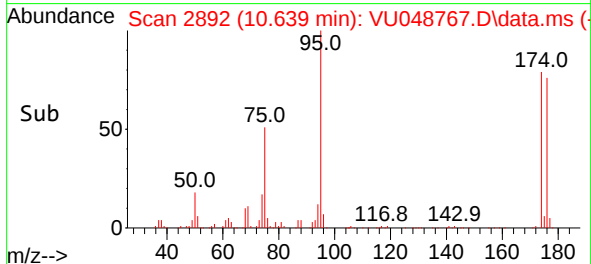
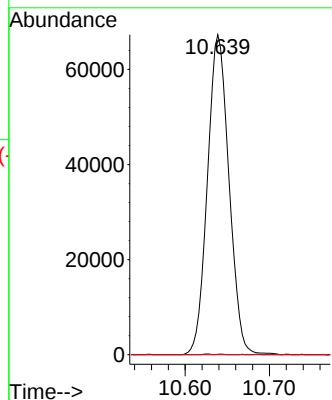
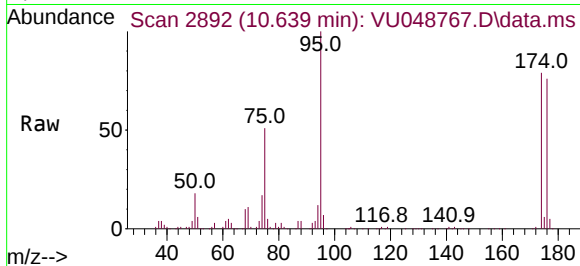




#81
trans-1,4-Dichloro-2-butene
Concen: 55.181 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.093 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

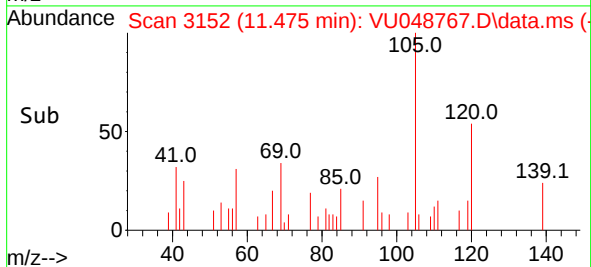
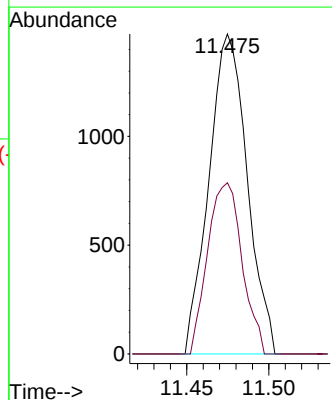
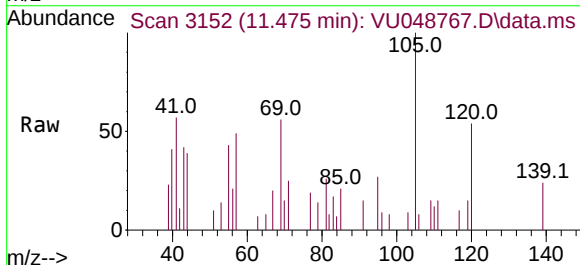
Instrument :
MSVOA_U
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

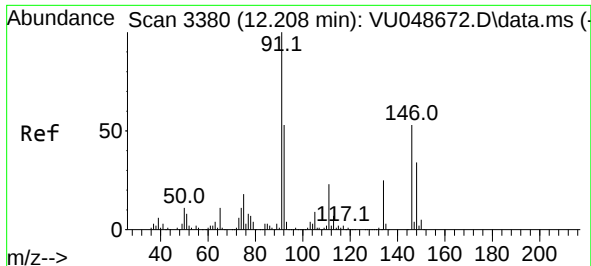
Tgt Ion: 75 Resp: 119840
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.344 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.007 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

Tgt Ion: 105 Resp: 2383
Ion Ratio Lower Upper
105 100
120 48.2 22.5 67.5

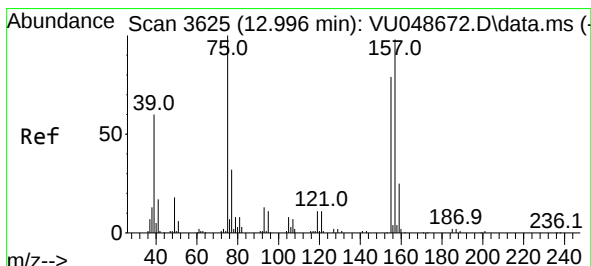
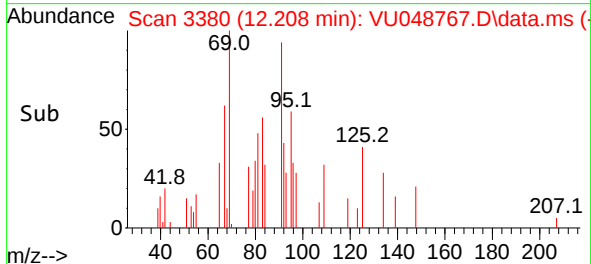
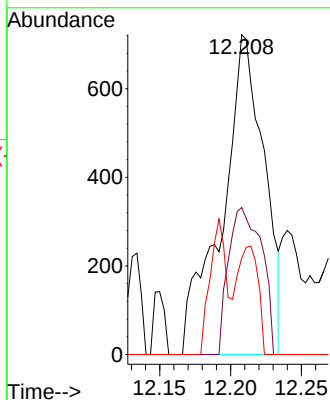
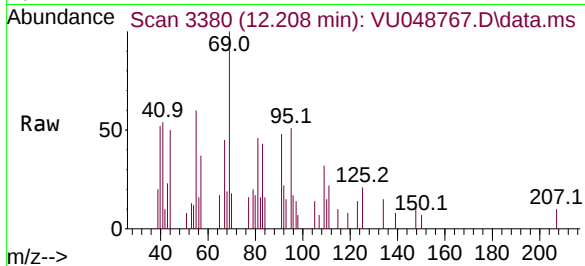




#89
n-Butylbenzene
Concen: 2.286 ug/l
RT: 12.208 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

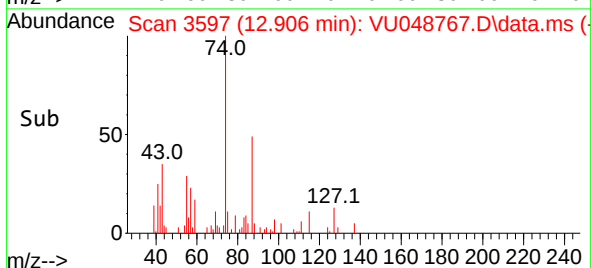
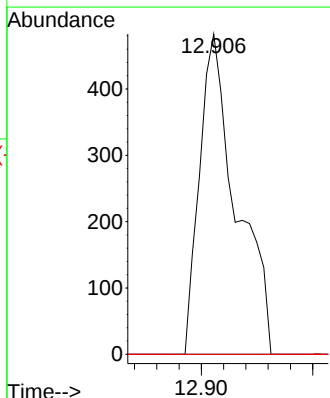
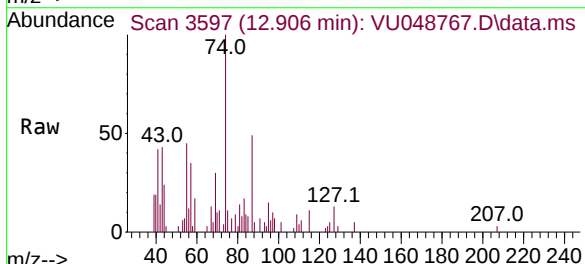
Instrument :
MSVOA_U
ClientSampleId :
20220429-AMENDED-COMPOSITE-I

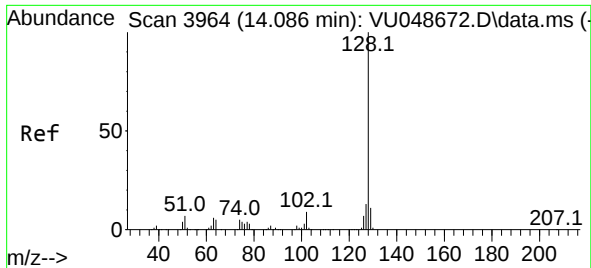
Tgt Ion:	91	Resp:	1496
Ion	Ratio	Lower	Upper
91	100		
92	36.1	25.9	77.8
134	16.0	12.5	37.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.300 ug/l
RT: 12.906 min Scan# 3597
Delta R.T. -0.090 min
Lab File: VU048767.D
Acq: 01 Jun 2022 03:23

Tgt Ion:	75	Resp:	557
Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.3	120.8#
157	0.0	50.0	150.0#





#95

Naphthalene

Concen: 2.969 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU048767.D

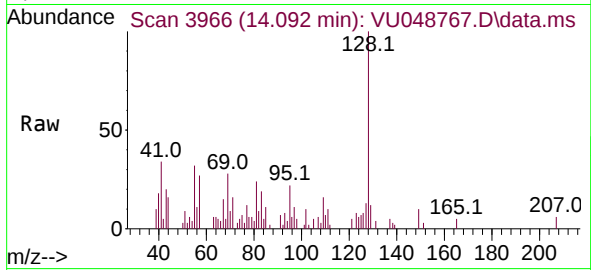
Acq: 01 Jun 2022 03:23

Instrument :

MSVOA_U

ClientSampleId :

20220429-AMENDED-COMPOSITE-I



Tgt Ion:	128	Resp:	8843
Ion	Ratio	Lower	Upper
128	100		
127	18.2	10.2	15.4#
129	11.5	8.7	13.1

