

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053122\
 Data File : VU048732.D
 Acq On : 31 May 2022 11:55
 Operator : SY/MD
 Sample : VU0531MBL01
 Misc : 5.00g/10.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0531MBL01

Quant Time: Jun 01 02:13:37 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)

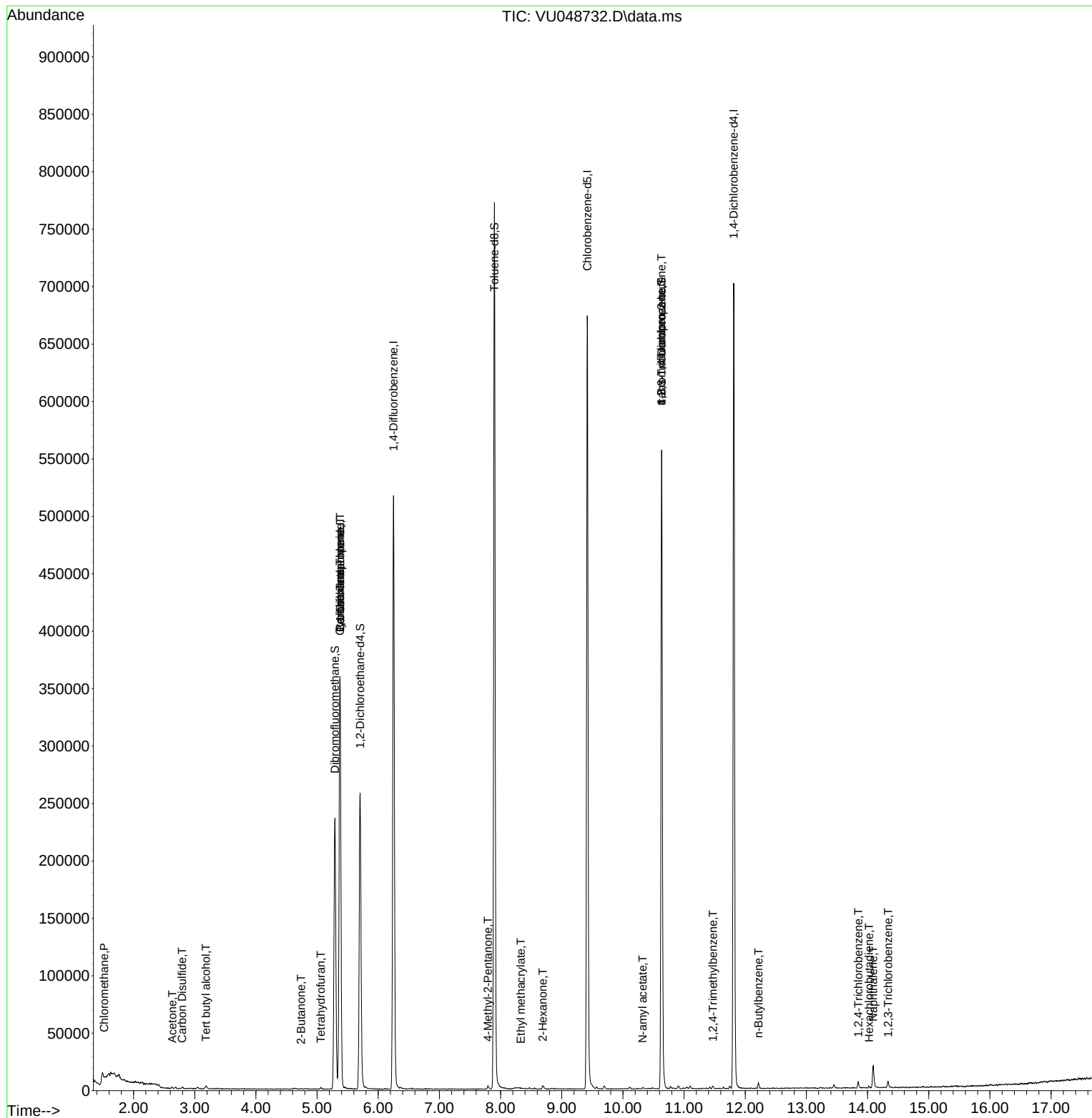
Internal Standards						
1) Pentafluorobenzene	5.375	168	245092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	416624	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	378978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	187108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	201281	54.684	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.360%			
35) Dibromofluoromethane	5.292	113	156470	52.643	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.280%			
50) Toluene-d8	7.899	98	506567	47.545	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.080%			
62) 4-Bromofluorobenzene	10.632	95	188946	46.891	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.780%			
Target Compounds						Qvalue
3) Chloromethane	1.520	50	752	0.208	ug/l #	71
5) Bromomethane	1.854	94	302	Below Cal		82
6) Chloroethane	1.944	64	214	Below Cal #		43
11) Tert butyl alcohol	3.182	59	1586	1.700	ug/l #	28
13) Acrolein	2.481	56	72	Below Cal #		45
16) Acetone	2.633	43	1316	0.702	ug/l #	83
17) Carbon Disulfide	2.793	76	1963	0.270	ug/l	99
25) 2-Butanone	4.739	43	787	0.292	ug/l #	49
29) Tetrahydrofuran	5.063	42	797	0.470	ug/l #	61
31) Cyclohexane	5.372	56	5353	1.154	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	20407	4.704	ug/l #	50
38) Carbon Tetrachloride	5.375	117	25878	5.200	ug/l #	17
51) 4-Methyl-2-Pentanone	7.793	43	2011	0.389	ug/l	96
56) Ethyl methacrylate	8.333	69	105	2.632	ug/l #	43
59) 2-Hexanone	8.690	43	2513	0.592	ug/l	90
64) Tetrachloroethene	8.552	164	77	Below Cal #		68
74) N-amyl acetate	10.324	43	657	2.569	ug/l #	70
76) 1,2,3-Trichloropropane	10.632	75	97342	16.135	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	97342	58.586	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	1856	1.347	ug/l	99
89) n-Butylbenzene	12.217	91	1913	2.354	ug/l	95
93) 1,2,4-Trichlorobenzene	13.848	180	1806	0.428	ug/l	95
94) Hexachlorobutadiene	14.024	225	453	0.224	ug/l	74
95) Naphthalene	14.092	128	18422	3.720	ug/l	98
96) 1,2,3-Trichlorobenzene	14.336	180	2012	0.482	ug/l	93

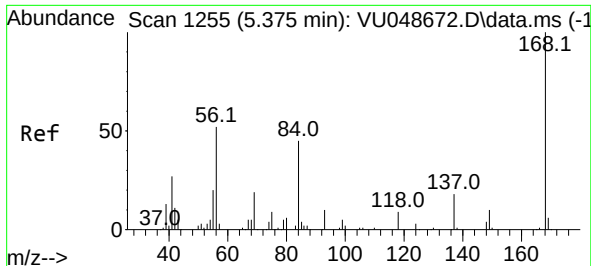
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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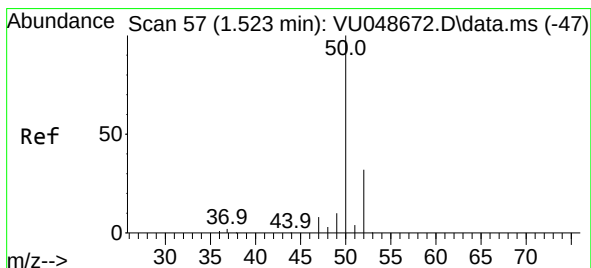
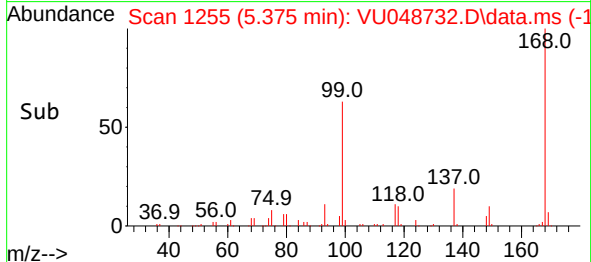
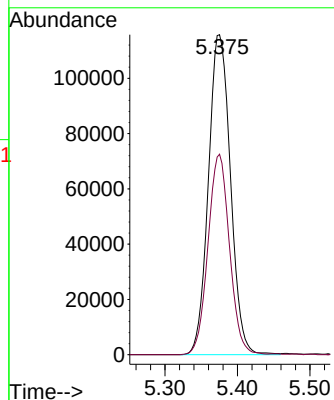
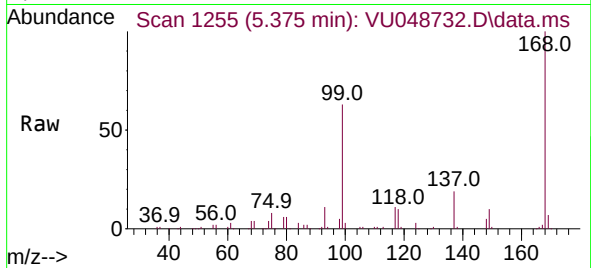




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

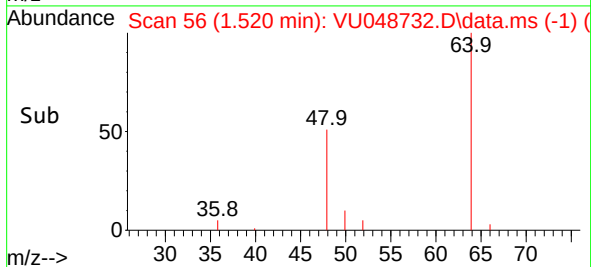
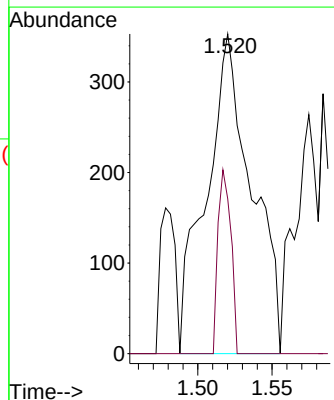
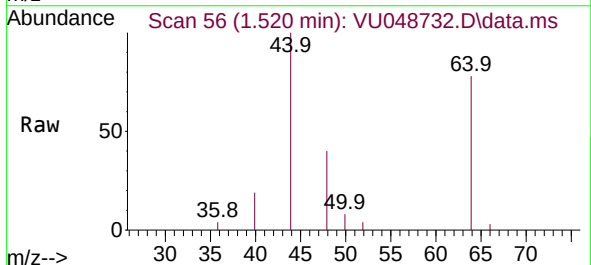
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

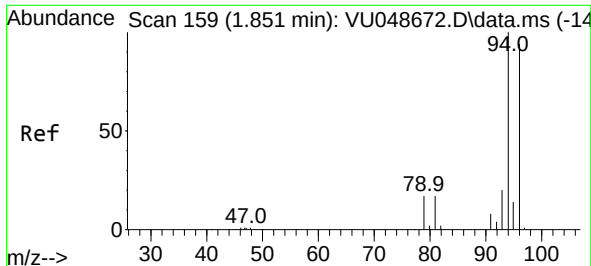
Tgt Ion:168 Resp: 245092
Ion Ratio Lower Upper
168 100
99 62.7 49.3 73.9



#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion: 50 Resp: 752
Ion Ratio Lower Upper
50 100
52 48.4 25.7 38.5#

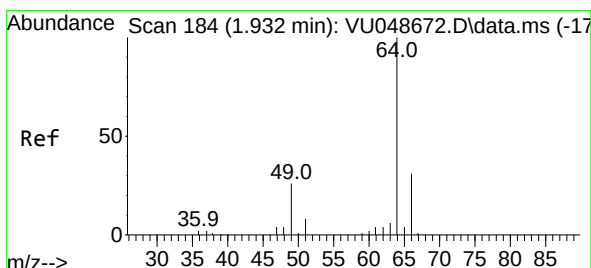
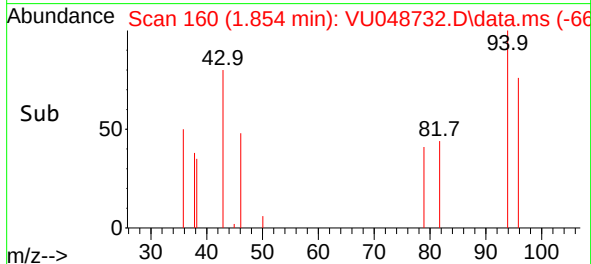
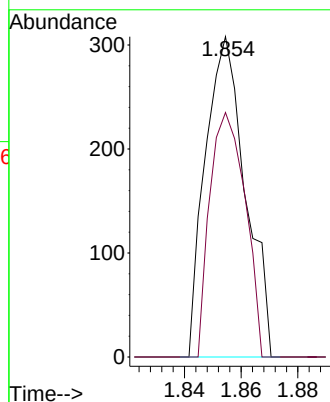
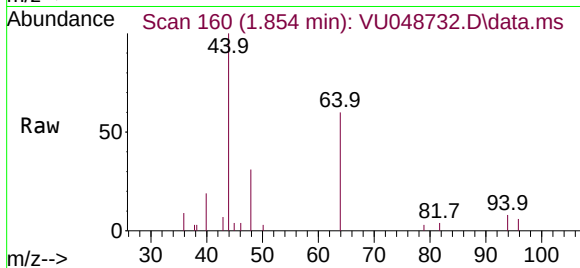




#5
Bromomethane
Concen: Below Cal
RT: 1.854 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

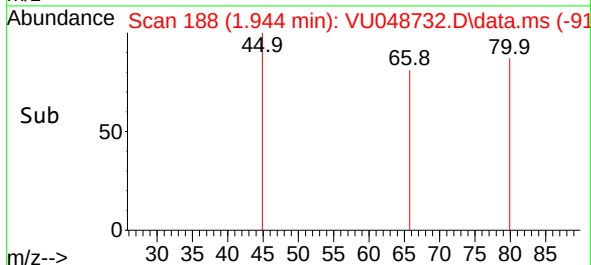
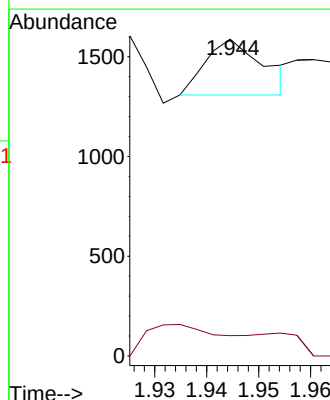
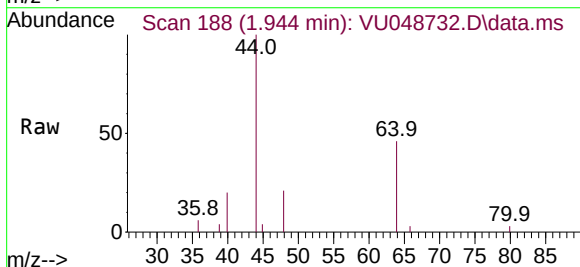
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

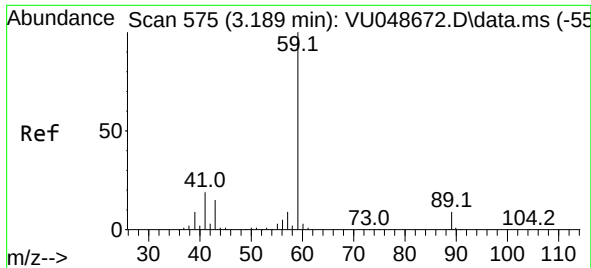
Tgt Ion: 94 Resp: 302
Ion Ratio Lower Upper
94 100
96 76.3 75.1 112.7



#6
Chloroethane
Concen: Below Cal
RT: 1.944 min Scan# 188
Delta R.T. 0.012 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion: 64 Resp: 214
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

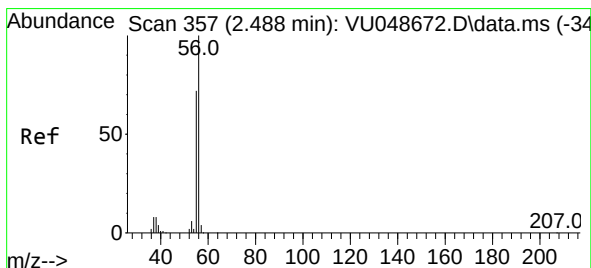
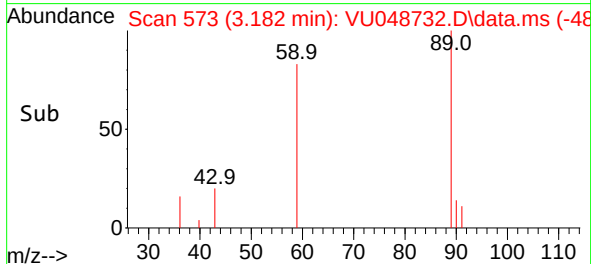
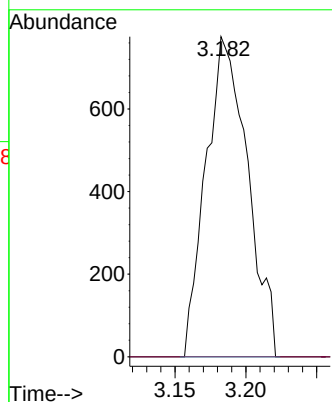
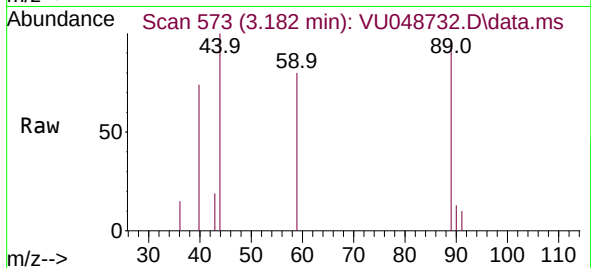




#11
Tert butyl alcohol
Concen: 1.700 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.007 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

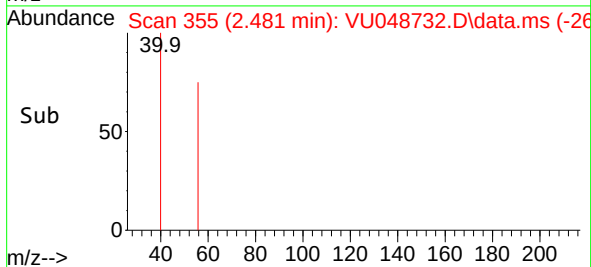
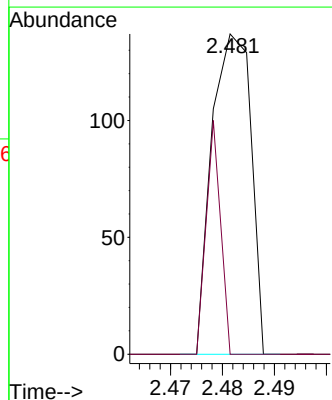
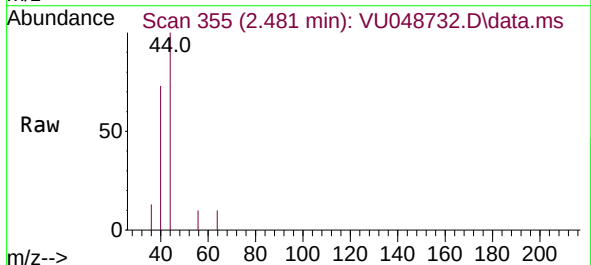
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

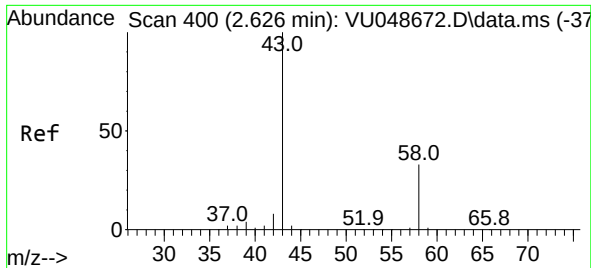
Tgt Ion: 59 Resp: 1586
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.481 min Scan# 355
Delta R.T. -0.007 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 26.4 57.7 86.5#

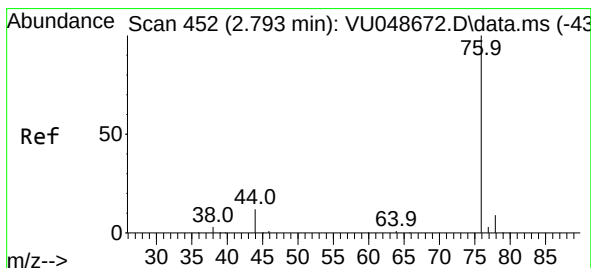
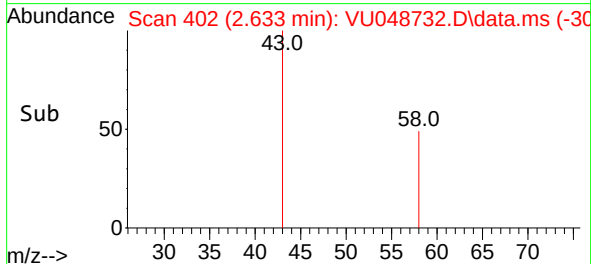
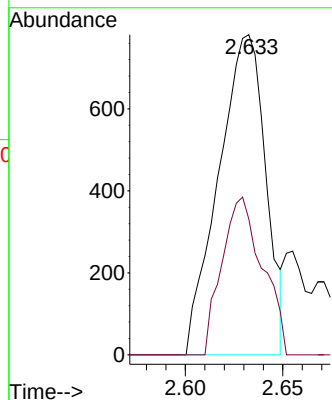
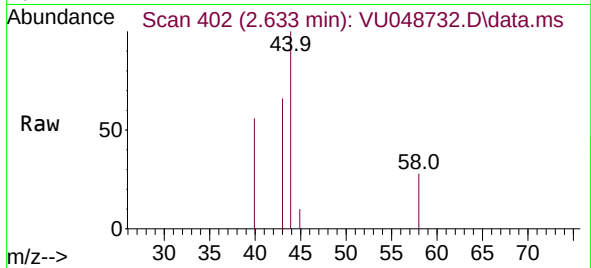




#16
Acetone
Concen: 0.702 ug/l
RT: 2.633 min Scan# 400
Delta R.T. 0.006 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

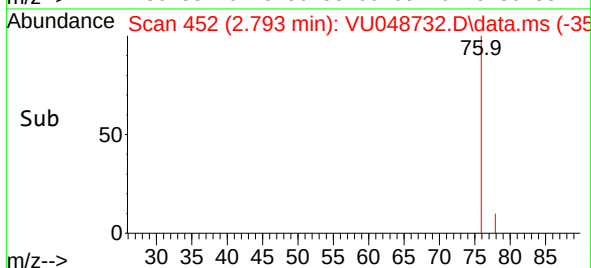
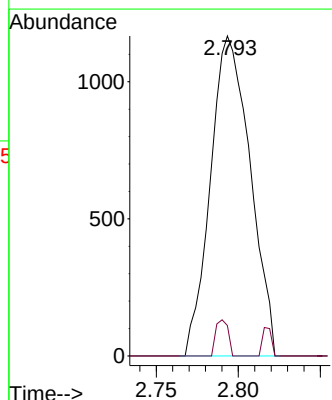
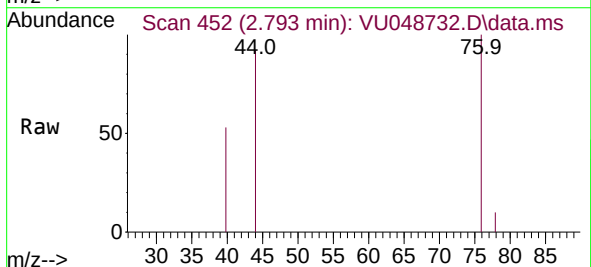
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

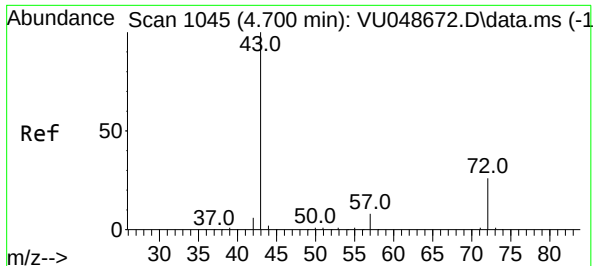
Tgt Ion: 43 Resp: 1316
Ion Ratio Lower Upper
43 100
58 42.4 26.3 39.5#



#17
Carbon Disulfide
Concen: 0.270 ug/l
RT: 2.793 min Scan# 452
Delta R.T. -0.000 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion: 76 Resp: 1963
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

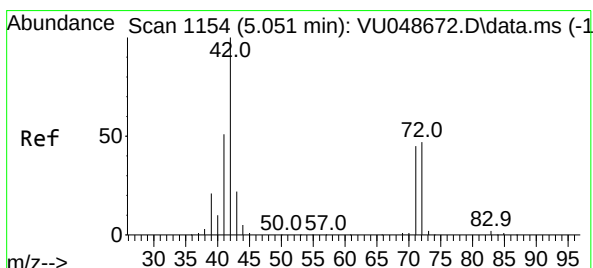
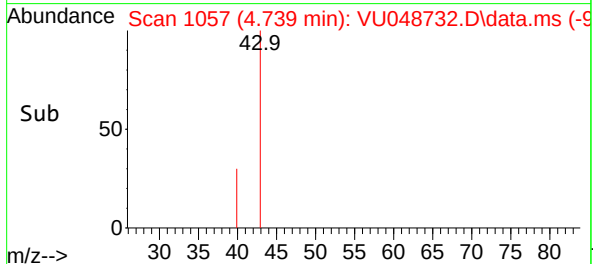
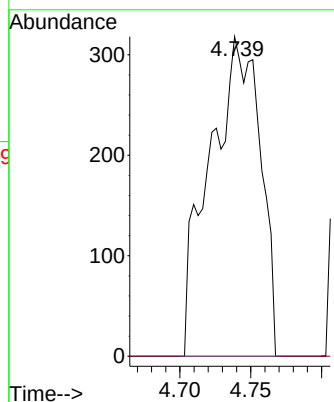
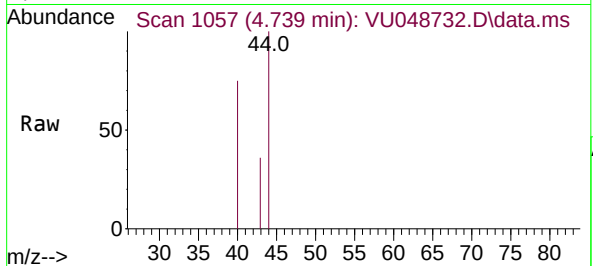




#25
2-Butanone
Concen: 0.292 ug/l
RT: 4.739 min Scan# 1057
Delta R.T. 0.038 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

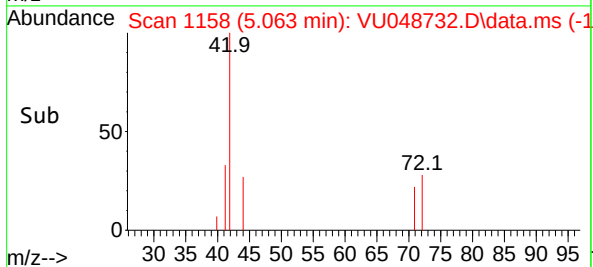
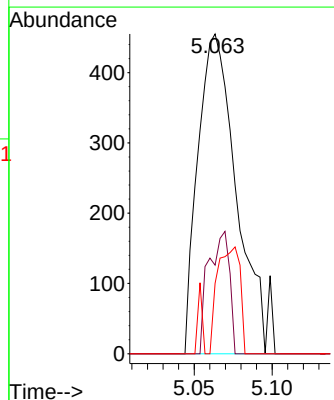
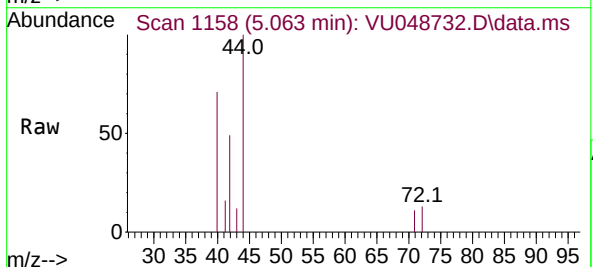
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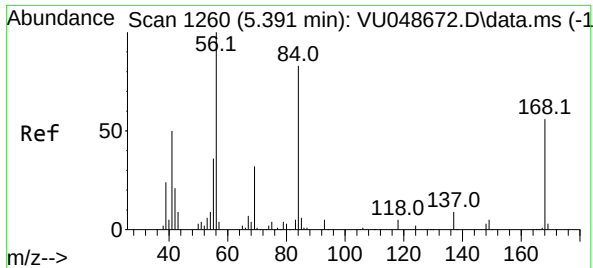
Tgt Ion: 43 Resp: 787
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.470 ug/l
RT: 5.063 min Scan# 1158
Delta R.T. 0.013 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion: 42 Resp: 797
Ion Ratio Lower Upper
42 100
72 20.3 37.6 56.4#
71 19.3 35.0 52.4#

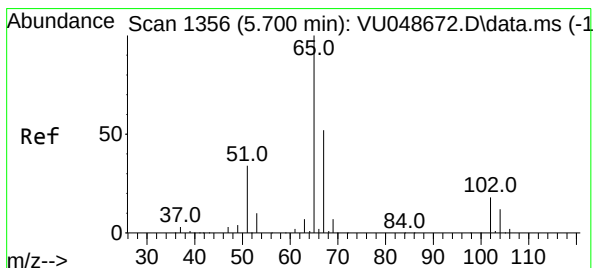
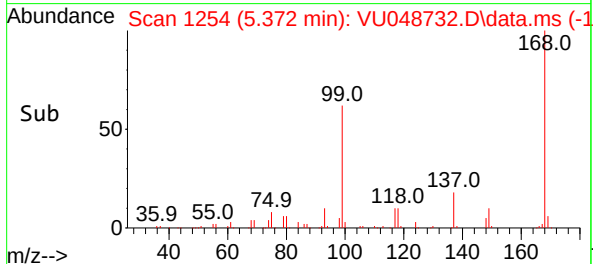
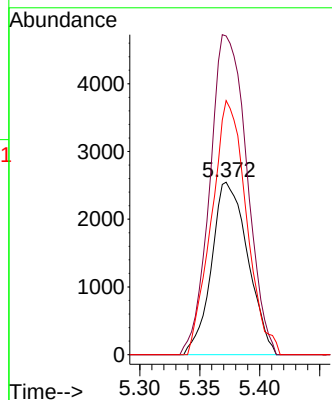
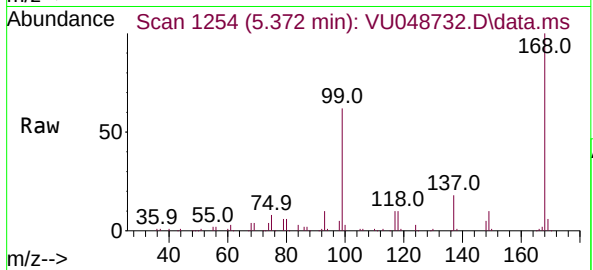




#31
Cyclohexane
Concen: 1.154 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

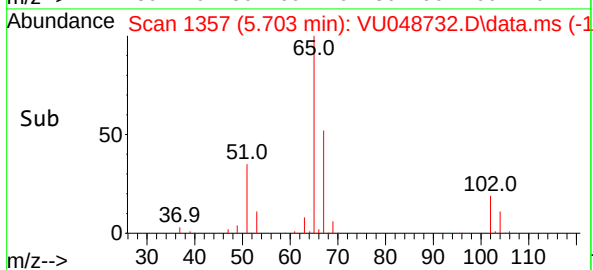
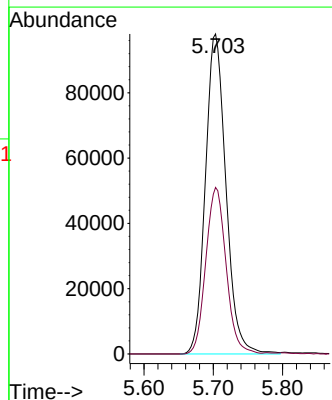
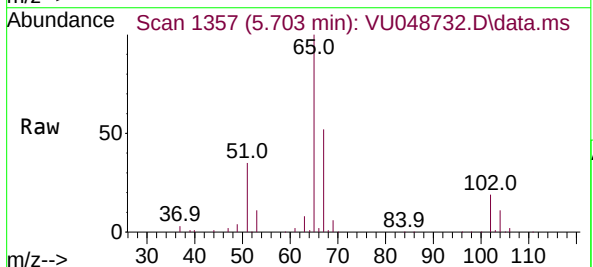
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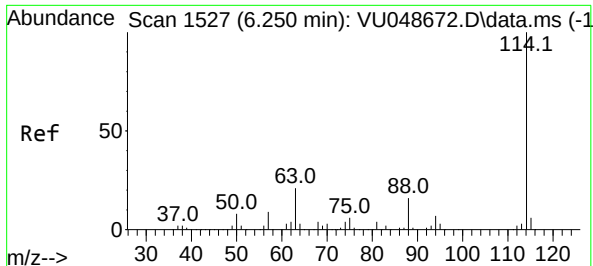
Tgt Ion: 56 Resp: 5353
Ion Ratio Lower Upper
56 100
69 184.8 25.6 38.4#
84 147.4 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 54.684 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion: 65 Resp: 201281
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0

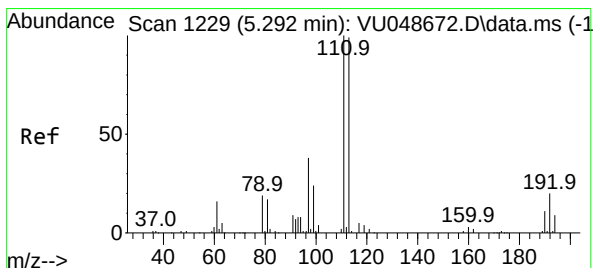
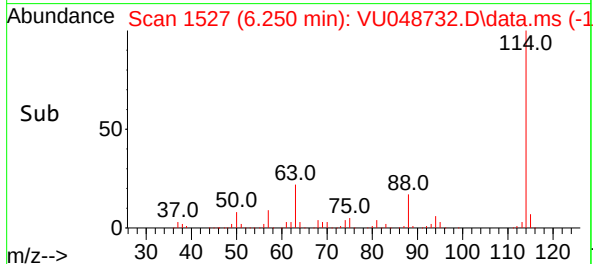
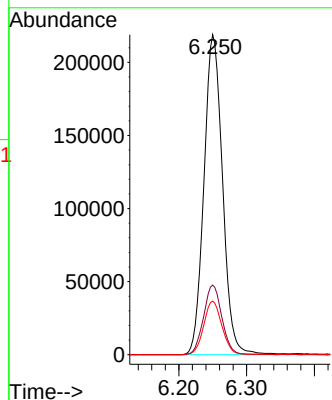
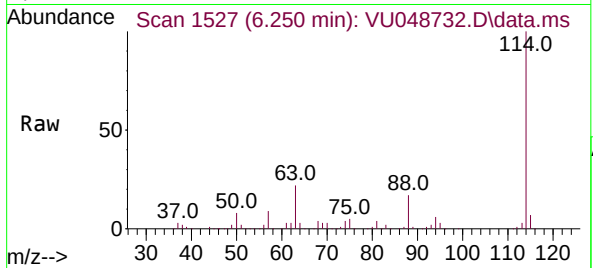




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

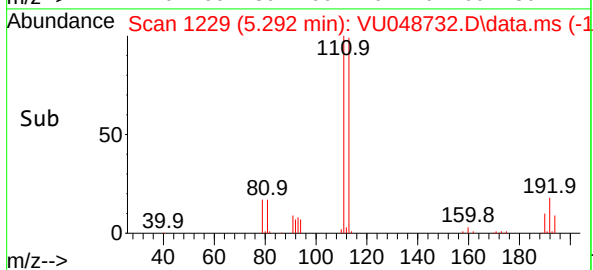
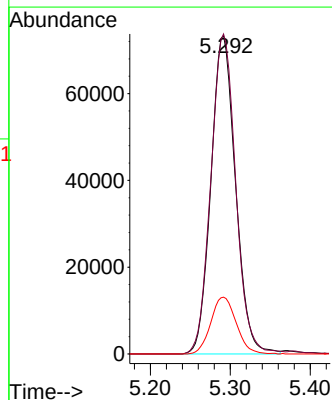
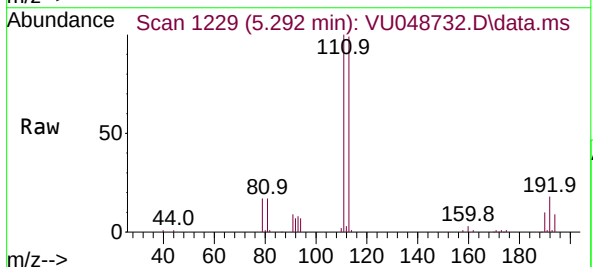
Instrument :
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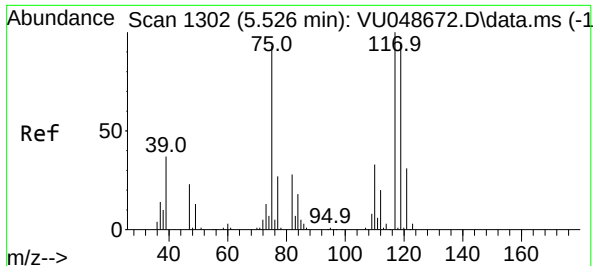
Tgt Ion:114 Resp: 416624
Ion Ratio Lower Upper
114 100
63 21.8 0.0 42.6
88 16.7 0.0 32.2



#35
Dibromofluoromethane
Concen: 52.643 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion:113 Resp: 156470
Ion Ratio Lower Upper
113 100
111 101.6 80.7 121.1
192 18.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048732.D

Acq: 31 May 2022 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0531MBL01

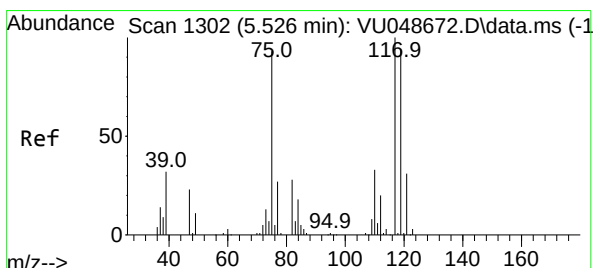
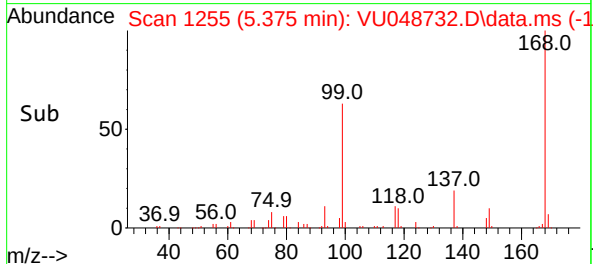
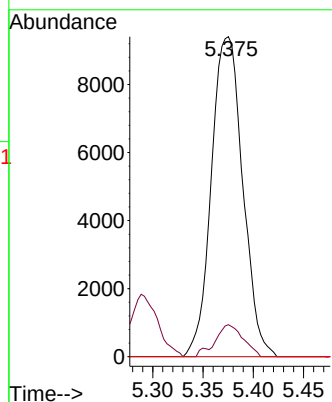
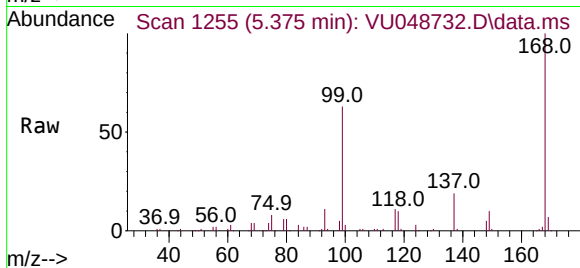
Tgt Ion: 75 Resp: 20407

Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.200 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048732.D

Acq: 31 May 2022 11:55

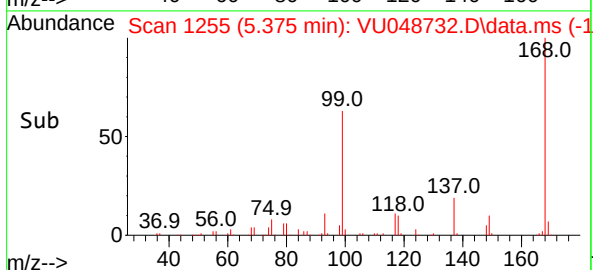
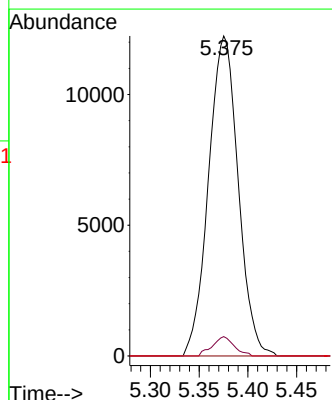
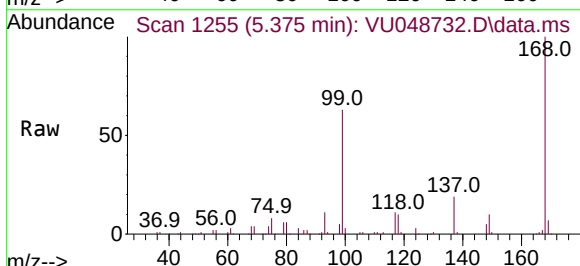
Tgt Ion: 117 Resp: 25878

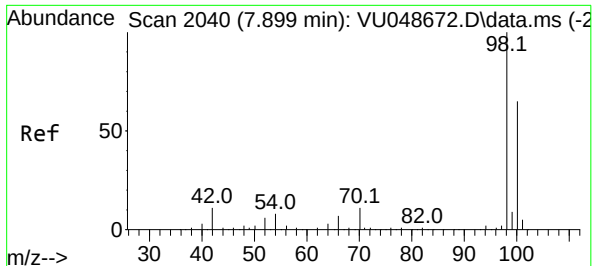
Ion Ratio Lower Upper

117 100

119 6.0 75.4 113.2#

121 0.0 24.6 36.8#

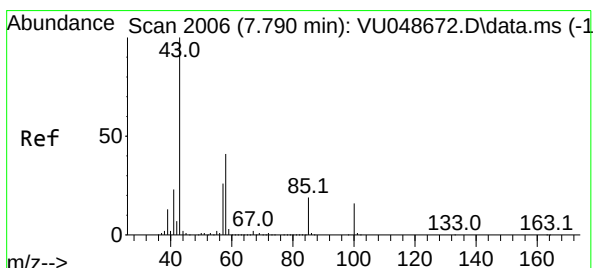
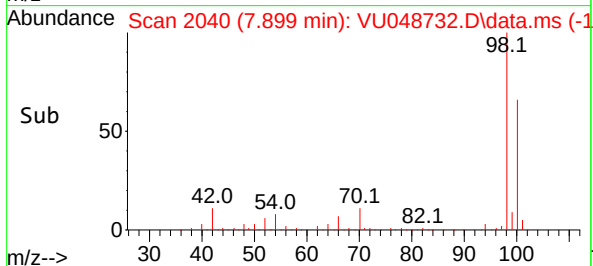
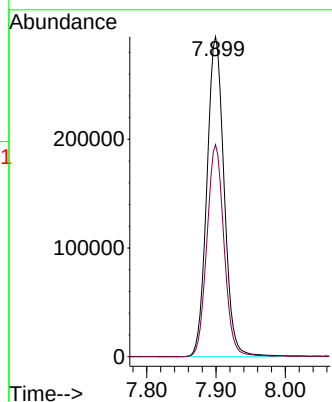
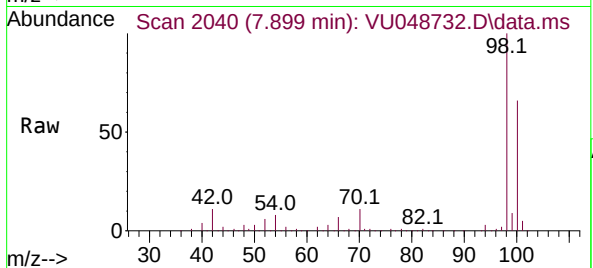




#50
Toluene-d8
Concen: 47.545 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

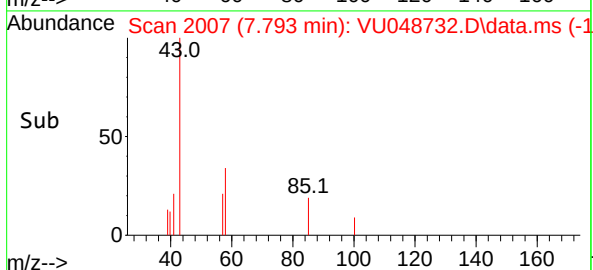
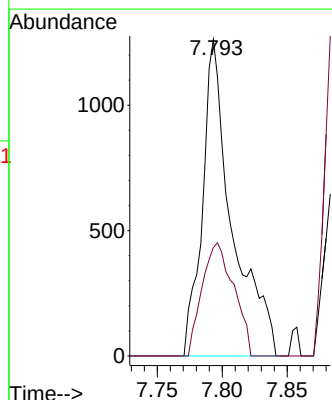
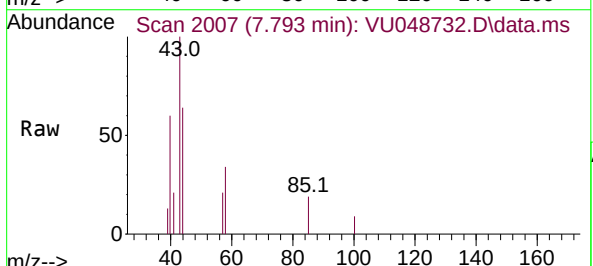
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

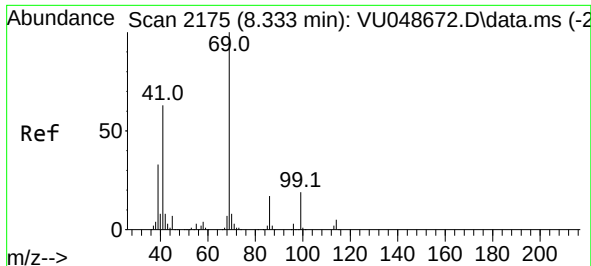
Tgt Ion: 98 Resp: 506567
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.389 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. 0.003 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion: 43 Resp: 2011
Ion Ratio Lower Upper
43 100
58 38.1 32.7 49.1

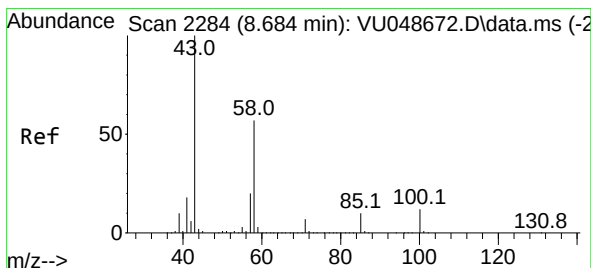
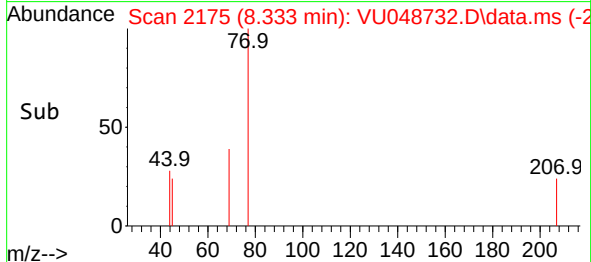
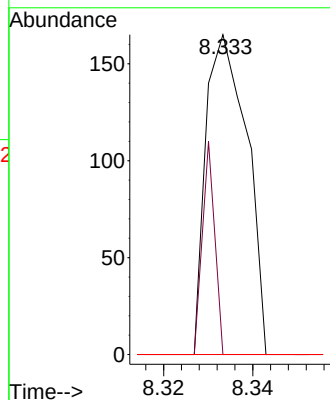
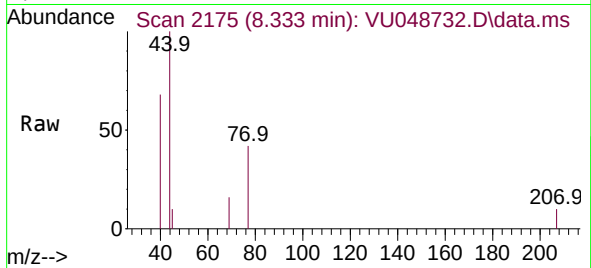




#56
Ethyl methacrylate
Concen: 2.632 ug/l
RT: 8.333 min Scan# 2175
Delta R.T. 0.000 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

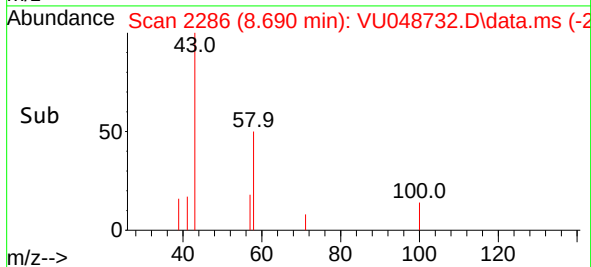
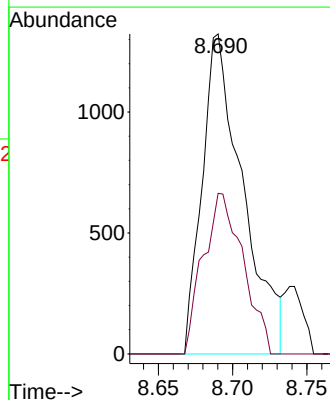
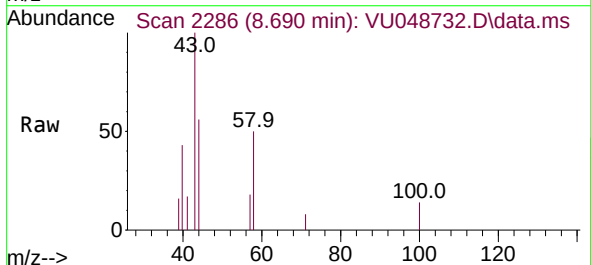
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

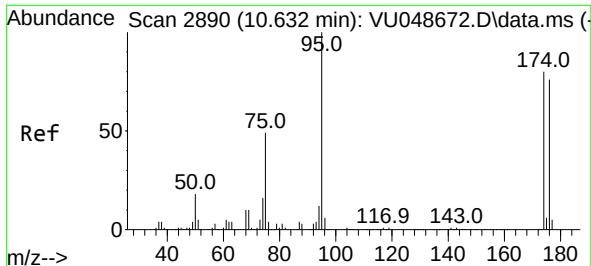
Tgt Ion: 69 Resp: 105
Ion Ratio Lower Upper
69 100
41 20.0 50.6 76.0#
39 0.0 26.6 40.0#



#59
2-Hexanone
Concen: 0.592 ug/l
RT: 8.690 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion: 43 Resp: 2513
Ion Ratio Lower Upper
43 100
58 49.3 28.2 84.6

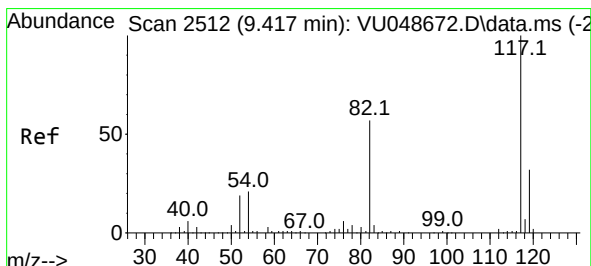
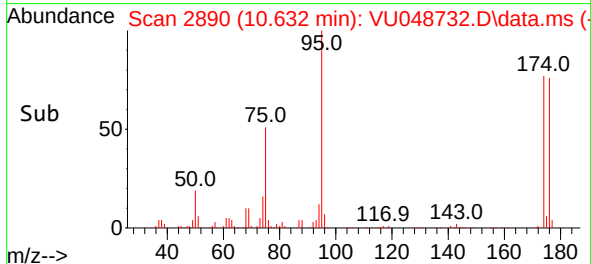
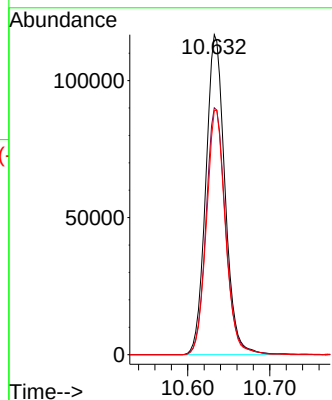
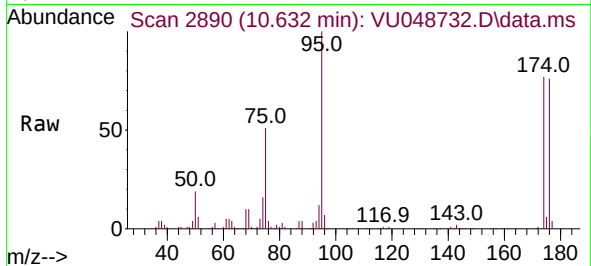




#62
4-Bromofluorobenzene
Concen: 46.891 ug/l
RT: 10.632 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

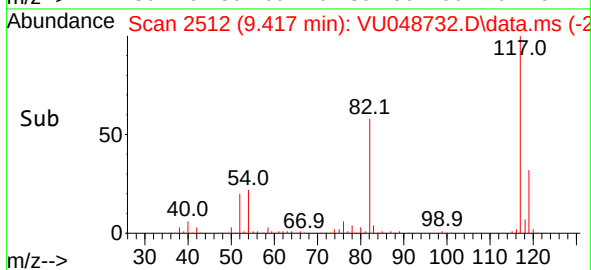
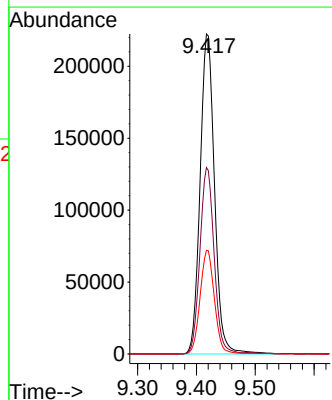
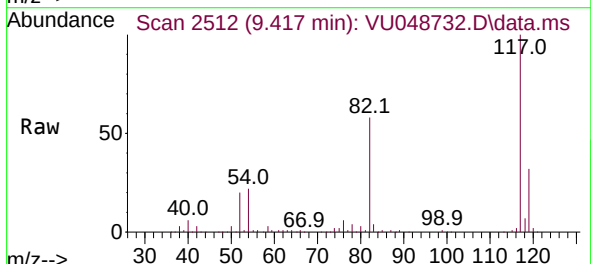
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

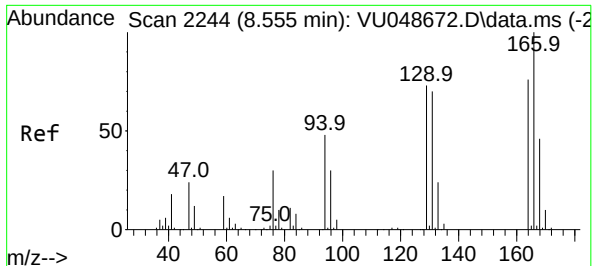
Tgt Ion: 95 Resp: 188946
Ion Ratio Lower Upper
95 100
174 78.6 0.0 159.4
176 75.9 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion: 117 Resp: 378978
Ion Ratio Lower Upper
117 100
82 58.2 45.3 67.9
119 32.4 25.4 38.2



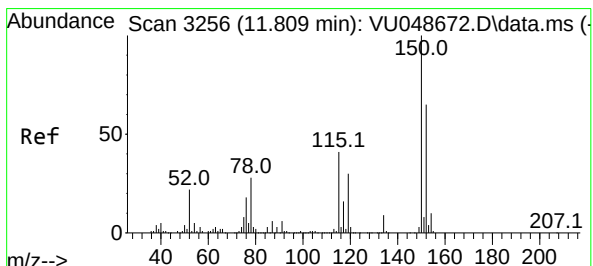
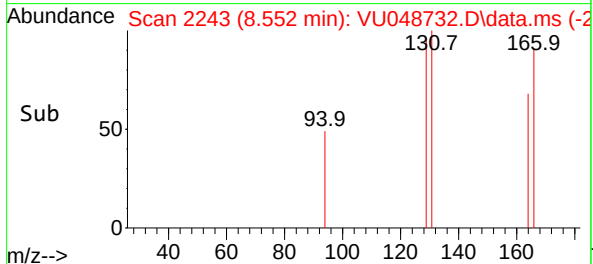
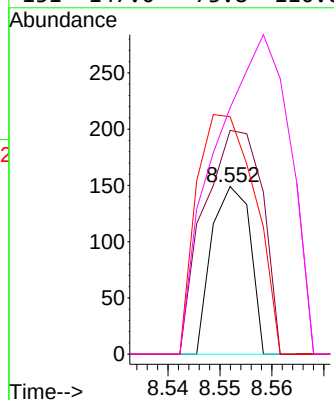
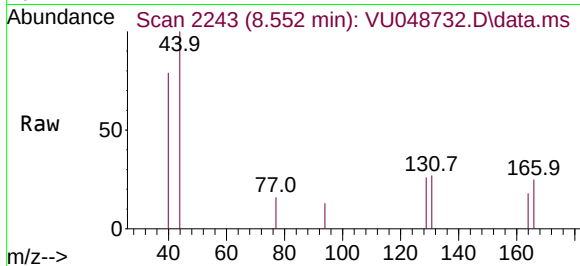


#64
Tetrachloroethene
Concen: Below Cal
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

Tgt Ion:164 Resp: 77

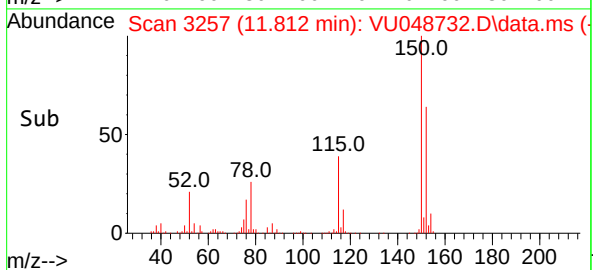
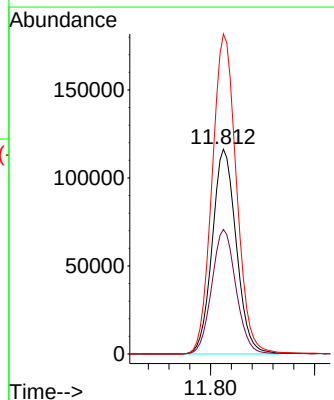
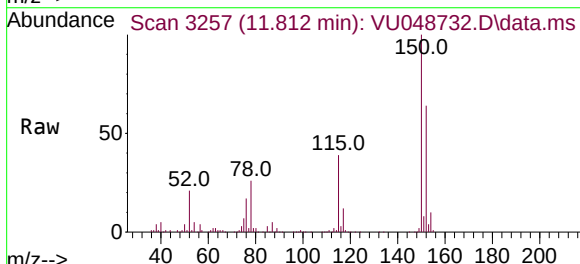
Ion	Ratio	Lower	Upper
164	100		
166	133.6	105.0	157.4
129	141.6	76.5	114.7#
131	147.0	73.8	110.6#

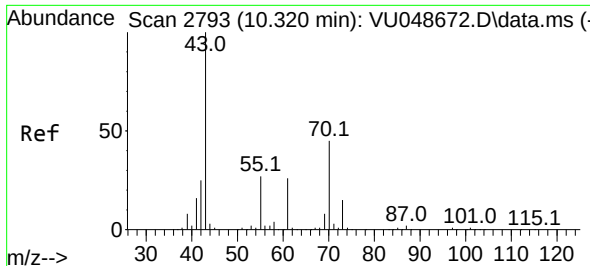


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion:152 Resp: 187108

Ion	Ratio	Lower	Upper
152	100		
115	61.5	41.8	125.4
150	158.2	0.0	341.0

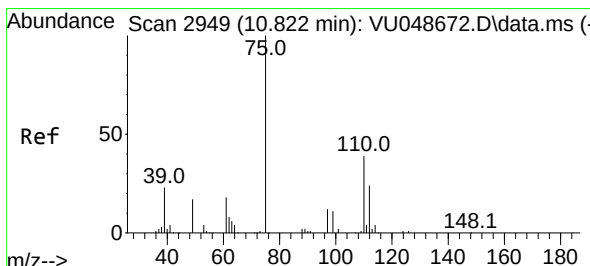
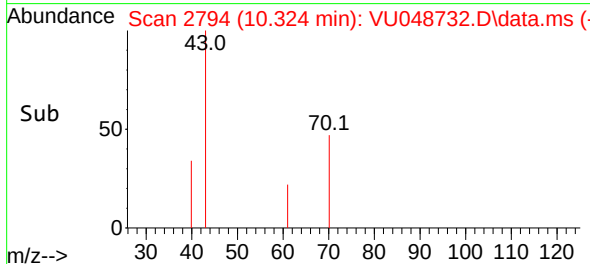
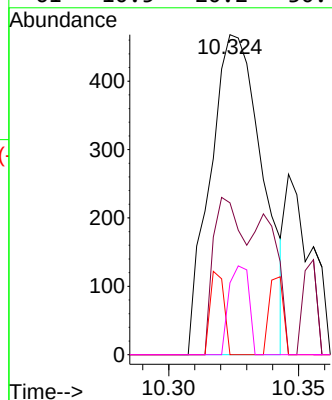
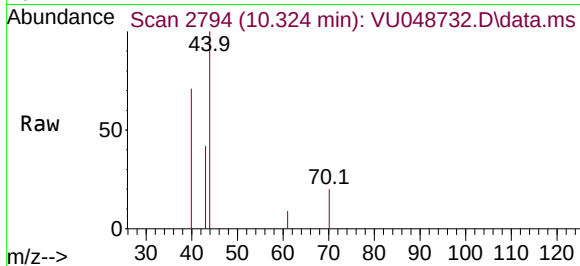




#74
N-amy1 acetate
Concen: 2.569 ug/l
RT: 10.324 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

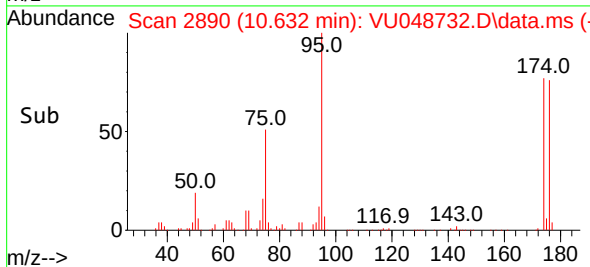
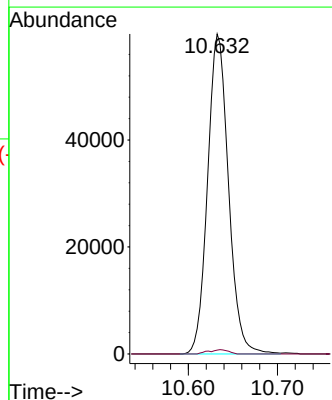
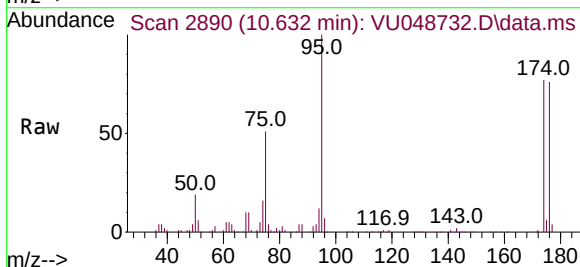
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

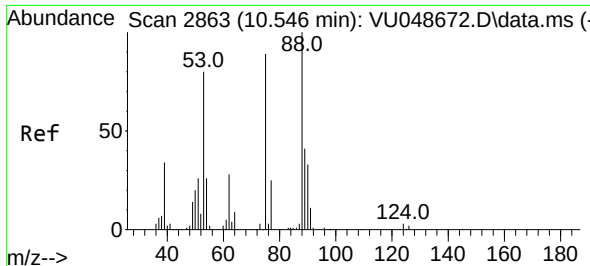
Tgt Ion: 43	Resp: 657
Ion Ratio	Lower Upper
43 100	
70 28.3	35.8 53.6#
55 6.8	21.1 31.7#
61 10.5	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 16.135 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion: 75	Resp:	97342	
Ion Ratio	Lower	Upper	
75 100			
77 1.3	14.8	44.3#	

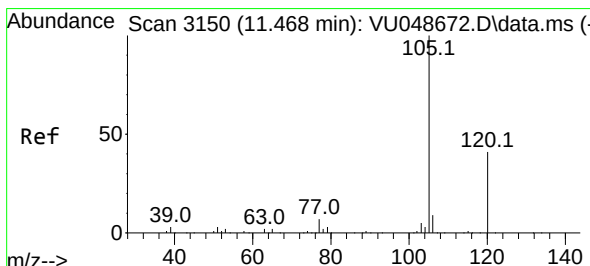
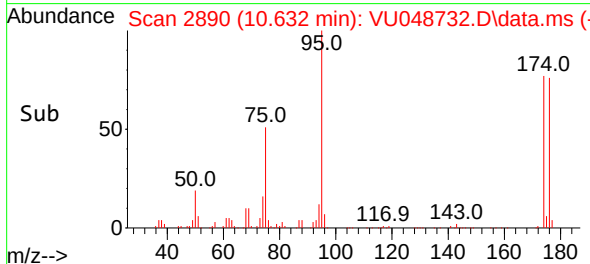
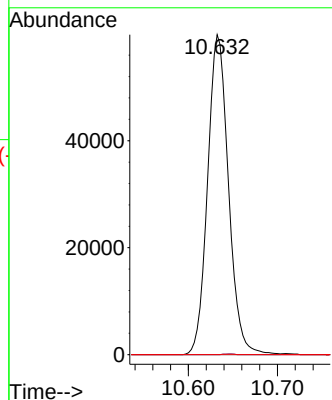
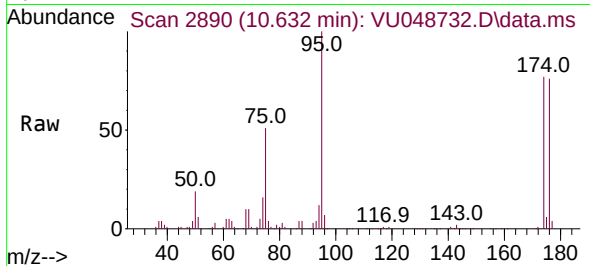




#81
trans-1,4-Dichloro-2-butene
Concen: 58.586 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

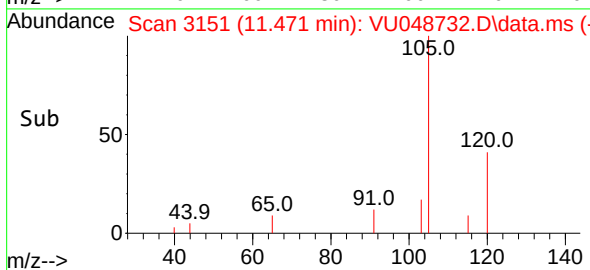
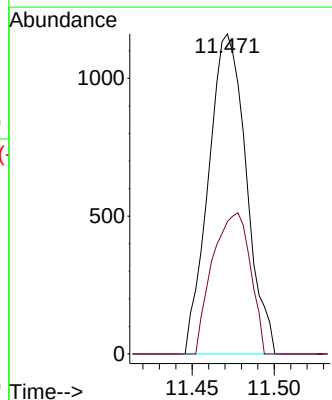
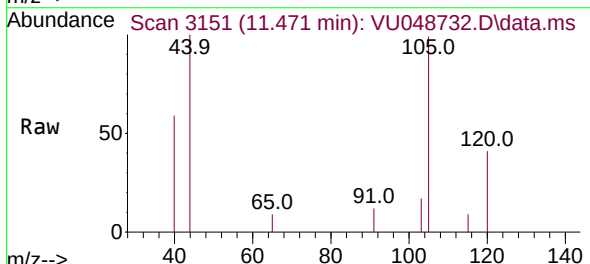
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

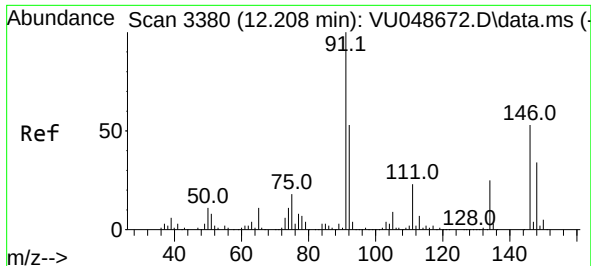
Tgt Ion: 75 Resp: 97342
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.347 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion: 105 Resp: 1856
Ion Ratio Lower Upper
105 100
120 44.1 22.5 67.5

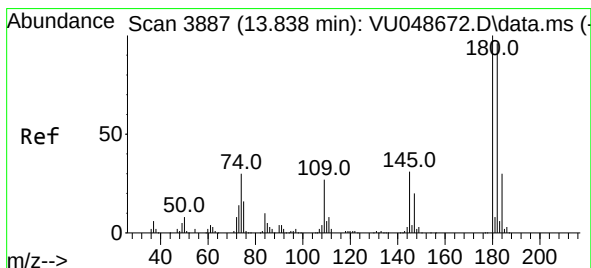
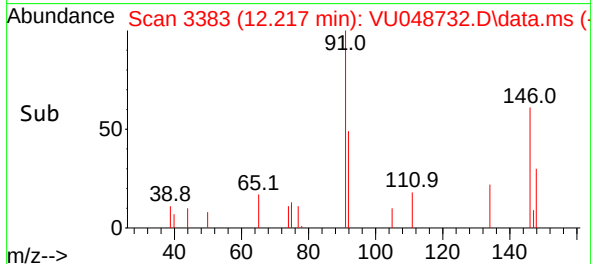
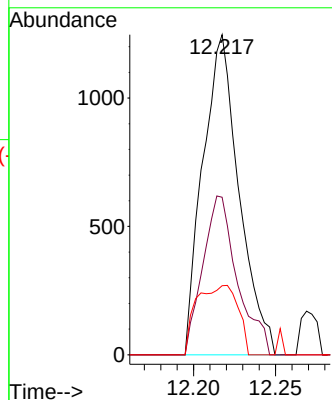
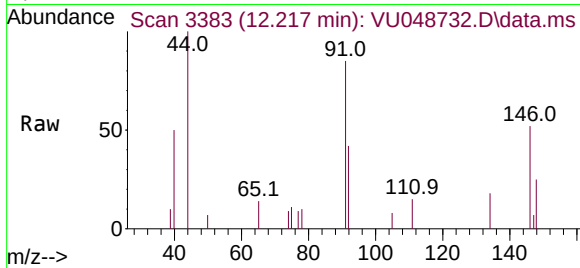




#89
n-Butylbenzene
Concen: 2.354 ug/l
RT: 12.217 min Scan# 31
Delta R.T. 0.009 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

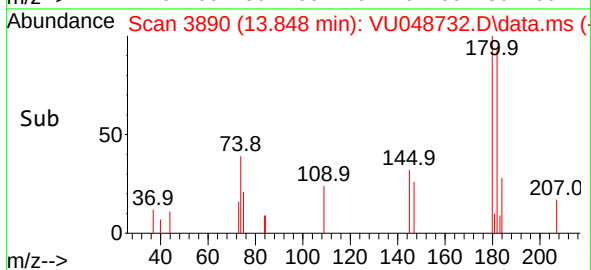
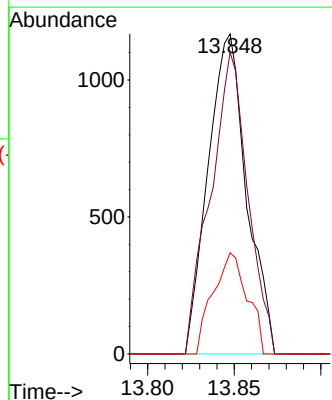
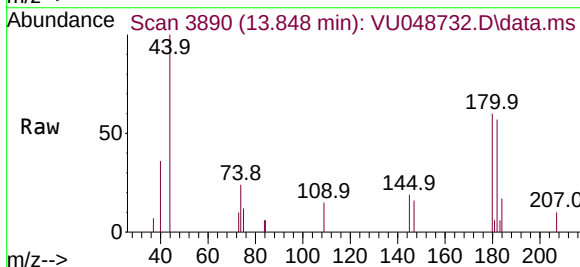
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

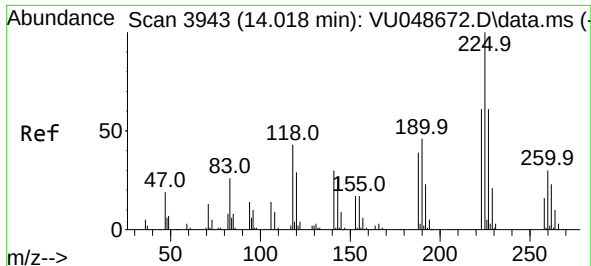
Tgt Ion: 91	Resp:	1913
Ion	Ratio	Lower Upper
91	100	
92	47.3	25.9 77.8
134	24.6	12.5 37.5



#93
1,2,4-Trichlorobenzene
Concen: 0.428 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

Tgt Ion: 180	Resp:	1806
Ion	Ratio	Lower Upper
180	100	
182	91.5	48.3 144.9
145	28.2	15.6 46.7

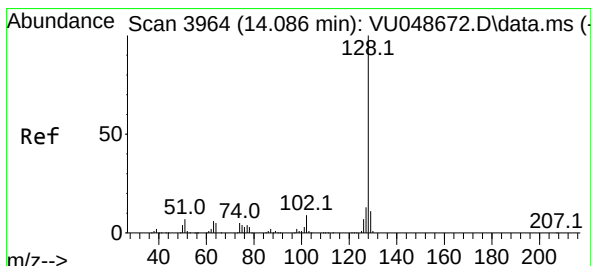
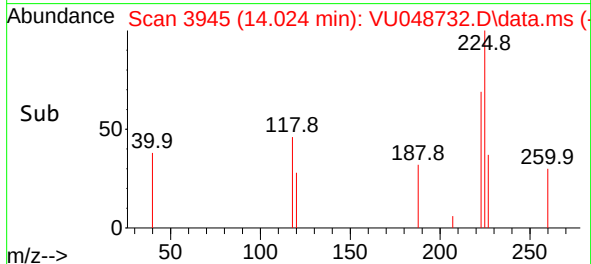
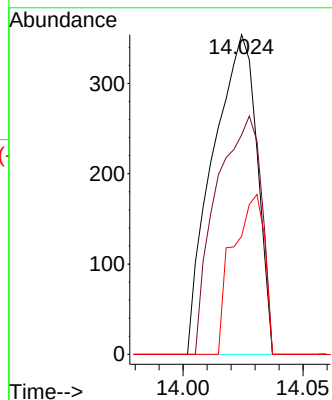
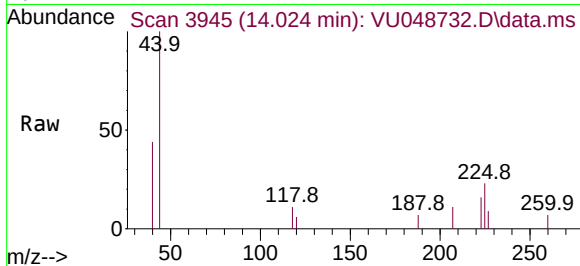




#94
Hexachlorobutadiene
Concen: 0.224 ug/l
RT: 14.024 min Scan# 3945
Delta R.T. 0.006 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

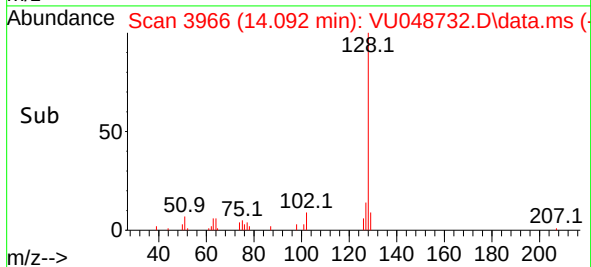
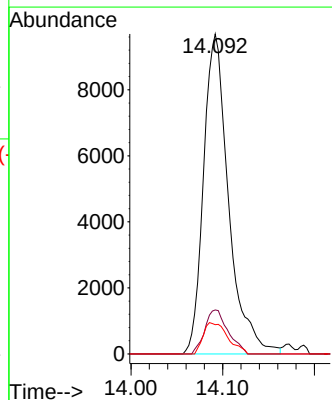
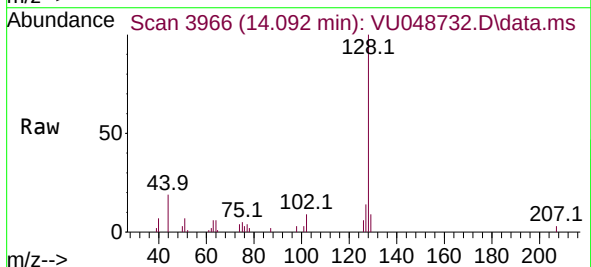
Instrument :
MSVOA_U
ClientSampleId :
VU0531MBL01

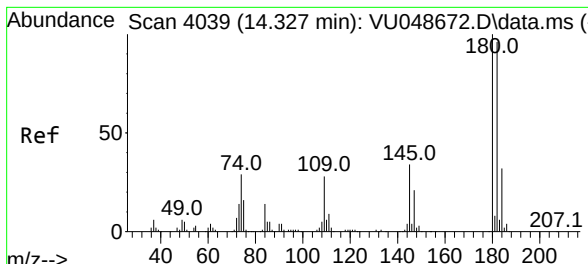
Tgt Ion:	225	Resp:	453
Ion	Ratio	Lower	Upper
225	100		
223	75.9	30.9	92.8
227	35.8	31.1	93.5



#95
Naphthalene
Concen: 3.720 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU048732.D
Acq: 31 May 2022 11:55

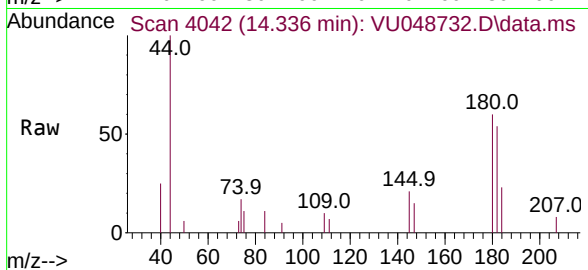
Tgt Ion:	128	Resp:	18422
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	9.5	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.482 ug/l
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.010 min
 Lab File: VU048732.D
 Acq: 31 May 2022 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0531MBL01



Tgt Ion:	180	Resp:	2012
Ion Ratio	Lower	Upper	
180	100		
182	102.6	47.4	142.2
145	35.7	16.6	49.8

