

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048928.D
 Acq On : 07 Jun 2022 23:05
 Operator : SY/MD
 Sample : VU0607WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0607WBL02

Quant Time: Jun 08 04:58:53 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)

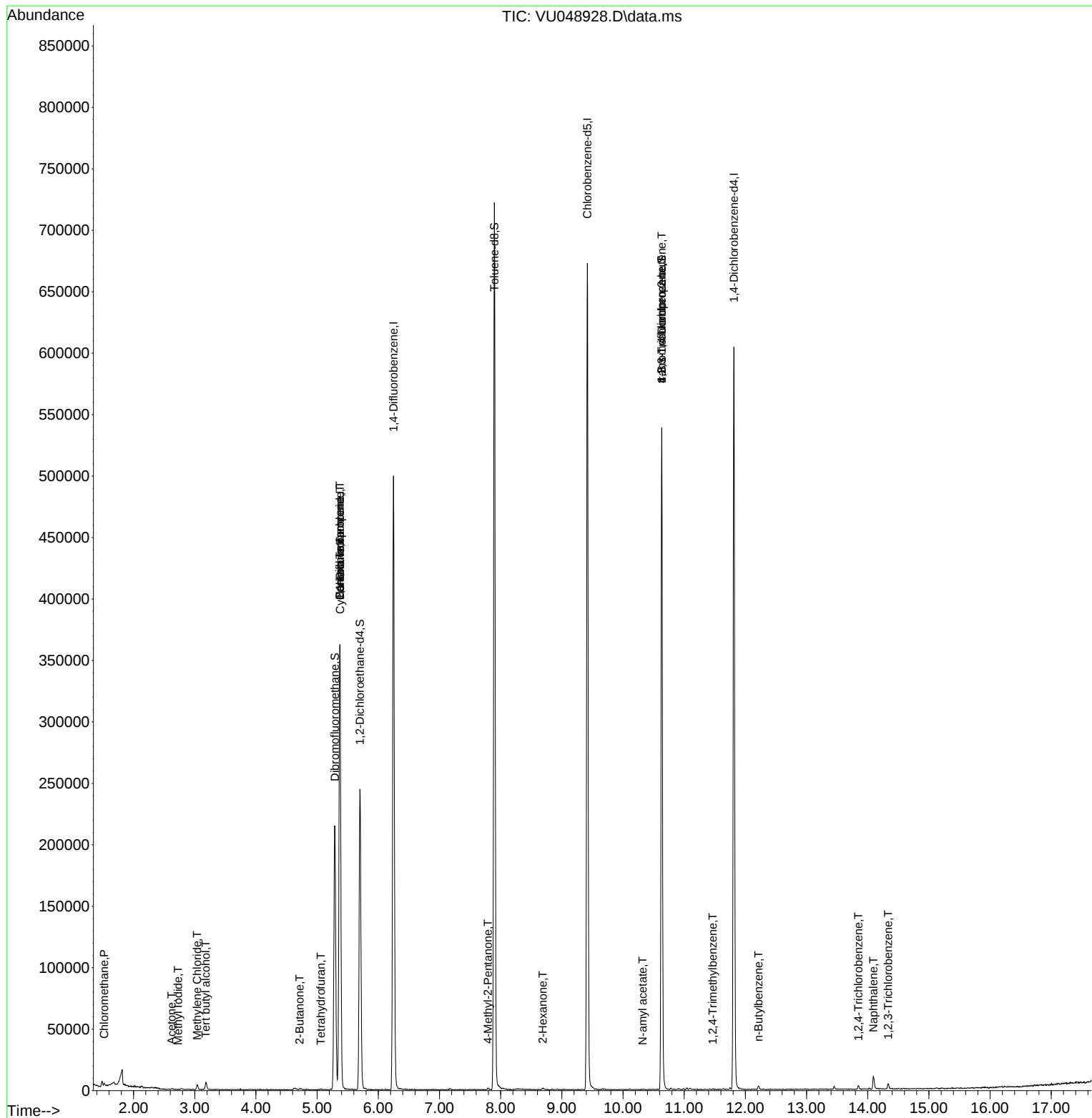
Internal Standards						
1) Pentafluorobenzene	5.372	168	245359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	397510	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	370187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	164975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	186468	50.604	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	101.200%		
35) Dibromofluoromethane	5.288	113	138101	48.697	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.400%		
50) Toluene-d8	7.896	98	474435	46.670	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.340%		
62) 4-Bromofluorobenzene	10.632	95	173054	45.012	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.020%		
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	1063	0.294	ug/l	100
5) Bromomethane	1.835	94	231	Below Cal	#	78
6) Chloroethane	1.932	64	137	Below Cal	#	43
10) Methyl Iodide	2.726	142	62	3.020	ug/l #	37
11) Tert butyl alcohol	3.179	59	3723	3.985	ug/l #	28
13) Acrolein	2.491	56	42	Below Cal	#	47
16) Acetone	2.620	43	462	0.246	ug/l	92
20) Methylene Chloride	3.038	84	1956	0.613	ug/l	85
25) 2-Butanone	4.713	43	2022	0.750	ug/l	96
29) Tetrahydrofuran	5.060	42	452	0.266	ug/l #	42
31) Cyclohexane	5.375	56	5249	1.130	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20444	4.939	ug/l #	49
38) Carbon Tetrachloride	5.372	117	25237	5.315	ug/l #	17
51) 4-Methyl-2-Pentanone	7.793	43	1172	0.238	ug/l #	87
59) 2-Hexanone	8.687	43	1397	0.345	ug/l	89
74) N-amyl acetate	10.320	43	405	2.538	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	90716	17.054	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	90716	61.923	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	324	1.219	ug/l	85
89) n-Butylbenzene	12.214	91	1559	2.341	ug/l	94
93) 1,2,4-Trichlorobenzene	13.844	180	1268	0.341	ug/l	93
95) Naphthalene	14.092	128	11174	3.350	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.336	180	1771	0.481	ug/l	85

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

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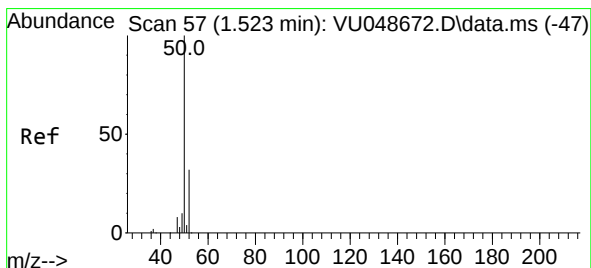
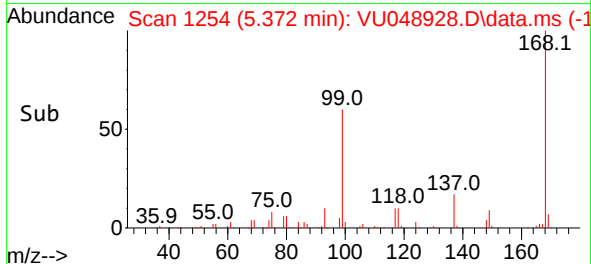
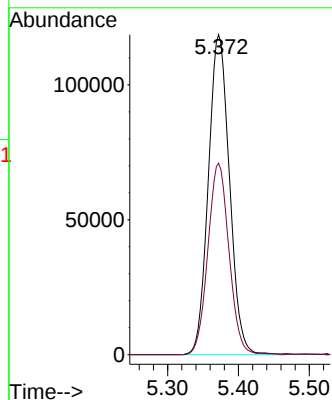
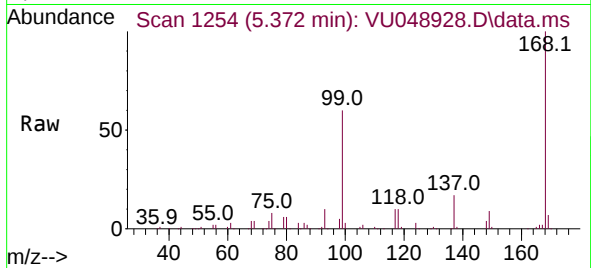




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

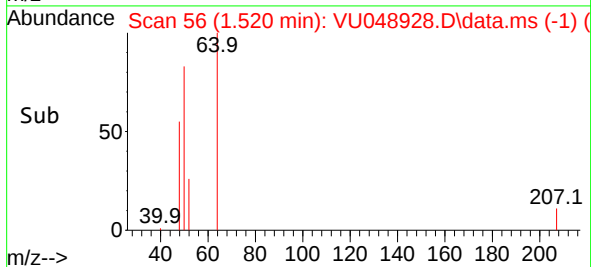
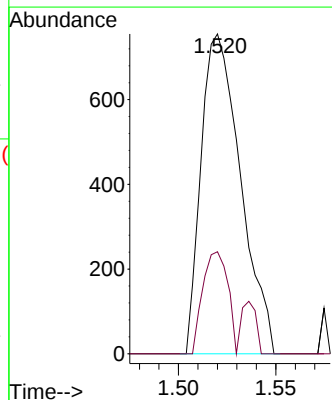
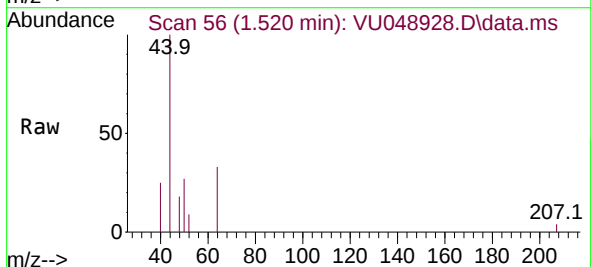
Instrument :
MSVOA_U
ClientSampleId :
VU0607WBL02

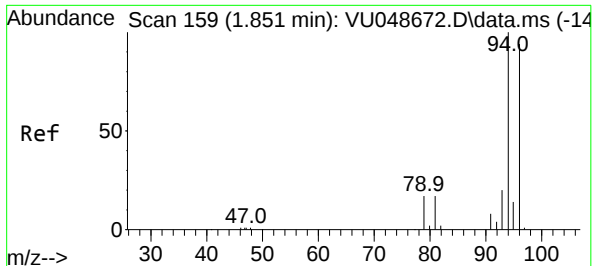
Tgt Ion:168 Resp: 245359
Ion Ratio Lower Upper
168 100
99 59.8 49.3 73.9



#3
Chloromethane
Concen: 0.294 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

Tgt Ion: 50 Resp: 1063
Ion Ratio Lower Upper
50 100
52 31.9 25.7 38.5

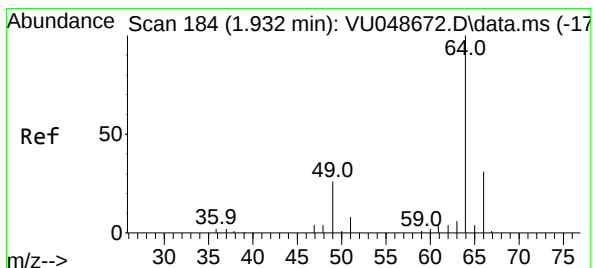
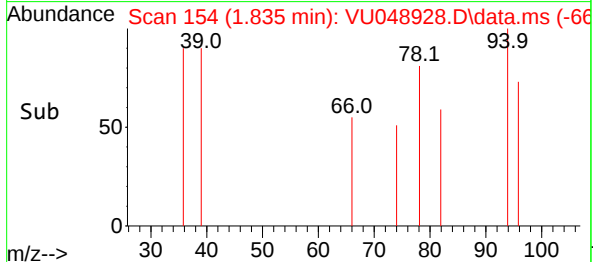
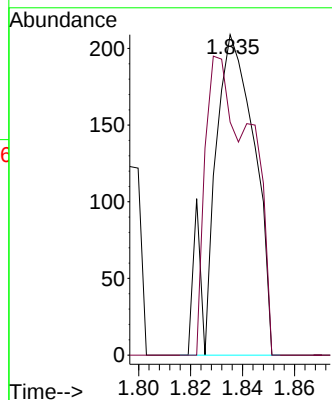
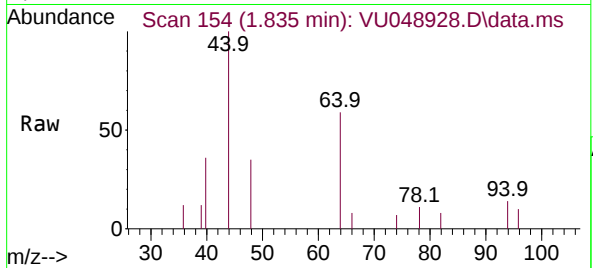




#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

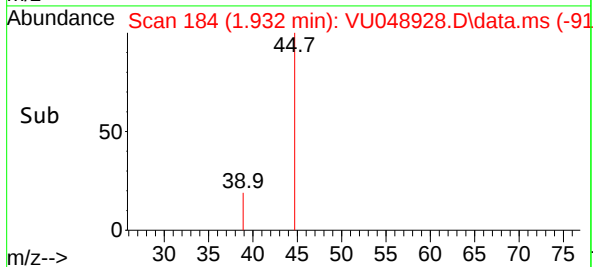
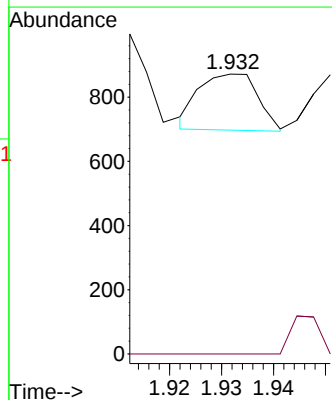
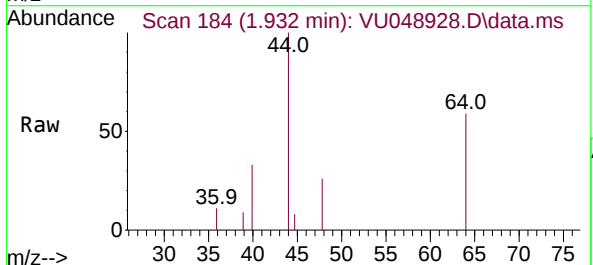
Instrument :
MSVOA_U
ClientSampleId :
VU0607WBL02

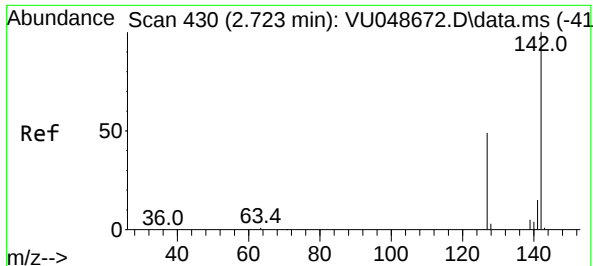
Tgt Ion: 94 Resp: 231
Ion Ratio Lower Upper
94 100
96 72.7 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.932 min Scan# 184
Delta R.T. -0.000 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

Tgt Ion: 64 Resp: 137
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

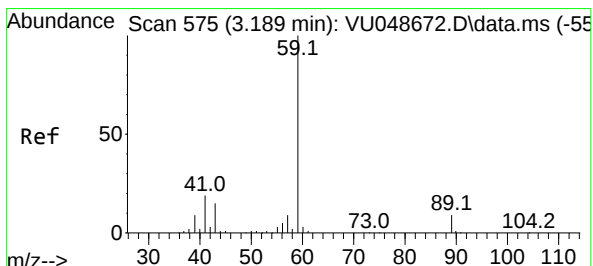
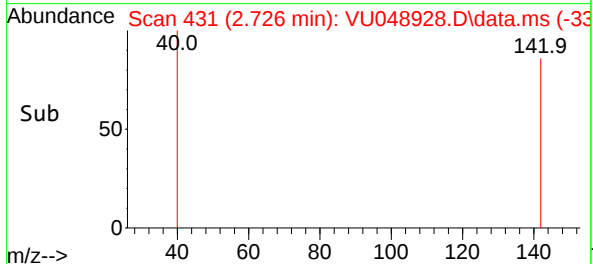
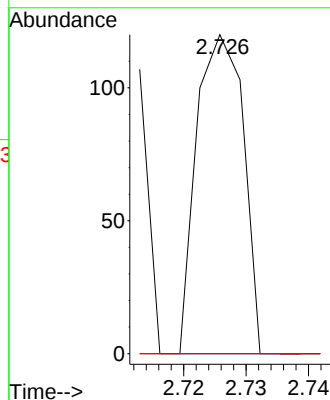
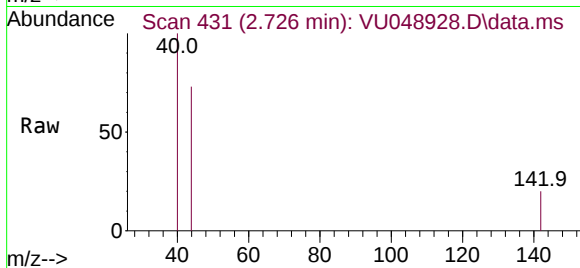




#10
Methyl Iodide
Concen: 3.020 ug/l
RT: 2.726 min Scan# 41
Delta R.T. 0.003 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

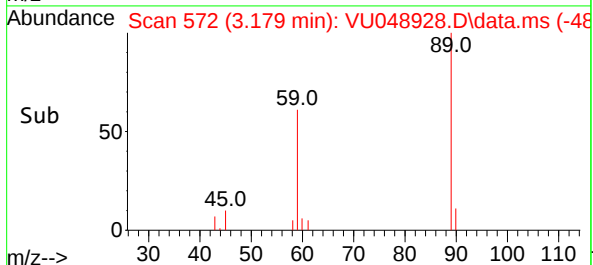
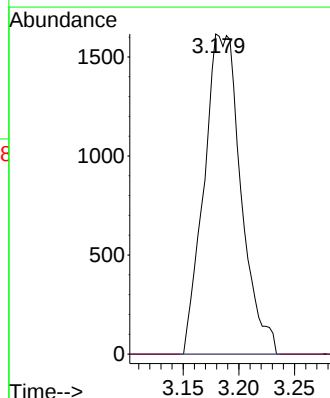
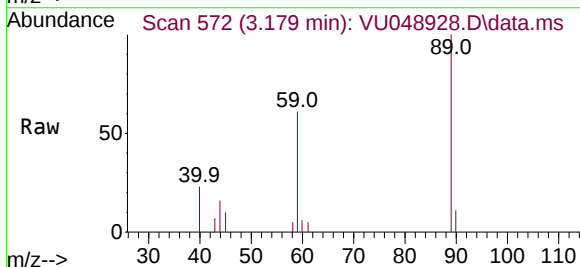
Instrument :
MSVOA_U
ClientSampleId :
VU0607WBL02

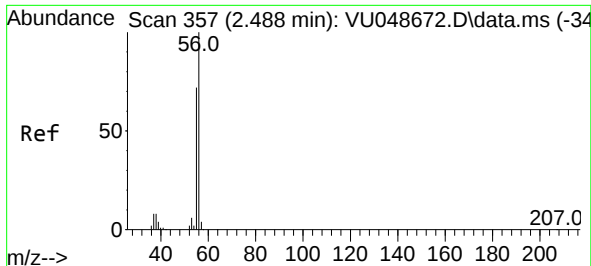
Tgt Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 3.985 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.010 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

Tgt Ion: 59 Resp: 3723
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

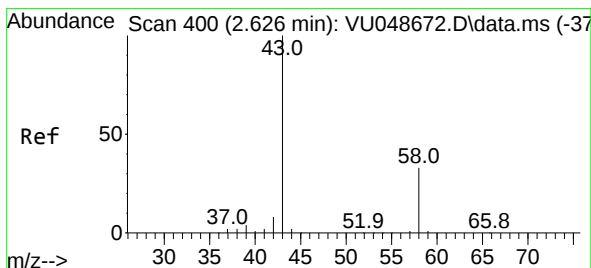
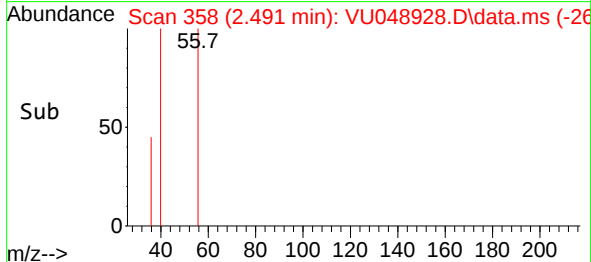
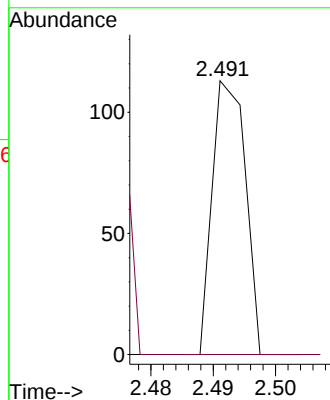
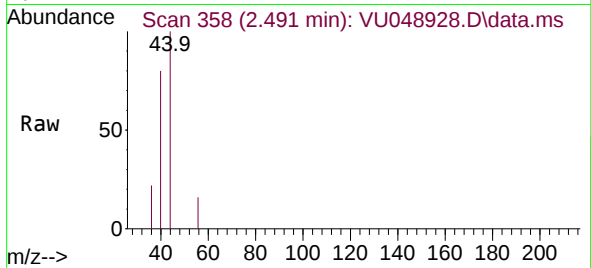




#13
Acrolein
Concen: Below Cal
RT: 2.491 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

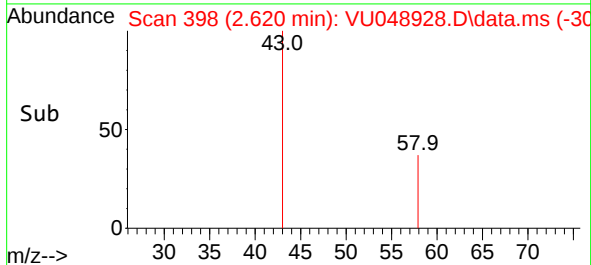
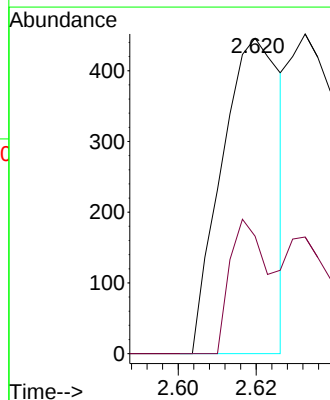
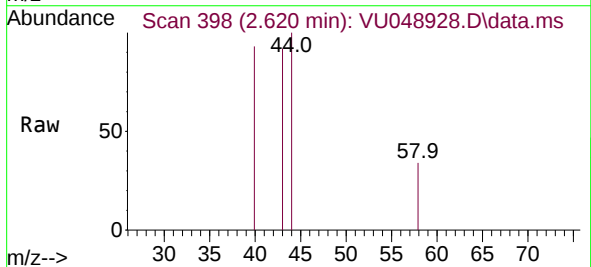
Instrument :
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ClientSampleId :
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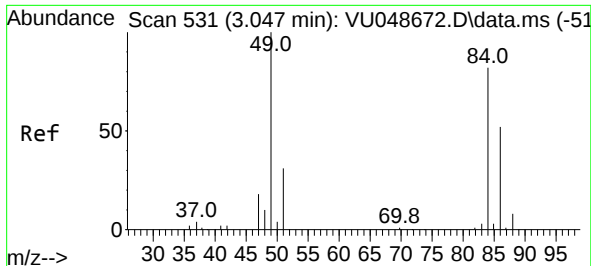
Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 116.7 57.7 86.5#



#16
Acetone
Concen: 0.246 ug/l
RT: 2.620 min Scan# 398
Delta R.T. -0.007 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
58 37.2 26.3 39.5

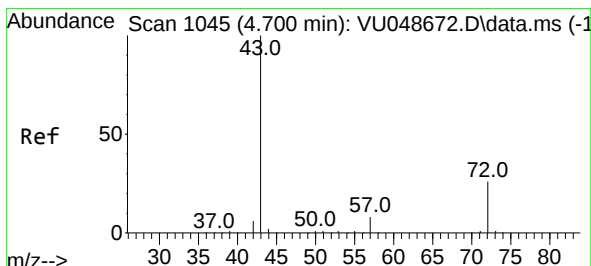
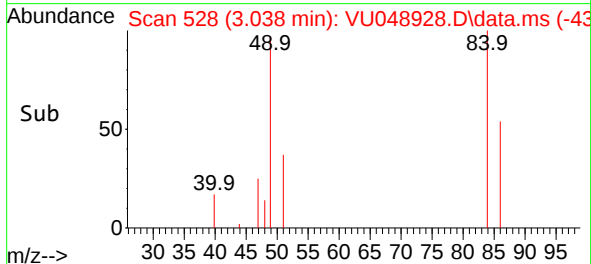
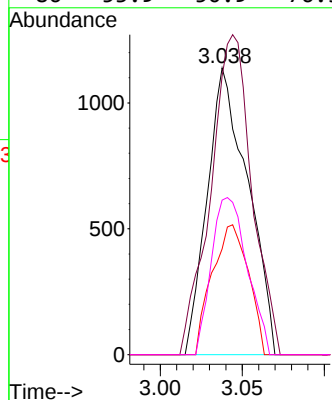
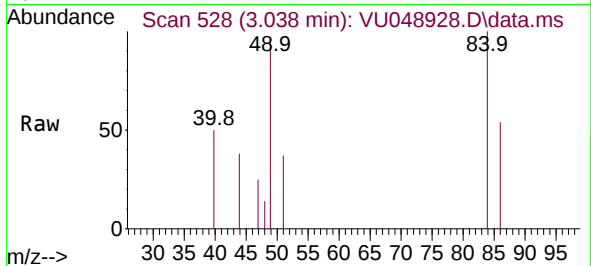




#20
Methylene Chloride
Concen: 0.613 ug/l
RT: 3.038 min Scan# 51
Delta R.T. -0.010 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

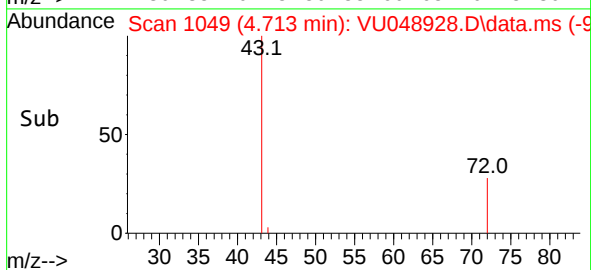
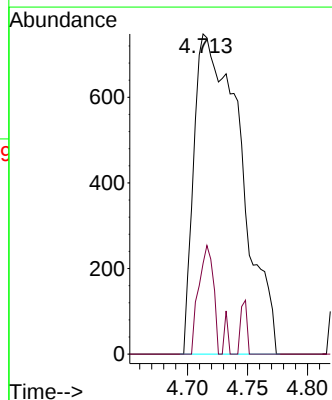
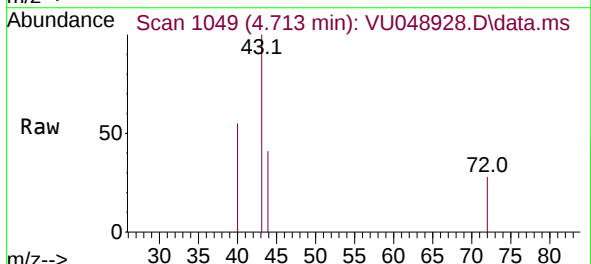
Instrument :
MSVOA_U
ClientSampleId :
VU0607WBL02

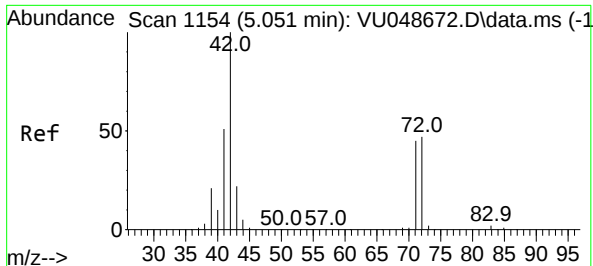
Tgt Ion: 84	Resp:	1956
Ion	Ratio	Lower Upper
84	100	
49	97.2	97.0 145.4
51	36.9	29.8 44.8
86	53.9	50.9 76.3



#25
2-Butanone
Concen: 0.750 ug/l
RT: 4.713 min Scan# 1049
Delta R.T. 0.013 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

Tgt Ion: 43	Resp:	2022
Ion	Ratio	Lower Upper
43	100	
72	28.3	21.1 31.7





#29

Tetrahydrofuran

Concen: 0.266 ug/l

RT: 5.060 min Scan# 1154

Delta R.T. 0.010 min

Lab File: VU048928.D

Acq: 07 Jun 2022 23:05

Instrument :

MSVOA_U

ClientSampleId :

VU0607WBL02

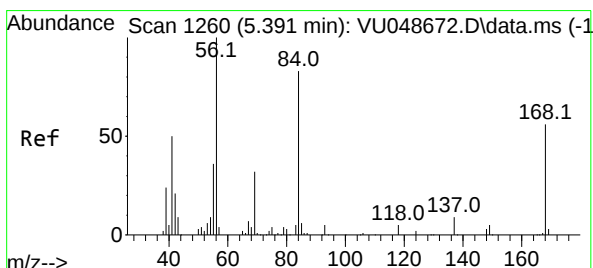
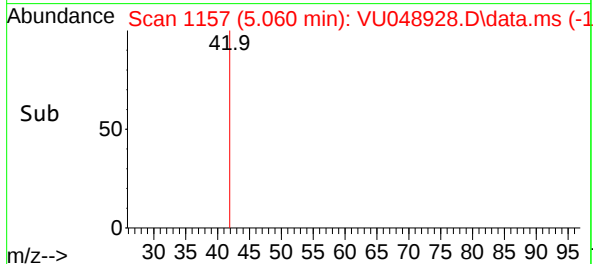
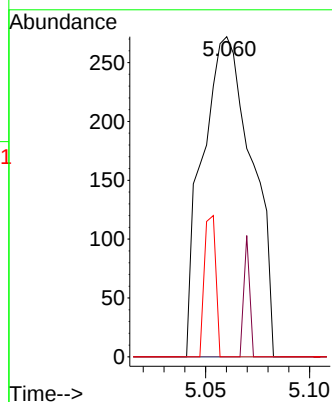
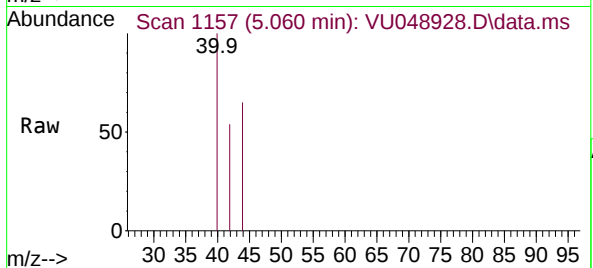
Tgt Ion: 42 Resp: 452

Ion Ratio Lower Upper

42 100

72 4.4 37.6 56.4#

71 10.0 35.0 52.4#



#31

Cyclohexane

Concen: 1.130 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.016 min

Lab File: VU048928.D

Acq: 07 Jun 2022 23:05

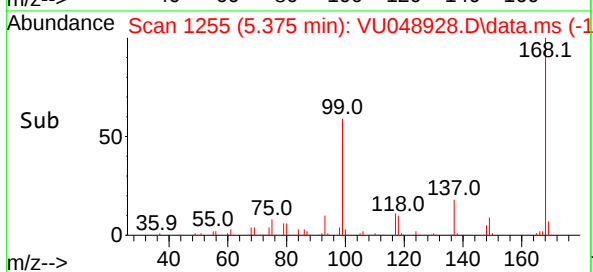
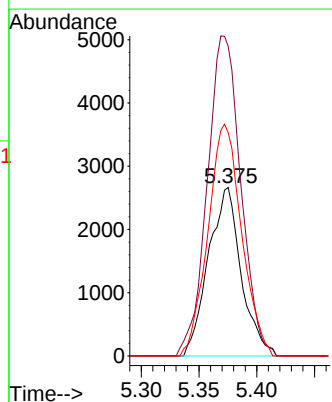
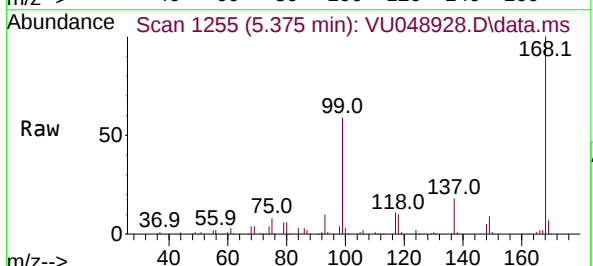
Tgt Ion: 56 Resp: 5249

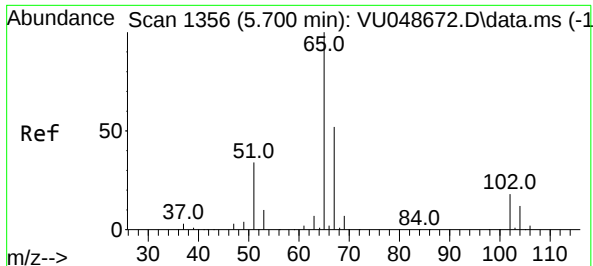
Ion Ratio Lower Upper

56 100

69 183.9 25.6 38.4#

84 132.5 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.604 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048928.D

Acq: 07 Jun 2022 23:05

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ClientSampleId :

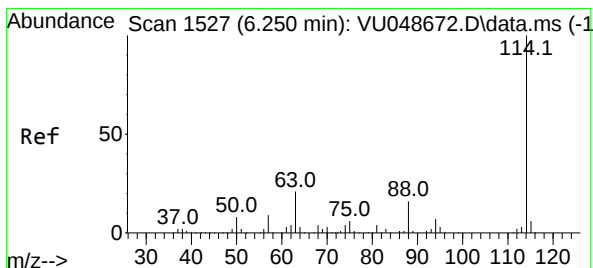
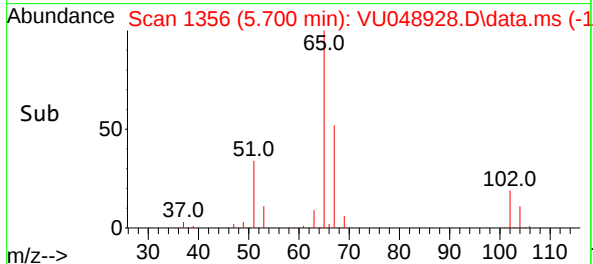
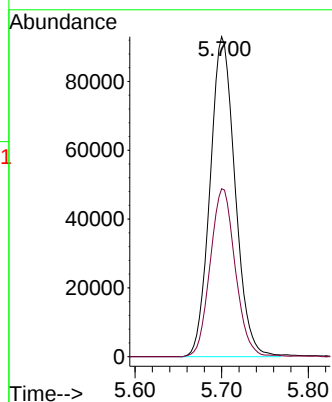
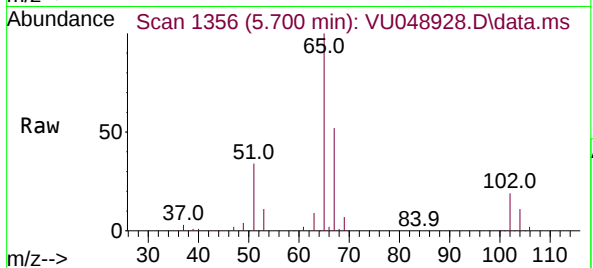
VU0607WBL02

Tgt Ion: 65 Resp: 186468

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048928.D

Acq: 07 Jun 2022 23:05

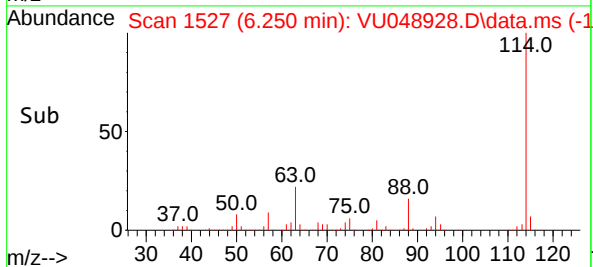
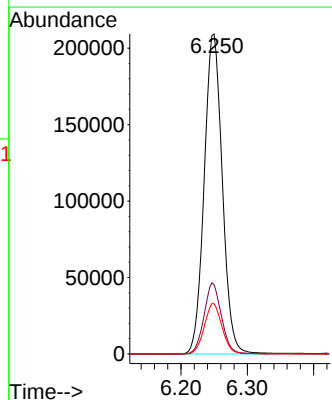
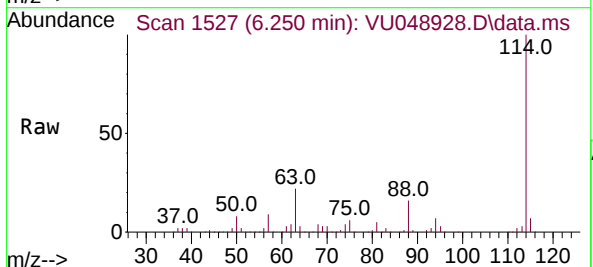
Tgt Ion: 114 Resp: 397510

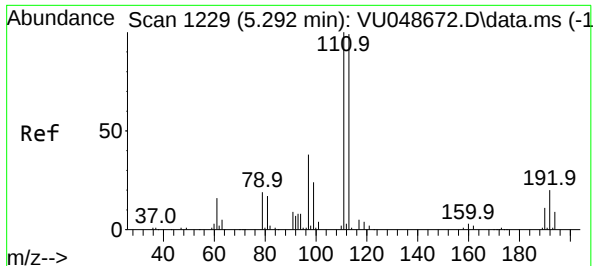
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.6

88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.697 ug/l

RT: 5.288 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048928.D

Acq: 07 Jun 2022 23:05

Instrument :

MSVOA_U

ClientSampleId :

VU0607WBL02

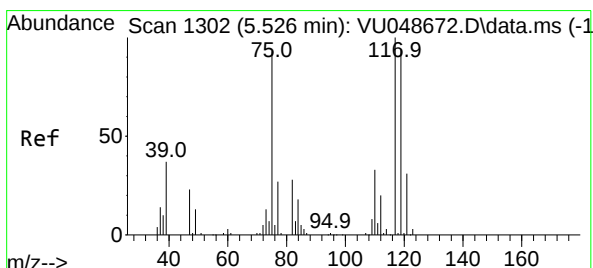
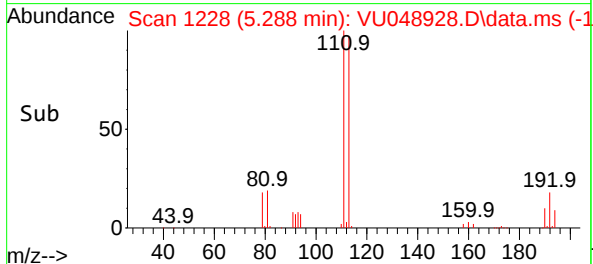
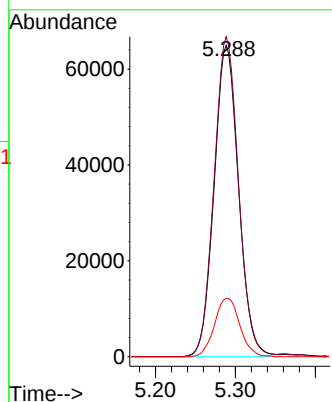
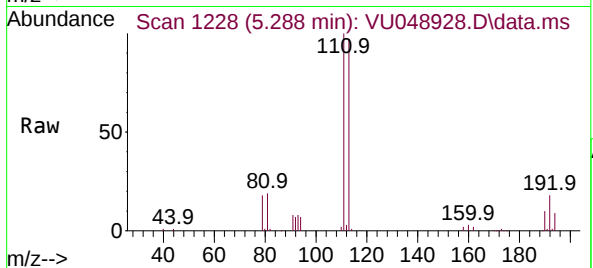
Tgt Ion:113 Resp: 138101

Ion Ratio Lower Upper

113 100

111 102.6 80.7 121.1

192 19.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.939 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048928.D

Acq: 07 Jun 2022 23:05

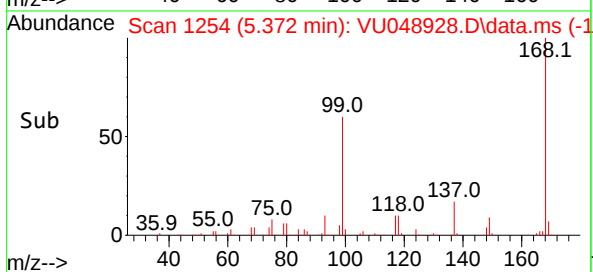
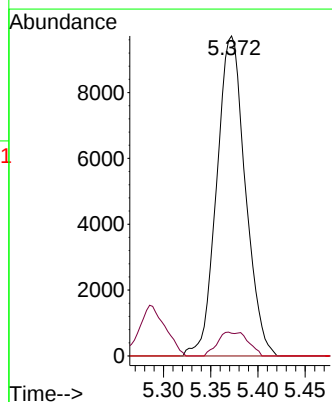
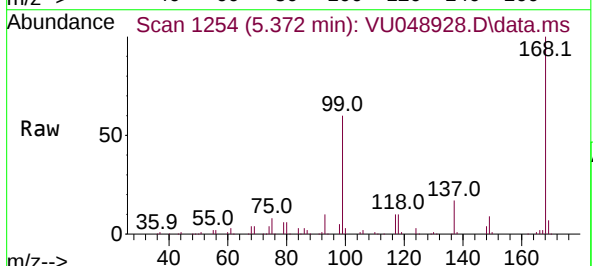
Tgt Ion: 75 Resp: 20444

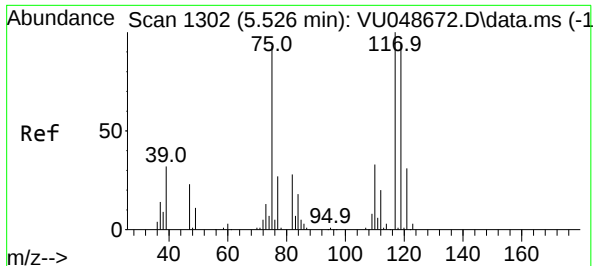
Ion Ratio Lower Upper

75 100

110 7.9 17.4 52.3#

77 0.0 24.8 37.2#

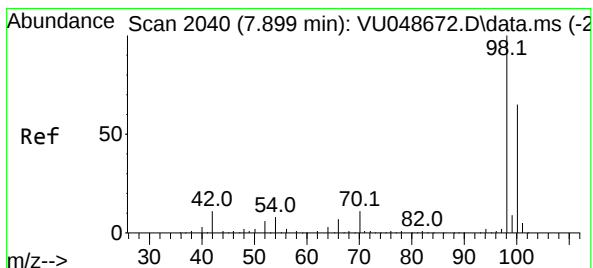
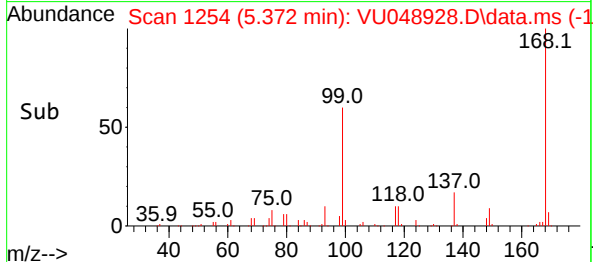
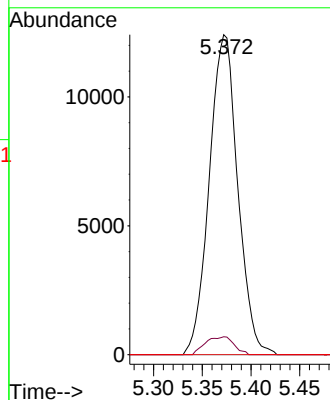
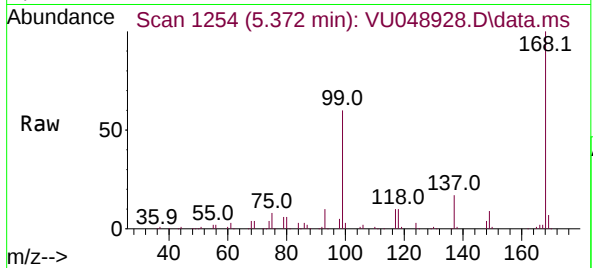




#38
Carbon Tetrachloride
Concen: 5.315 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

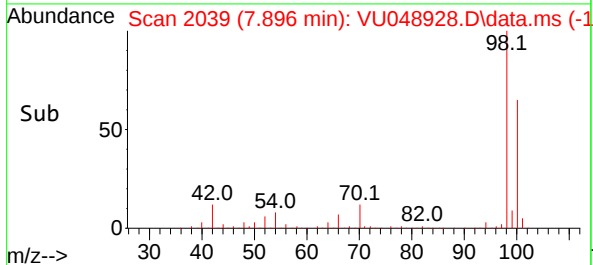
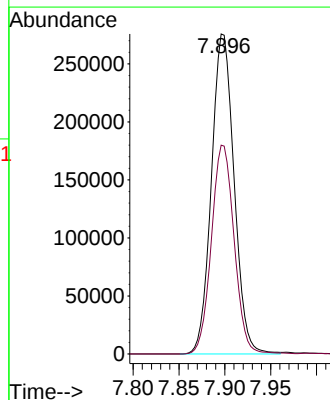
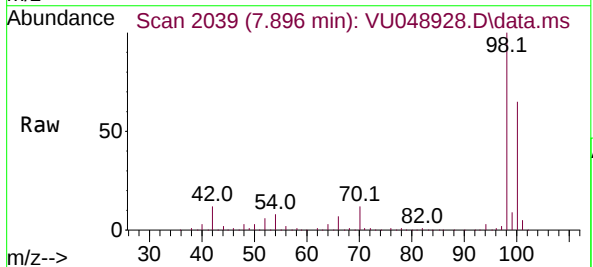
Instrument :
MSVOA_U
ClientSampleId :
VU0607WBL02

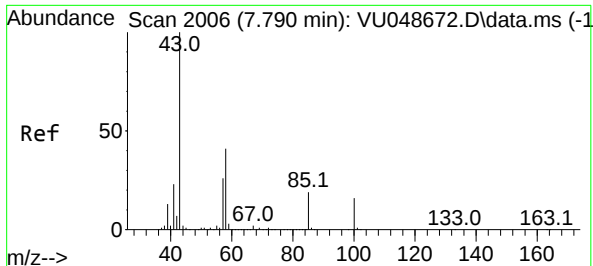
Tgt Ion:117 Resp: 25237
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 46.670 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

Tgt Ion: 98 Resp: 474435
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4

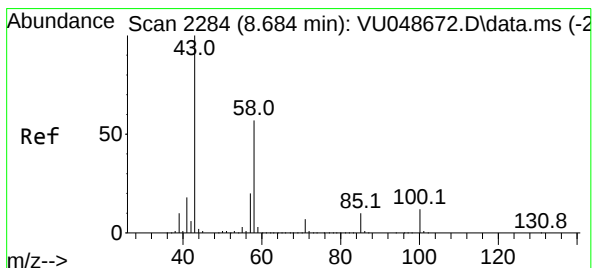
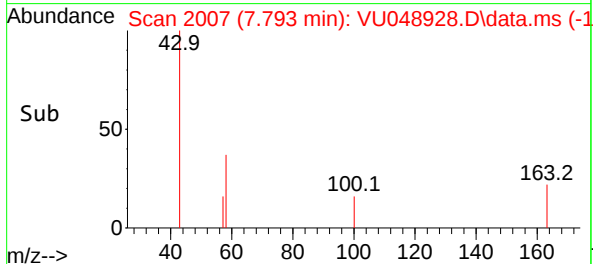
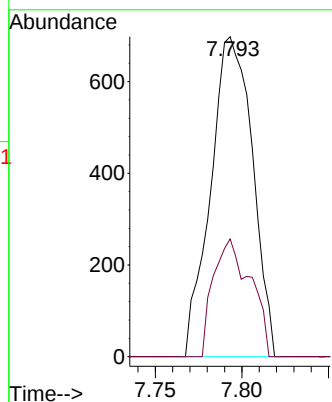
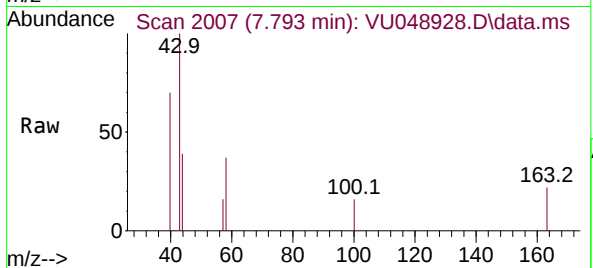




#51
4-Methyl-2-Pentanone
Concen: 0.238 ug/l
RT: 7.793 min Scan# 2006
Delta R.T. 0.003 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

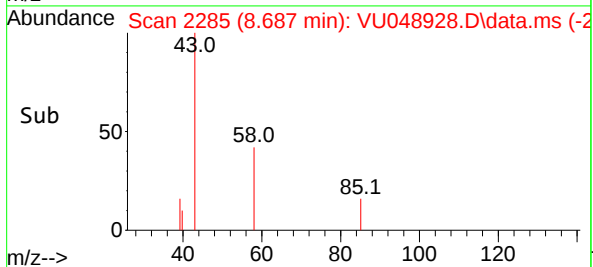
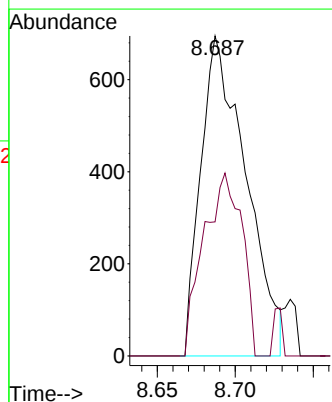
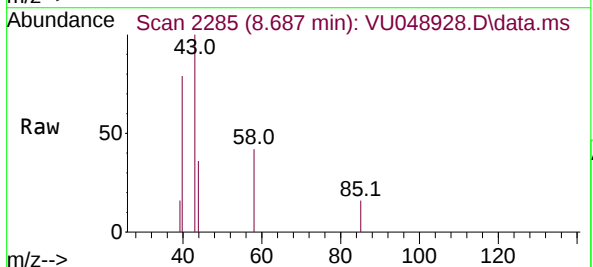
Instrument :
MSVOA_U
ClientSampleId :
VU0607WBL02

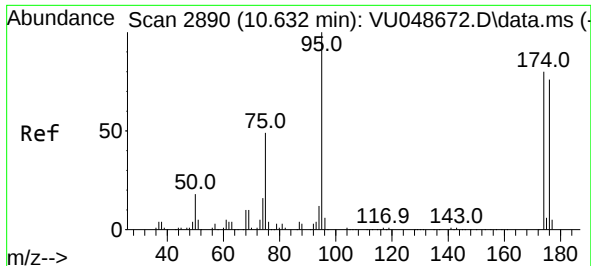
Tgt Ion: 43 Resp: 1172
Ion Ratio Lower Upper
43 100
58 32.6 32.7 49.1#



#59
2-Hexanone
Concen: 0.345 ug/l
RT: 8.687 min Scan# 2285
Delta R.T. 0.003 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

Tgt Ion: 43 Resp: 1397
Ion Ratio Lower Upper
43 100
58 48.6 28.2 84.6

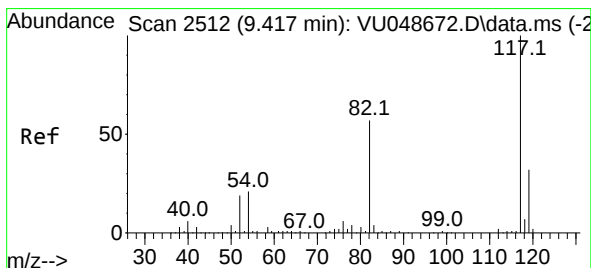
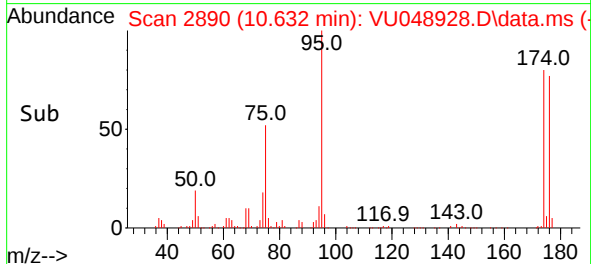
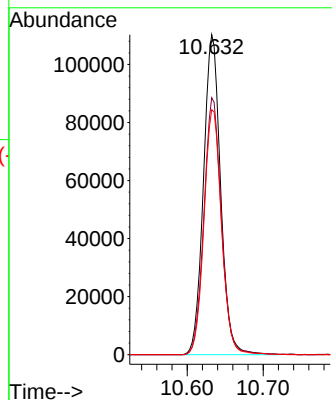
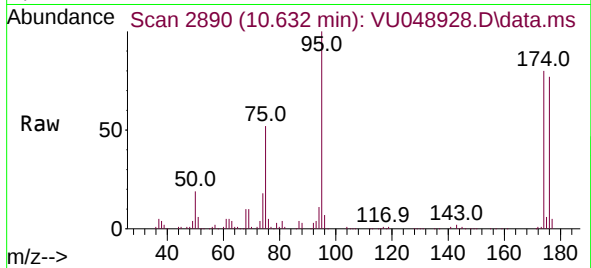




#62
4-Bromofluorobenzene
Concen: 45.012 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

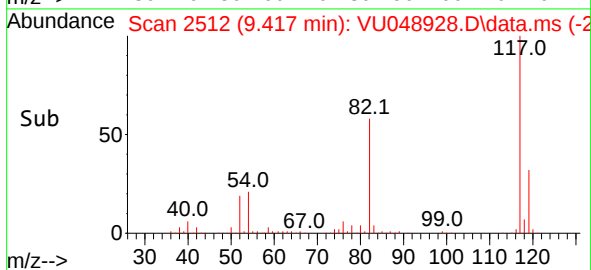
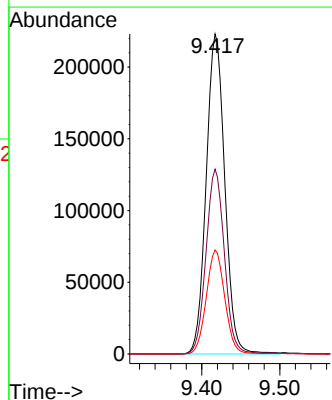
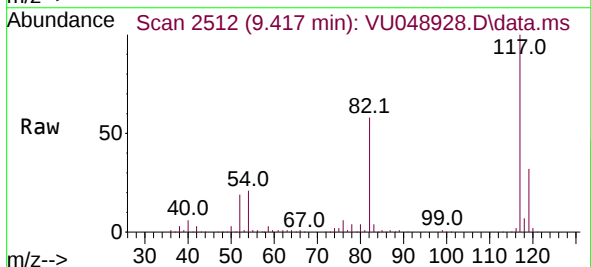
Instrument :
MSVOA_U
ClientSampleId :
VU0607WBL02

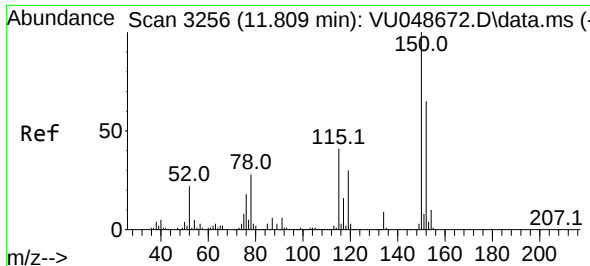
Tgt Ion: 95 Resp: 173054
Ion Ratio Lower Upper
95 100
174 81.9 0.0 159.4
176 78.4 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

Tgt Ion: 117 Resp: 370187
Ion Ratio Lower Upper
117 100
82 57.8 45.3 67.9
119 32.5 25.4 38.2

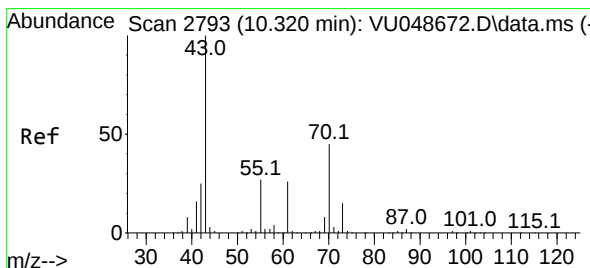
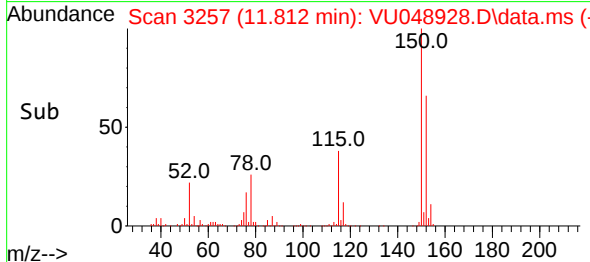
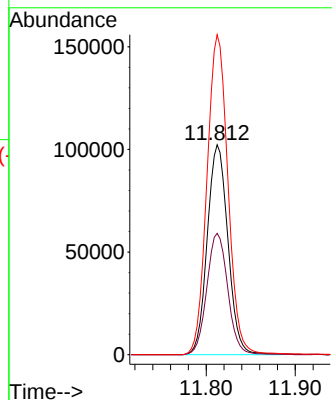
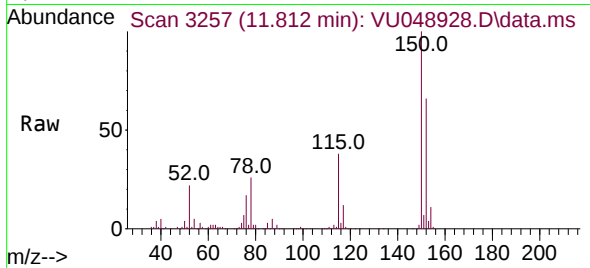




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

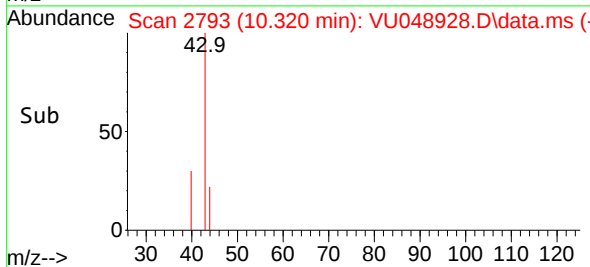
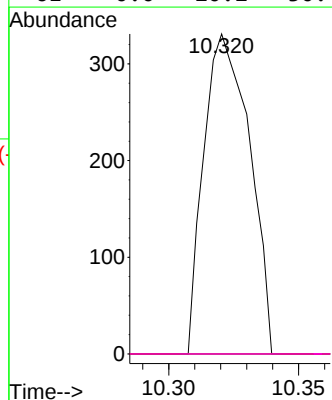
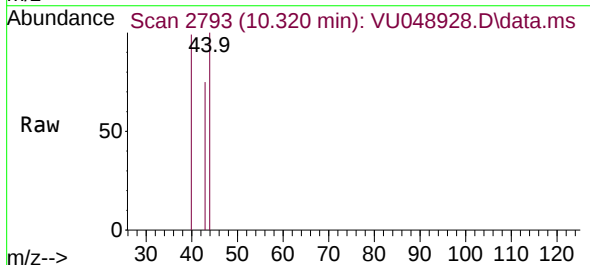
Instrument :
MSVOA_U
ClientSampleId :
VU0607WBL02

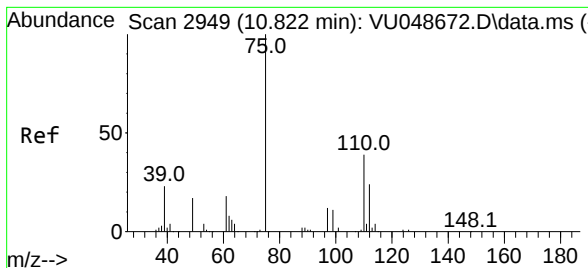
Tgt Ion:152 Resp: 164975
Ion Ratio Lower Upper
152 100
115 58.8 41.8 125.4
150 154.7 0.0 341.0



#74
N-ethyl acetate
Concen: 2.538 ug/l
RT: 10.320 min Scan# 2793
Delta R.T. 0.000 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

Tgt Ion: 43 Resp: 405
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.6#
55 0.0 21.1 31.7#
61 0.0 20.2 30.4#





#76

1,2,3-Trichloropropane

Concen: 17.054 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.190 min

Lab File: VU048928.D

Acq: 07 Jun 2022 23:05

Instrument :

MSVOA_U

ClientSampleId :

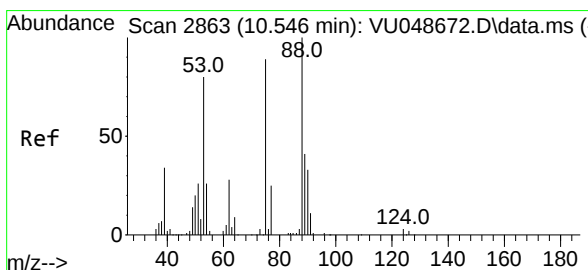
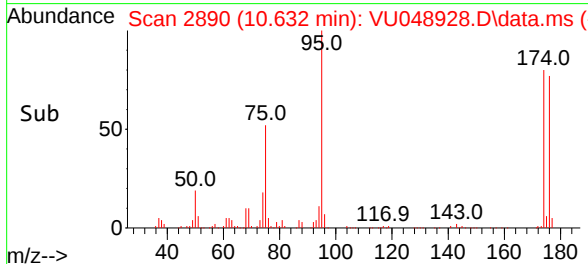
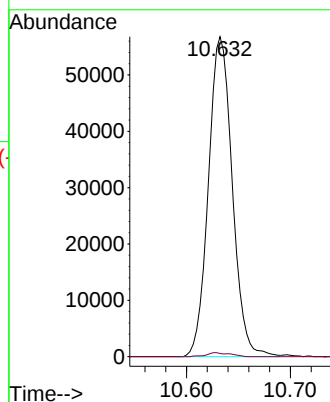
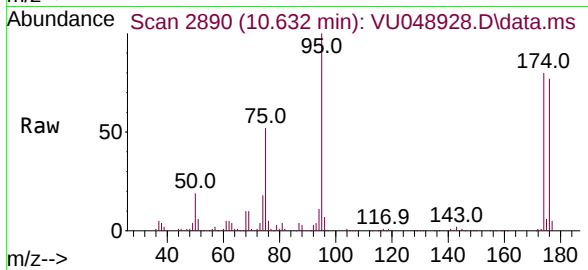
VU0607WBL02

Tgt Ion: 75 Resp: 90716

Ion Ratio Lower Upper

75 100

77 1.2 14.8 44.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.923 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.087 min

Lab File: VU048928.D

Acq: 07 Jun 2022 23:05

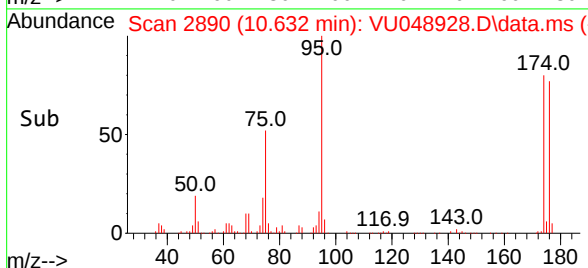
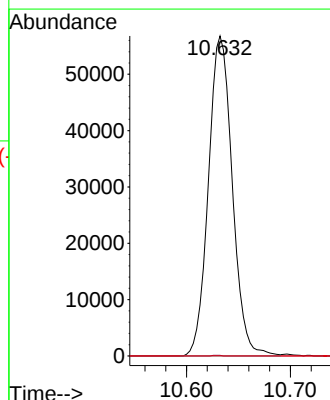
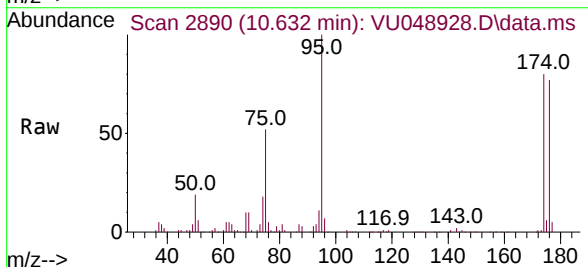
Tgt Ion: 75 Resp: 90716

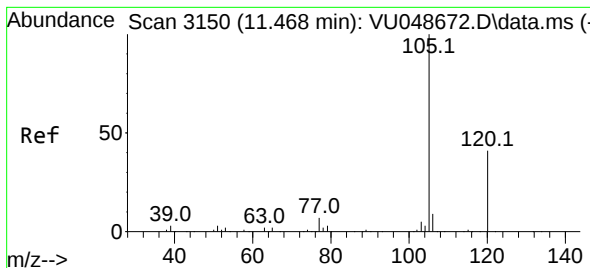
Ion Ratio Lower Upper

75 100

53 0.1 72.5 108.7#

89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.219 ug/l

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU048928.D

Acq: 07 Jun 2022 23:05

Instrument :

MSVOA_U

ClientSampleId :

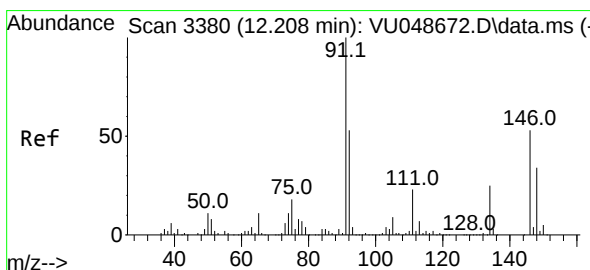
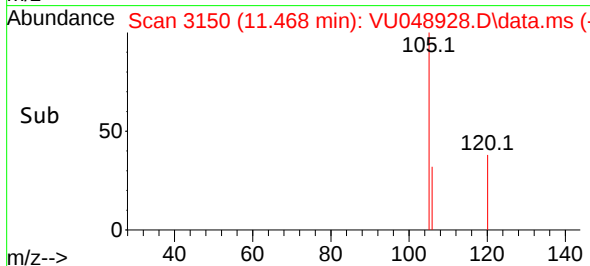
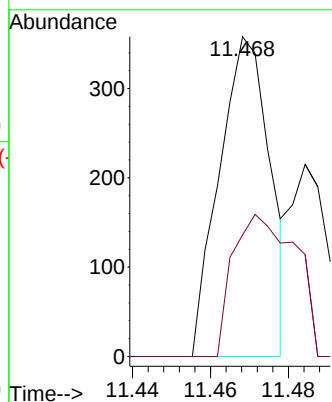
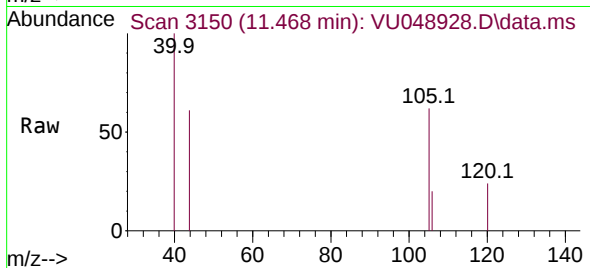
VU0607WBL02

Tgt Ion:105 Resp: 324

Ion Ratio Lower Upper

105 100

120 54.9 22.5 67.5



#89

n-Butylbenzene

Concen: 2.341 ug/l

RT: 12.214 min Scan# 3382

Delta R.T. 0.006 min

Lab File: VU048928.D

Acq: 07 Jun 2022 23:05

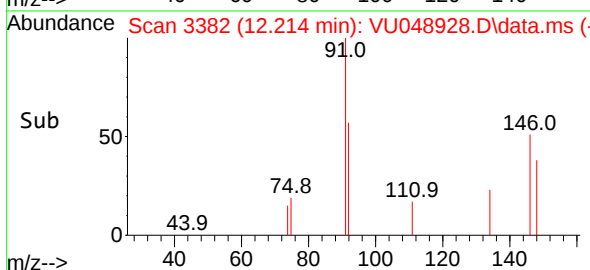
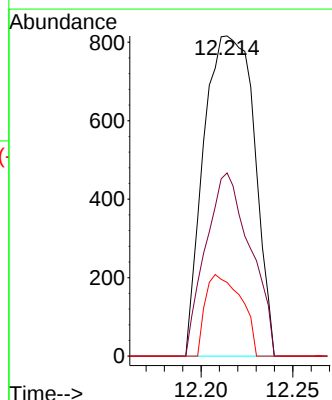
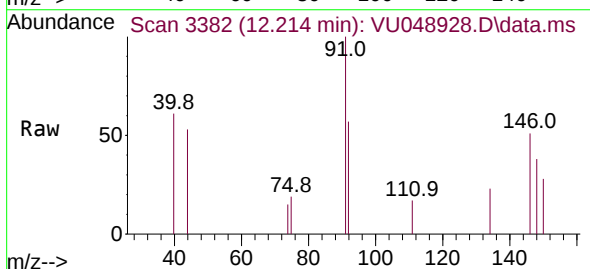
Tgt Ion: 91 Resp: 1559

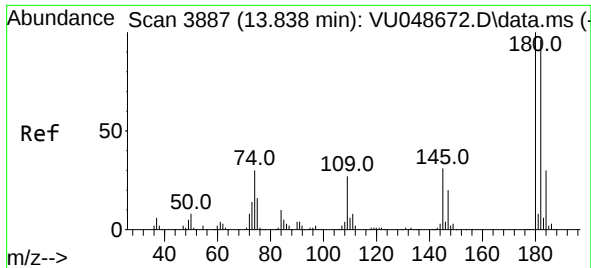
Ion Ratio Lower Upper

91 100

92 50.7 25.9 77.8

134 18.1 12.5 37.5

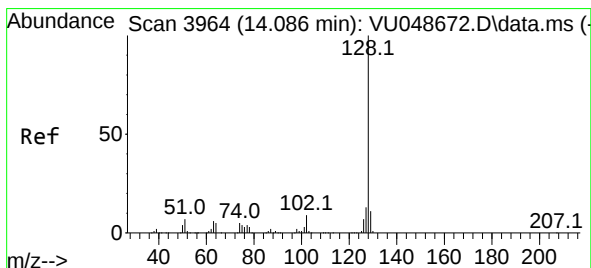
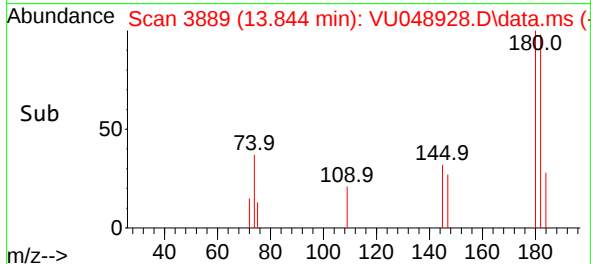
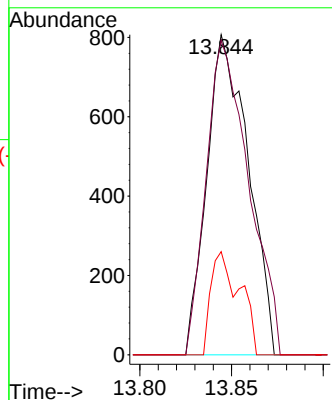
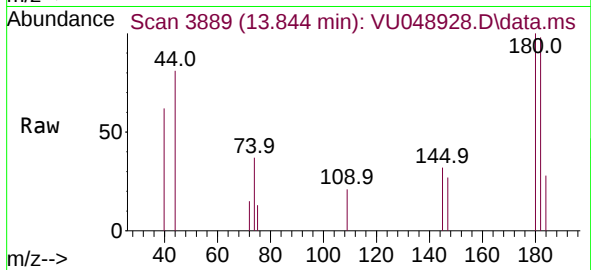




#93
1,2,4-Trichlorobenzene
Concen: 0.341 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.006 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

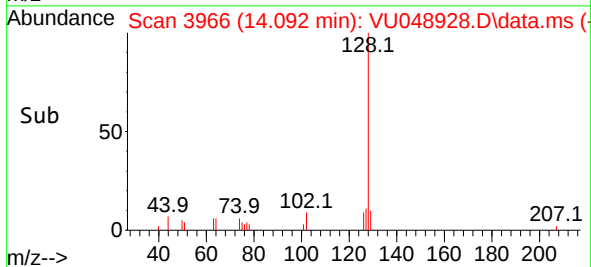
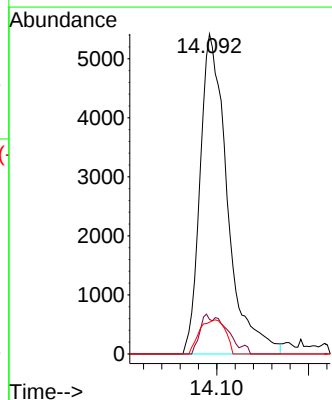
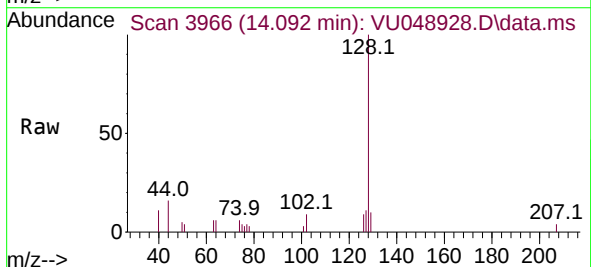
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ClientSampleId :
VU0607WBL02

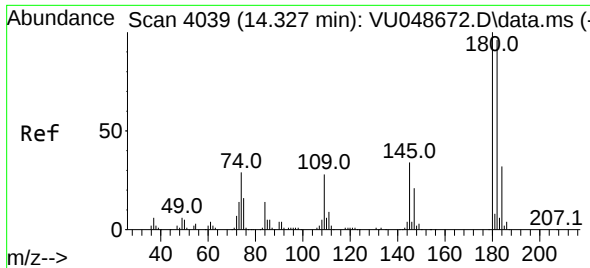
Tgt Ion:180 Resp: 1268
Ion Ratio Lower Upper
180 100
182 100.9 48.3 144.9
145 22.2 15.6 46.7



#95
Naphthalene
Concen: 3.350 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU048928.D
Acq: 07 Jun 2022 23:05

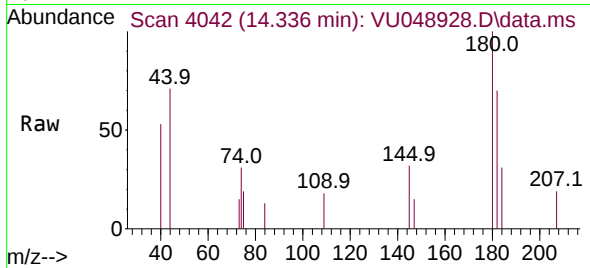
Tgt Ion:128 Resp: 11174
Ion Ratio Lower Upper
128 100
127 5.6 10.2 15.4#
129 10.1 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.481 ug/l
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.010 min
 Lab File: VU048928.D
 Acq: 07 Jun 2022 23:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0607WBL02



Tgt Ion:	180	Resp:	1771
Ion	Ratio	Lower	Upper
180	100		
182	76.9	47.4	142.2
145	30.7	16.6	49.8

