

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048813.D
 Acq On : 02 Jun 2022 18:56
 Operator : SY/MD
 Sample : N3112-13 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 INTERCEPTOR-SUMP-20220527

Quant Time: Jun 03 01:18:40 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)

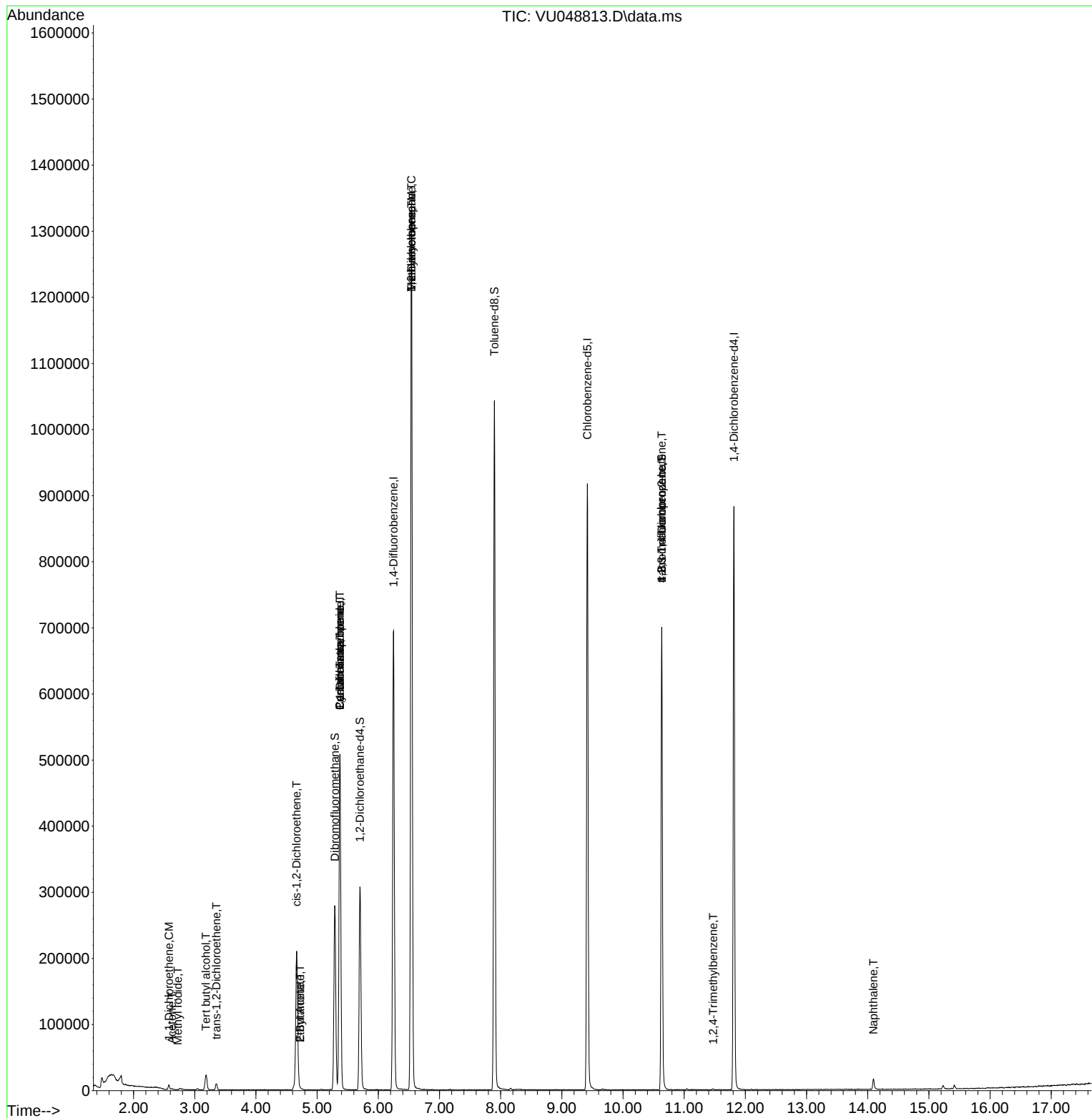
Internal Standards						
1) Pentafluorobenzene	5.372	168	346554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	564392	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	521037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	234629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	234452	45.047	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.100%		
35) Dibromofluoromethane	5.289	113	181458	45.066	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.140%		
50) Toluene-d8	7.896	98	692132	47.953	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.900%		
62) 4-Bromofluorobenzene	10.632	95	234313	42.925	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.860%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.845	94	206	Below Cal	#	78
6) Chloroethane	1.974	64	389	Below Cal	#	43
10) Methyl Iodide	2.723	142	110	3.023	ug/l #	37
11) Tert butyl alcohol	3.182	59	14113	10.696	ug/l #	28
12) 1,1-Dichloroethene	2.578	96	2499	0.708	ug/l #	70
13) Acrolein	2.485	56	119	Below Cal	#	60
16) Acetone	2.626	43	1617	0.610	ug/l	95
21) trans-1,2-Dichloroethene	3.353	96	3755	0.931	ug/l	86
25) 2-Butanone	4.723	43	2605	0.684	ug/l #	85
27) cis-1,2-Dichloroethene	4.665	96	109325	23.409	ug/l	87
31) Cyclohexane	5.372	56	7036	1.073	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	28255	4.808	ug/l #	50
37) Ethyl Acetate	4.723	43	2605	0.351	ug/l #	68
38) Carbon Tetrachloride	5.372	117	36275	5.380	ug/l #	16
39) Methylcyclohexane	6.542	83	5816	0.944	ug/l #	1
44) Trichloroethene	6.542	130	451739	101.065	ug/l	98
45) 1,2-Dichloropropane	6.542	63	1492	0.342	ug/l #	1
76) 1,2,3-Trichloropropane	10.632	75	120518	15.931	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	120518	57.843	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	1229	1.271	ug/l	89
95) Naphthalene	14.092	128	15554	3.332	ug/l	100

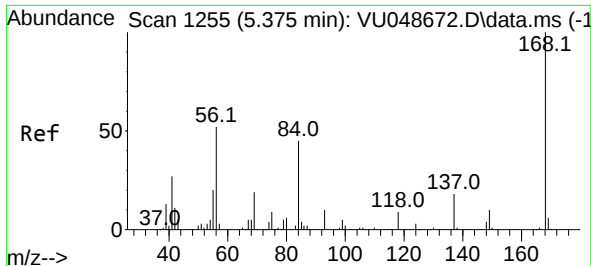
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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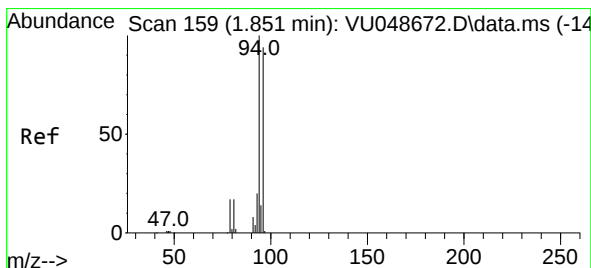
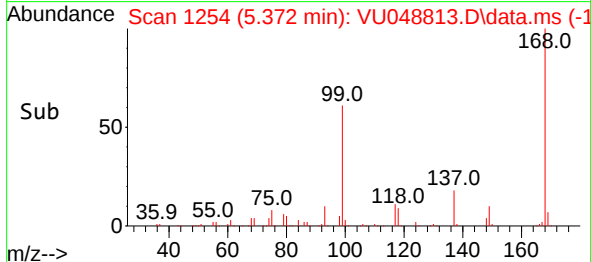
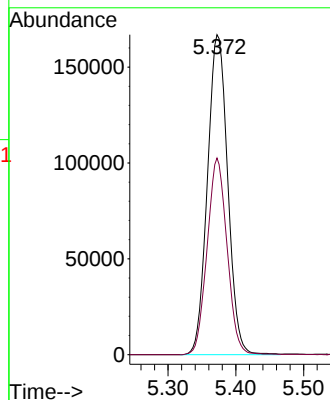
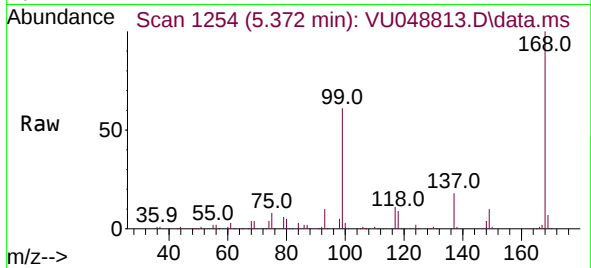




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

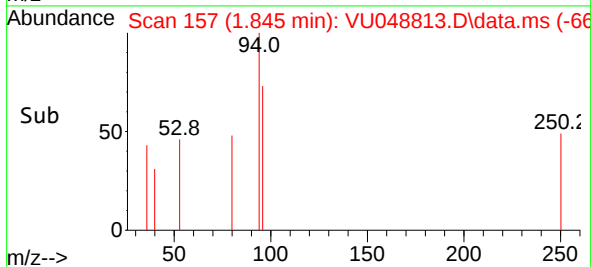
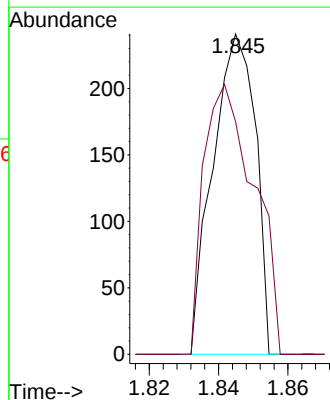
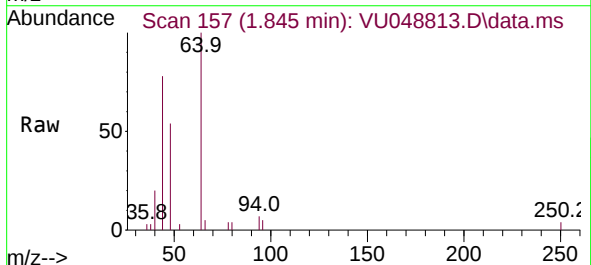
Instrument :
MSVOA_U
ClientSampleId :
INTERCEPTOR-SUMP-20220527

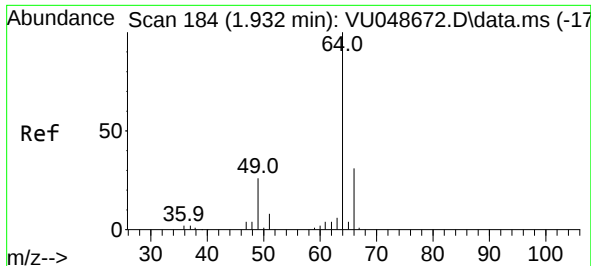
Tgt Ion:168 Resp: 346554
Ion Ratio Lower Upper
168 100
99 61.5 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.845 min Scan# 157
Delta R.T. -0.006 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

Tgt Ion: 94 Resp: 206
Ion Ratio Lower Upper
94 100
96 72.6 75.1 112.7#

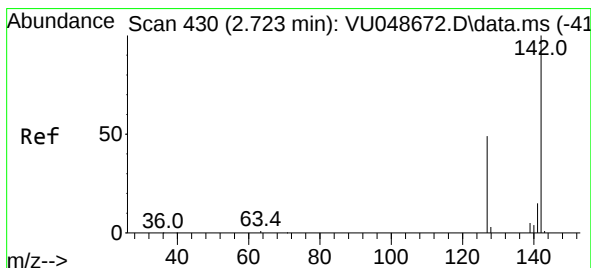
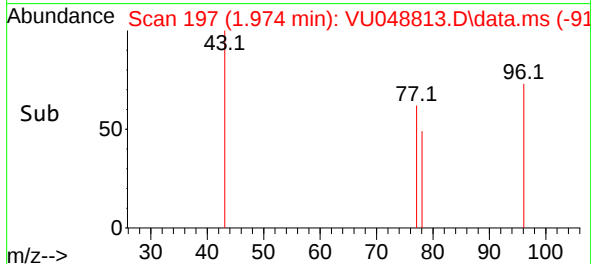
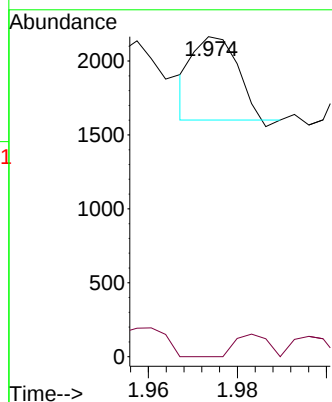
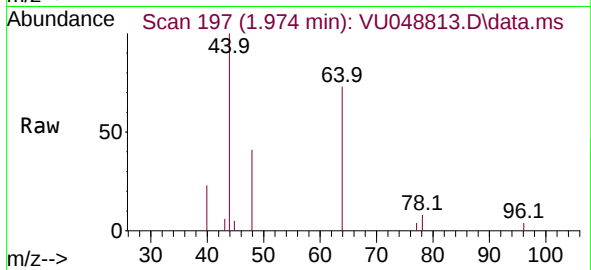




#6
Chloroethane
Concen: Below Cal
RT: 1.974 min Scan# 197
Delta R.T. 0.042 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

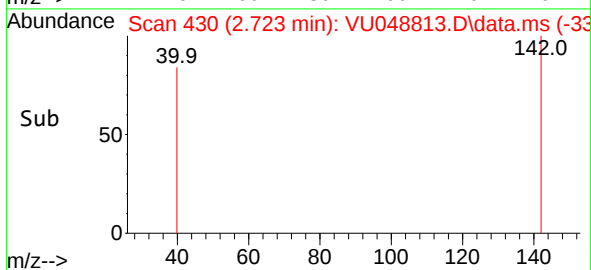
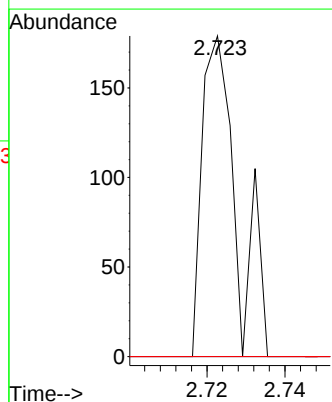
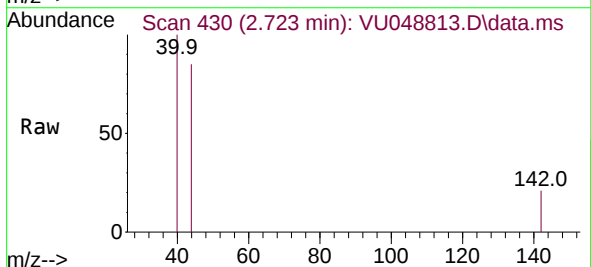
Instrument : MSVOA_U
ClientSampleId : INTERCEPTOR-SUMP-20220527

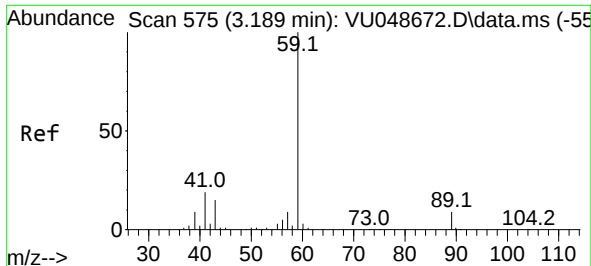
Tgt Ion: 64 Resp: 389
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#10
Methyl Iodide
Concen: 3.023 ug/l
RT: 2.723 min Scan# 430
Delta R.T. -0.000 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

Tgt Ion:142 Resp: 110
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#

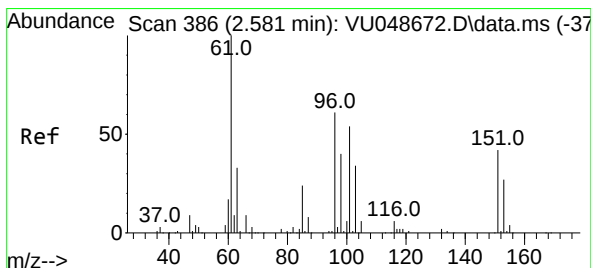
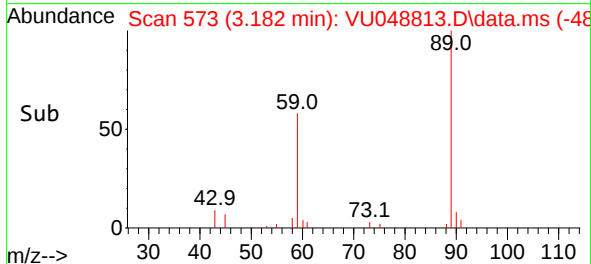
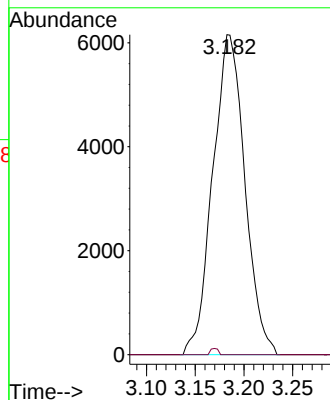
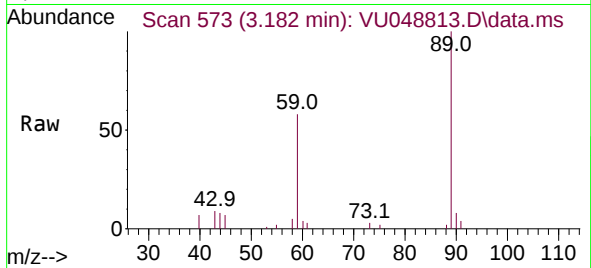




#11
Tert butyl alcohol
Concen: 10.696 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

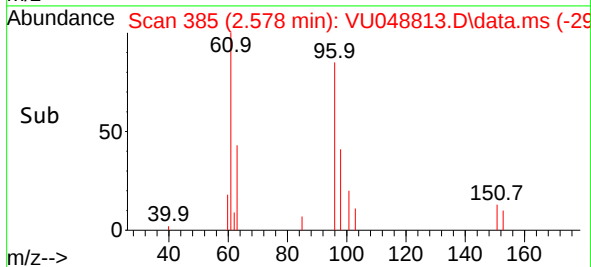
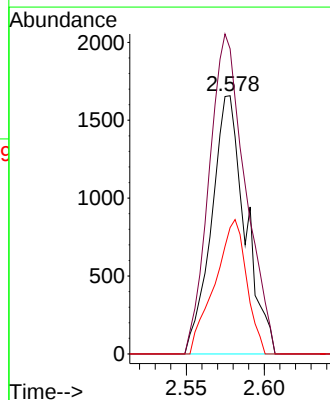
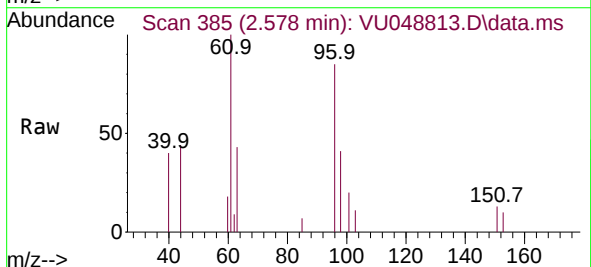
Instrument :
MSVOA_U
ClientSampleId :
INTERCEPTOR-SUMP-20220527

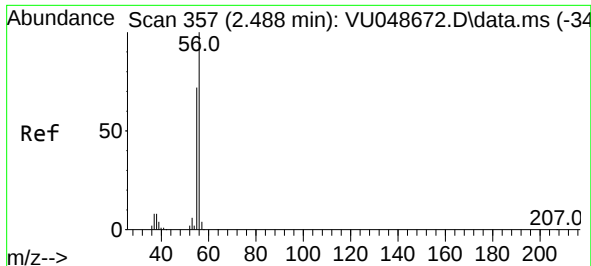
Tgt Ion: 59 Resp: 14113
Ion Ratio Lower Upper
59 100
57 0.5 39.7 59.5#



#12
1,1-Dichloroethene
Concen: 0.708 ug/l
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

Tgt Ion: 96 Resp: 2499
Ion Ratio Lower Upper
96 100
61 118.1 131.1 196.7#
98 48.9 51.8 77.8#





#13

Acrolein

Concen: Below Cal

RT: 2.485 min Scan# 3

Delta R.T. -0.003 min

Lab File: VU048813.D

Acq: 02 Jun 2022 18:56

Instrument :

MSVOA_U

ClientSampleId :

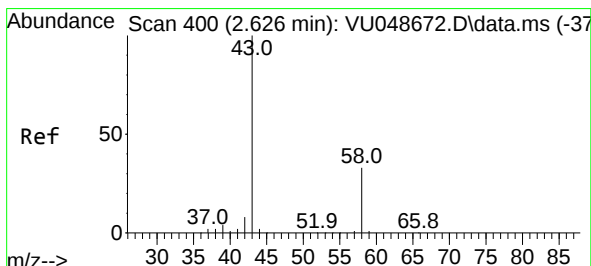
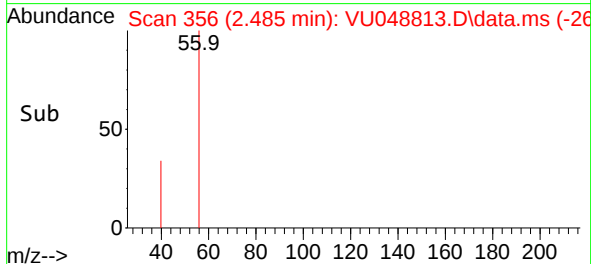
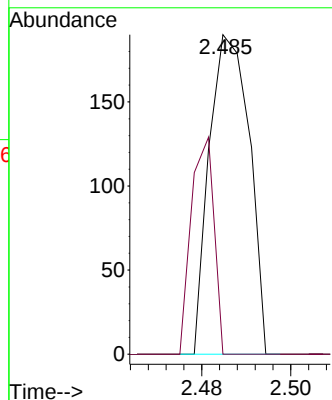
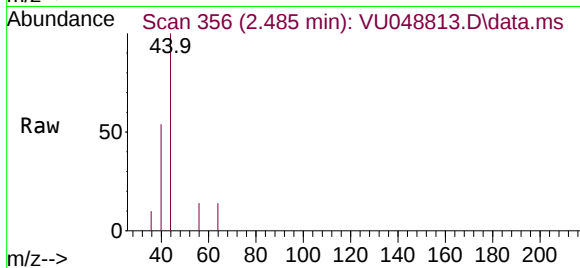
INTERCEPTOR-SUMP-20220527

Tgt Ion: 56 Resp: 119

Ion Ratio Lower Upper

56 100

55 38.7 57.7 86.5#



#16

Acetone

Concen: 0.610 ug/l

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU048813.D

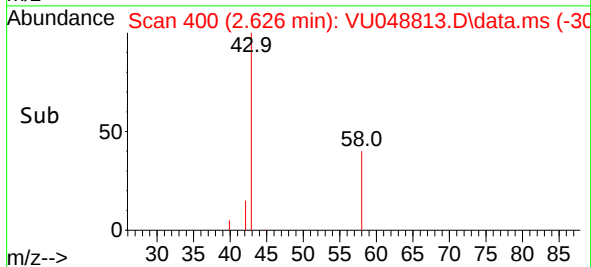
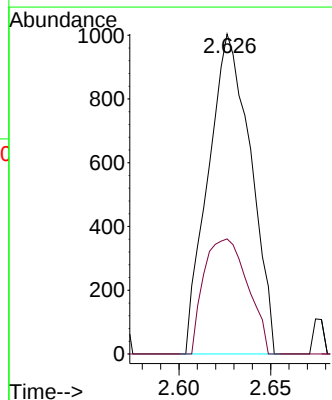
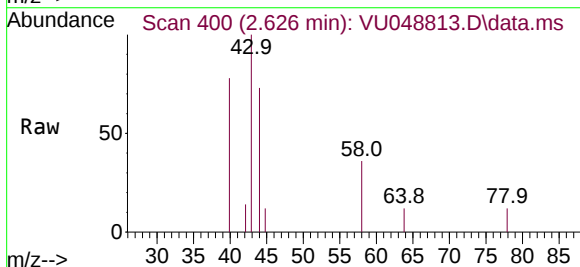
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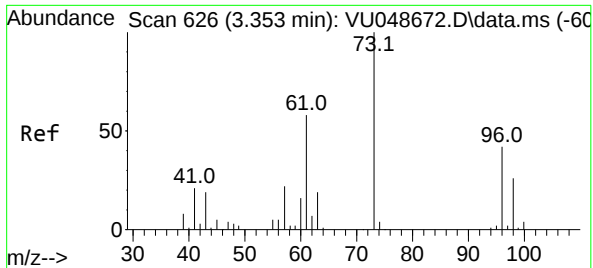
Tgt Ion: 43 Resp: 1617

Ion Ratio Lower Upper

43 100

58 36.0 26.3 39.5

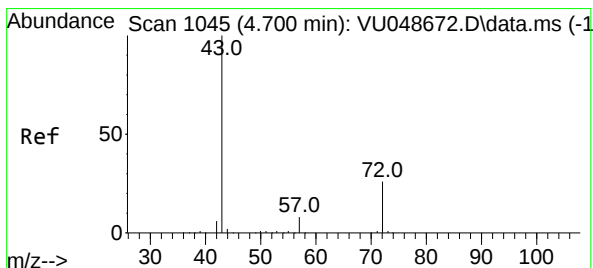
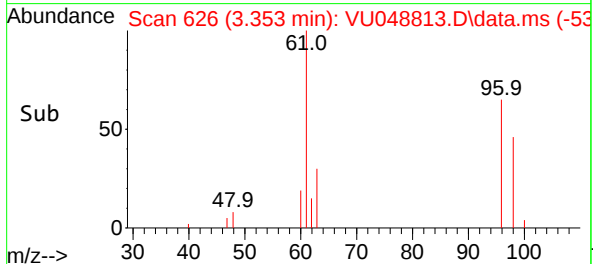
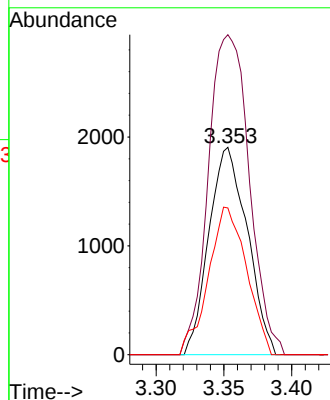
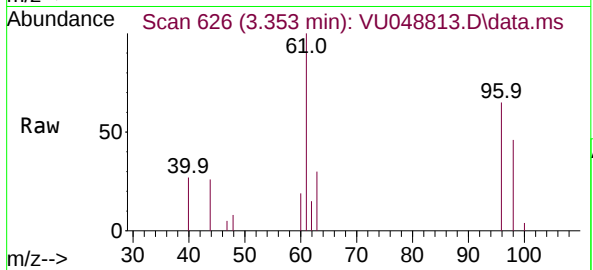




#21
trans-1,2-Dichloroethene
Concen: 0.931 ug/l
RT: 3.353 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

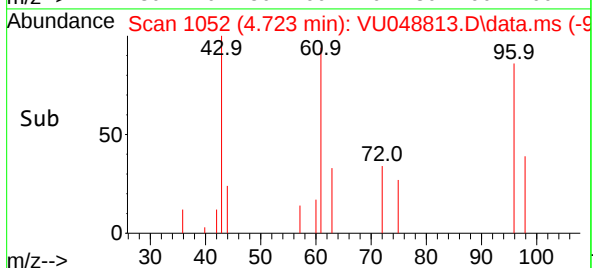
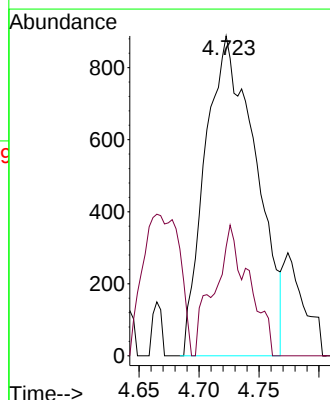
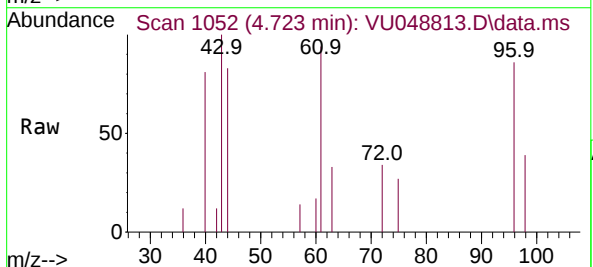
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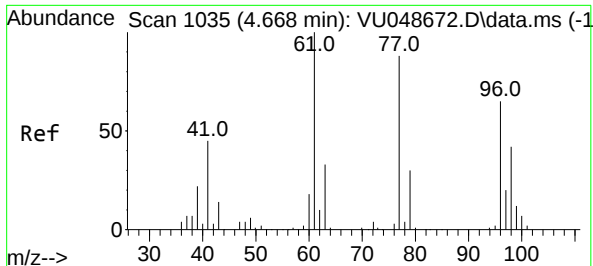
Tgt Ion: 96 Resp: 3755
Ion Ratio Lower Upper
96 100
61 154.3 109.4 164.2
98 70.8 48.9 73.3



#25
2-Butanone
Concen: 0.684 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.023 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

Tgt Ion: 43 Resp: 2605
Ion Ratio Lower Upper
43 100
72 34.0 21.1 31.7#

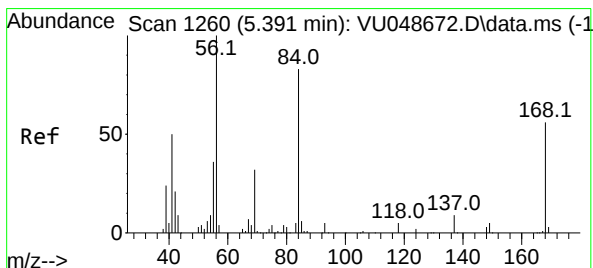
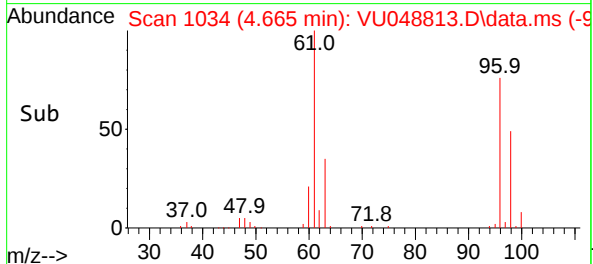
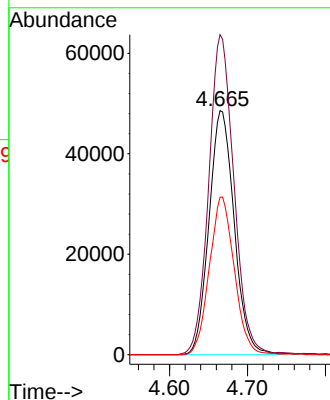
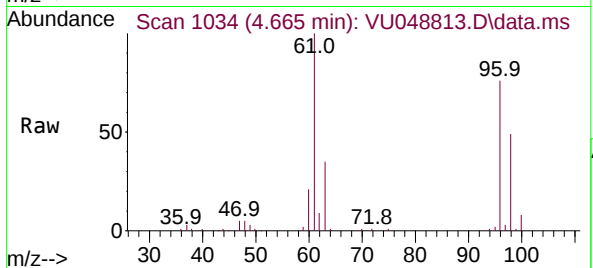




#27
 cis-1,2-Dichloroethene
 Concen: 23.409 ug/l
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.003 min
 Lab File: VU048813.D
 Acq: 02 Jun 2022 18:56

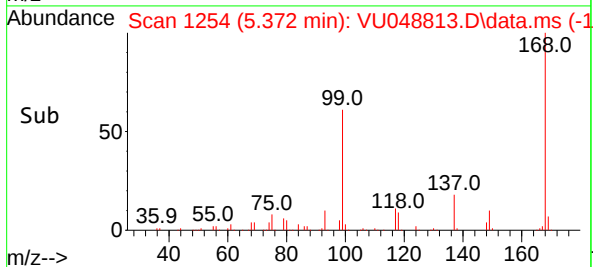
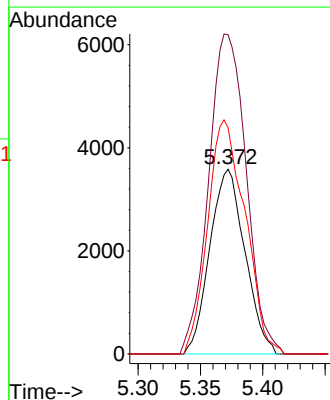
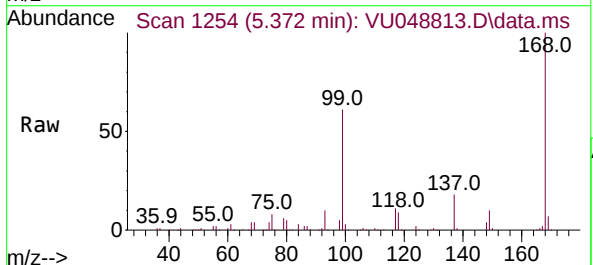
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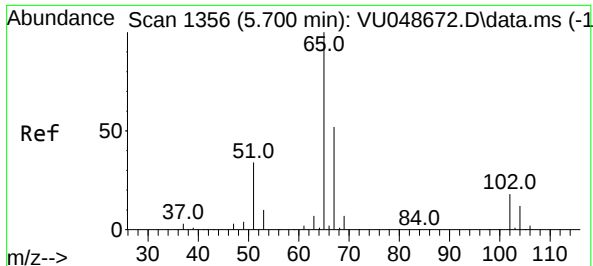
Tgt Ion: 96 Resp: 109325
 Ion Ratio Lower Upper
 96 100
 61 130.6 0.0 306.2
 98 63.9 0.0 130.4



#31
 Cyclohexane
 Concen: 1.073 ug/l
 RT: 5.372 min Scan# 1254
 Delta R.T. -0.019 min
 Lab File: VU048813.D
 Acq: 02 Jun 2022 18:56

Tgt Ion: 56 Resp: 7036
 Ion Ratio Lower Upper
 56 100
 69 173.0 25.6 38.4#
 84 122.6 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 45.047 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048813.D

Acq: 02 Jun 2022 18:56

Instrument :

MSVOA_U

ClientSampleId :

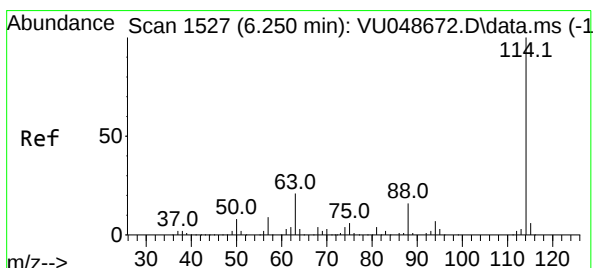
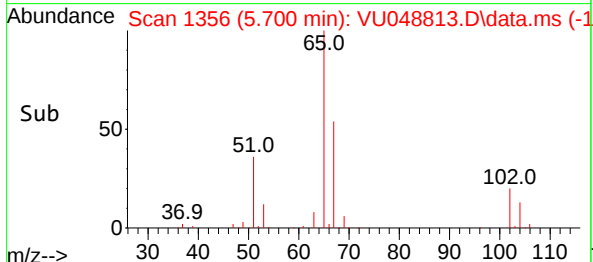
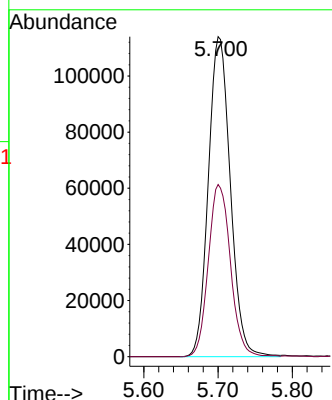
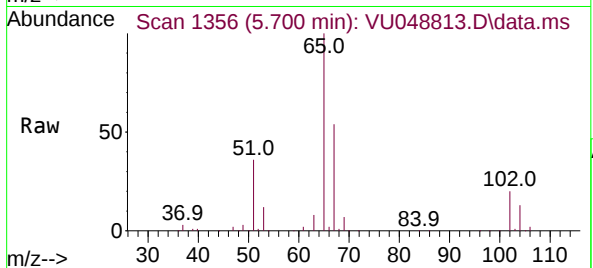
INTERCEPTOR-SUMP-20220527

Tgt Ion: 65 Resp: 234452

Ion Ratio Lower Upper

65 100

67 54.2 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: VU048813.D

Acq: 02 Jun 2022 18:56

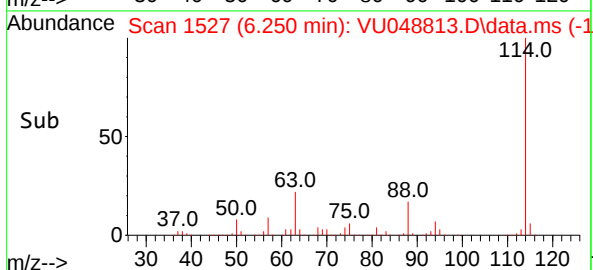
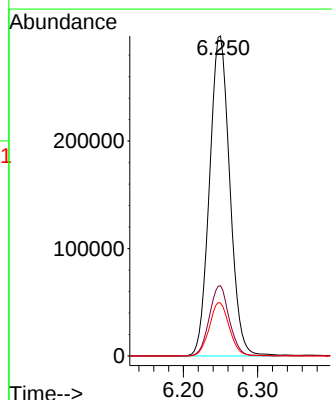
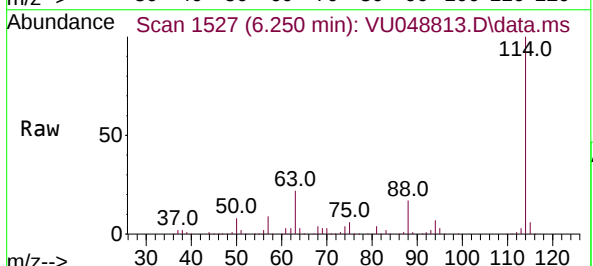
Tgt Ion: 114 Resp: 564392

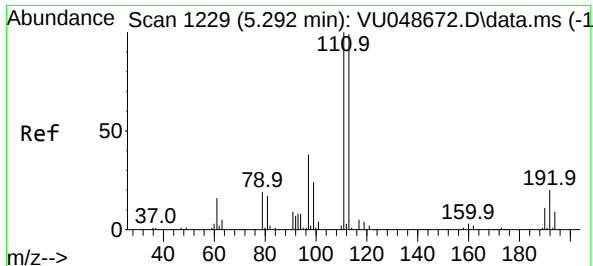
Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.6

88 16.6 0.0 32.2

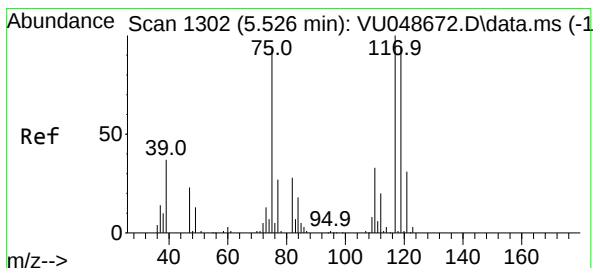
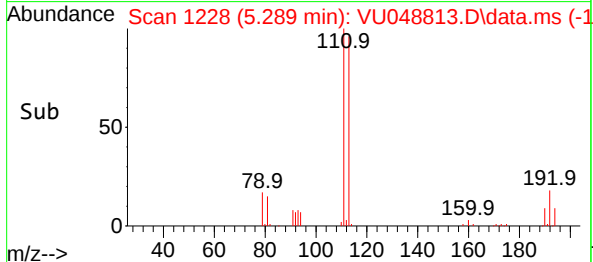
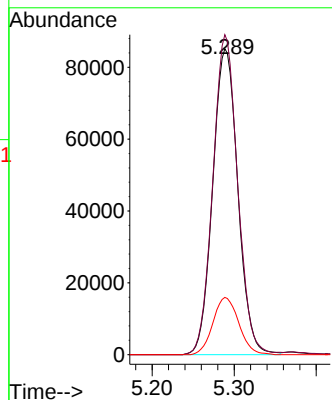
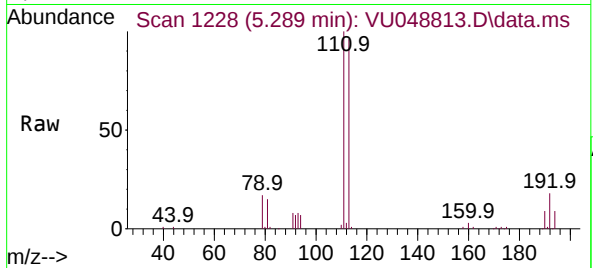




#35
Dibromofluoromethane
Concen: 45.066 ug/l
RT: 5.289 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

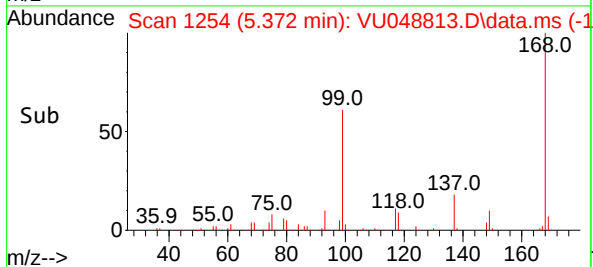
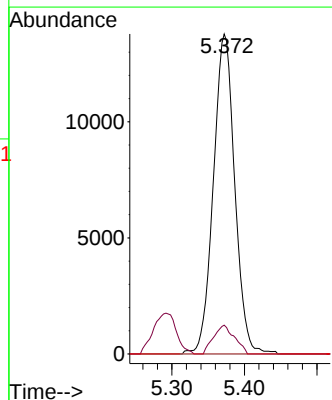
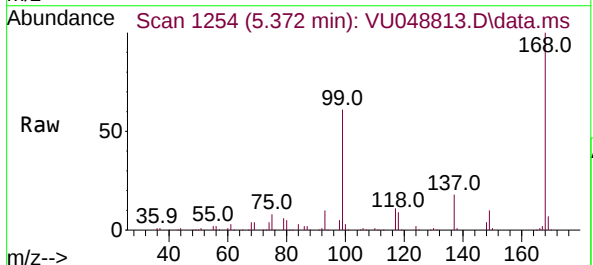
Instrument :
MSVOA_U
ClientSampleId :
INTERCEPTOR-SUMP-20220527

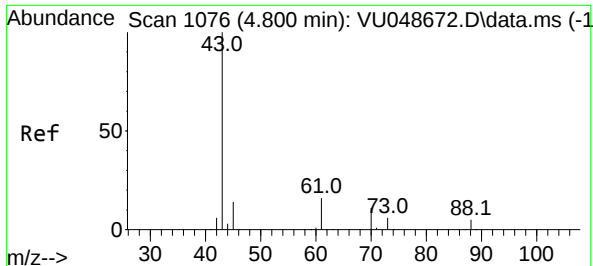
Tgt Ion:113 Resp: 181458
Ion Ratio Lower Upper
113 100
111 102.9 80.7 121.1
192 19.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.808 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

Tgt Ion: 75 Resp: 28255
Ion Ratio Lower Upper
75 100
110 8.8 17.4 52.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.351 ug/l

RT: 4.723 min Scan# 1

Delta R.T. -0.077 min

Lab File: VU048813.D

Acq: 02 Jun 2022 18:56

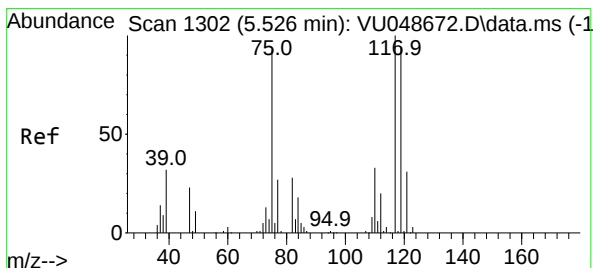
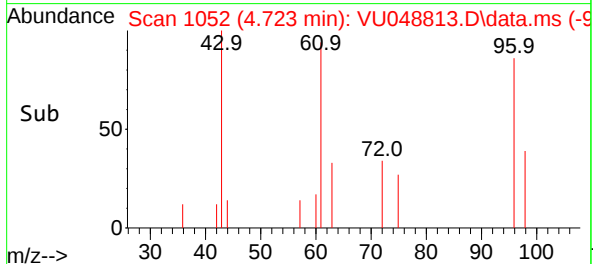
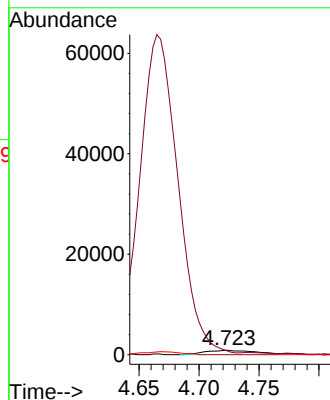
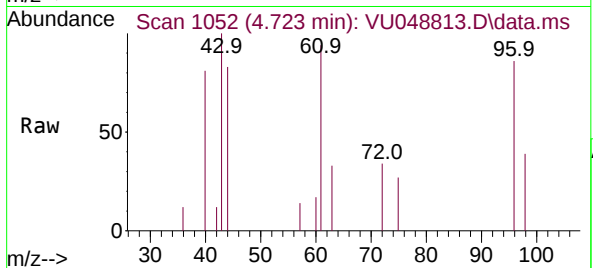
Instrument :

MSVOA_U

ClientSampleId :

INTERCEPTOR-SUMP-20220527

Tgt Ion: 43	Resp:	2605
Ion Ratio	Lower	Upper
43	100	
61	0.0	11.7
70	0.0	8.4



#38

Carbon Tetrachloride

Concen: 5.380 ug/l

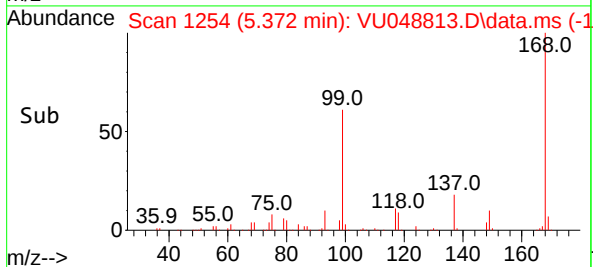
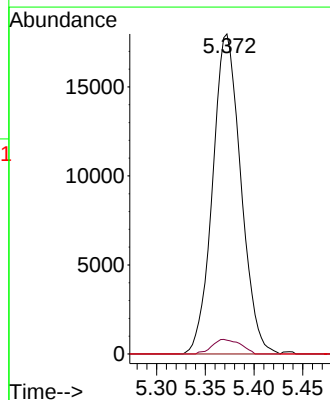
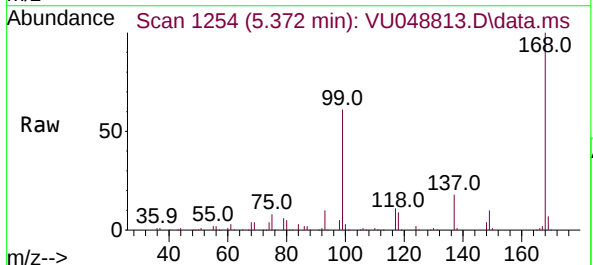
RT: 5.372 min Scan# 1254

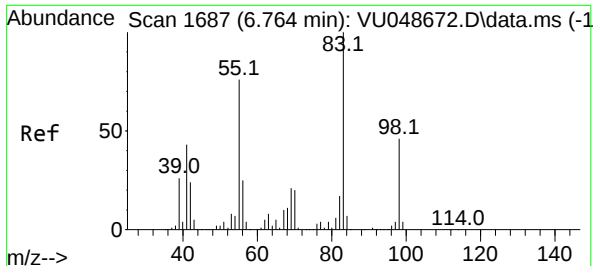
Delta R.T. -0.154 min

Lab File: VU048813.D

Acq: 02 Jun 2022 18:56

Tgt Ion: 117	Resp:	36275
Ion Ratio	Lower	Upper
117	100	
119	4.3	75.4
121	0.0	24.6





#39

Methylcyclohexane

Concen: 0.944 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. -0.222 min

Lab File: VU048813.D

Acq: 02 Jun 2022 18:56

Instrument :

MSVOA_U

ClientSampleId :

INTERCEPTOR-SUMP-20220527

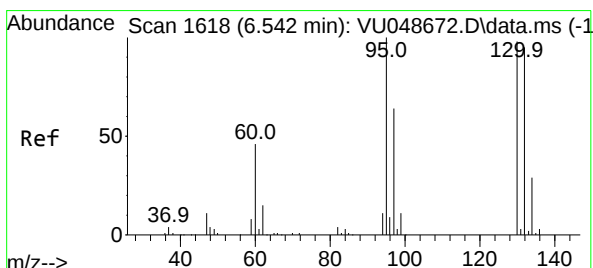
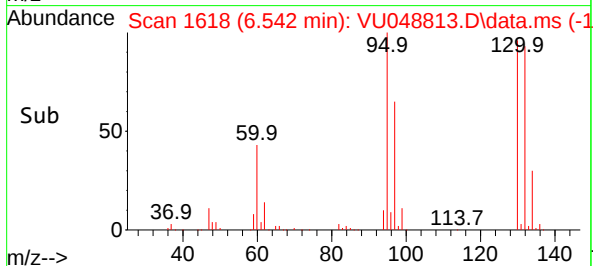
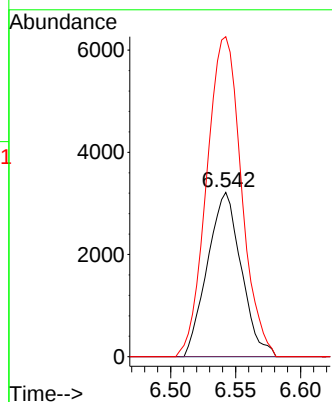
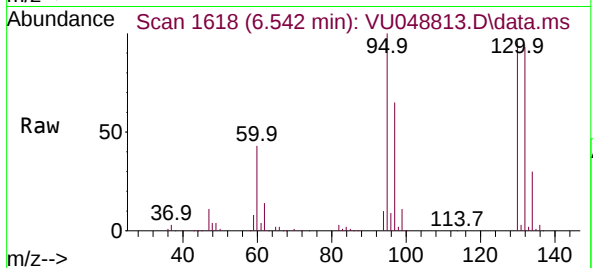
Tgt Ion: 83 Resp: 5816

Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.6#

98 194.7 36.8 55.2#



#44

Trichloroethene

Concen: 101.065 ug/l

RT: 6.542 min Scan# 1618

Delta R.T. 0.000 min

Lab File: VU048813.D

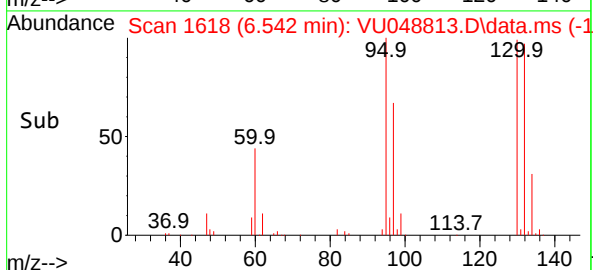
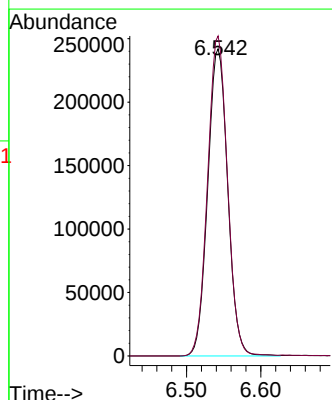
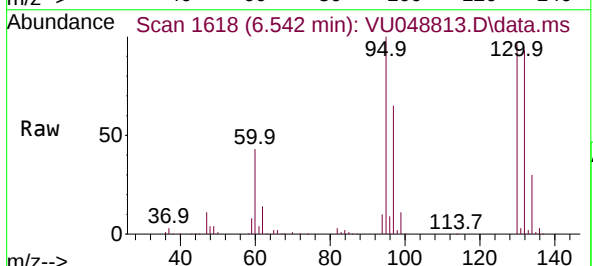
Acq: 02 Jun 2022 18:56

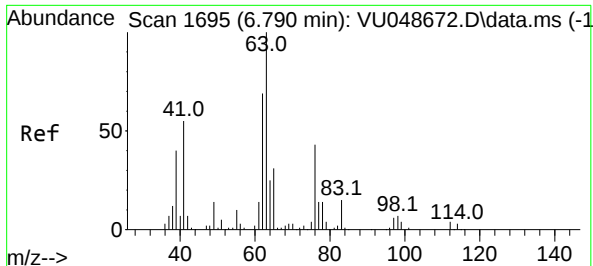
Tgt Ion:130 Resp: 451739

Ion Ratio Lower Upper

130 100

95 104.2 0.0 204.8





#45

1,2-Dichloropropane

Concen: 0.342 ug/l

RT: 6.542 min Scan# 1

Delta R.T. -0.248 min

Lab File: VU048813.D

Acq: 02 Jun 2022 18:56

Instrument :

MSVOA_U

ClientSampleId :

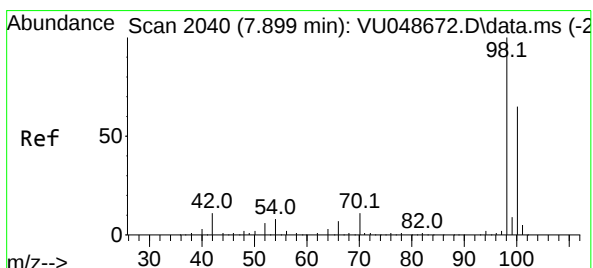
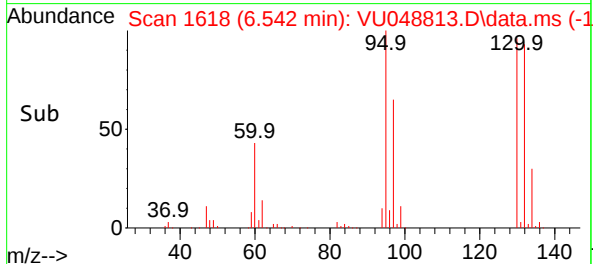
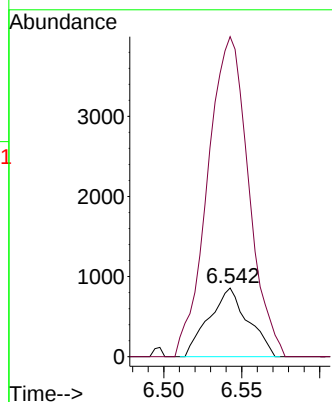
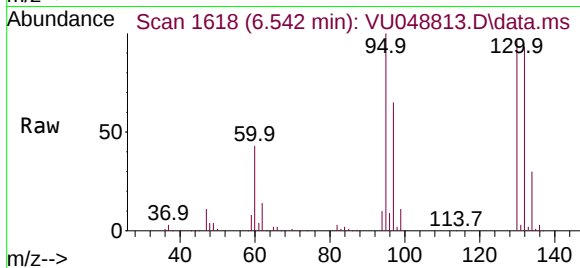
INTERCEPTOR-SUMP-20220527

Tgt Ion: 63 Resp: 1492

Ion Ratio Lower Upper

63 100

65 438.6 24.8 37.2#



#50

Toluene-d8

Concen: 47.953 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. -0.003 min

Lab File: VU048813.D

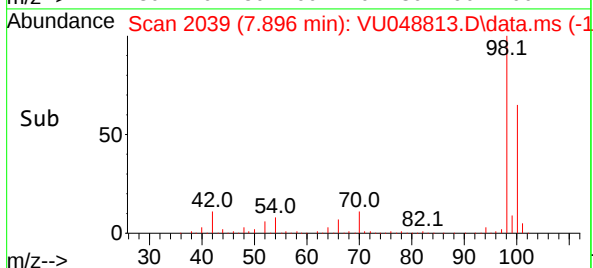
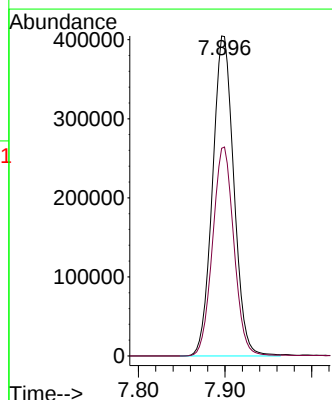
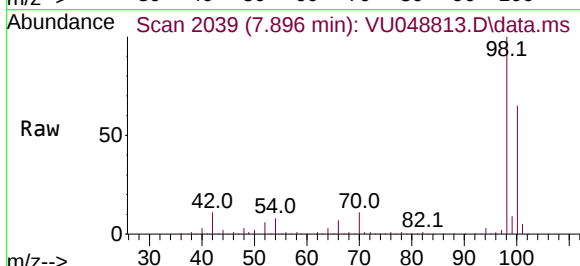
Acq: 02 Jun 2022 18:56

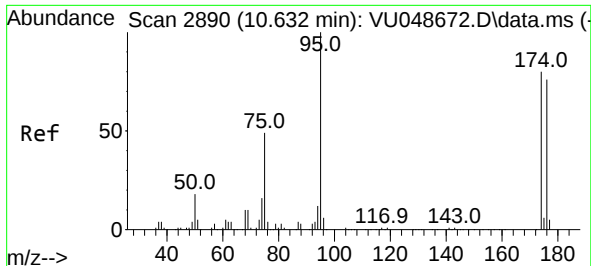
Tgt Ion: 98 Resp: 692132

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 42.925 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. 0.000 min

Lab File: VU048813.D

Acq: 02 Jun 2022 18:56

Instrument :

MSVOA_U

ClientSampleId :

INTERCEPTOR-SUMP-20220527

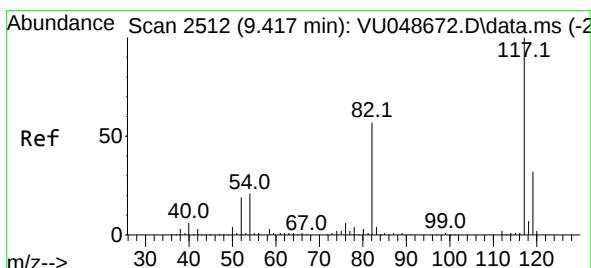
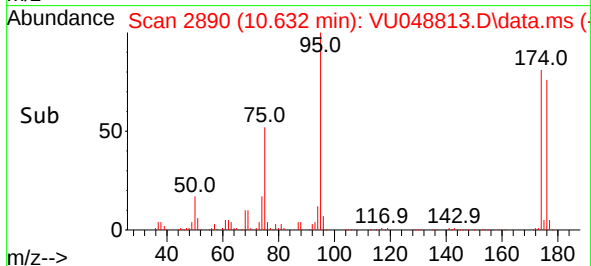
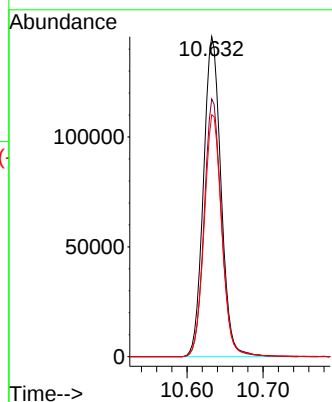
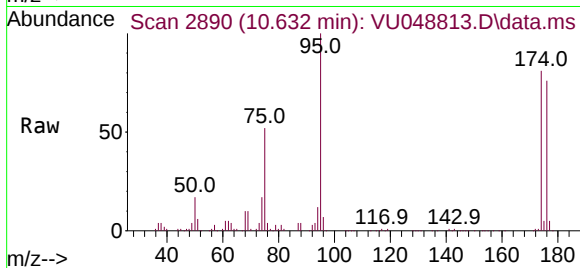
Tgt Ion: 95 Resp: 234313

Ion Ratio Lower Upper

95 100

174 79.1 0.0 159.4

176 76.1 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: VU048813.D

Acq: 02 Jun 2022 18:56

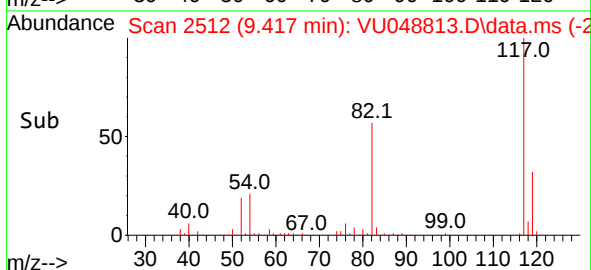
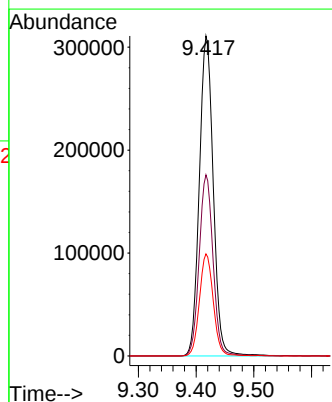
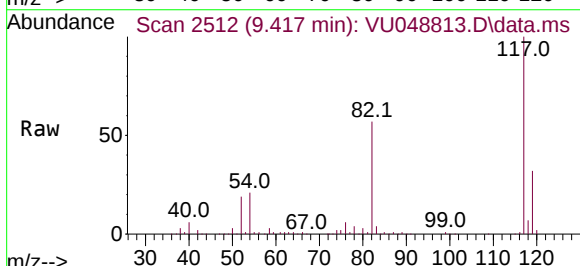
Tgt Ion: 117 Resp: 521037

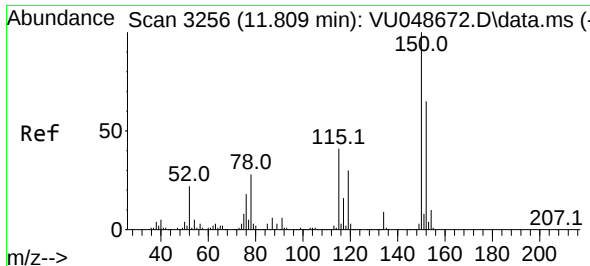
Ion Ratio Lower Upper

117 100

82 56.6 45.3 67.9

119 31.9 25.4 38.2

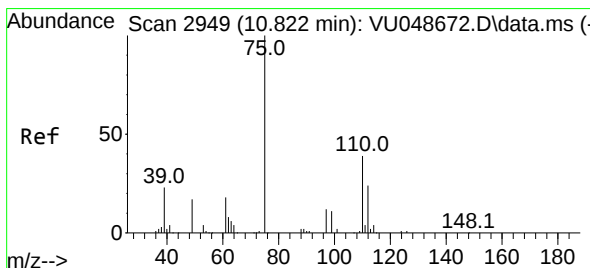
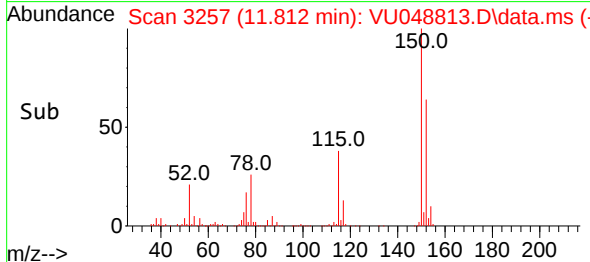
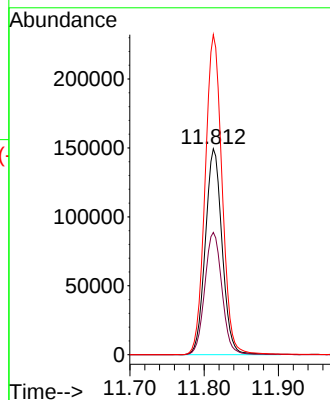
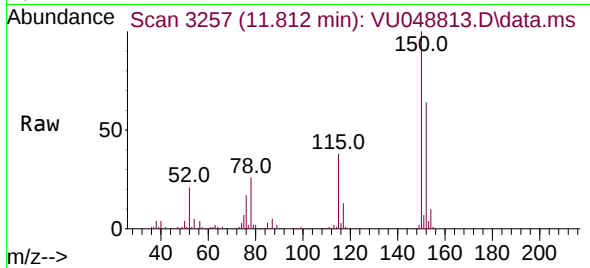




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

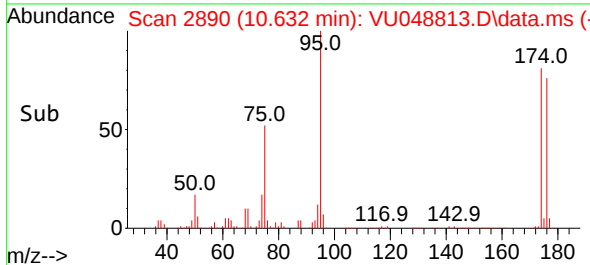
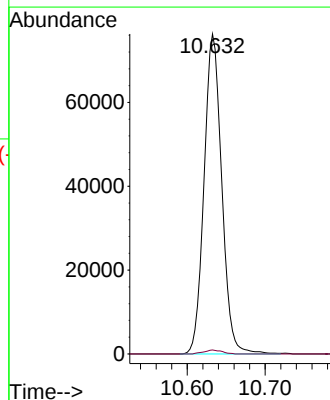
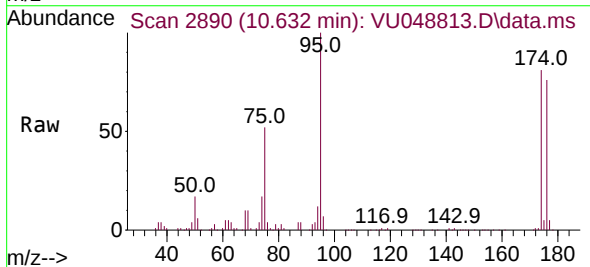
Instrument :
MSVOA_U
ClientSampleId :
INTERCEPTOR-SUMP-20220527

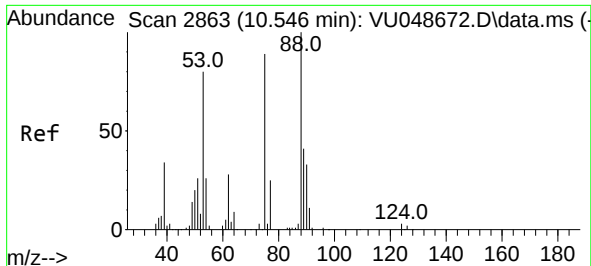
Tgt Ion:152 Resp: 234629
Ion Ratio Lower Upper
152 100
115 60.7 41.8 125.4
150 156.6 0.0 341.0



#76
1,2,3-Trichloropropane
Concen: 15.931 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

Tgt Ion: 75 Resp: 120518
Ion Ratio Lower Upper
75 100
77 1.3 14.8 44.3#

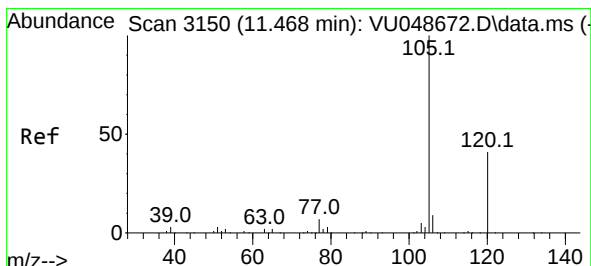
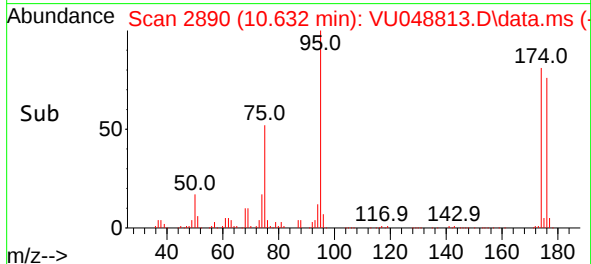
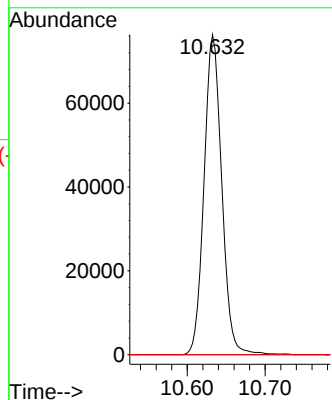
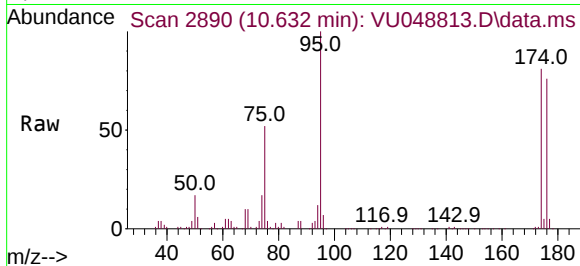




#81
trans-1,4-Dichloro-2-butene
Concen: 57.843 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

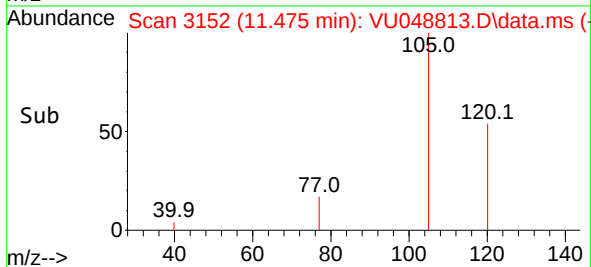
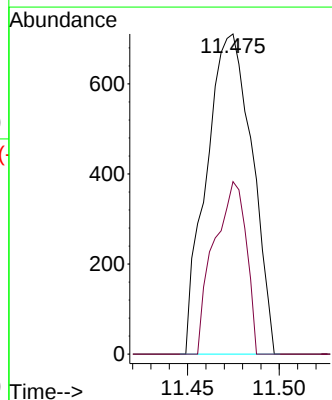
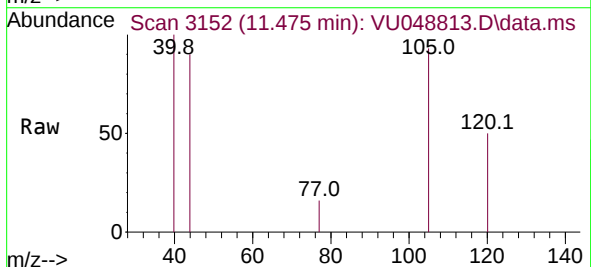
Instrument :
MSVOA_U
ClientSampleId :
INTERCEPTOR-SUMP-20220527

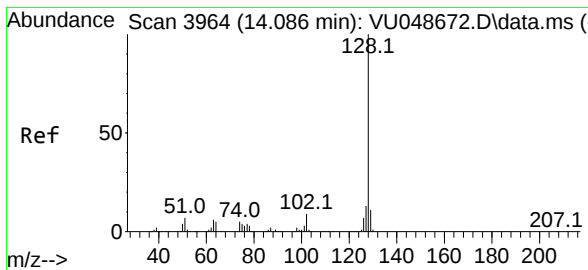
Tgt Ion: 75 Resp: 120518
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.271 ug/l
RT: 11.475 min Scan# 3152
Delta R.T. 0.007 min
Lab File: VU048813.D
Acq: 02 Jun 2022 18:56

Tgt Ion: 105 Resp: 1229
Ion Ratio Lower Upper
105 100
120 38.1 22.5 67.5





#95

Naphthalene

Concen: 3.332 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU048813.D

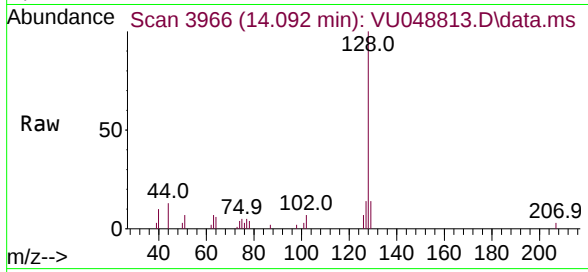
Acq: 02 Jun 2022 18:56

Instrument :

MSVOA_U

ClientSampleId :

INTERCEPTOR-SUMP-20220527



Tgt Ion:128 Resp: 15554

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.7 8.7 13.1

