

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053122\
 Data File : VU048757.D
 Acq On : 31 May 2022 23:03
 Operator : SY/MD
 Sample : VU0531WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0531WBL02

Quant Time: Jun 01 02:25:19 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)

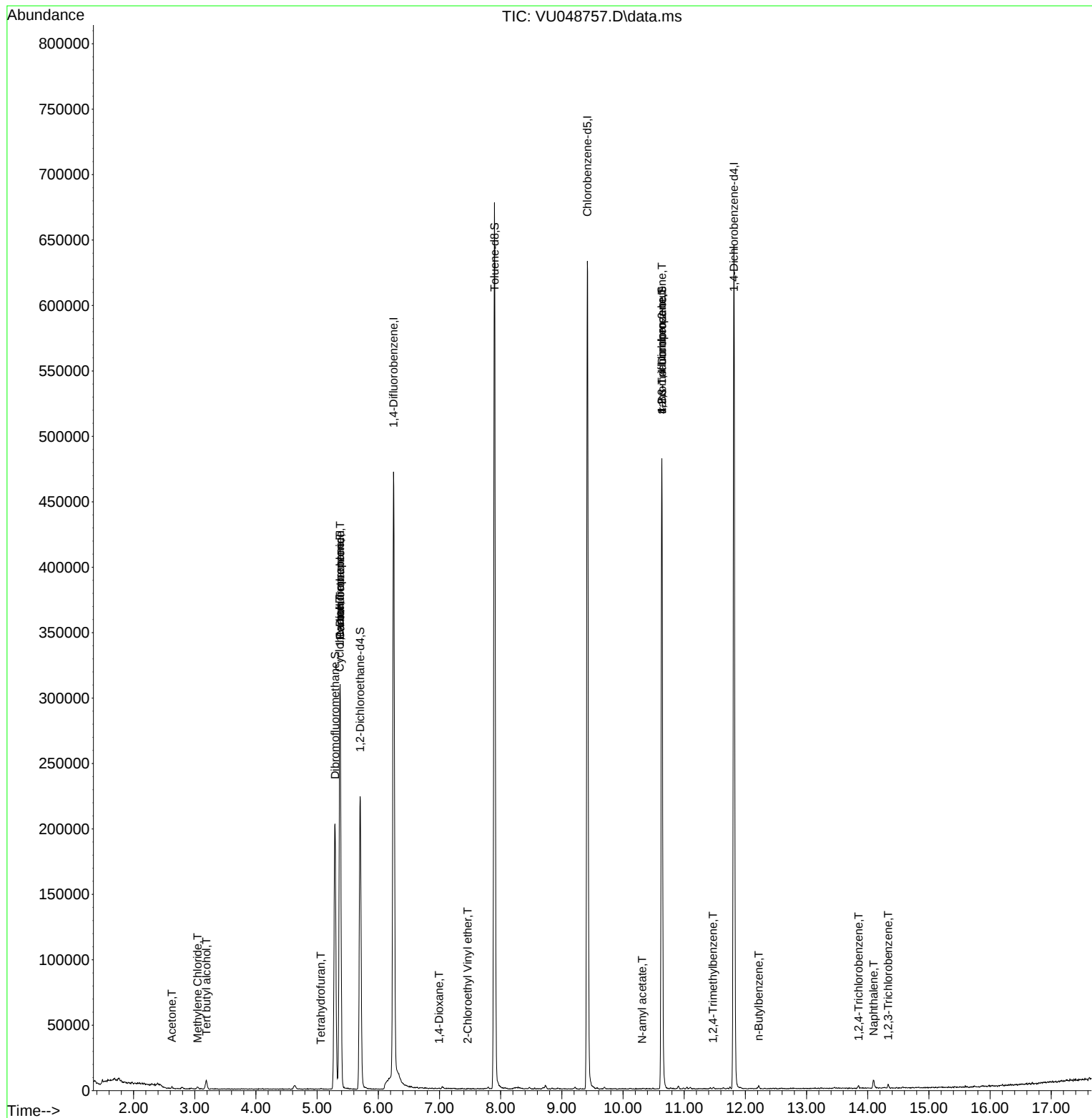
Internal Standards						
1) Pentafluorobenzene	5.375	168	211811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	372193	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	351960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	171015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	170284	53.532	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	107.060%
35) Dibromofluoromethane	5.292	113	134732	50.741	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.480%
50) Toluene-d8	7.899	98	443926	46.639	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.280%
62) 4-Bromofluorobenzene	10.635	95	162718	45.203	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.400%
Target Compounds						
					Qvalue	
5) Bromomethane	1.858	94	170	Below Cal	#	3
6) Chloroethane	1.922	64	518	Below Cal		91
11) Tert butyl alcohol	3.189	59	3640	4.513	ug/l #	28
16) Acetone	2.626	43	1390	0.857	ug/l #	63
20) Methylene Chloride	3.044	84	841	0.305	ug/l #	85
29) Tetrahydrofuran	5.060	42	350	0.239	ug/l #	42
31) Cyclohexane	5.369	56	4457	1.112	ug/l #	2
36) 1,1-Dichloropropene	5.372	75	17056	4.401	ug/l #	50
38) Carbon Tetrachloride	5.375	117	22386	5.035	ug/l #	17
49) 1,4-Dioxane	6.992	88	21	0.294	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.462	63	49	29.798	ug/l #	47
64) Tetrachloroethene	8.552	164	19	Below Cal	#	57
74) N-amyl acetate	10.314	43	308	2.519	ug/l #	41
76) 1,2,3-Trichloropropane	10.635	75	84360	15.299	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.635	75	84360	55.550	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	835	1.266	ug/l	90
89) n-Butylbenzene	12.217	91	932	2.275	ug/l #	85
93) 1,2,4-Trichlorobenzene	13.851	180	860	0.223	ug/l	92
95) Naphthalene	14.098	128	6786	3.011	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.336	180	966	0.253	ug/l	92

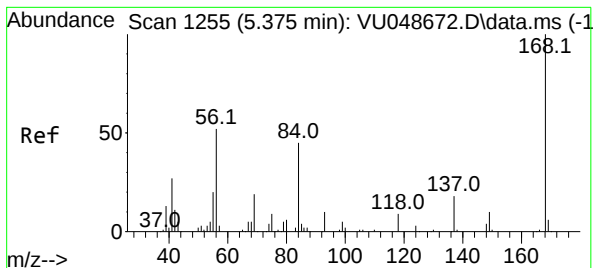
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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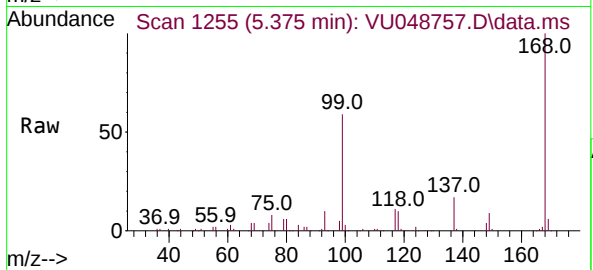
Quant Time: Jun 01 02:25:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
Quant Title : SW846 8260
QLast Update : Fri May 27 06:42:31 2022
Response via : Initial Calibration



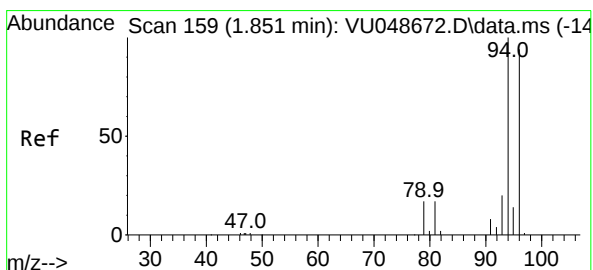
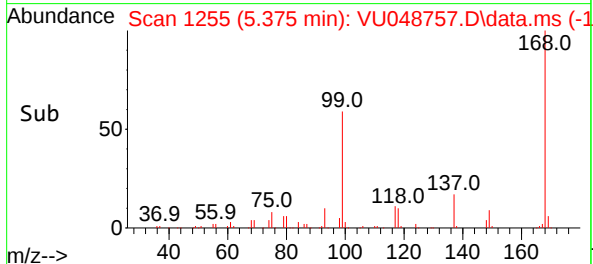
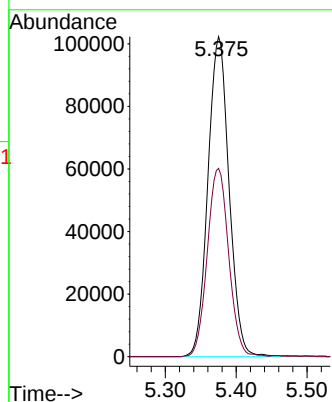


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL02

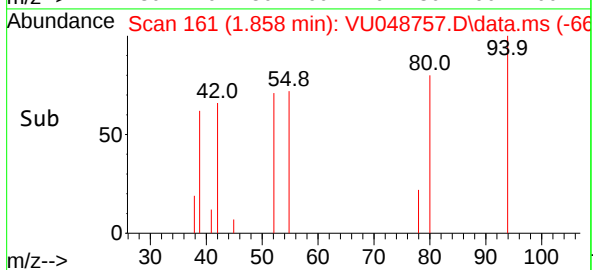
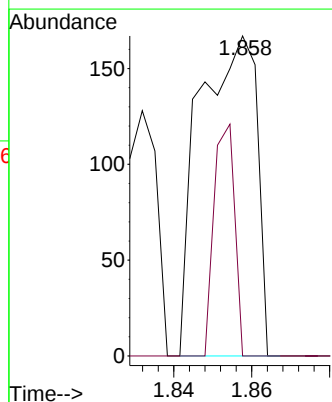
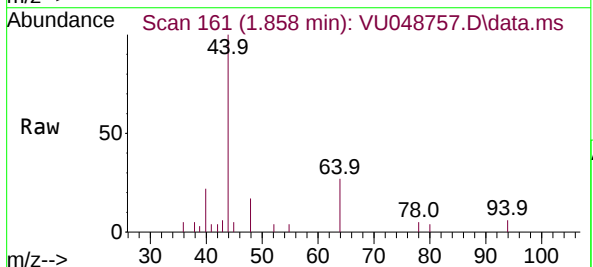


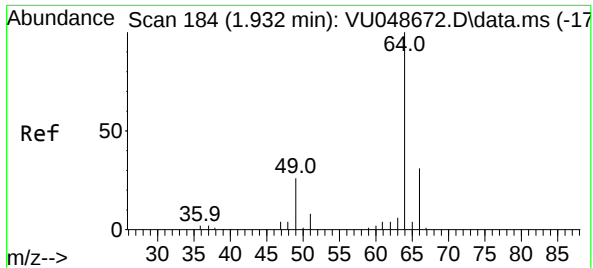
Tgt Ion:168 Resp: 211811
Ion Ratio Lower Upper
168 100
99 58.8 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. 0.007 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

Tgt Ion: 94 Resp: 170
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

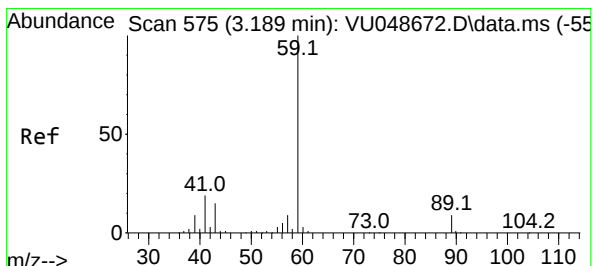
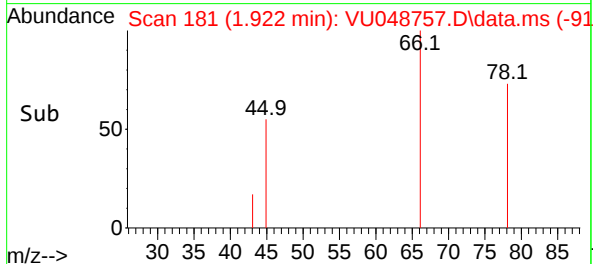
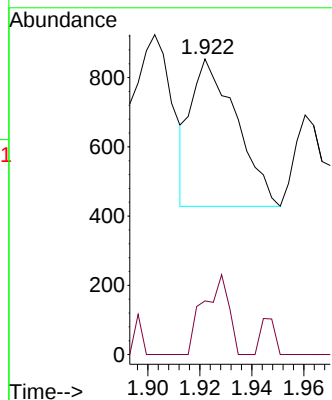
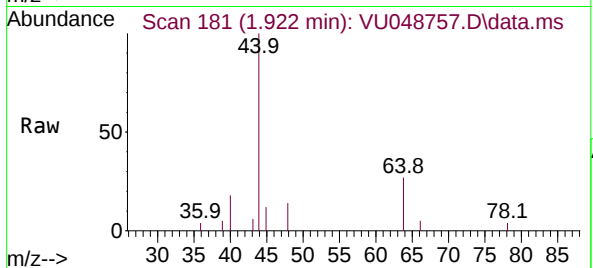




#6
Chloroethane
Concen: Below Cal
RT: 1.922 min Scan# 11
Delta R.T. -0.010 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

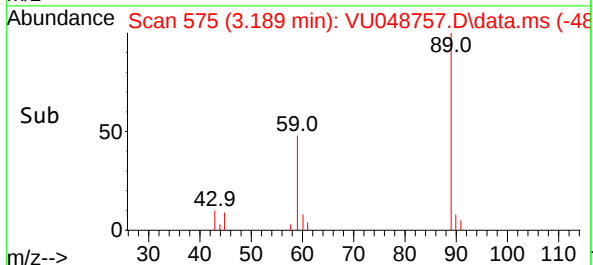
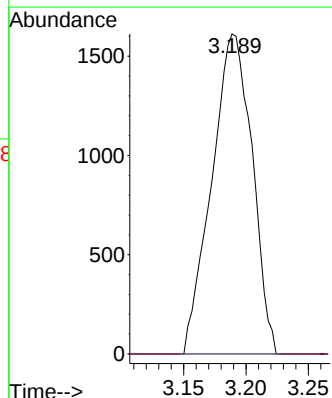
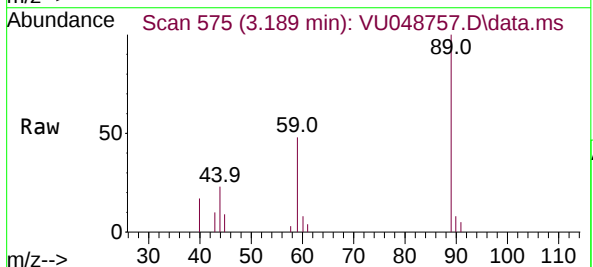
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL02

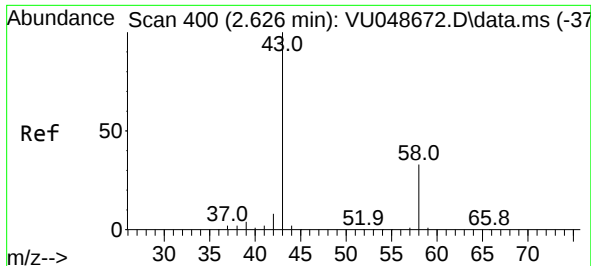
Tgt Ion: 64 Resp: 518
Ion Ratio Lower Upper
64 100
66 36.4 25.2 37.8



#11
Tert butyl alcohol
Concen: 4.513 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.000 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

Tgt Ion: 59 Resp: 3640
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#





#16

Acetone

Concen: 0.857 ug/l

RT: 2.626 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU048757.D

Acq: 31 May 2022 23:03

Instrument :

MSVOA_U

ClientSampleId :

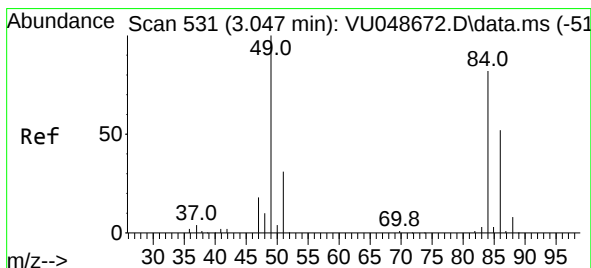
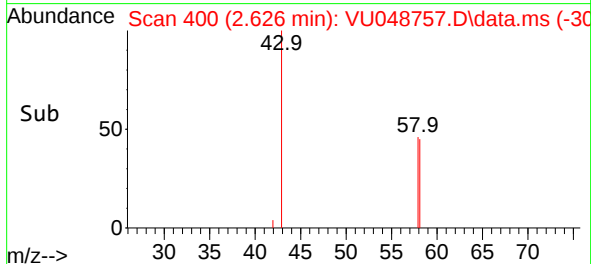
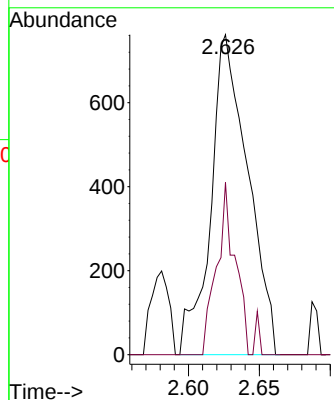
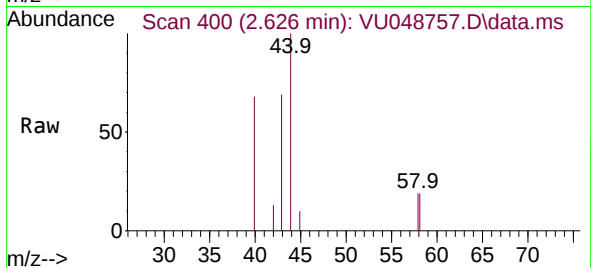
VU0531WBL02

Tgt Ion: 43 Resp: 1390

Ion Ratio Lower Upper

43 100

58 53.8 26.3 39.5#



#20

Methylene Chloride

Concen: 0.305 ug/l

RT: 3.044 min Scan# 530

Delta R.T. -0.003 min

Lab File: VU048757.D

Acq: 31 May 2022 23:03

Tgt Ion: 84 Resp: 841

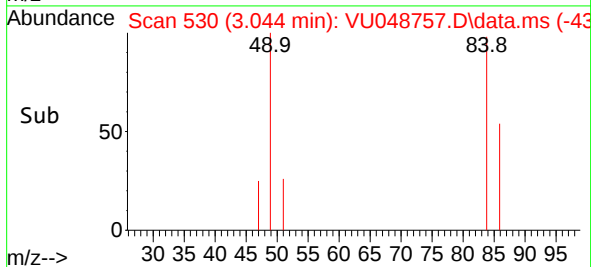
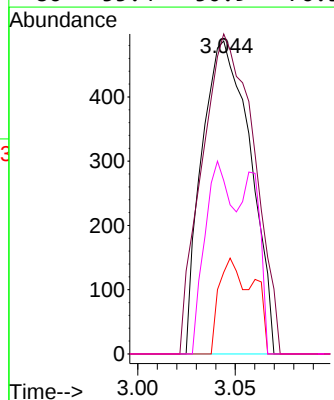
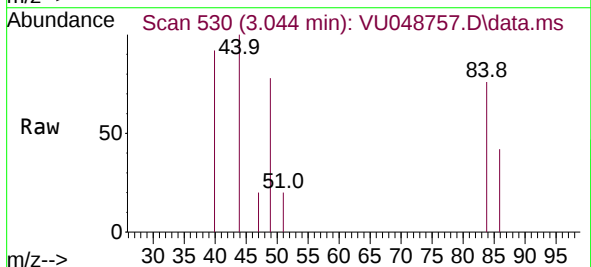
Ion Ratio Lower Upper

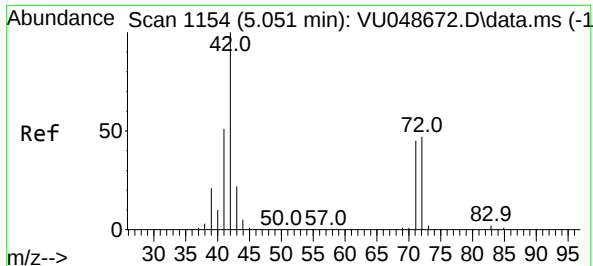
84 100

49 102.3 97.0 145.4

51 26.1 29.8 44.8#

86 55.4 50.9 76.3





#29

Tetrahydrofuran

Concen: 0.239 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048757.D

Acq: 31 May 2022 23:03

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBL02

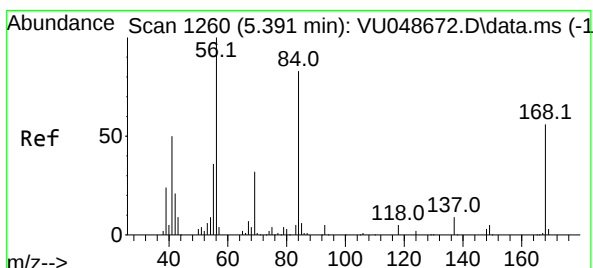
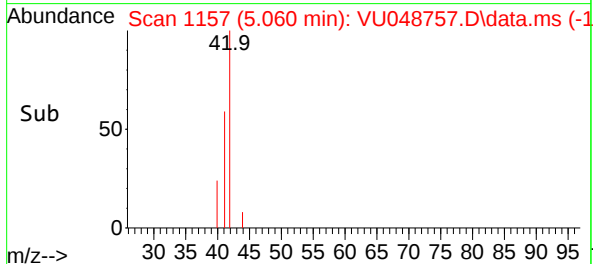
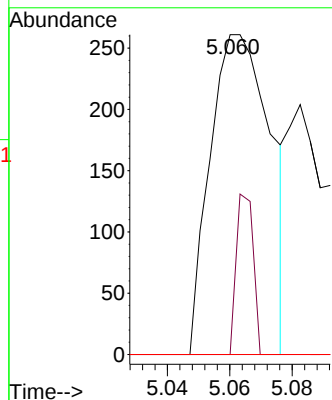
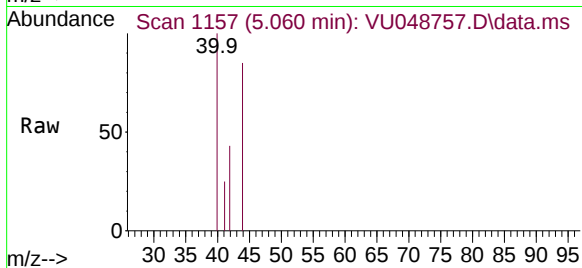
Tgt Ion: 42 Resp: 350

Ion Ratio Lower Upper

42 100

72 14.0 37.6 56.4#

71 0.0 35.0 52.4#



#31

Cyclohexane

Concen: 1.112 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.023 min

Lab File: VU048757.D

Acq: 31 May 2022 23:03

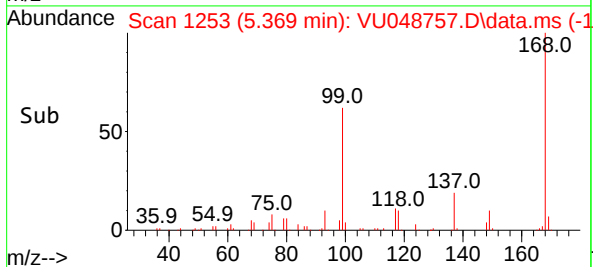
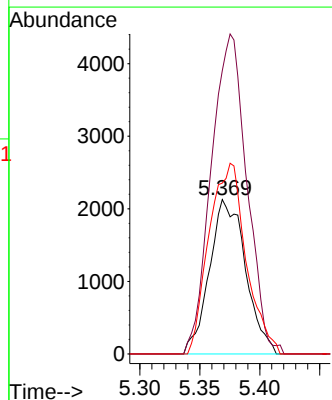
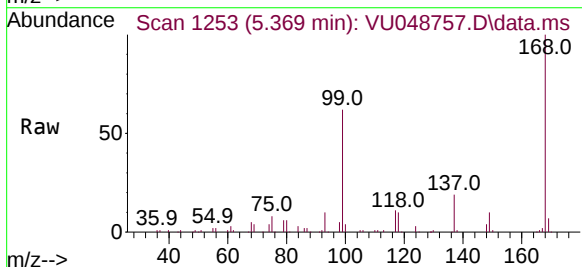
Tgt Ion: 56 Resp: 4457

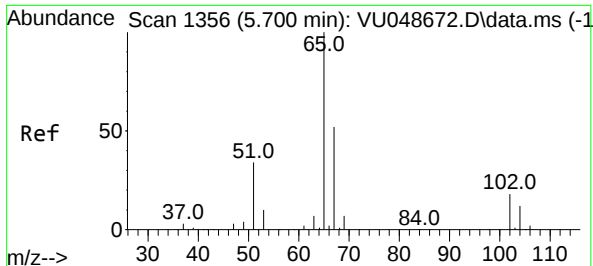
Ion Ratio Lower Upper

56 100

69 183.4 25.6 38.4#

84 110.7 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 53.532 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048757.D

Acq: 31 May 2022 23:03

Instrument :

MSVOA_U

ClientSampleId :

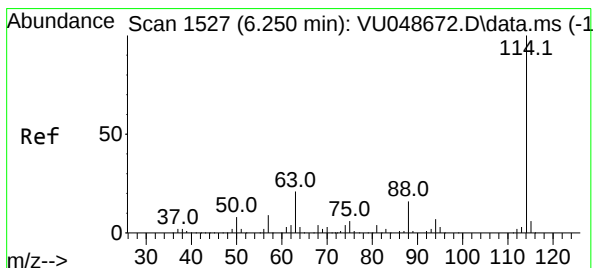
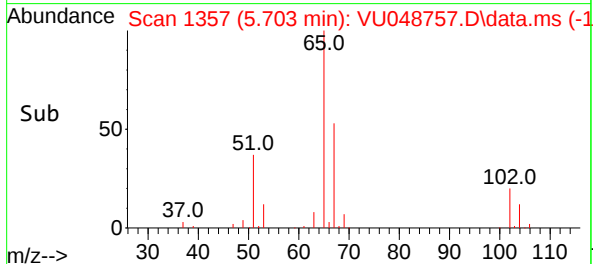
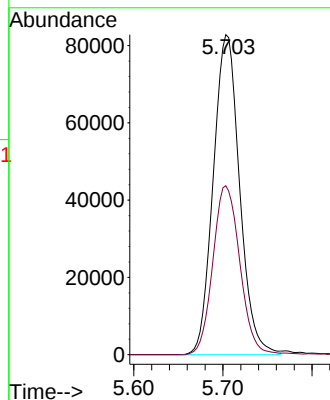
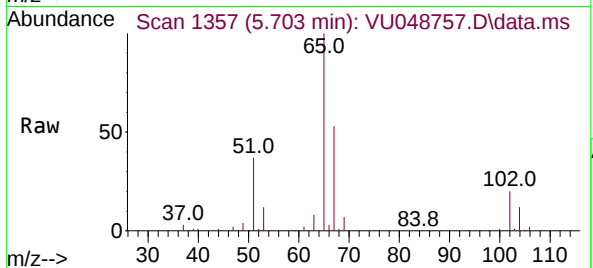
VU0531WBL02

Tgt Ion: 65 Resp: 170284

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: VU048757.D

Acq: 31 May 2022 23:03

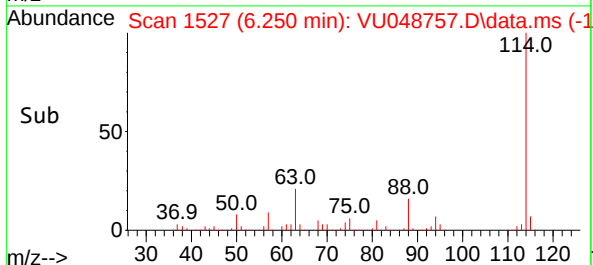
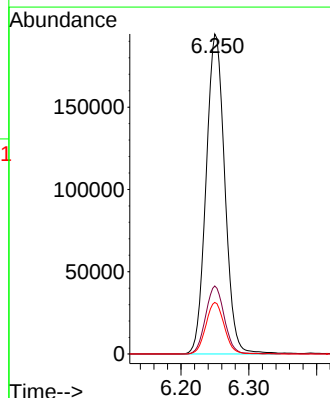
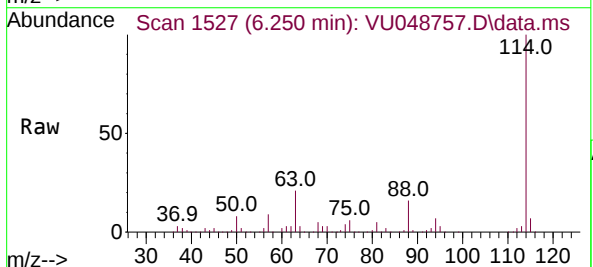
Tgt Ion: 114 Resp: 372193

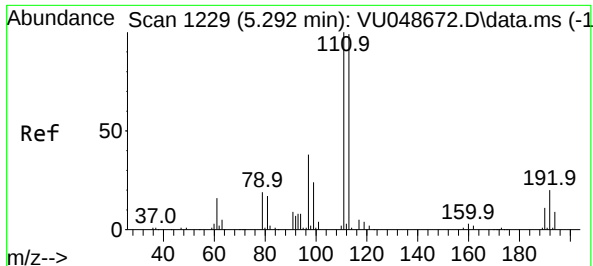
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 16.1 0.0 32.2

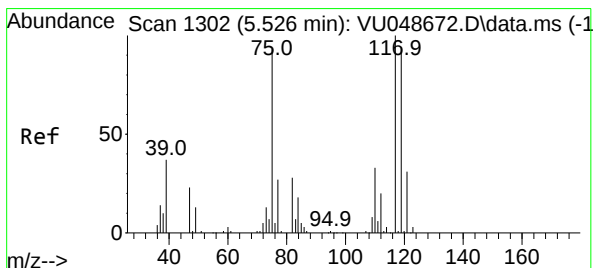
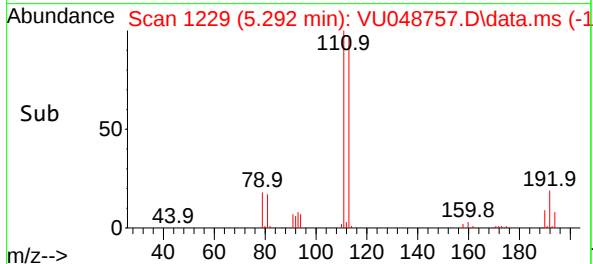
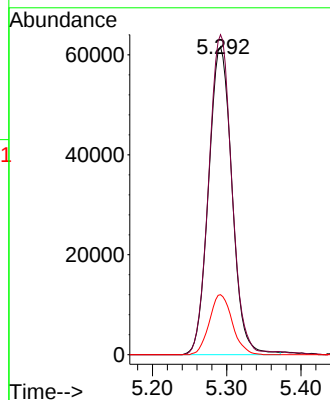
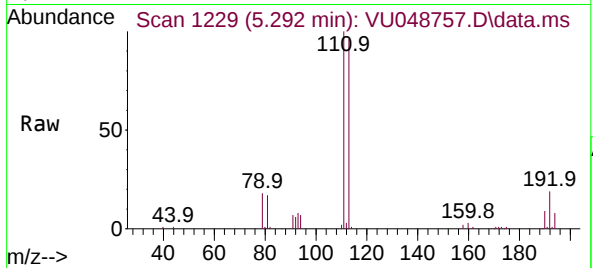




#35
Dibromofluoromethane
Concen: 50.741 ug/l
RT: 5.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

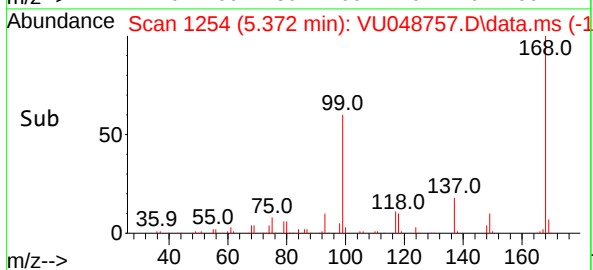
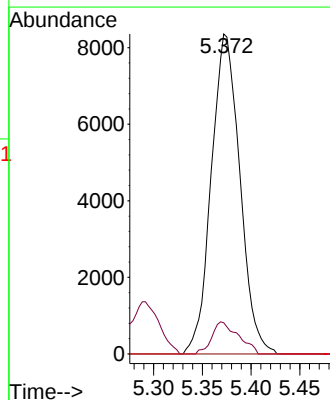
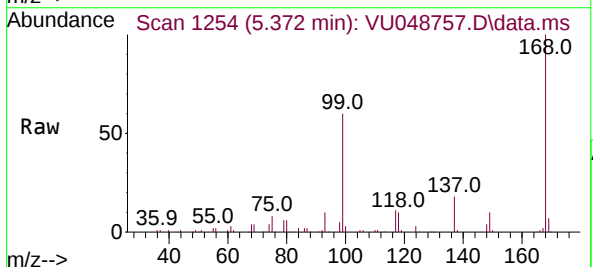
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VU0531WBL02

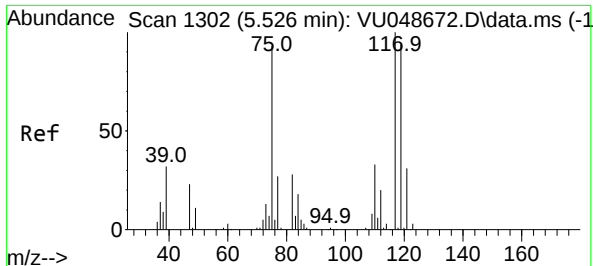
Tgt Ion:113 Resp: 134732
Ion Ratio Lower Upper
113 100
111 102.6 80.7 121.1
192 19.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.401 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

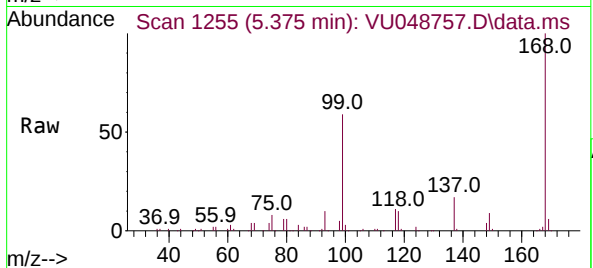
Tgt Ion: 75 Resp: 17056
Ion Ratio Lower Upper
75 100
110 9.3 17.4 52.3#
77 0.0 24.8 37.2#



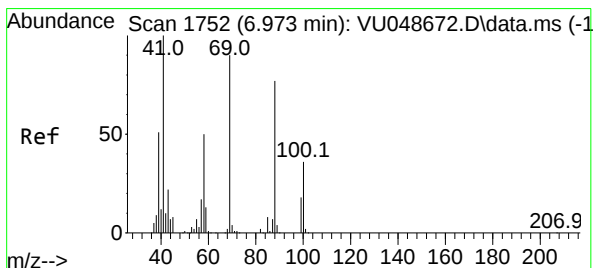
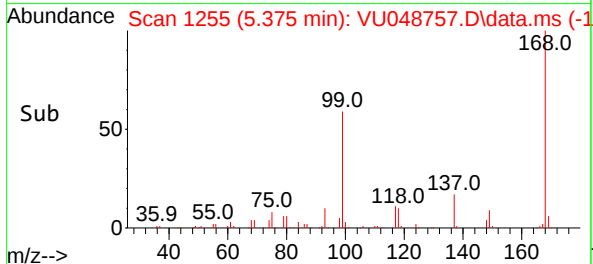
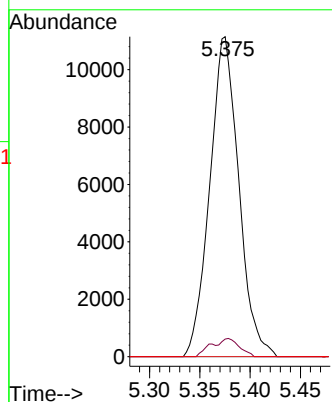


#38
Carbon Tetrachloride
Concen: 5.035 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL02

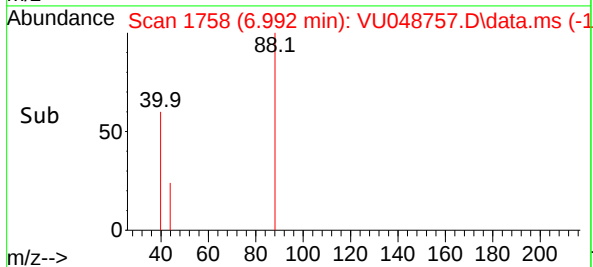
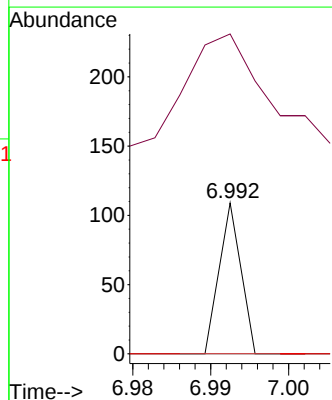
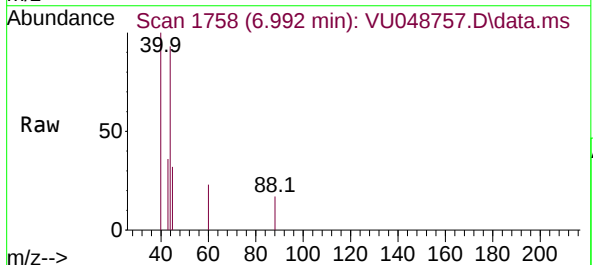


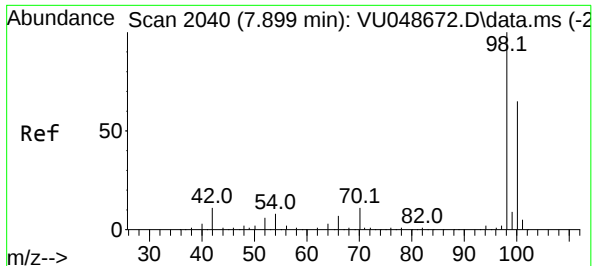
Tgt Ion:117 Resp: 22386
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 24.6 36.8#



#49
1,4-Dioxane
Concen: 0.294 ug/l
RT: 6.992 min Scan# 1758
Delta R.T. 0.019 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 452.4 24.6 36.8#
58 0.0 54.7 82.1#

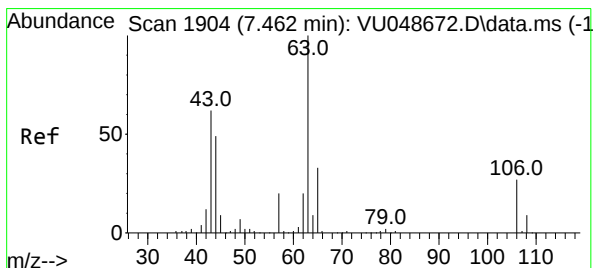
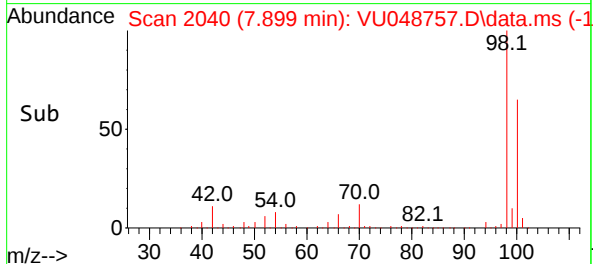
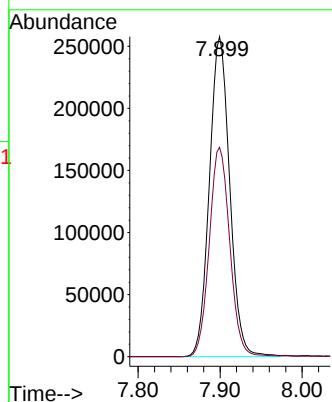
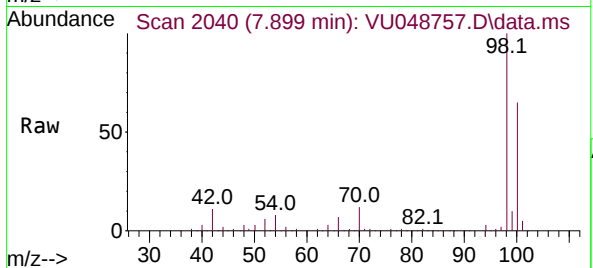




#50
Toluene-d8
Concen: 46.639 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

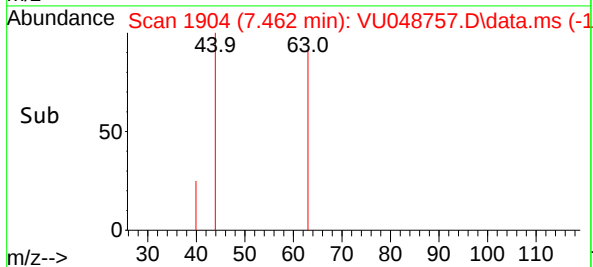
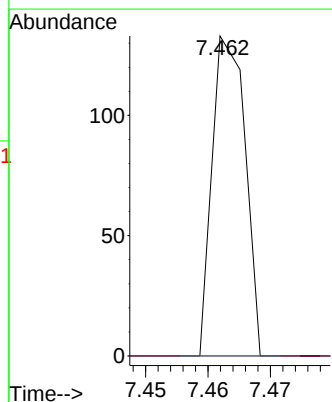
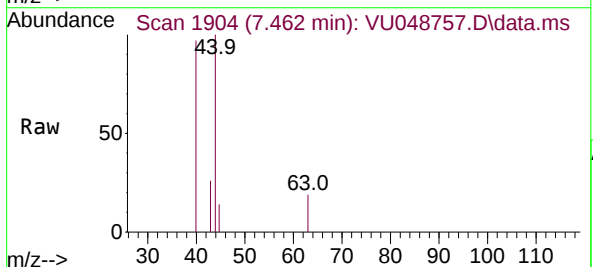
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL02

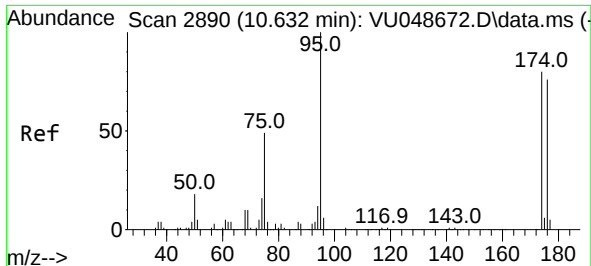
Tgt Ion: 98 Resp: 443926
Ion Ratio Lower Upper
98 100
100 66.2 52.2 78.4



#58
2-Chloroethyl Vinyl ether
Concen: 29.798 ug/l
RT: 7.462 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

Tgt Ion: 63 Resp: 49
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

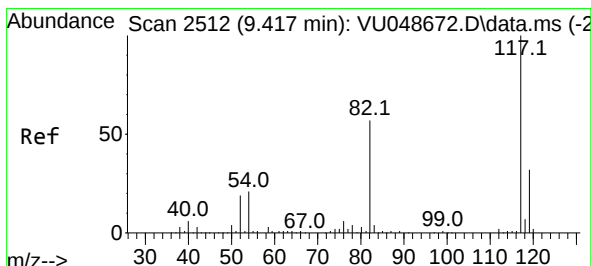
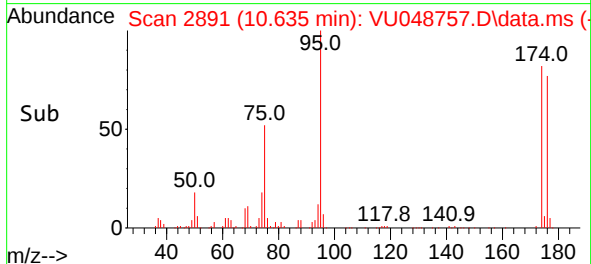
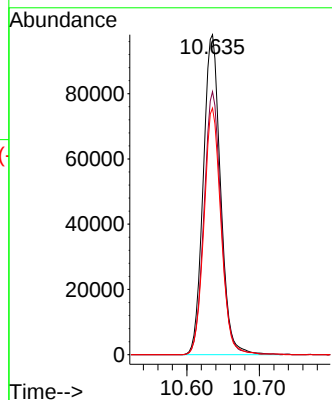
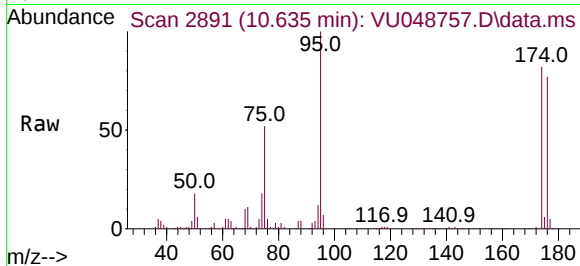




#62
4-Bromofluorobenzene
Concen: 45.203 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

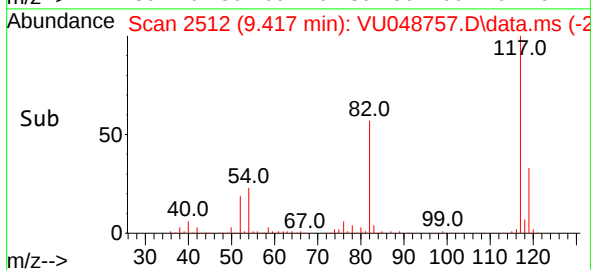
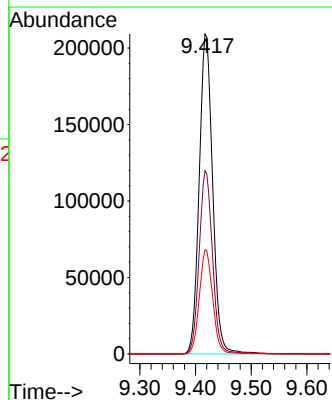
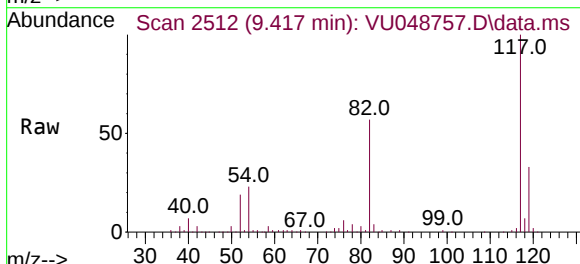
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL02

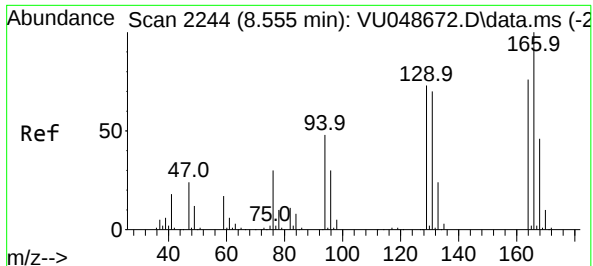
Tgt Ion: 95 Resp: 162718
Ion Ratio Lower Upper
95 100
174 81.2 0.0 159.4
176 76.0 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

Tgt Ion: 117 Resp: 351960
Ion Ratio Lower Upper
117 100
82 57.3 45.3 67.9
119 32.5 25.4 38.2

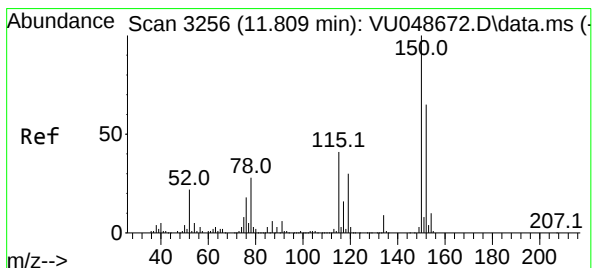
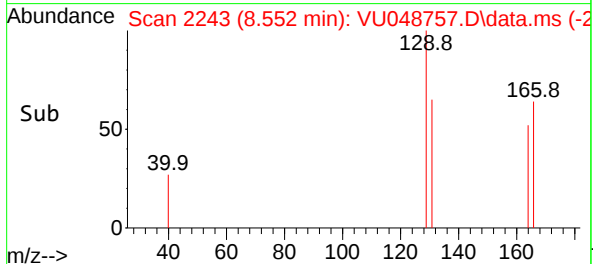
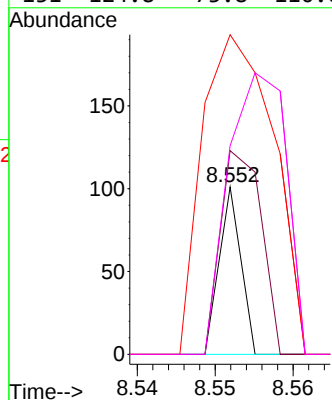
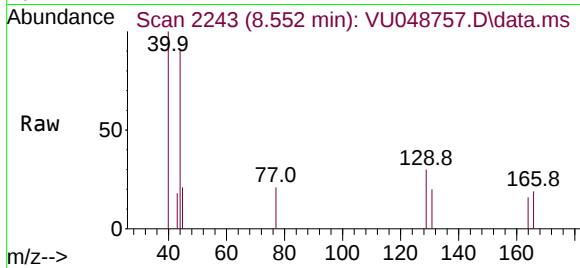




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.552 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

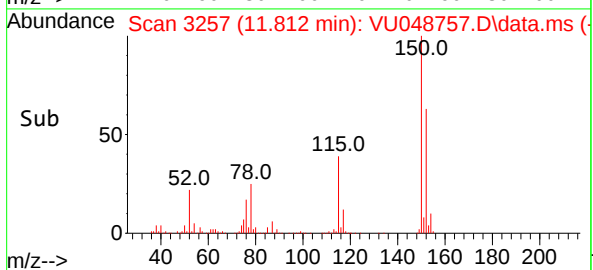
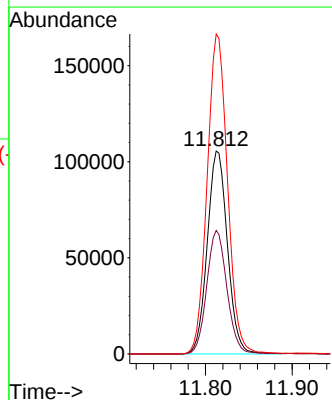
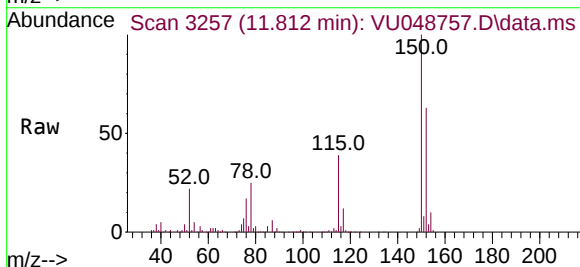
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL02

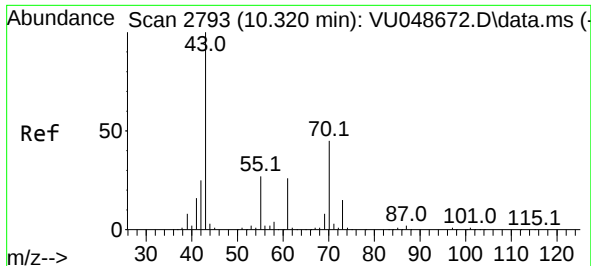
Tgt Ion:164	Resp:	19
Ion	Ratio	Lower Upper
164	100	
166	121.8	105.0 157.4
129	191.1	76.5 114.7#
131	124.8	73.8 110.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

Tgt Ion:152	Resp:	171015
Ion	Ratio	Lower Upper
152	100	
115	60.8	41.8 125.4
150	158.9	0.0 341.0

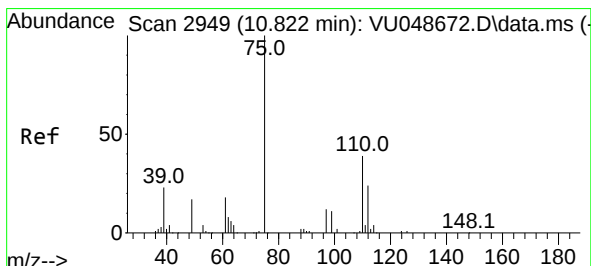
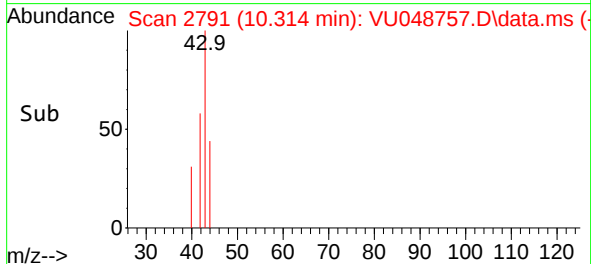
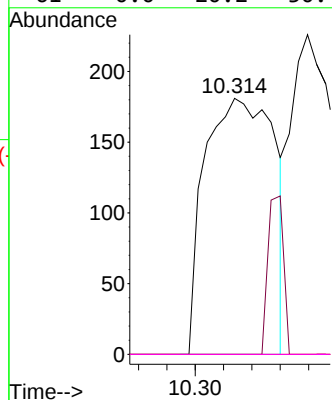
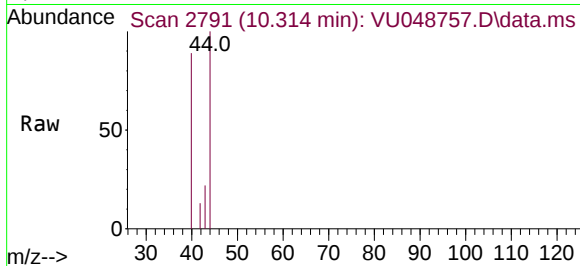




#74
N-amy1 acetate
Concen: 2.519 ug/l
RT: 10.314 min Scan# 2791
Delta R.T. -0.006 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

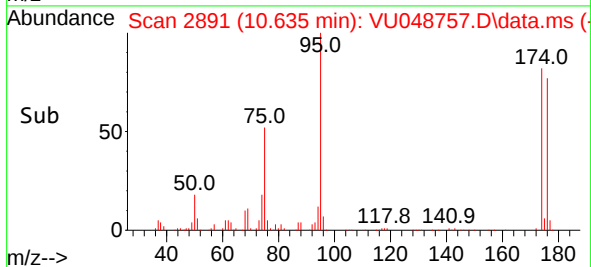
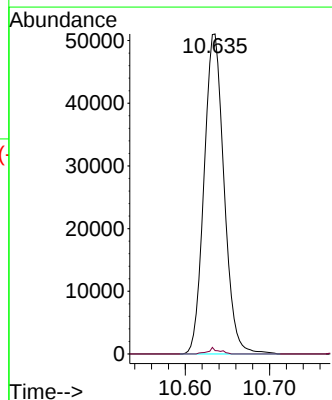
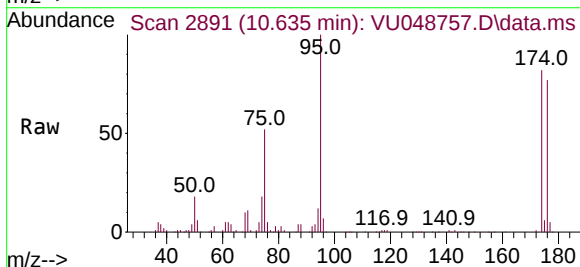
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL02

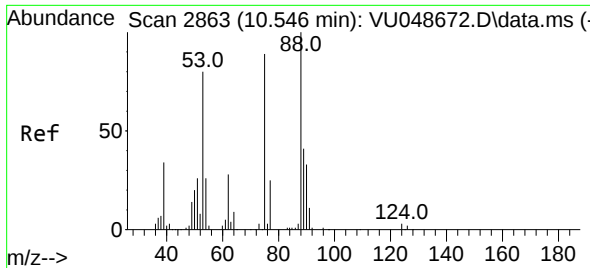
Tgt Ion: 43	Resp: 308
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 15.299 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.187 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

Tgt Ion: 75	Resp:	84360	
Ion Ratio	Lower	Upper	
75 100			
77 1.1	14.8	44.3#	

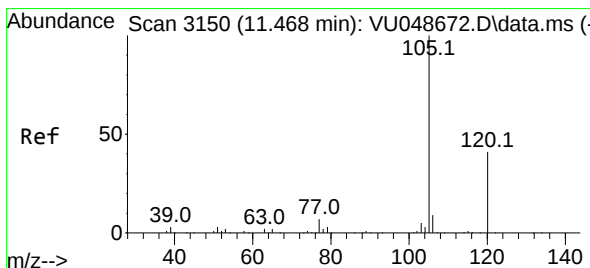
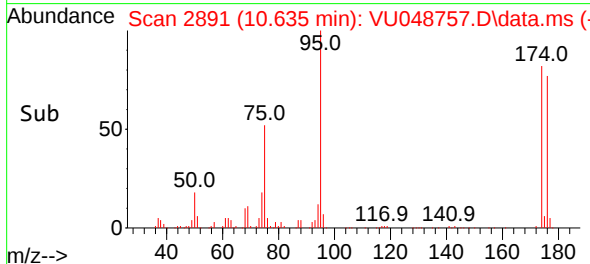
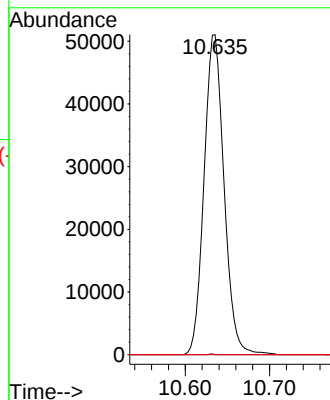
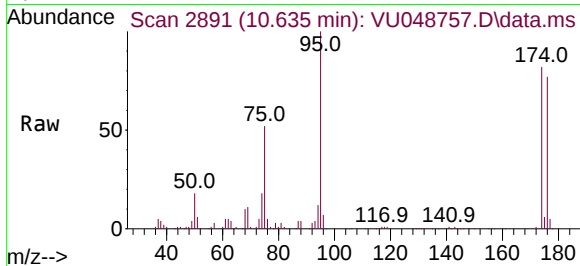




#81
trans-1,4-Dichloro-2-butene
Concen: 55.550 ug/l
RT: 10.635 min Scan# 2863
Delta R.T. 0.090 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

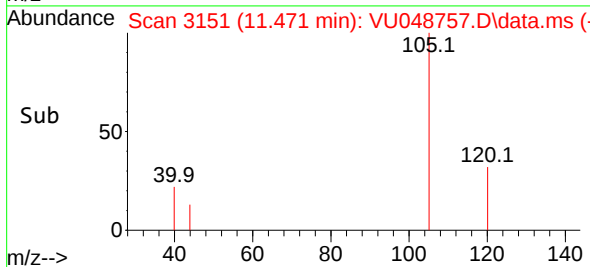
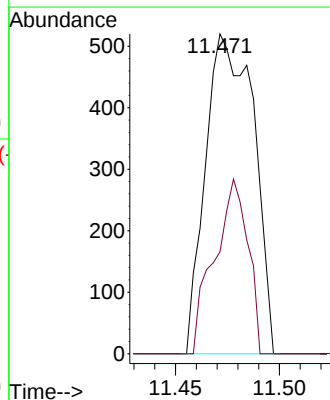
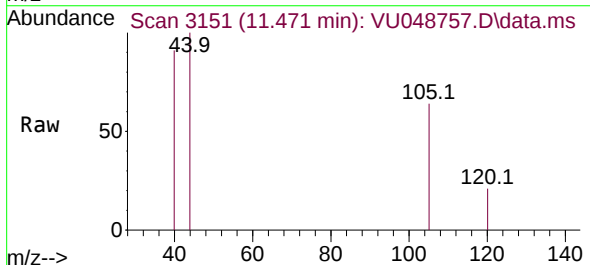
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL02

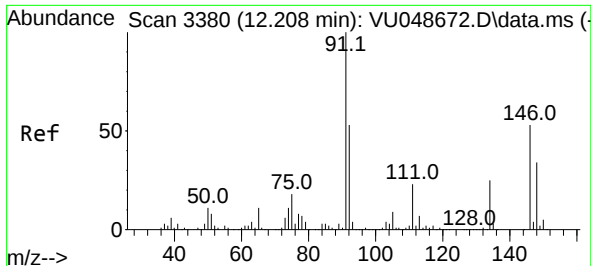
Tgt Ion: 75 Resp: 84360
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.266 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048757.D
Acq: 31 May 2022 23:03

Tgt Ion: 105 Resp: 835
Ion Ratio Lower Upper
105 100
120 38.2 22.5 67.5





#89

n-Butylbenzene

Concen: 2.275 ug/l

RT: 12.217 min Scan# 31

Delta R.T. 0.009 min

Lab File: VU048757.D

Acq: 31 May 2022 23:03

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBL02

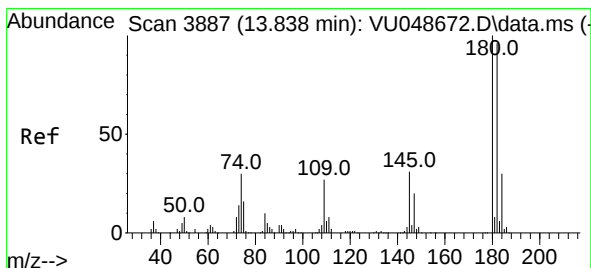
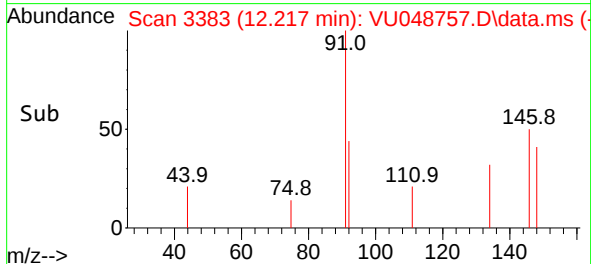
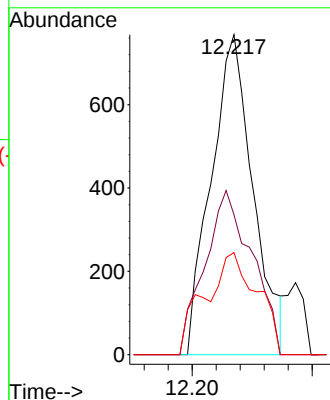
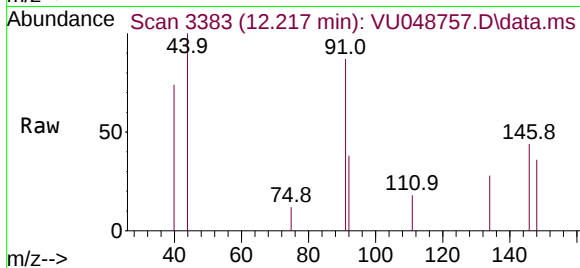
Tgt Ion: 91 Resp: 932

Ion Ratio Lower Upper

91 100

92 58.0 25.9 77.8

134 39.5 12.5 37.5#



#93

1,2,4-Trichlorobenzene

Concen: 0.223 ug/l

RT: 13.851 min Scan# 3891

Delta R.T. 0.013 min

Lab File: VU048757.D

Acq: 31 May 2022 23:03

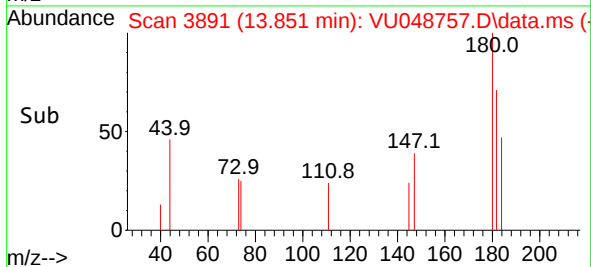
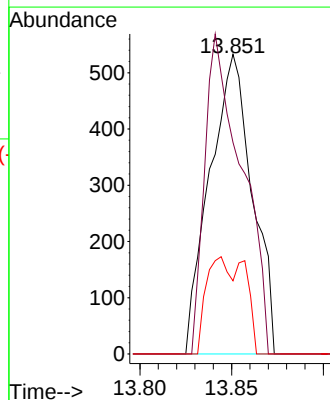
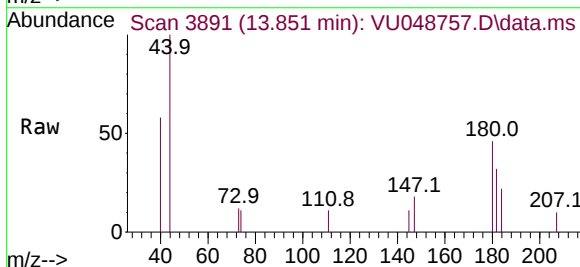
Tgt Ion:180 Resp: 860

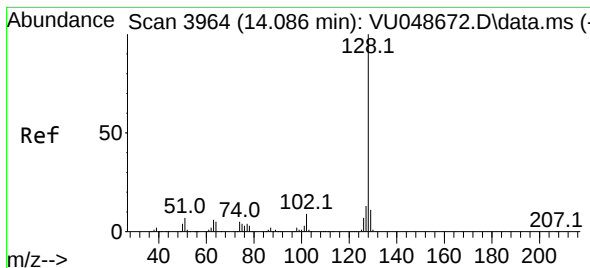
Ion Ratio Lower Upper

180 100

182 92.8 48.3 144.9

145 19.4 15.6 46.7





#95

Naphthalene

Concen: 3.011 ug/l

RT: 14.098 min Scan# 3968

Delta R.T. 0.012 min

Lab File: VU048757.D

Acq: 31 May 2022 23:03

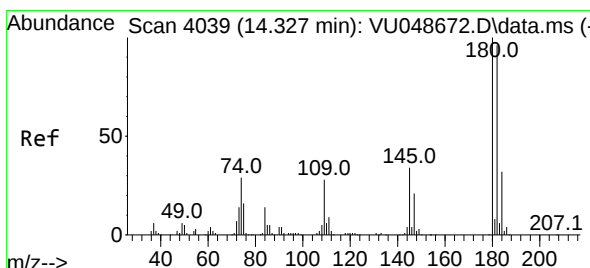
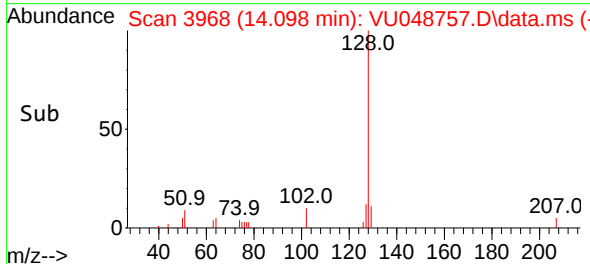
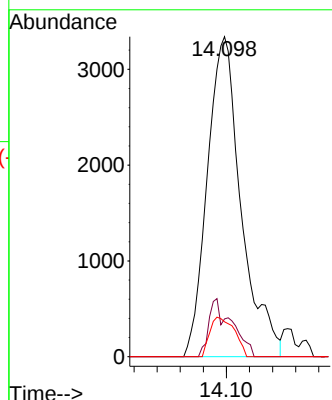
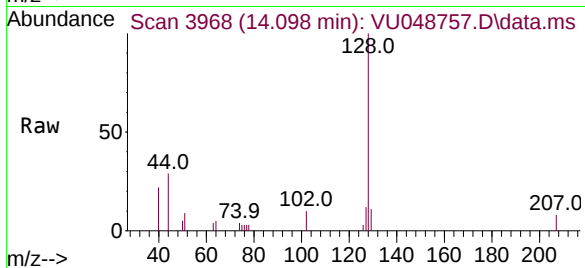
Instrument :

MSVOA_U

ClientSampleId :

VU0531WBL02

Tgt Ion:	128	Resp:	6786
Ion	Ratio	Lower	Upper
128	100		
127	7.3	10.2	15.4#
129	8.9	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.253 ug/l

RT: 14.336 min Scan# 4042

Delta R.T. 0.010 min

Lab File: VU048757.D

Acq: 31 May 2022 23:03

Tgt Ion:	180	Resp:	966
Ion	Ratio	Lower	Upper
180	100		
182	87.0	47.4	142.2
145	38.2	16.6	49.8

