

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048913.D
 Acq On : 07 Jun 2022 16:36
 Operator : SY/MD
 Sample : N3165-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 09BR-20220601

Quant Time: Jun 08 04:53:52 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)

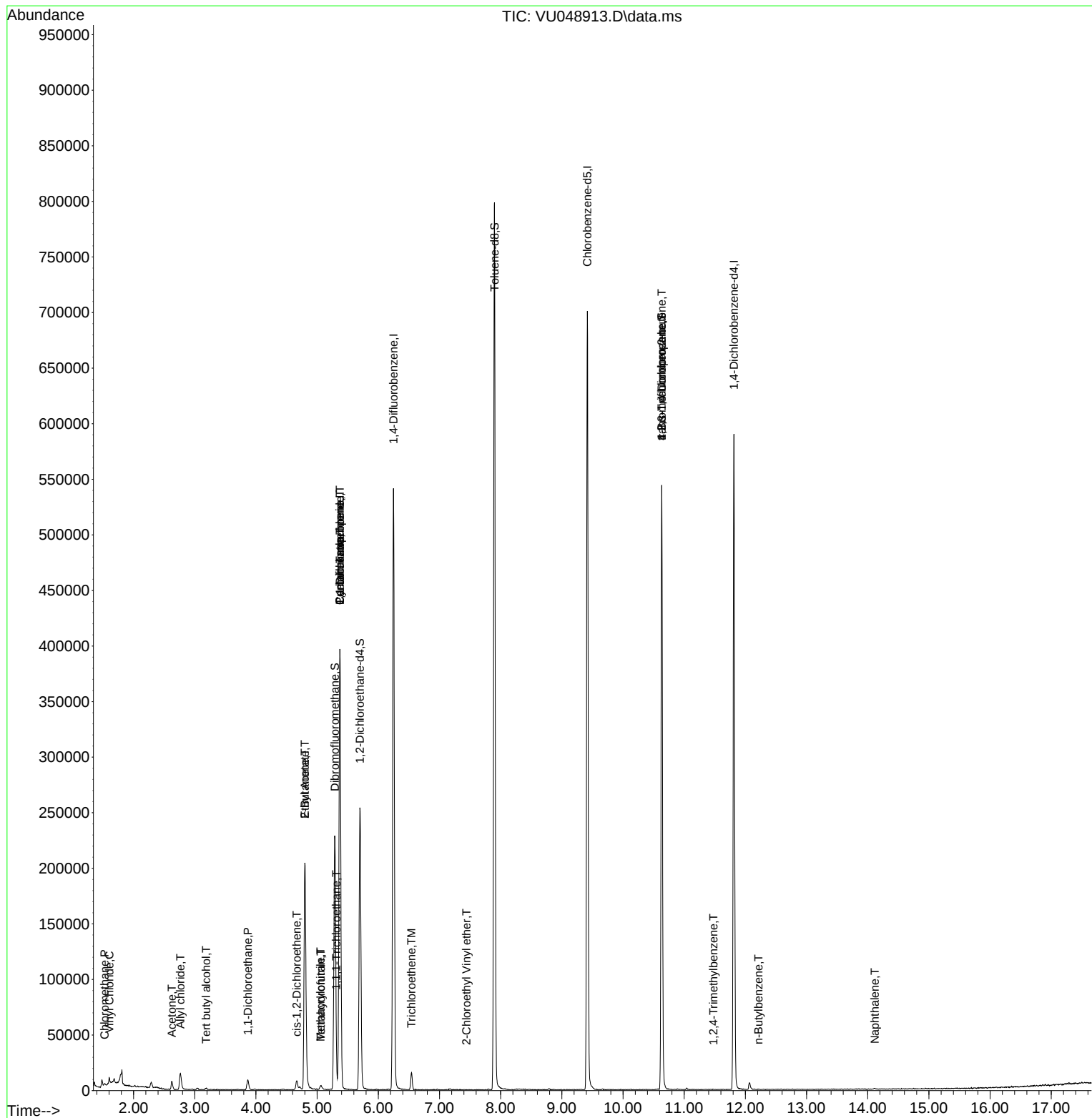
Internal Standards						
1) Pentafluorobenzene	5.372	168	265306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	433747	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	388624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	159515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	197909	49.671	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.340%
35) Dibromofluoromethane	5.289	113	148402	47.957	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.920%
50) Toluene-d8	7.899	98	528095	47.608	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.220%
62) 4-Bromofluorobenzene	10.632	95	179126	42.699	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.527	50	1134	0.290	ug/l	92
4) Vinyl Chloride	1.604	62	2500	0.690	ug/l	94
5) Bromomethane	1.858	94	47	Below Cal	#	3
6) Chloroethane	1.935	64	117	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	1247	1.234	ug/l #	28
13) Acrolein	2.485	56	62	Below Cal	#	14
14) Allyl chloride	2.765	41	2002	0.383	ug/l #	73
16) Acetone	2.626	43	8228	4.052	ug/l	92
24) 1,1-Dichloroethane	3.867	63	10394	1.715	ug/l	95
25) 2-Butanone	4.800	43	266946	91.512	ug/l #	49
27) cis-1,2-Dichloroethene	4.668	96	4683	1.310	ug/l	84
29) Tetrahydrofuran	5.060	42	2850	1.551	ug/l #	88
31) Cyclohexane	5.372	56	5409	1.077	ug/l #	1
32) 1,1,1-Trichloroethane	5.314	97	2183	0.397	ug/l #	44
36) 1,1-Dichloropropene	5.372	75	22158	4.906	ug/l #	49
37) Ethyl Acetate	4.800	43	266946	46.755	ug/l	99
38) Carbon Tetrachloride	5.372	117	27145	5.239	ug/l #	17
41) Methacrylonitrile	5.057	41	1613	0.559	ug/l #	41
44) Trichloroethene	6.543	130	4917	1.431	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.440	63	21	29.772	ug/l #	47
76) 1,2,3-Trichloropropane	10.632	75	95114	18.493	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	95114	67.147	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.478	105	118	1.199	ug/l #	31
89) n-Butylbenzene	12.214	91	75	2.193	ug/l #	34
95) Naphthalene	14.115	128	1201	2.623	ug/l #	69

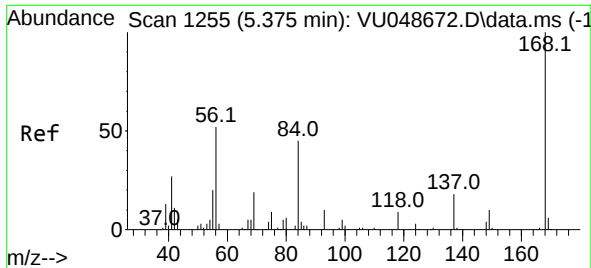
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
Data File : VU048913.D
Acq On : 07 Jun 2022 16:36
Operator : SY/MD
Sample : N3165-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

Quant Time: Jun 08 04:53:52 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

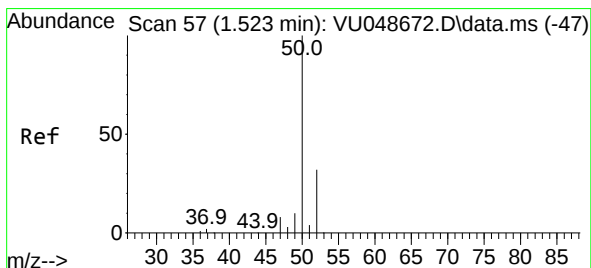
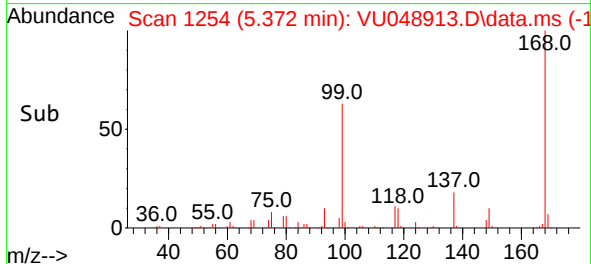
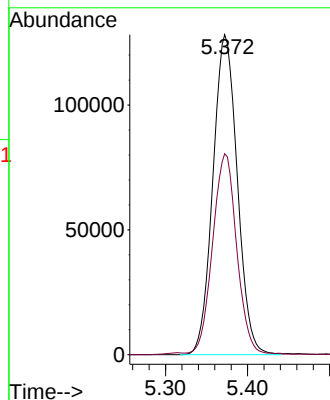
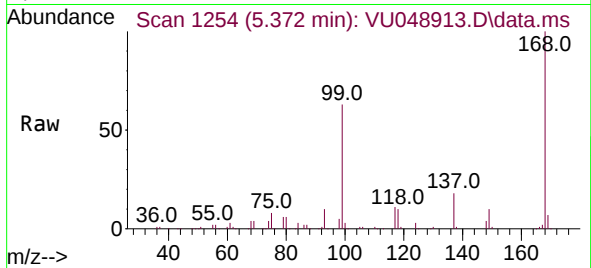




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

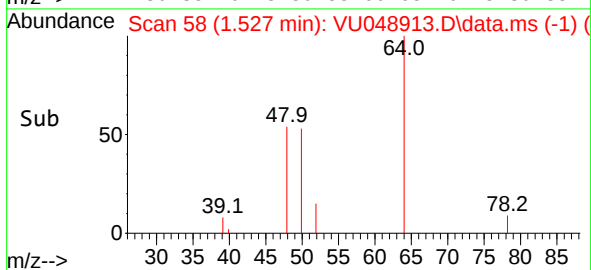
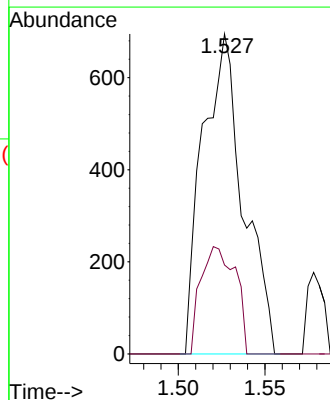
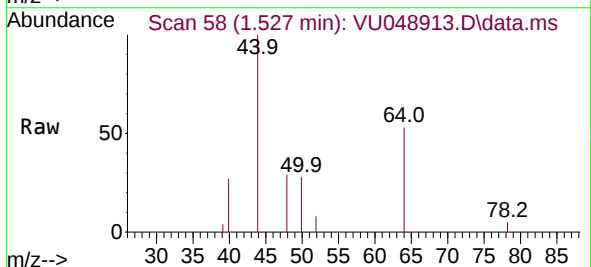
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

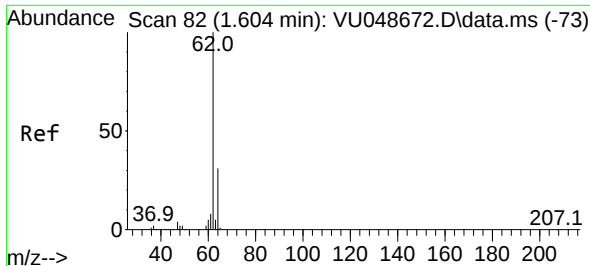
Tgt Ion:168 Resp: 265306
Ion Ratio Lower Upper
168 100
99 62.4 49.3 73.9



#3
Chloromethane
Concen: 0.290 ug/l
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

Tgt Ion: 50 Resp: 1134
Ion Ratio Lower Upper
50 100
52 27.8 25.7 38.5

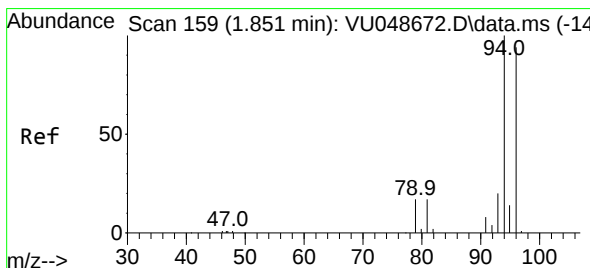
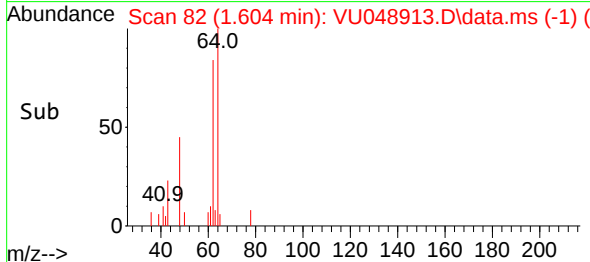
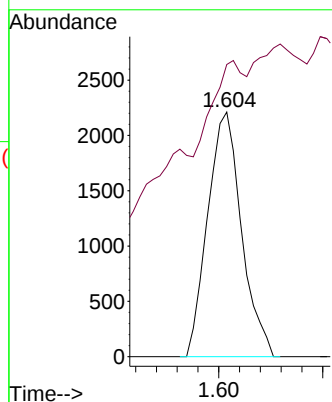
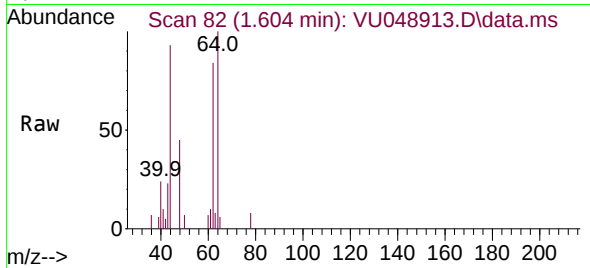




#4
 Vinyl Chloride
 Concen: 0.690 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU048913.D
 Acq: 07 Jun 2022 16:36

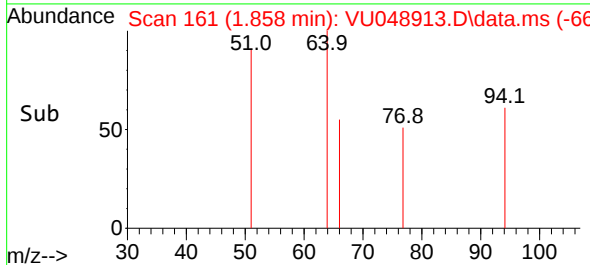
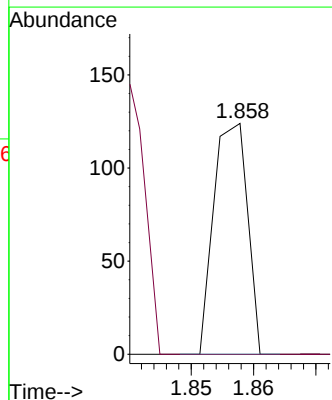
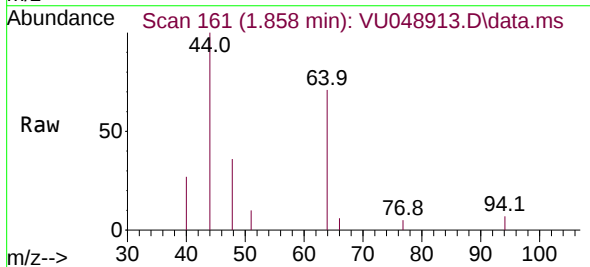
Instrument :
 MSVOA_U
 ClientSampleId :
 09BR-20220601

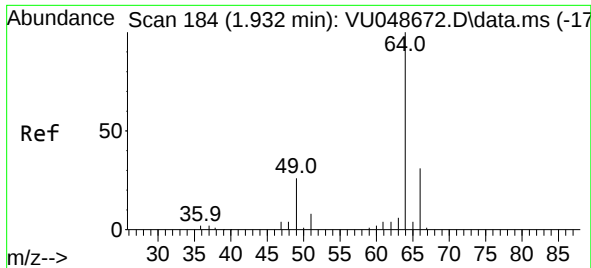
Tgt Ion: 62 Resp: 2500
 Ion Ratio Lower Upper
 62 100
 64 34.6 25.2 37.8



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.858 min Scan# 161
 Delta R.T. 0.007 min
 Lab File: VU048913.D
 Acq: 07 Jun 2022 16:36

Tgt Ion: 94 Resp: 47
 Ion Ratio Lower Upper
 94 100
 96 0.0 75.1 112.7#

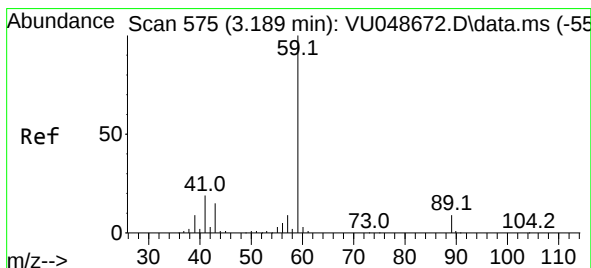
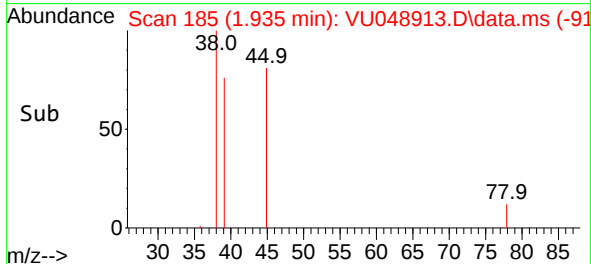
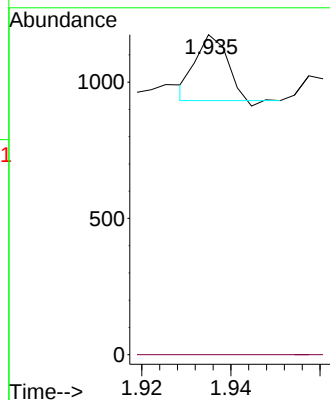
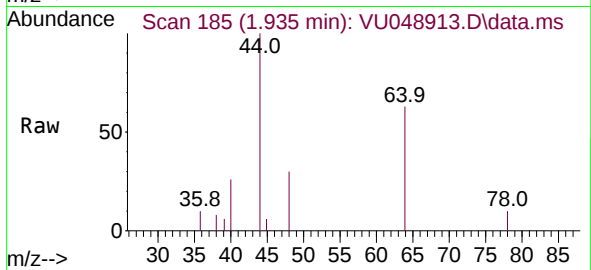




#6
Chloroethane
Concen: Below Cal
RT: 1.935 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

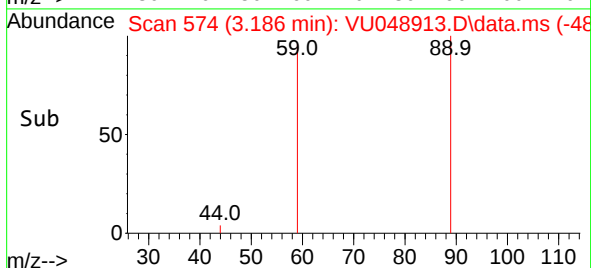
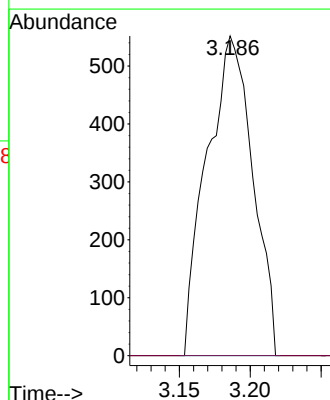
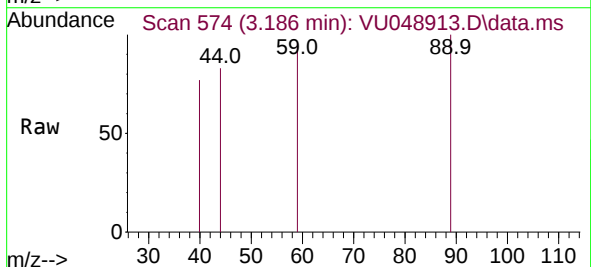
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

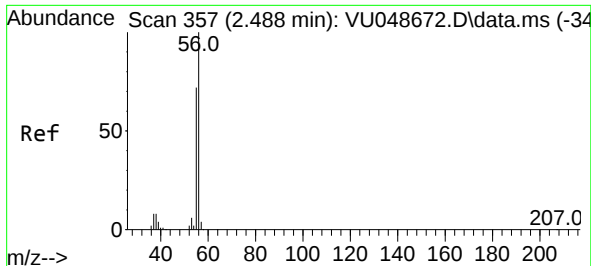
Tgt Ion: 64 Resp: 117
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 1.234 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.003 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

Tgt Ion: 59 Resp: 1247
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

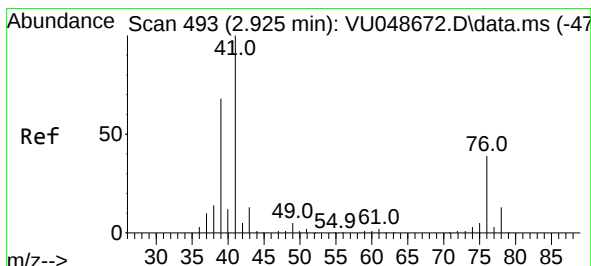
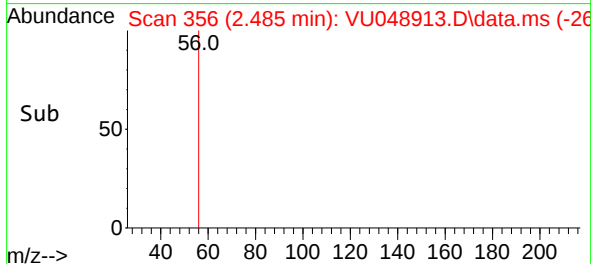
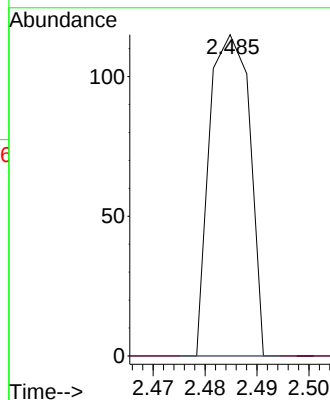
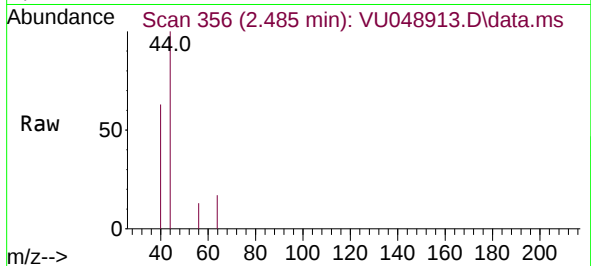




#13
Acrolein
Concen: Below Cal
RT: 2.485 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

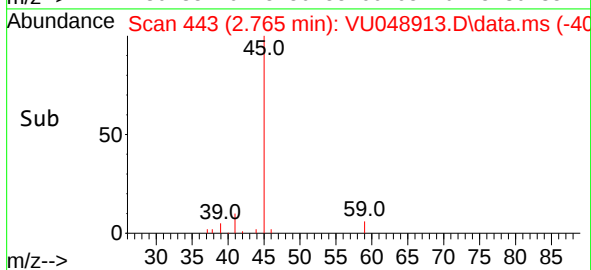
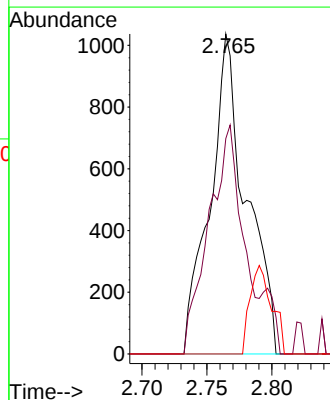
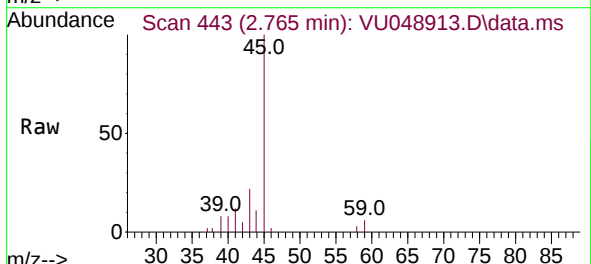
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

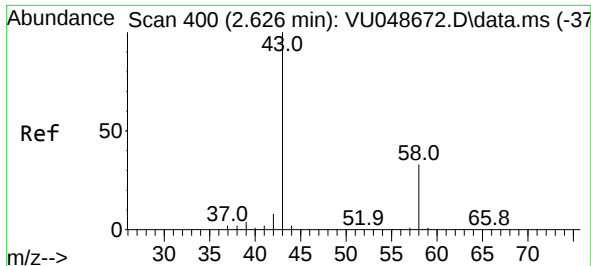
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#14
Allyl chloride
Concen: 0.383 ug/l
RT: 2.765 min Scan# 443
Delta R.T. -0.161 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

Tgt Ion: 41 Resp: 2002
Ion Ratio Lower Upper
41 100
39 67.5 48.6 72.8
76 0.0 27.0 40.4#

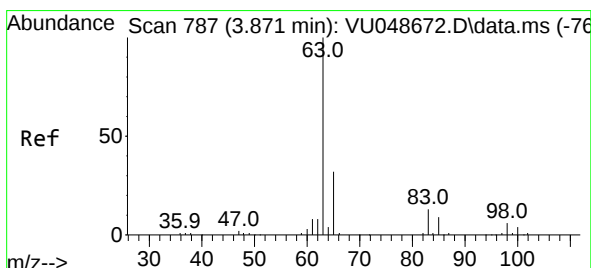
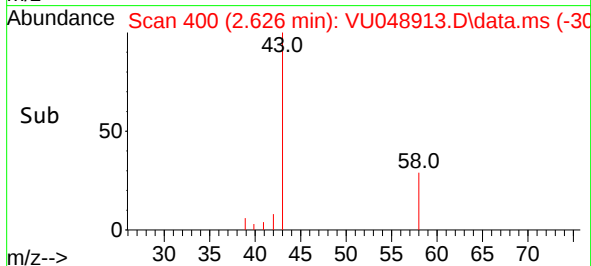
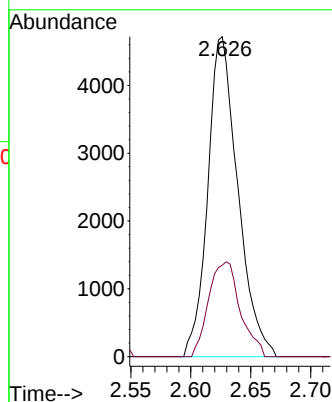
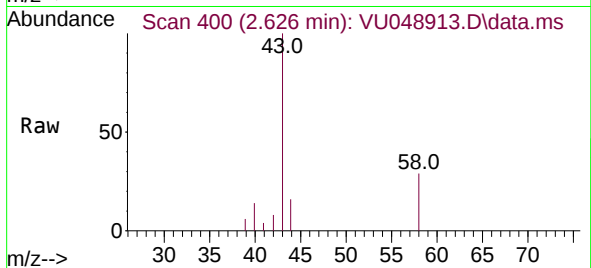




#16
Acetone
Concen: 4.052 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

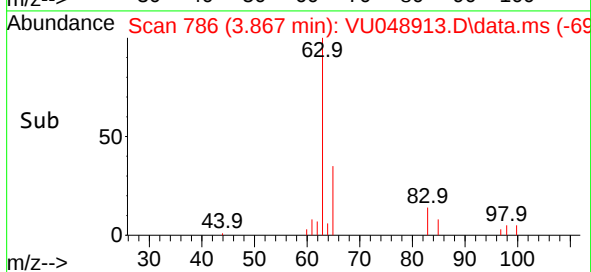
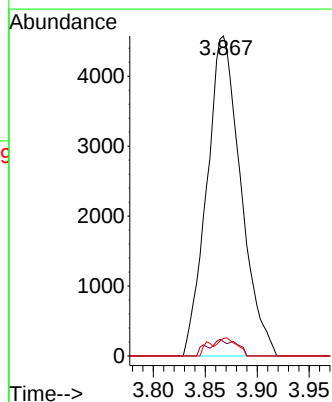
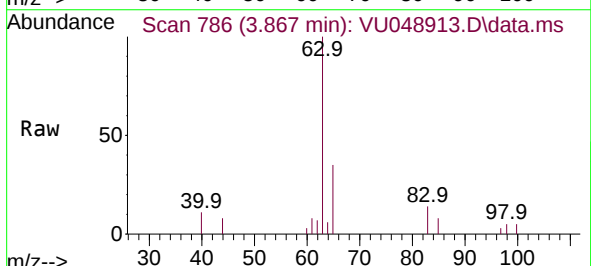
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

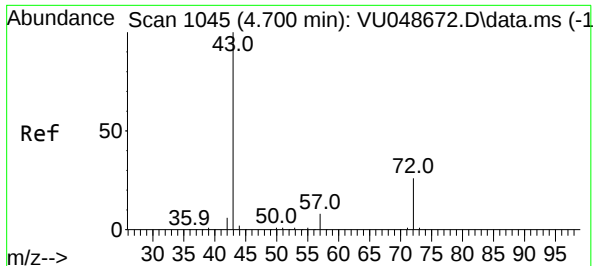
Tgt Ion: 43 Resp: 8228
Ion Ratio Lower Upper
43 100
58 28.6 26.3 39.5



#24
1,1-Dichloroethane
Concen: 1.715 ug/l
RT: 3.867 min Scan# 786
Delta R.T. -0.003 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

Tgt Ion: 63 Resp: 10394
Ion Ratio Lower Upper
63 100
98 4.5 3.1 9.3
100 5.5 2.0 5.8





#25

2-Butanone

Concen: 91.512 ug/l

RT: 4.800 min Scan# 1076

Delta R.T. 0.100 min

Lab File: VU048913.D

Acq: 07 Jun 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

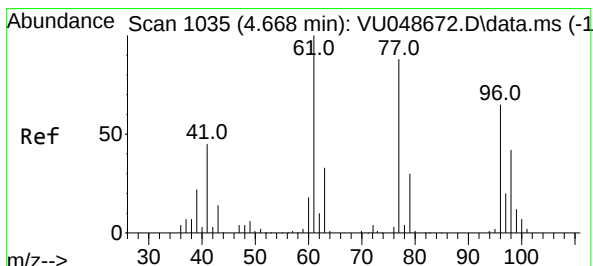
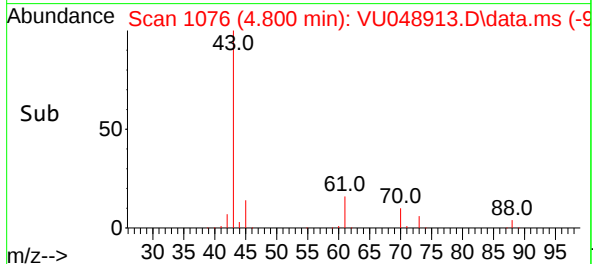
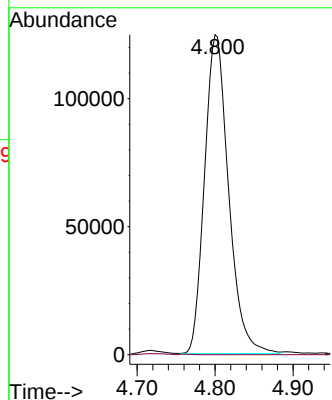
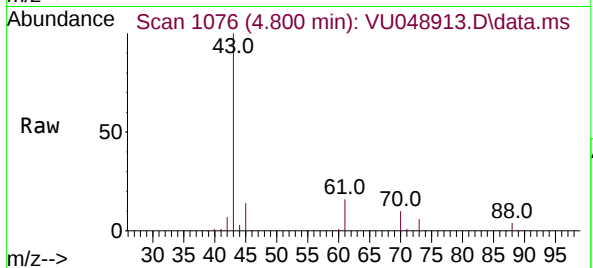
09BR-20220601

Tgt Ion: 43 Resp: 266946

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#27

cis-1,2-Dichloroethene

Concen: 1.310 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU048913.D

Acq: 07 Jun 2022 16:36

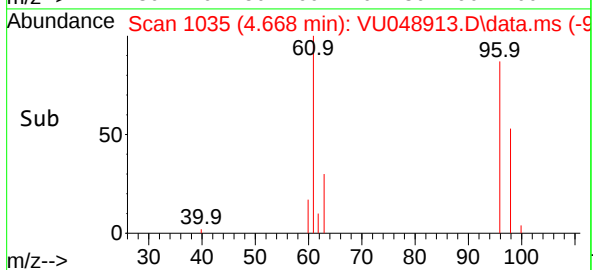
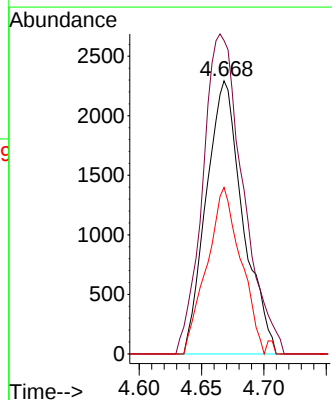
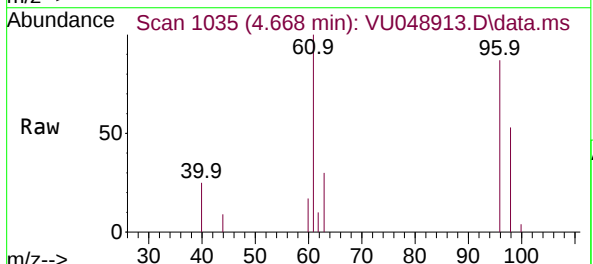
Tgt Ion: 96 Resp: 4683

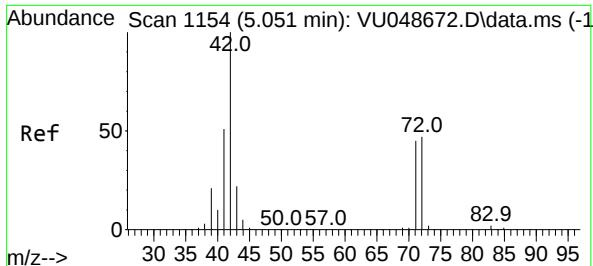
Ion Ratio Lower Upper

96 100

61 128.9 0.0 306.2

98 56.7 0.0 130.4

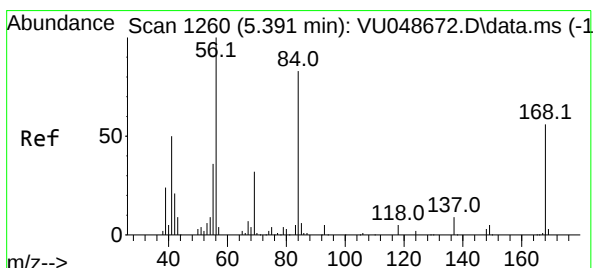
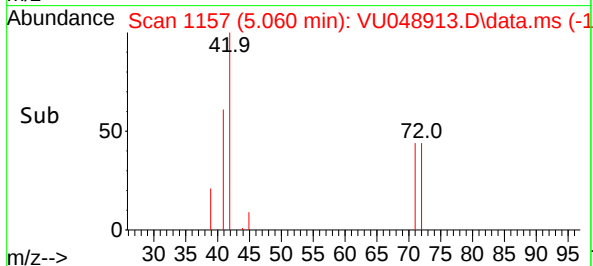
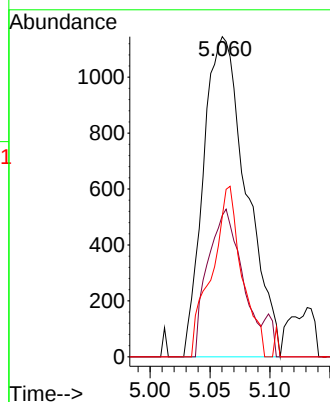
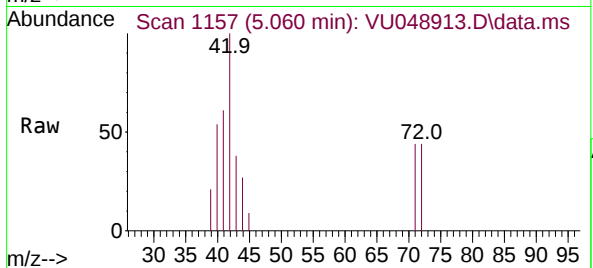




#29
Tetrahydrofuran
Concen: 1.551 ug/l
RT: 5.060 min Scan# 1154
Delta R.T. 0.010 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

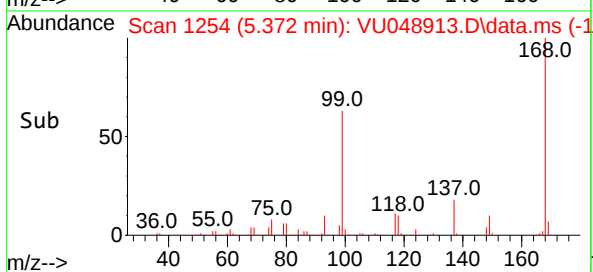
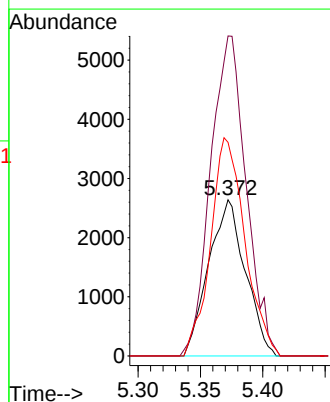
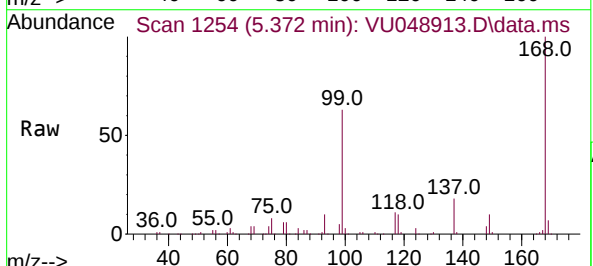
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

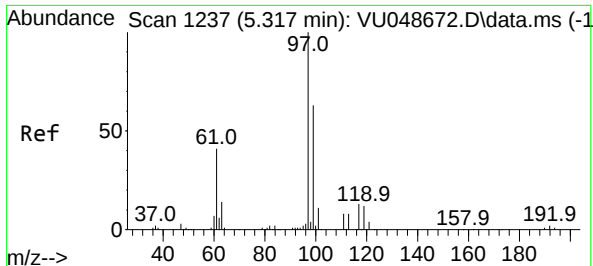
Tgt Ion: 42 Resp: 2850
Ion Ratio Lower Upper
42 100
72 37.0 37.6 56.4#
71 37.4 35.0 52.4



#31
Cyclohexane
Concen: 1.077 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

Tgt Ion: 56 Resp: 5409
Ion Ratio Lower Upper
56 100
69 204.9 25.6 38.4#
84 136.8 66.2 99.4#





#32

1,1,1-Trichloroethane

Concen: 0.397 ug/l

RT: 5.314 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU048913.D

Acq: 07 Jun 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

09BR-20220601

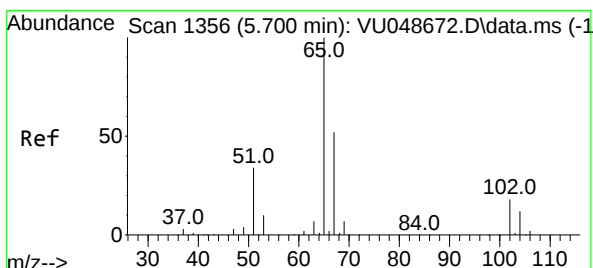
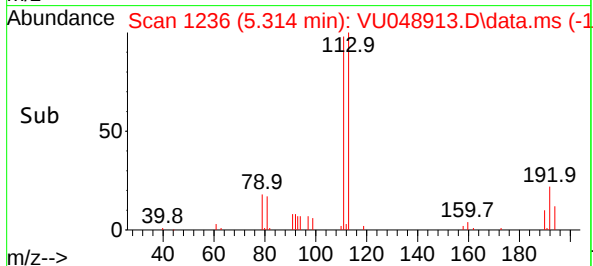
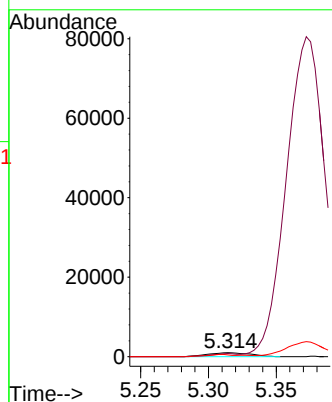
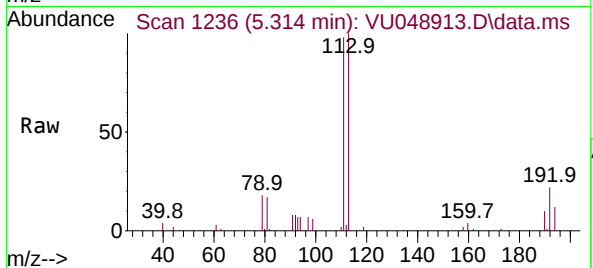
Tgt Ion: 97 Resp: 2183

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

61 32.7 34.5 51.7#



#33

1,2-Dichloroethane-d4

Concen: 49.671 ug/l

RT: 5.700 min Scan# 1356

Delta R.T. 0.000 min

Lab File: VU048913.D

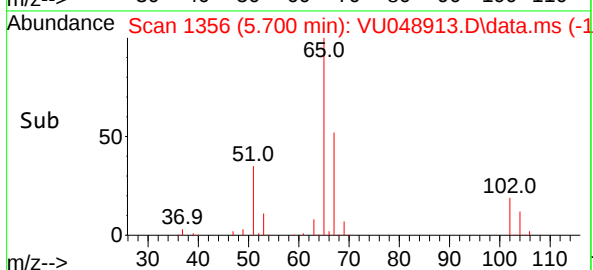
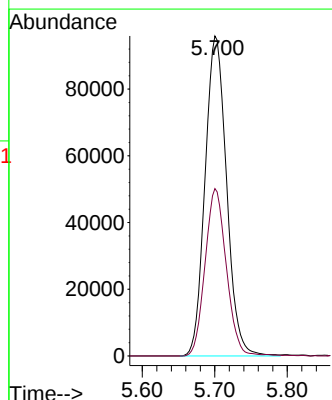
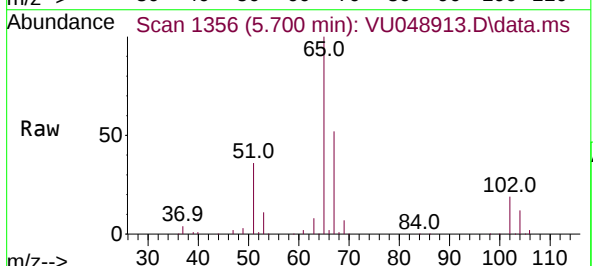
Acq: 07 Jun 2022 16:36

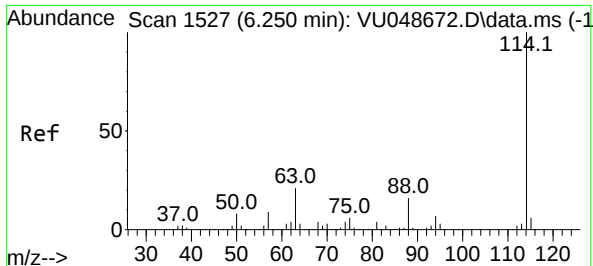
Tgt Ion: 65 Resp: 197909

Ion Ratio Lower Upper

65 100

67 51.4 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: VU048913.D

Acq: 07 Jun 2022 16:36

Instrument :

MSVOA_U

ClientSampleId :

09BR-20220601

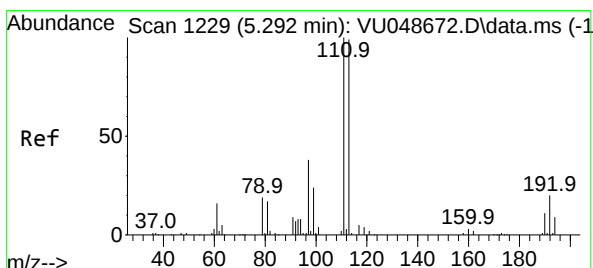
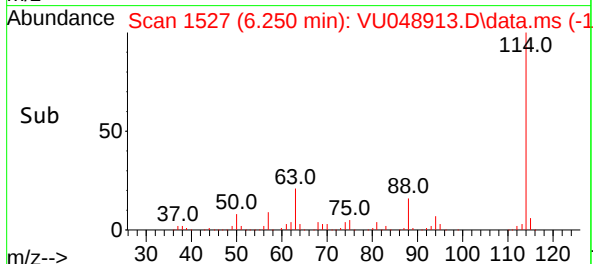
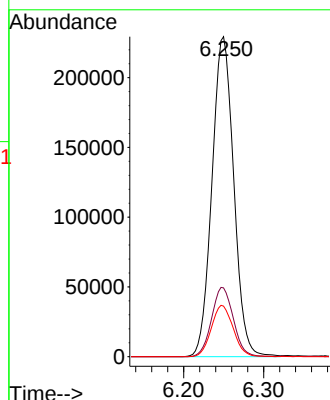
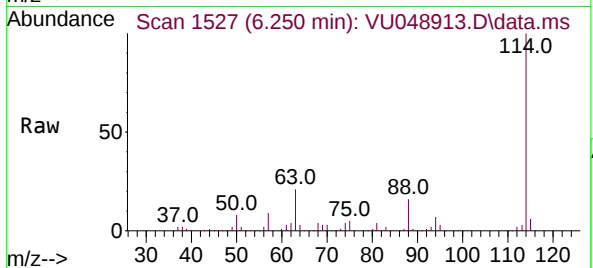
Tgt Ion:114 Resp: 433747

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 15.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.957 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. -0.003 min

Lab File: VU048913.D

Acq: 07 Jun 2022 16:36

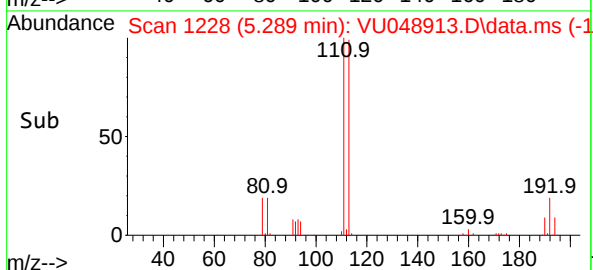
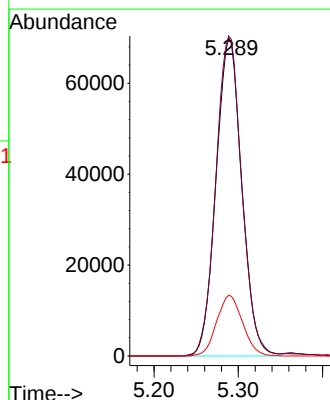
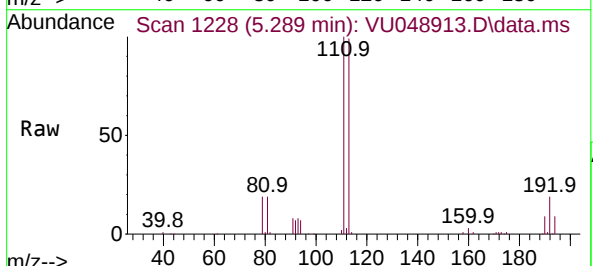
Tgt Ion:113 Resp: 148402

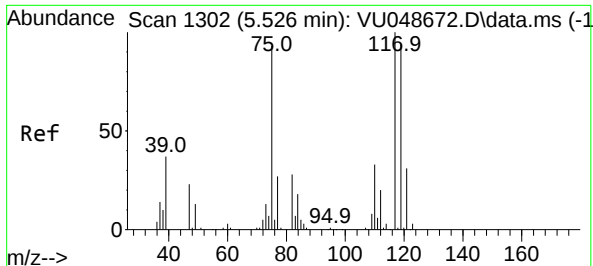
Ion Ratio Lower Upper

113 100

111 101.0 80.7 121.1

192 19.2 15.9 23.9

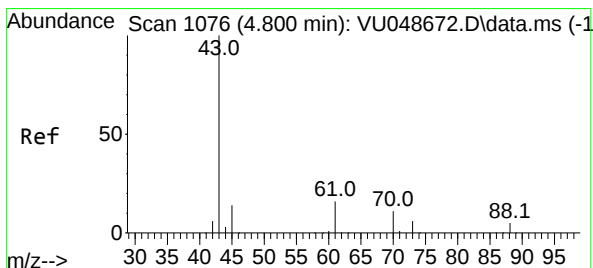
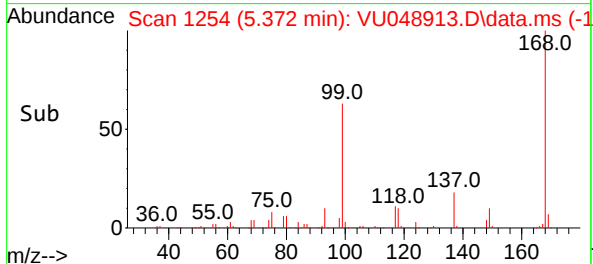
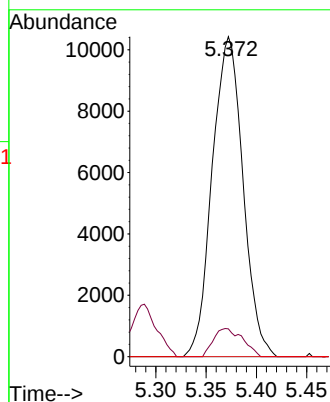
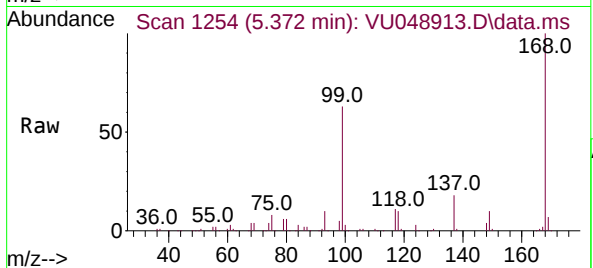




#36
1,1-Dichloropropene
Concen: 4.906 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

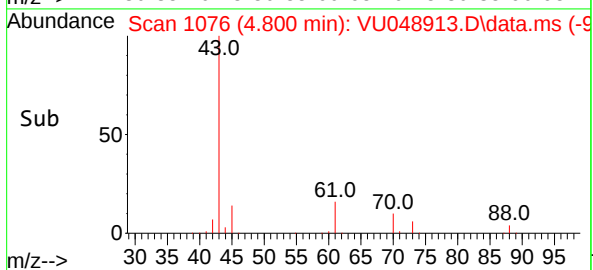
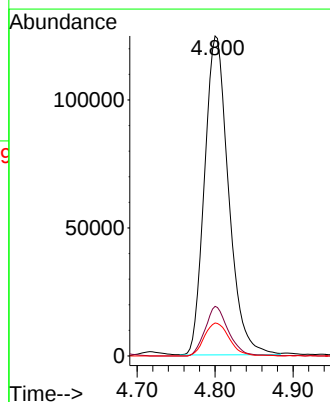
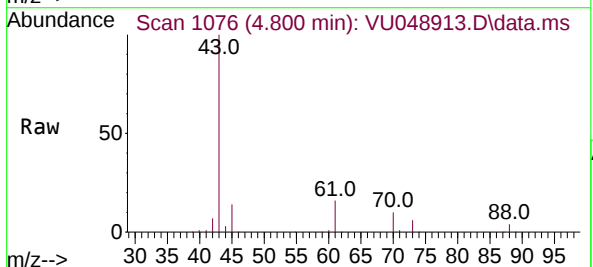
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

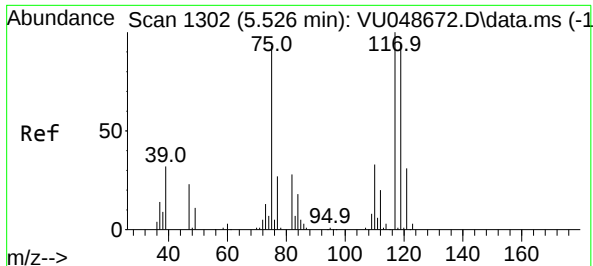
Tgt Ion: 75 Resp: 22158
Ion Ratio Lower Upper
75 100
110 8.4 17.4 52.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 46.755 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

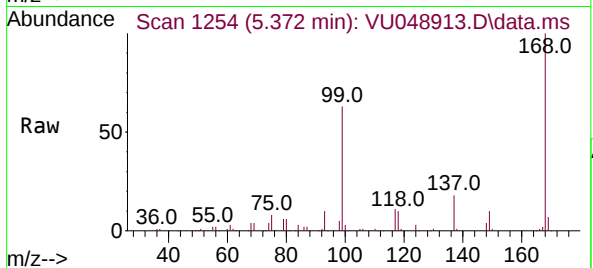
Tgt Ion: 43 Resp: 266946
Ion Ratio Lower Upper
43 100
61 15.1 11.7 17.5
70 10.6 8.4 12.6



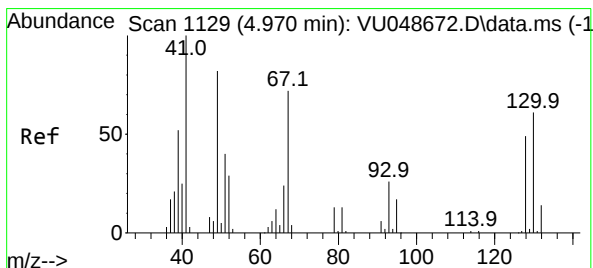
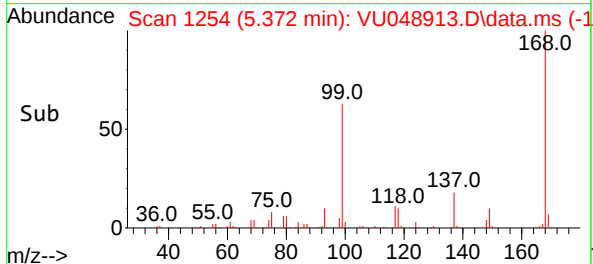
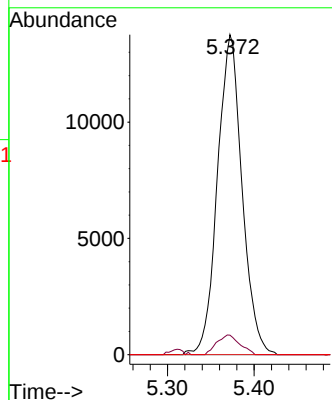


#38
Carbon Tetrachloride
Concen: 5.239 ug/l
RT: 5.372 min Scan# 1156
Delta R.T. -0.154 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

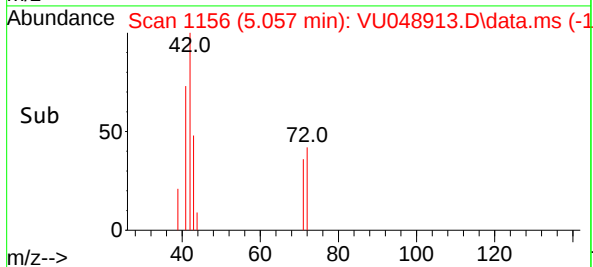
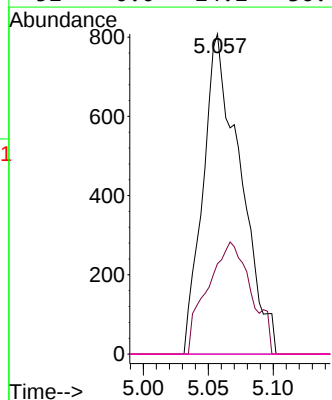
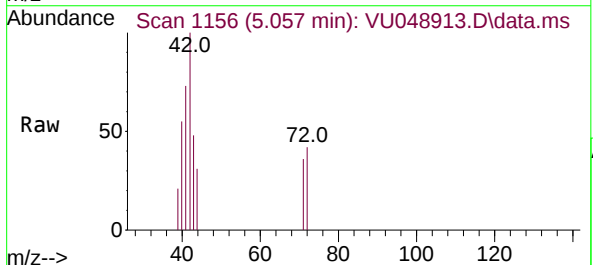


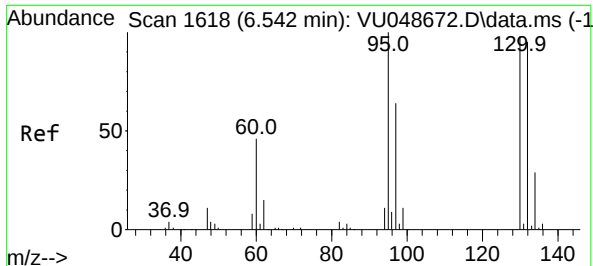
Tgt Ion:117 Resp: 27145
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.2#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.559 ug/l
RT: 5.057 min Scan# 1156
Delta R.T. 0.087 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

Tgt Ion: 41 Resp: 1613
Ion Ratio Lower Upper
41 100
39 41.2 42.6 64.0#
67 0.0 61.0 91.4#
52 0.0 24.2 36.4#

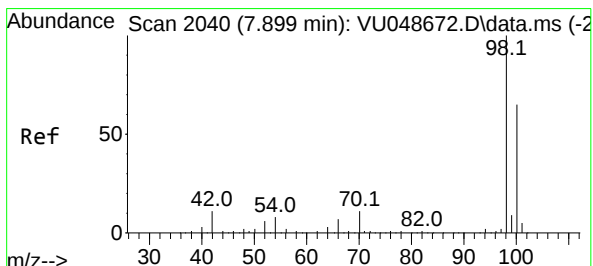
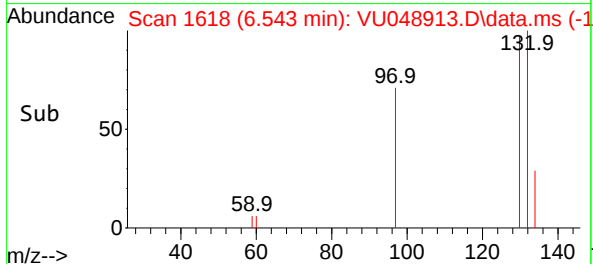
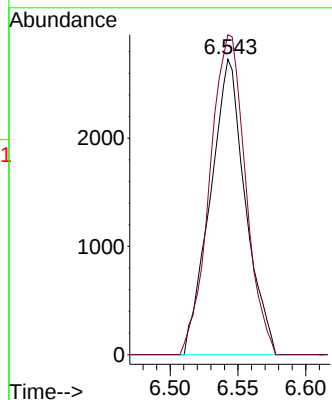
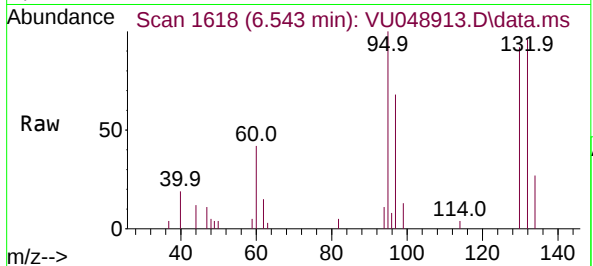




#44
Trichloroethene
Concen: 1.431 ug/l
RT: 6.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

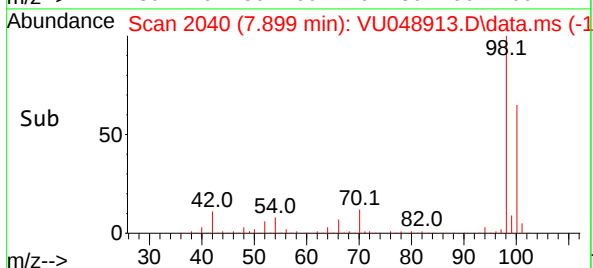
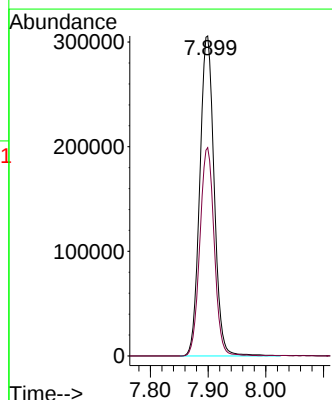
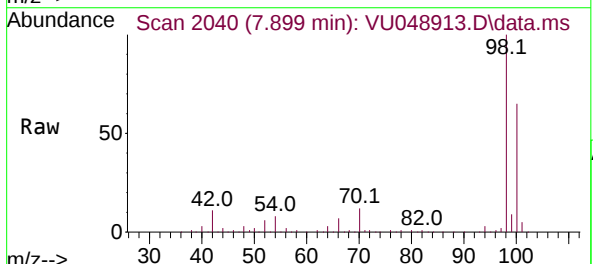
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

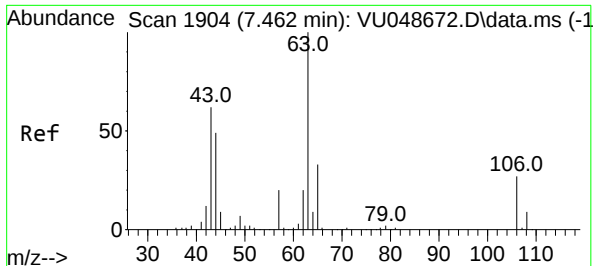
Tgt Ion:130 Resp: 4917
Ion Ratio Lower Upper
130 100
95 108.3 0.0 204.8



#50
Toluene-d8
Concen: 47.608 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

Tgt Ion: 98 Resp: 528095
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4

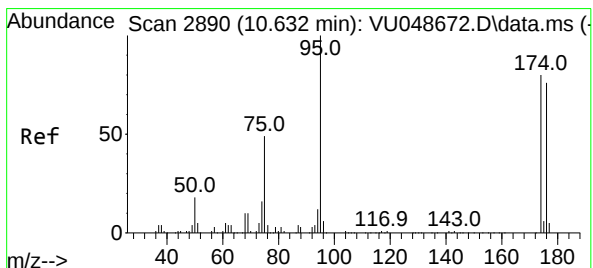
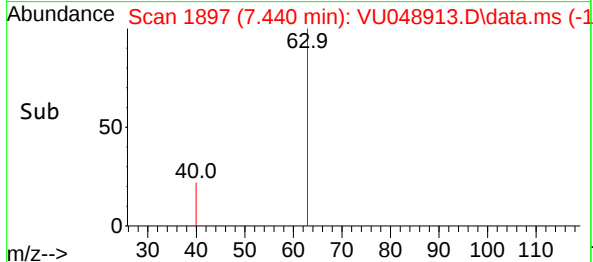
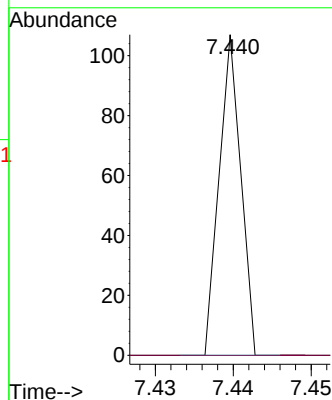
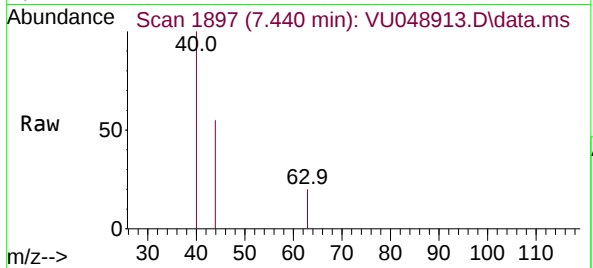




#58
2-Chloroethyl Vinyl ether
Concen: 29.772 ug/l
RT: 7.440 min Scan# 11
Delta R.T. -0.022 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

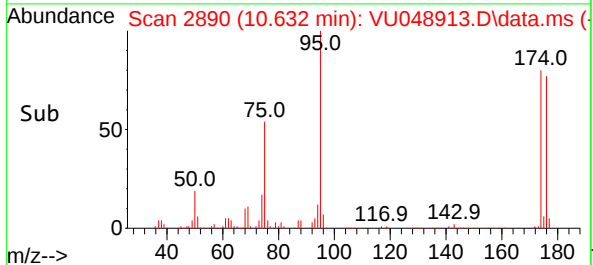
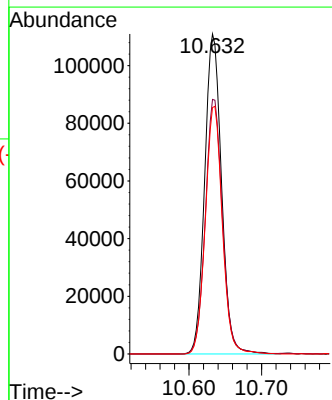
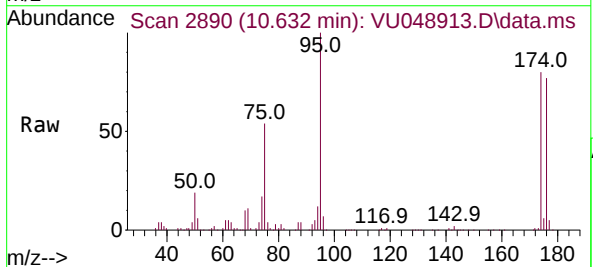
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

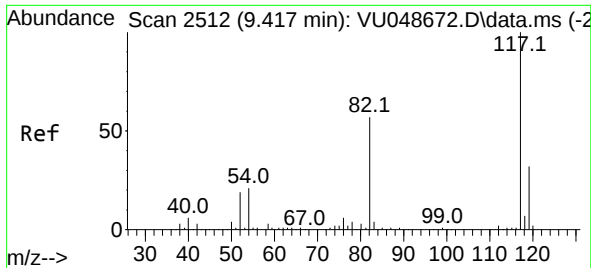
Tgt Ion: 63 Resp: 21
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 42.699 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

Tgt Ion: 95 Resp: 179126
Ion Ratio Lower Upper
95 100
174 81.2 0.0 159.4
176 78.1 0.0 152.4

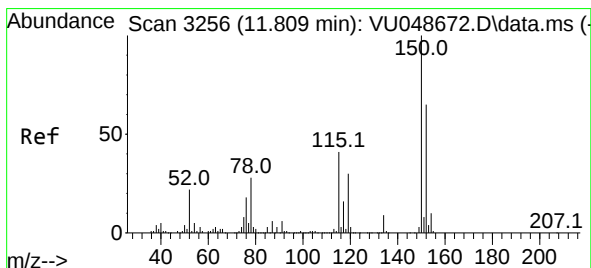
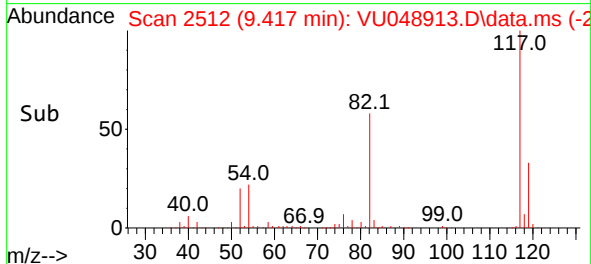
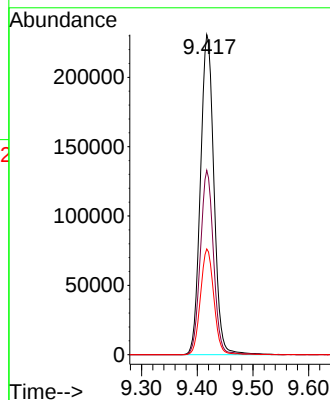
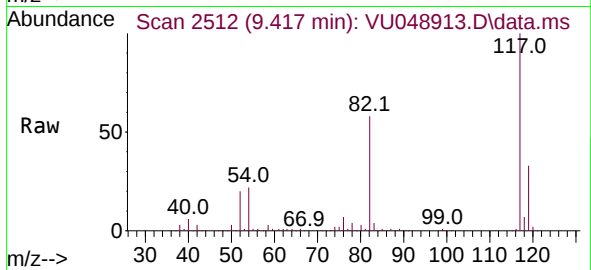




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

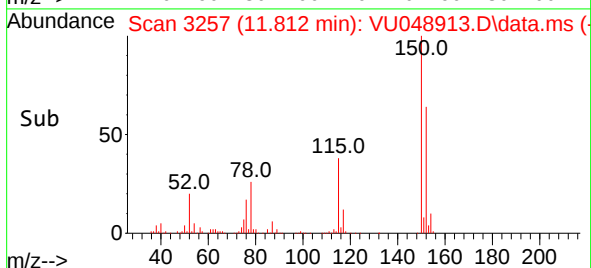
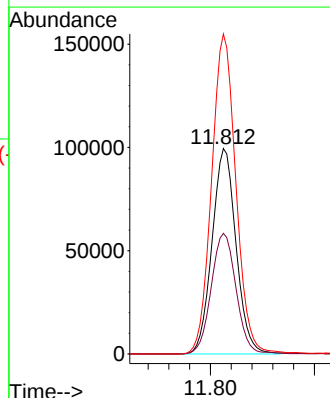
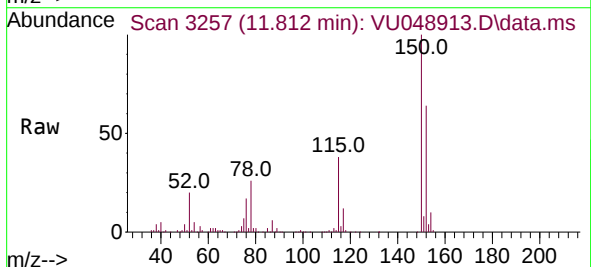
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

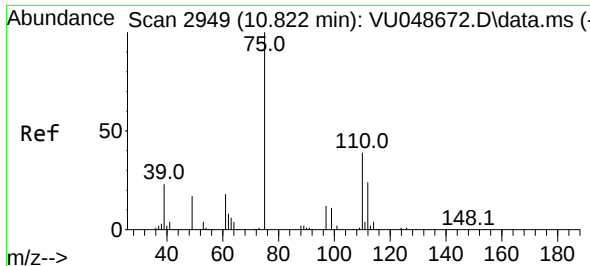
Tgt Ion:117 Resp: 388624
Ion Ratio Lower Upper
117 100
82 57.6 45.3 67.9
119 33.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

Tgt Ion:152 Resp: 159515
Ion Ratio Lower Upper
152 100
115 60.8 41.8 125.4
150 157.7 0.0 341.0

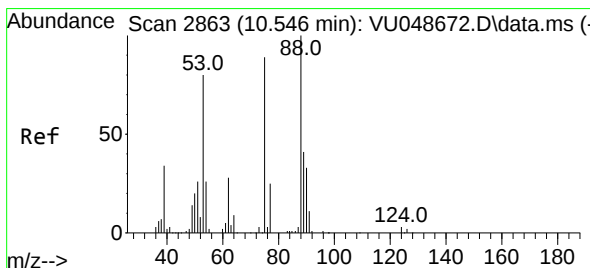
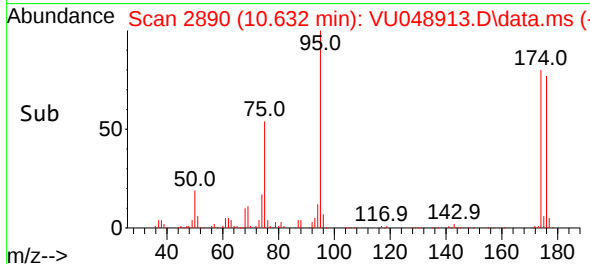
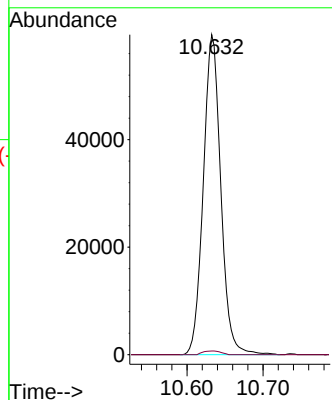
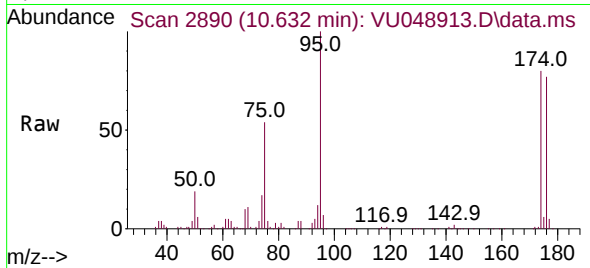




#76
1,2,3-Trichloropropane
Concen: 18.493 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

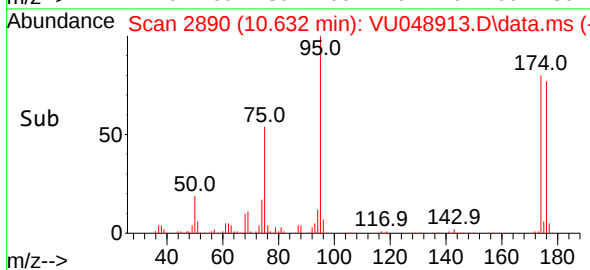
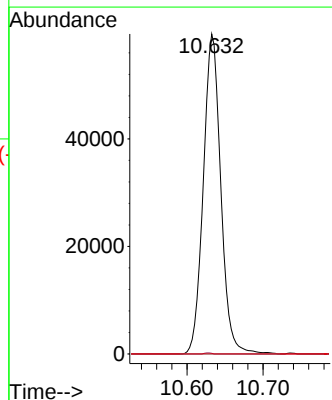
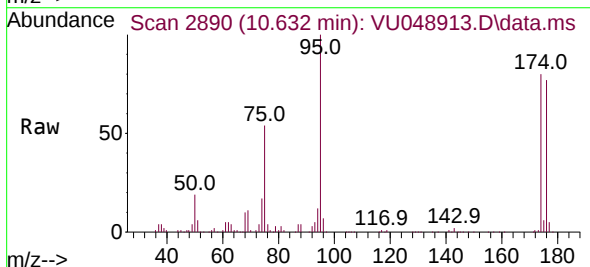
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

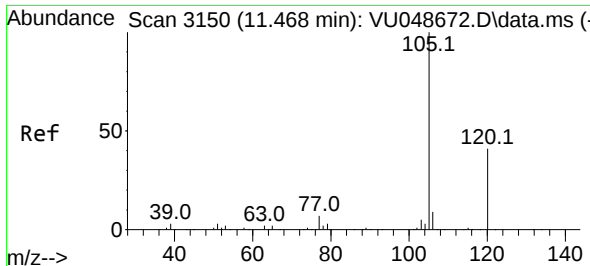
Tgt Ion: 75 Resp: 95114
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.147 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

Tgt Ion: 75 Resp: 95114
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

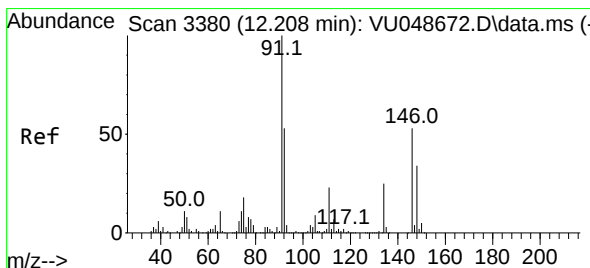
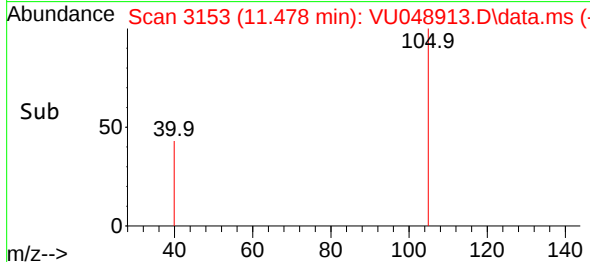
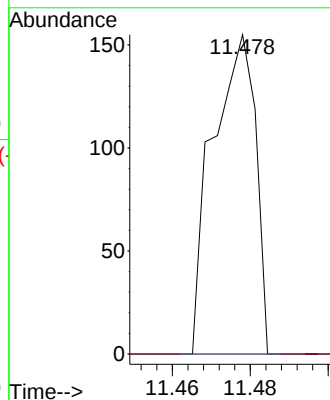
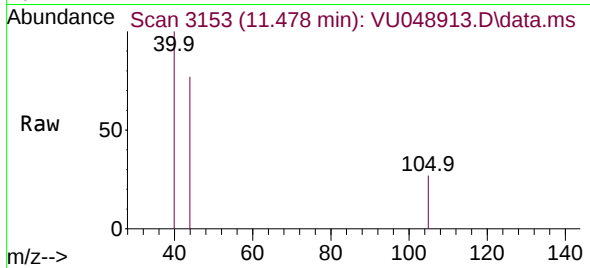




#84
1,2,4-Trimethylbenzene
Concen: 1.199 ug/l
RT: 11.478 min Scan# 3150
Delta R.T. 0.010 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

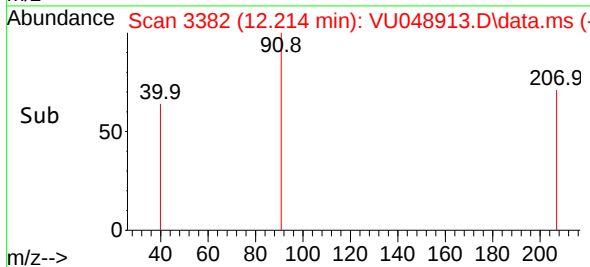
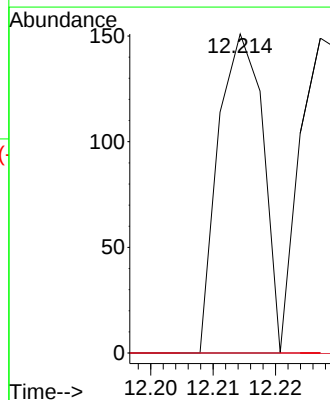
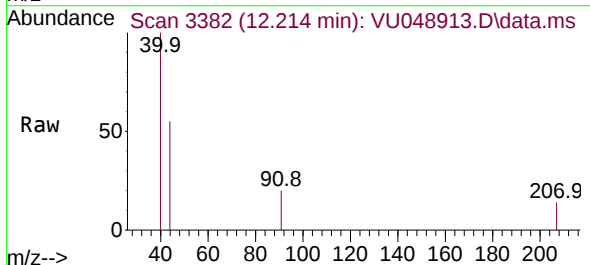
Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

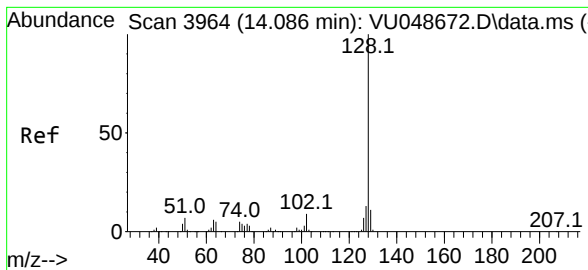
Tgt Ion:105 Resp: 118
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#89
n-Butylbenzene
Concen: 2.193 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.006 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

Tgt Ion: 91 Resp: 75
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95
Naphthalene
Concen: 2.623 ug/l
RT: 14.115 min Scan# 3964
Delta R.T. 0.029 min
Lab File: VU048913.D
Acq: 07 Jun 2022 16:36

Instrument :
MSVOA_U
ClientSampleId :
09BR-20220601

Tgt Ion:128 Resp: 1201
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

