

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048934.D
 Acq On : 08 Jun 2022 01:26
 Operator : SY/MD
 Sample : N3164-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 40S-20220531

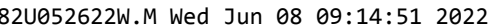
Quant Time: Jun 08 09:14:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.372	168	250242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	411035	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	380099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	167409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	188103	50.052	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.100%			
35) Dibromofluoromethane	5.288	113	144133	49.152	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.300%			
50) Toluene-d8	7.899	98	499804	47.548	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.100%			
62) 4-Bromofluorobenzene	10.632	95	184749	46.473	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.382	85	9318	3.253	ug/l	98
3) Chloromethane	1.520	50	744	0.202	ug/l #	81
4) Vinyl Chloride	1.604	62	1893	0.554	ug/l #	41
5) Bromomethane	1.822	94	193	Below Cal	#	23
6) Chloroethane	1.925	64	251	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	2.571	101	2248	0.842	ug/l	94
11) Tert butyl alcohol	3.179	59	4025	4.224	ug/l #	28
13) Acrolein	2.497	56	41	Below Cal	#	72
14) Allyl chloride	2.771	41	3290	0.667	ug/l #	81
16) Acetone	2.626	43	5582	2.914	ug/l #	83
21) trans-1,2-Dichloroethene	3.350	96	9868	3.387	ug/l	90
25) 2-Butanone	4.800	43	386674	140.535	ug/l #	49
27) cis-1,2-Dichloroethene	4.665	96	45470	13.484	ug/l	91
29) Tetrahydrofuran	5.054	42	1709	0.986	ug/l #	62
31) Cyclohexane	5.372	56	5639	1.191	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20760	4.851	ug/l #	50
37) Ethyl Acetate	4.800	43	386674	71.468	ug/l	99
38) Carbon Tetrachloride	5.369	117	27096	5.518	ug/l #	16
39) Methylcyclohexane	6.542	83	3035	0.676	ug/l #	1
41) Methacrylonitrile	5.057	41	1375	0.503	ug/l #	31
44) Trichloroethene	6.542	130	217155	66.709	ug/l	98
45) 1,2-Dichloropropane	6.536	63	881	0.277	ug/l #	1
76) 1,2,3-Trichloropropane	10.632	75	94745	17.553	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	94745	63.732	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.478	105	70	1.194	ug/l #	31
89) n-Butylbenzene	12.214	91	159	2.201	ug/l #	34
95) Naphthalene	14.102	128	1392	2.633	ug/l #	74

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

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Quant Title : SW846 8260
QLast Update : Fri May 27 06:42:31 2022
Response via : Initial Calibration

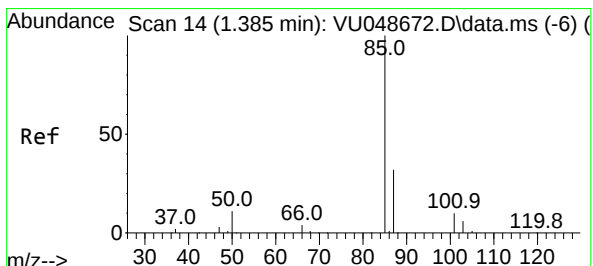
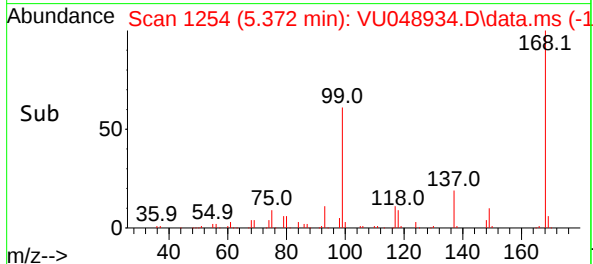
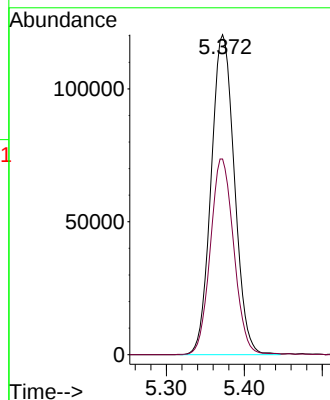
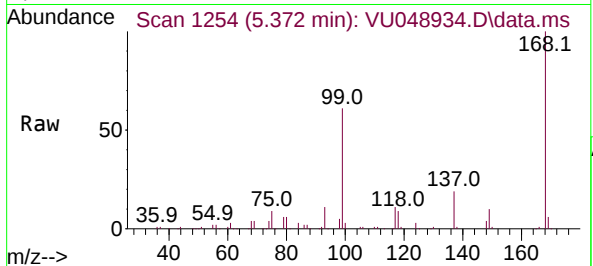




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

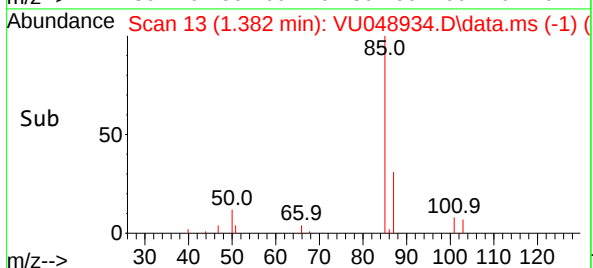
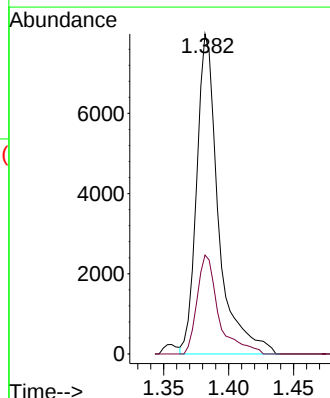
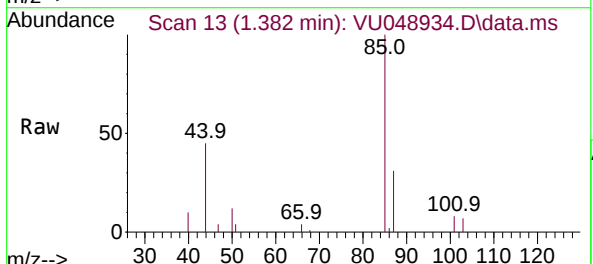
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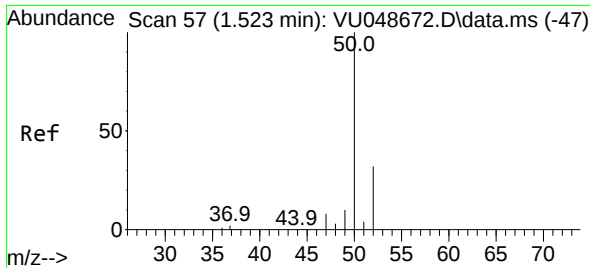
Tgt Ion:168 Resp: 250242
Ion Ratio Lower Upper
168 100
99 61.1 49.3 73.9



#2
Dichlorodifluoromethane
Concen: 3.253 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.003 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 85 Resp: 9318
Ion Ratio Lower Upper
85 100
87 30.9 16.0 48.0

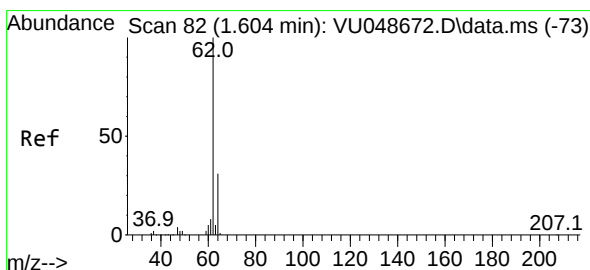
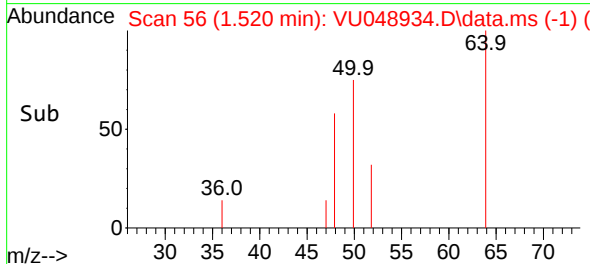
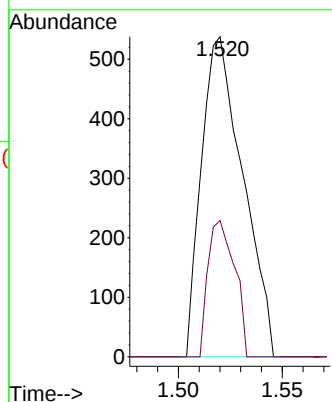
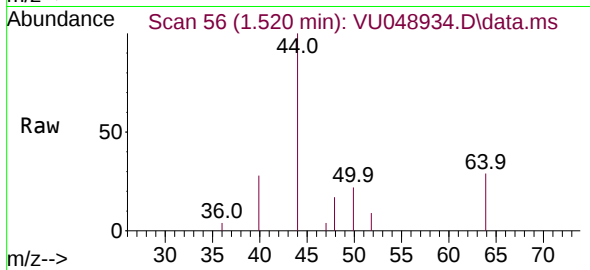




#3
Chloromethane
Concen: 0.202 ug/l
RT: 1.520 min Scan# 50
Delta R.T. -0.003 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

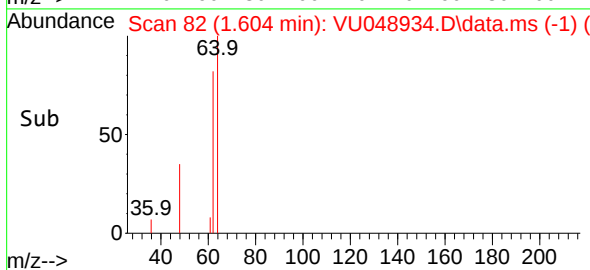
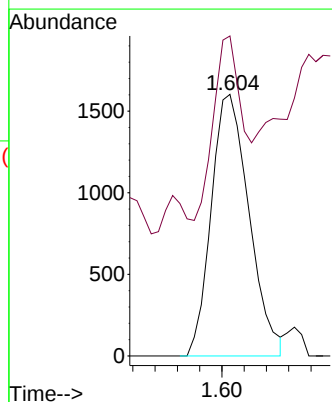
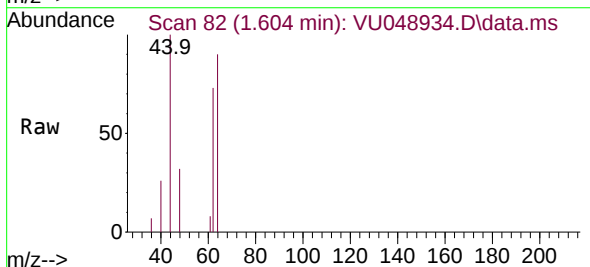
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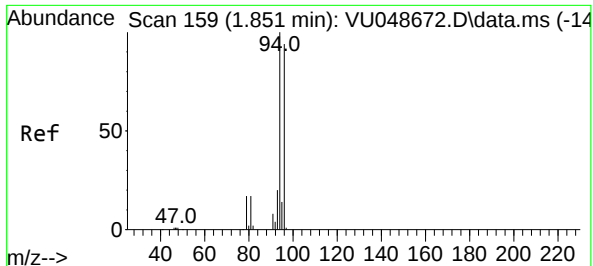
Tgt Ion: 50 Resp: 744
Ion Ratio Lower Upper
50 100
52 42.6 25.7 38.5#



#4
Vinyl Chloride
Concen: 0.554 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 62 Resp: 1893
Ion Ratio Lower Upper
62 100
64 64.1 25.2 37.8#

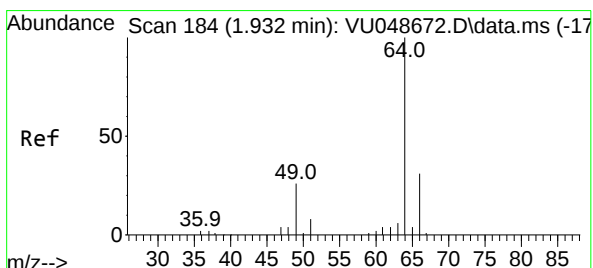
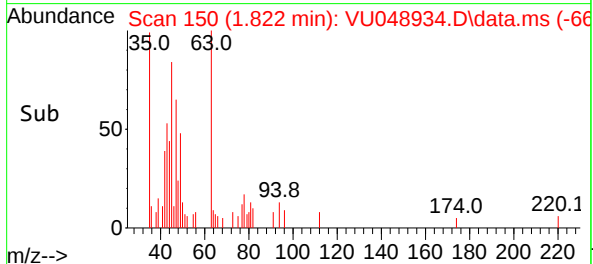
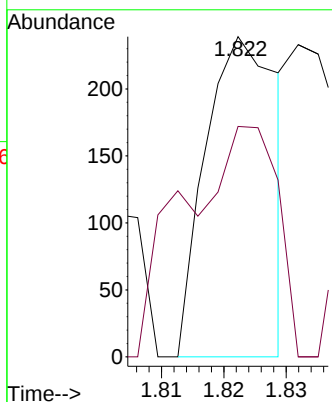
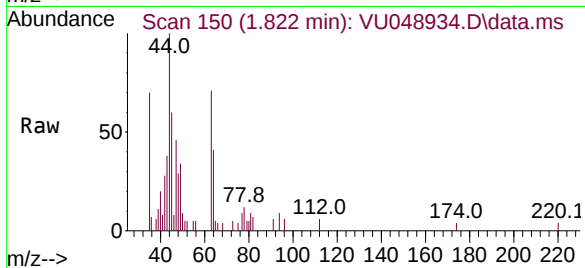




#5
Bromomethane
Concen: Below Cal
RT: 1.822 min Scan# 11
Delta R.T. -0.029 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

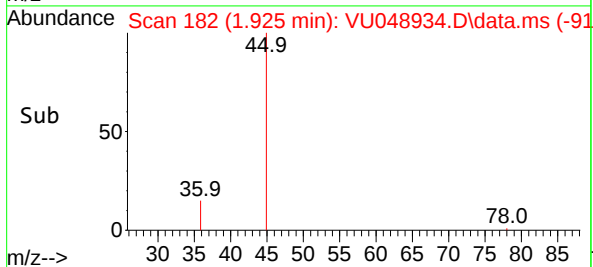
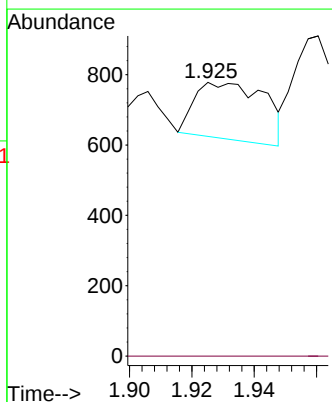
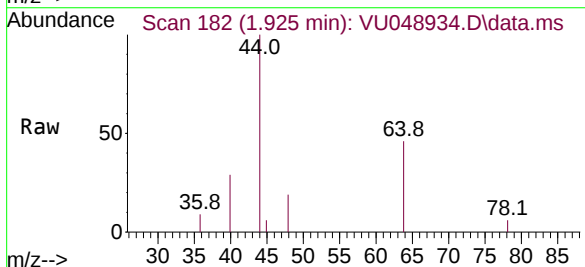
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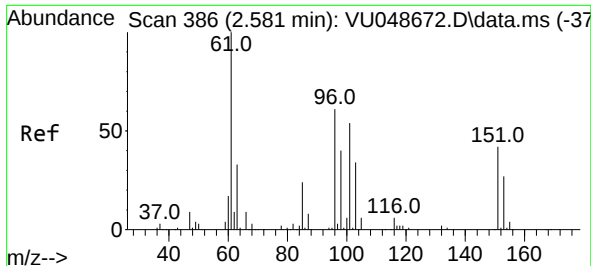
Tgt Ion: 94 Resp: 193
Ion Ratio Lower Upper
94 100
96 20.1 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.925 min Scan# 182
Delta R.T. -0.007 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 64 Resp: 251
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

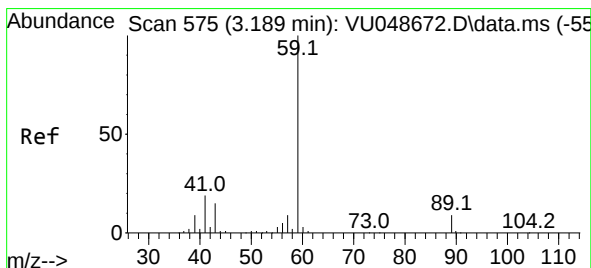
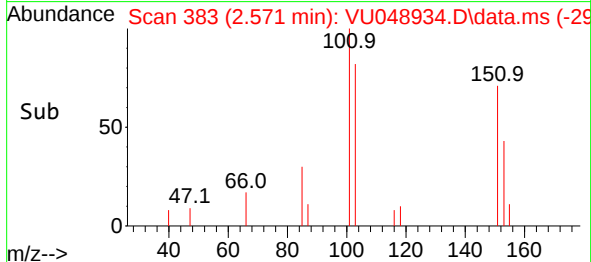
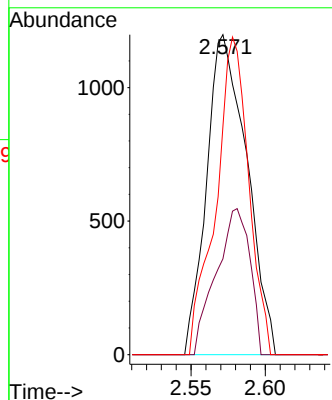
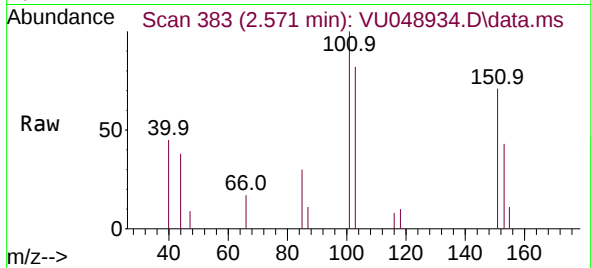




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.842 ug/l
RT: 2.571 min Scan# 386
Delta R.T. -0.010 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

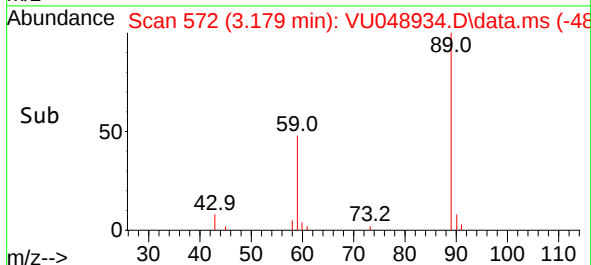
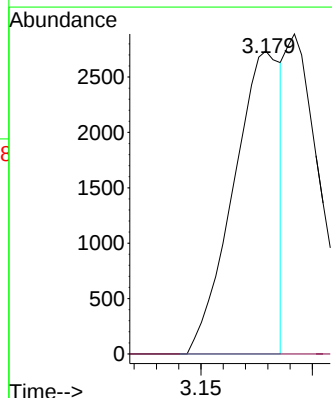
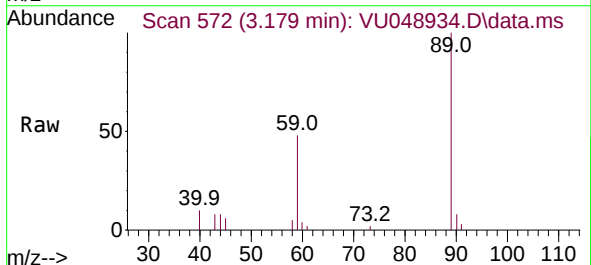
Instrument :
MSVOA_U
ClientSampleId :
40S-20220531

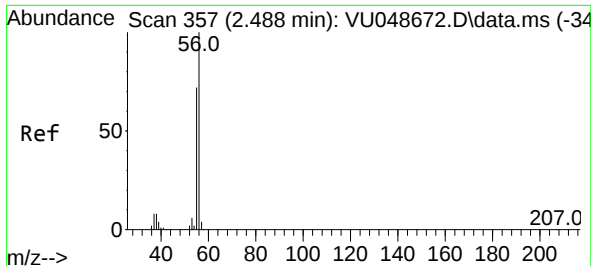
Tgt Ion:101 Resp: 2248
Ion Ratio Lower Upper
101 100
85 38.4 35.4 53.2
151 81.3 62.5 93.7



#11
Tert butyl alcohol
Concen: 4.224 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.010 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 59 Resp: 4025
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

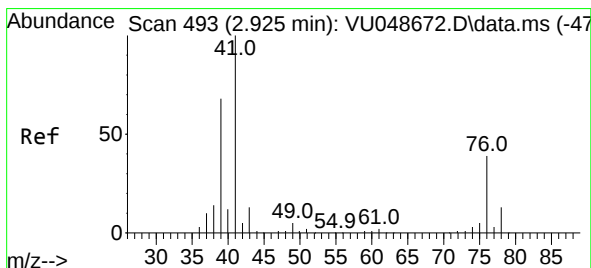
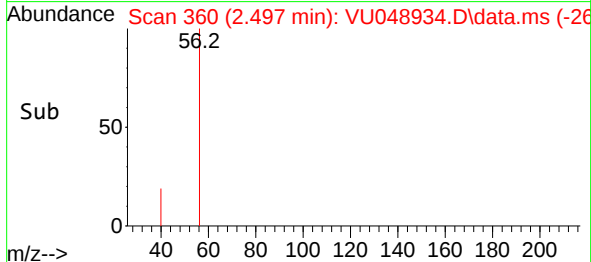
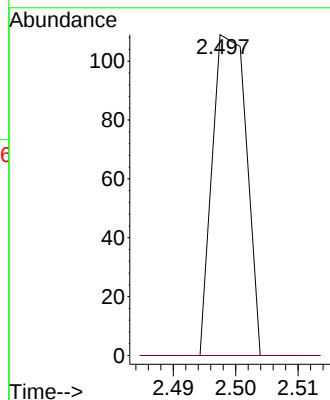
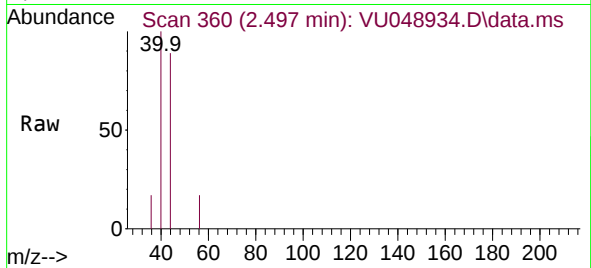




#13
Acrolein
Concen: Below Cal
RT: 2.497 min Scan# 30
Delta R.T. 0.009 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

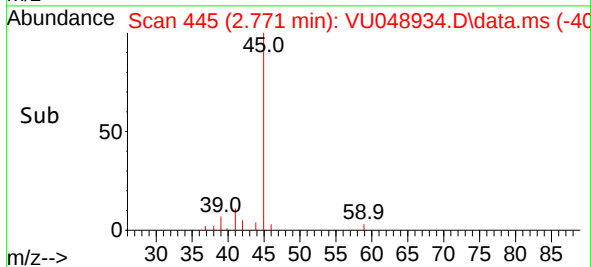
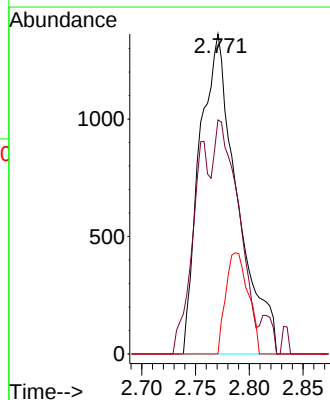
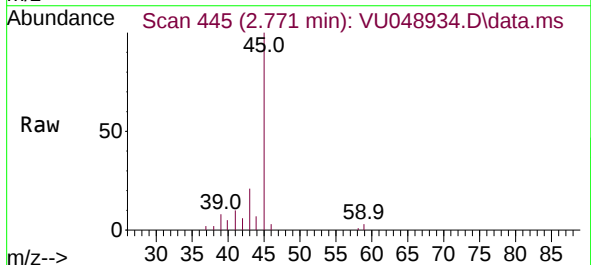
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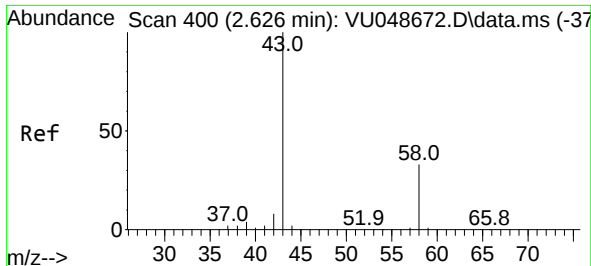
Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 95.1 57.7 86.5#



#14
Allyl chloride
Concen: 0.667 ug/l
RT: 2.771 min Scan# 445
Delta R.T. -0.154 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 41 Resp: 3290
Ion Ratio Lower Upper
41 100
39 49.1 48.6 72.8
76 18.9 27.0 40.4#

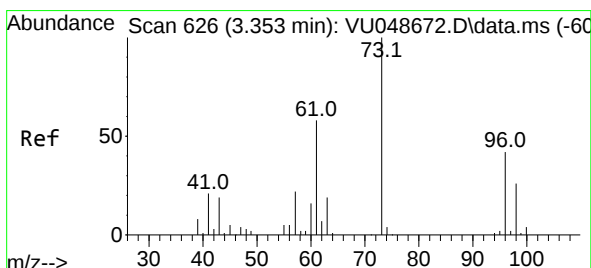
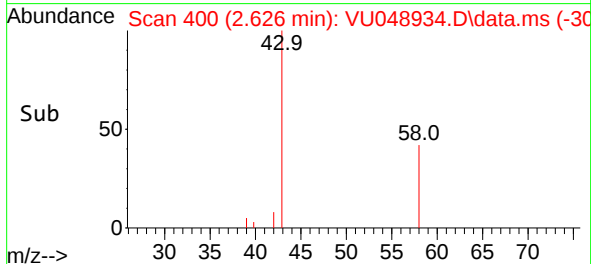
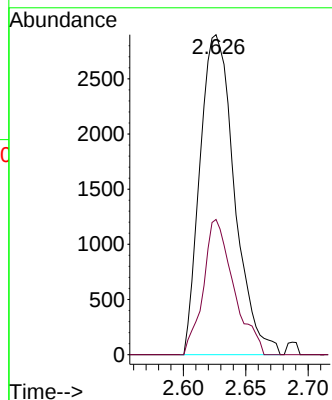
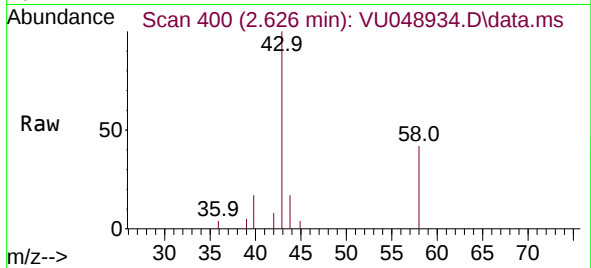




#16
Acetone
Concen: 2.914 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

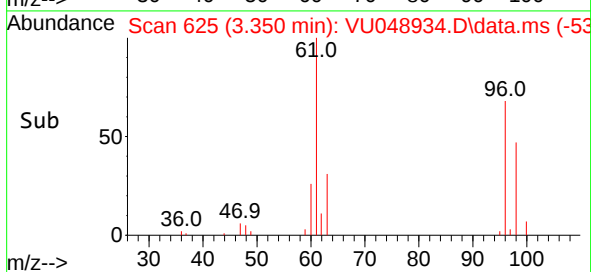
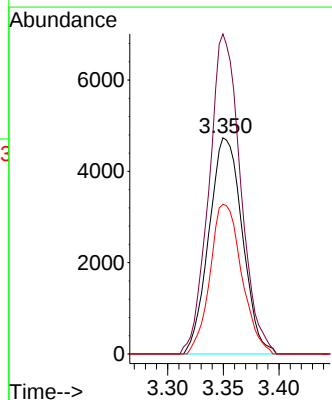
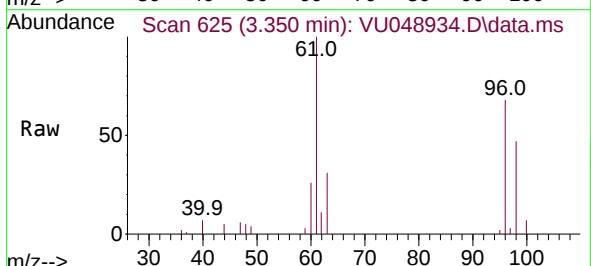
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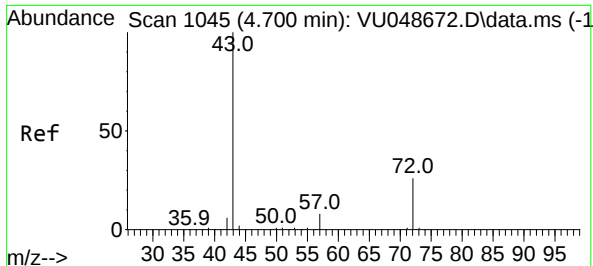
Tgt Ion: 43 Resp: 5582
Ion Ratio Lower Upper
43 100
58 42.3 26.3 39.5#



#21
trans-1,2-Dichloroethene
Concen: 3.387 ug/l
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 96 Resp: 9868
Ion Ratio Lower Upper
96 100
61 148.0 109.4 164.2
98 69.2 48.9 73.3

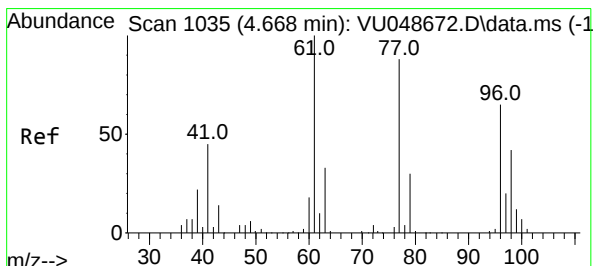
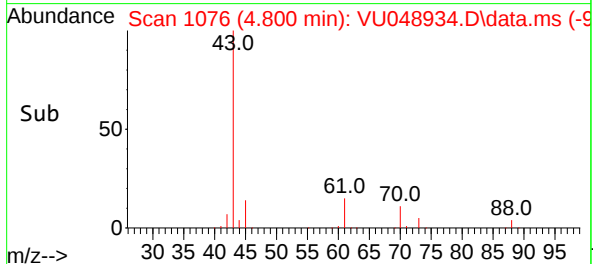
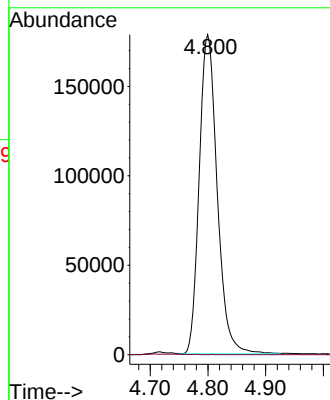
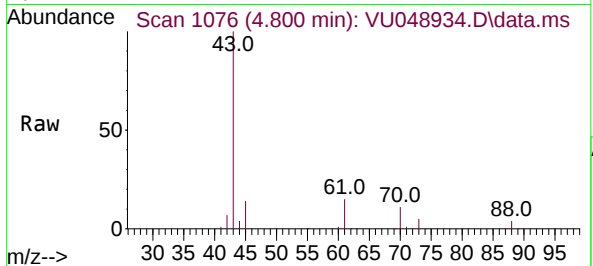




#25
2-Butanone
Concen: 140.535 ug/l
RT: 4.800 min Scan# 1045
Delta R.T. 0.100 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

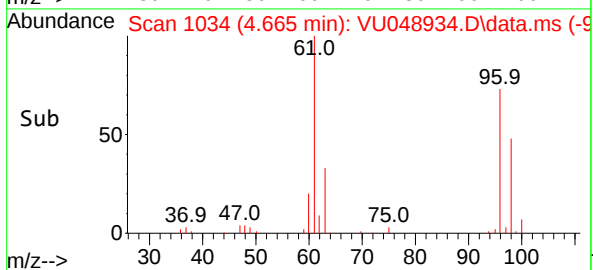
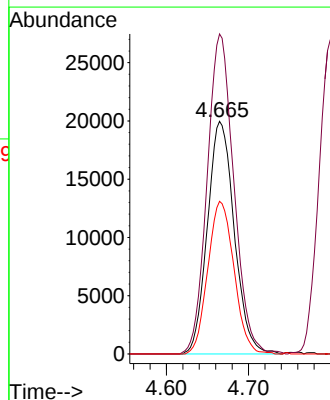
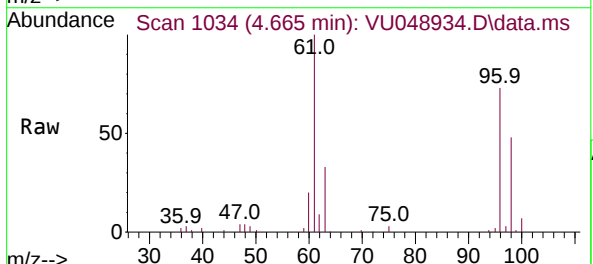
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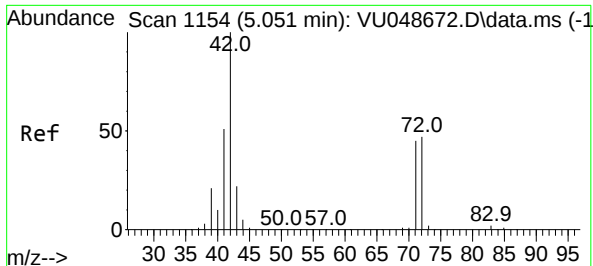
Tgt Ion: 43 Resp: 386674
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#27
cis-1,2-Dichloroethene
Concen: 13.484 ug/l
RT: 4.665 min Scan# 1034
Delta R.T. -0.003 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 96 Resp: 45470
Ion Ratio Lower Upper
96 100
61 136.8 0.0 306.2
98 63.8 0.0 130.4

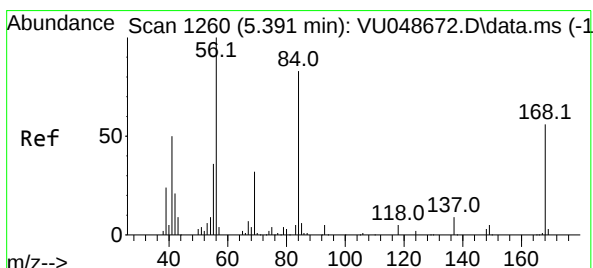
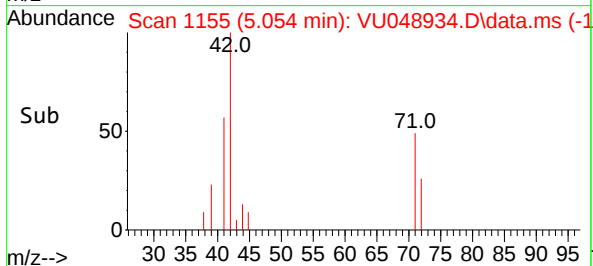
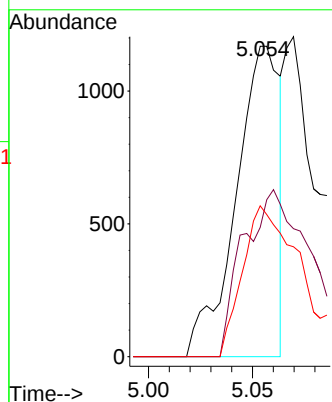
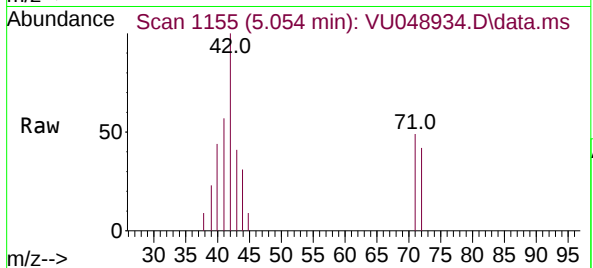




#29
Tetrahydrofuran
Concen: 0.986 ug/l
RT: 5.054 min Scan# 1155
Delta R.T. 0.003 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

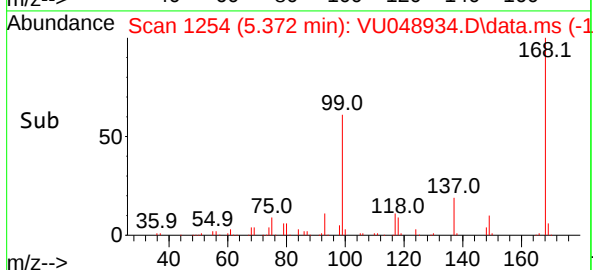
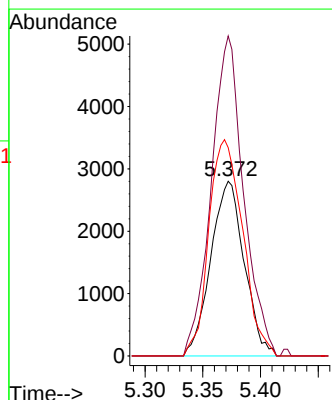
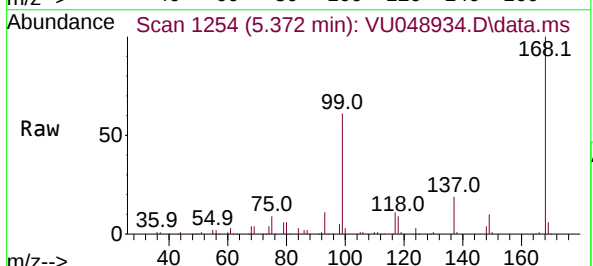
Instrument :
MSVOA_U
ClientSampleId :
40S-20220531

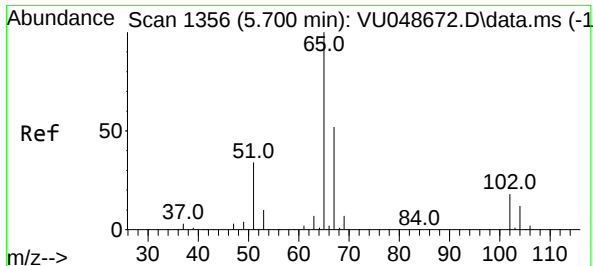
Tgt Ion: 42 Resp: 1709
Ion Ratio Lower Upper
42 100
72 79.7 37.6 56.4#
71 60.4 35.0 52.4#



#31
Cyclohexane
Concen: 1.191 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 56 Resp: 5639
Ion Ratio Lower Upper
56 100
69 183.2 25.6 38.4#
84 119.2 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.052 ug/l

RT: 5.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048934.D

Acq: 08 Jun 2022 01:26

Instrument :

MSVOA_U

ClientSampleId :

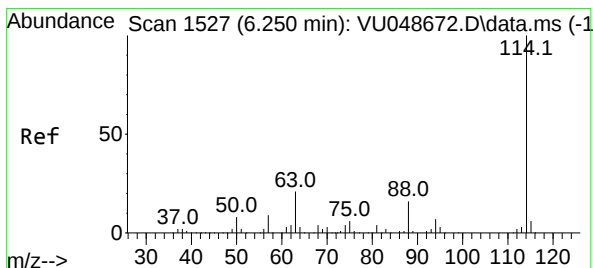
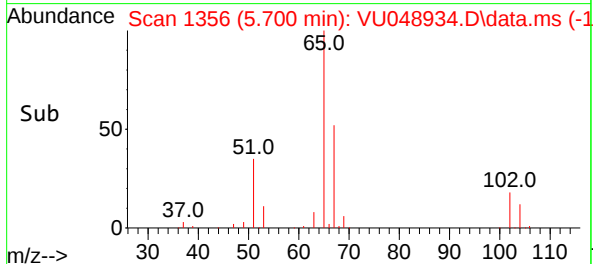
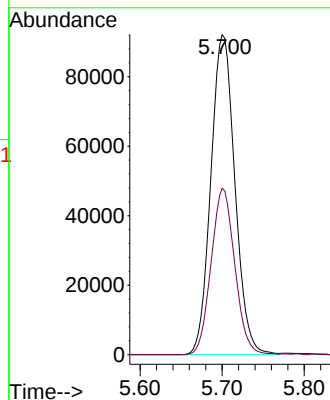
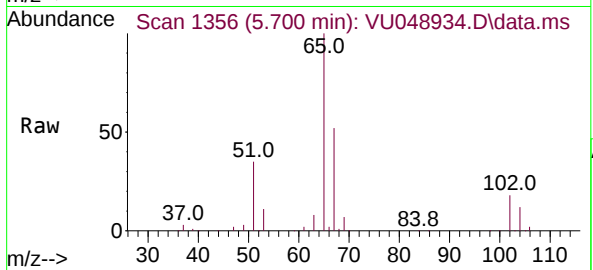
40S-20220531

Tgt Ion: 65 Resp: 188103

Ion Ratio Lower Upper

65 100

67 51.1 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: VU048934.D

Acq: 08 Jun 2022 01:26

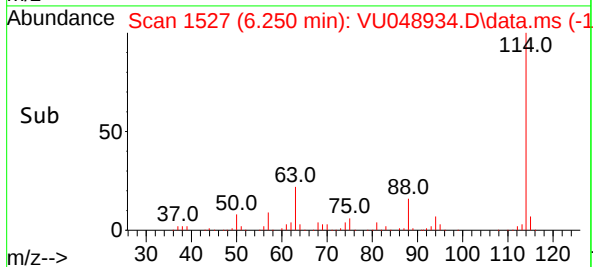
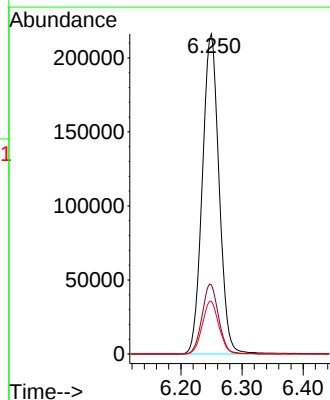
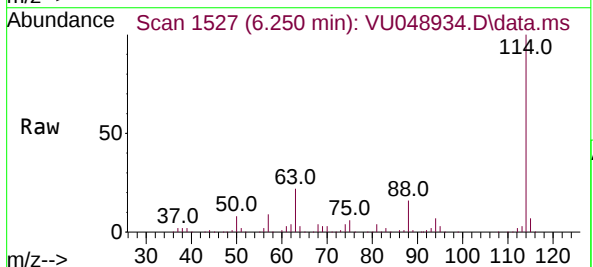
Tgt Ion: 114 Resp: 411035

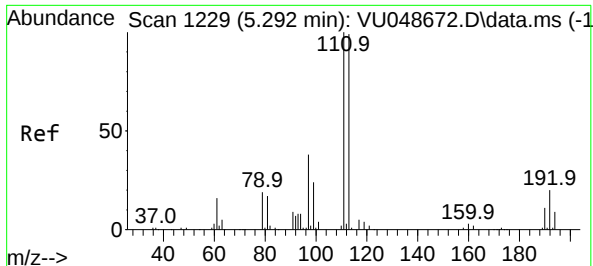
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.6

88 16.4 0.0 32.2

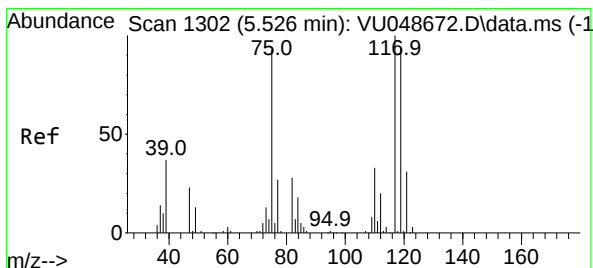
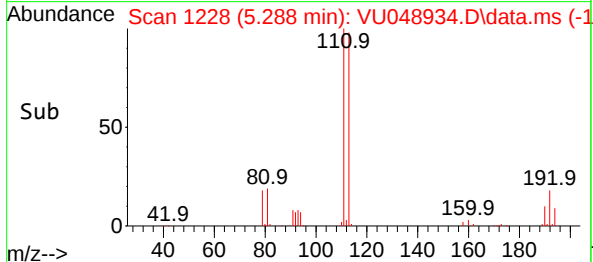
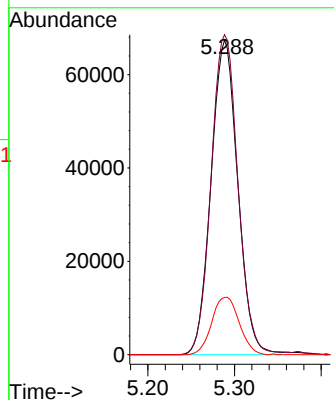
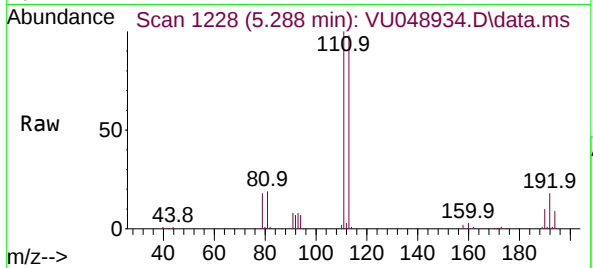




#35
Dibromofluoromethane
Concen: 49.152 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

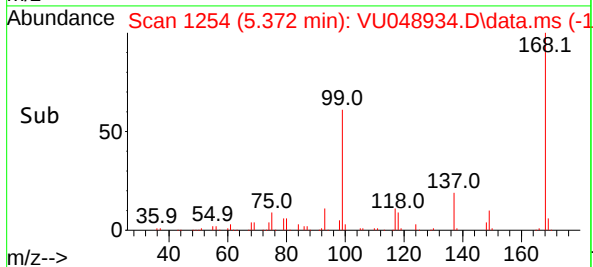
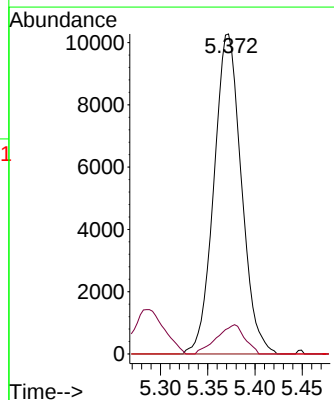
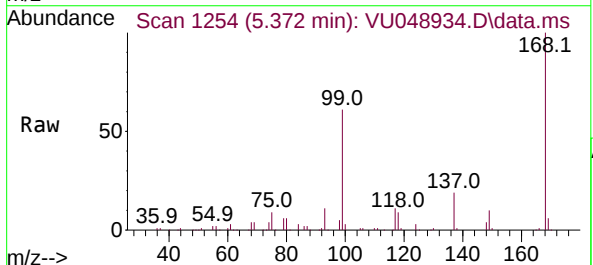
Instrument :
MSVOA_U
ClientSampleId :
40S-20220531

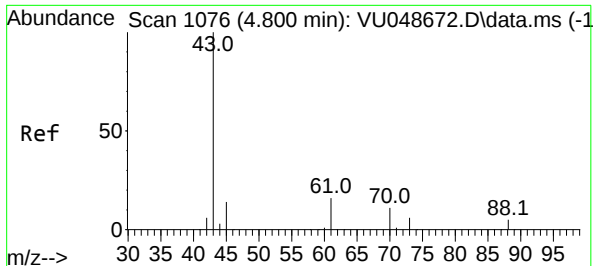
Tgt Ion:113 Resp: 144133
Ion Ratio Lower Upper
113 100
111 102.3 80.7 121.1
192 18.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.851 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 75 Resp: 20760
Ion Ratio Lower Upper
75 100
110 9.3 17.4 52.3#
77 0.0 24.8 37.2#

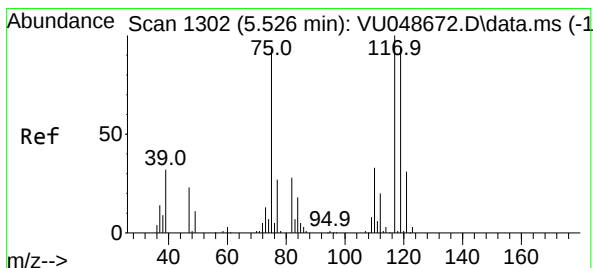
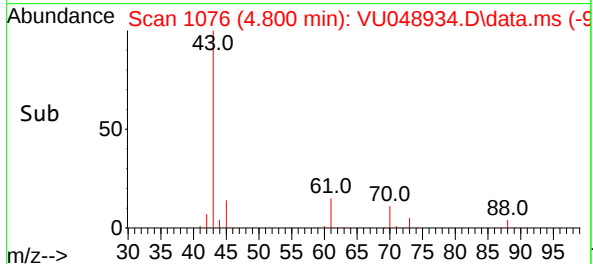
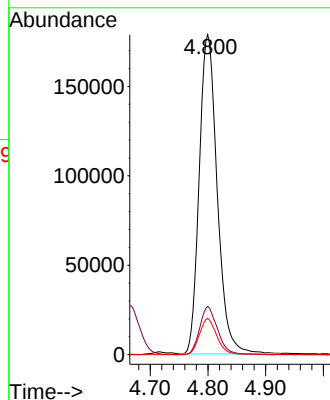
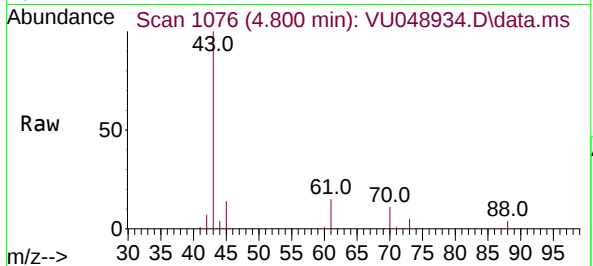




#37
Ethyl Acetate
Concen: 71.468 ug/l
RT: 4.800 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

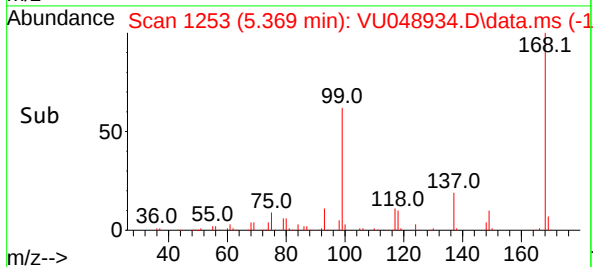
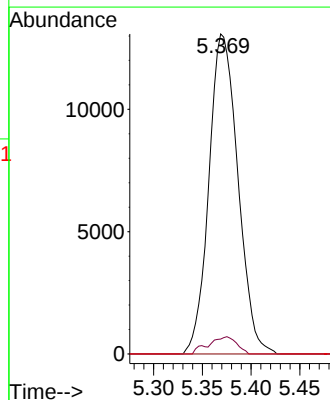
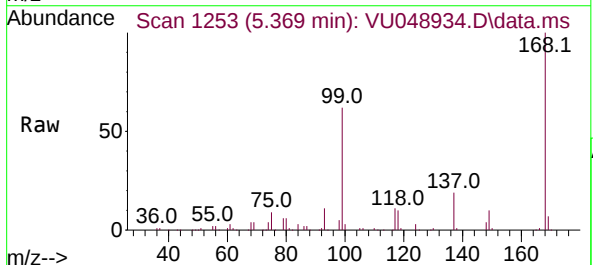
Instrument :
MSVOA_U
ClientSampleId :
40S-20220531

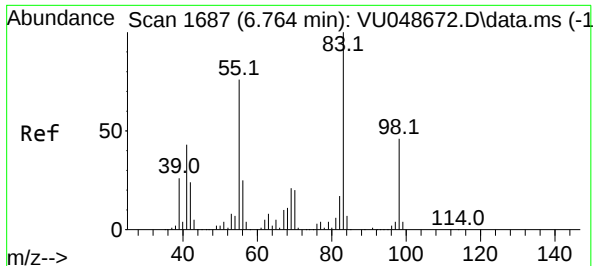
Tgt Ion: 43 Resp: 386674
Ion Ratio Lower Upper
43 100
61 15.0 11.7 17.5
70 11.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.518 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.158 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 117 Resp: 27096
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 24.6 36.8#





#39

Methylcyclohexane

Concen: 0.676 ug/l

RT: 6.542 min Scan# 1156

Delta R.T. -0.222 min

Lab File: VU048934.D

Acq: 08 Jun 2022 01:26

Instrument :

MSVOA_U

ClientSampleId :

40S-20220531

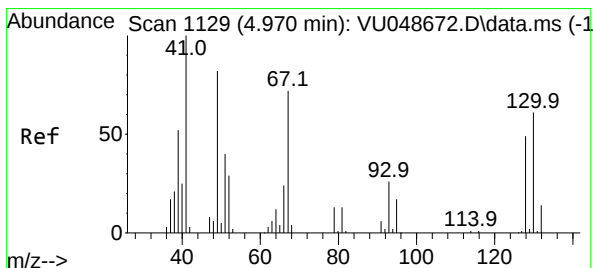
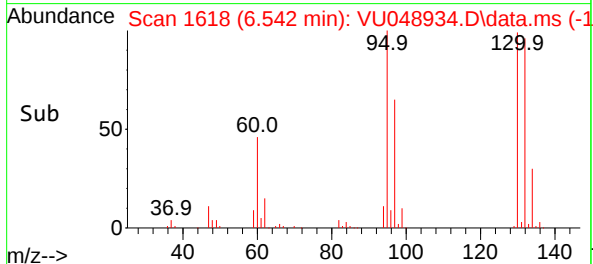
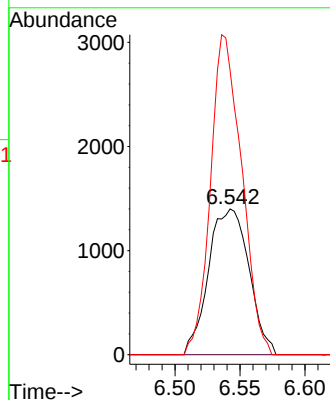
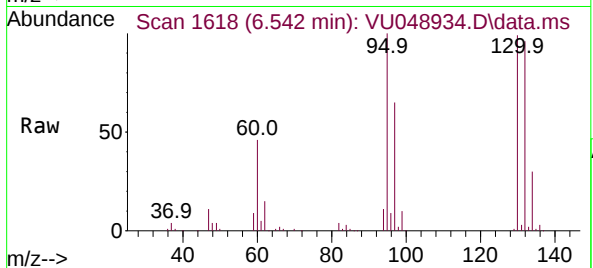
Tgt Ion: 83 Resp: 3035

Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.6#

98 194.7 36.8 55.2#



#41

Methacrylonitrile

Concen: 0.503 ug/l

RT: 5.057 min Scan# 1156

Delta R.T. 0.087 min

Lab File: VU048934.D

Acq: 08 Jun 2022 01:26

Tgt Ion: 41 Resp: 1375

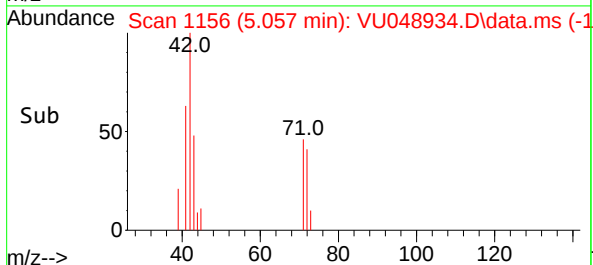
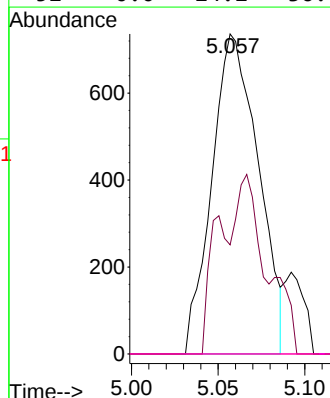
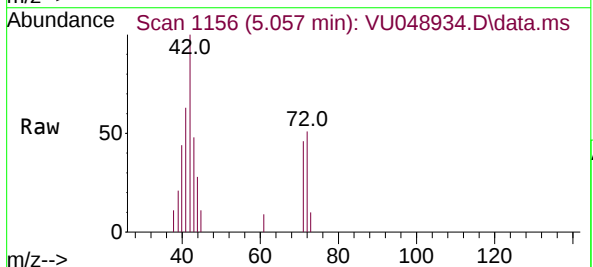
Ion Ratio Lower Upper

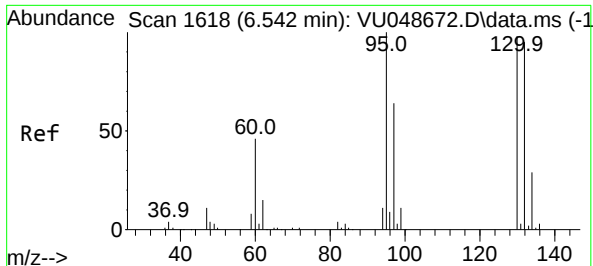
41 100

39 18.7 42.6 64.0#

67 0.0 61.0 91.4#

52 0.0 24.2 36.4#

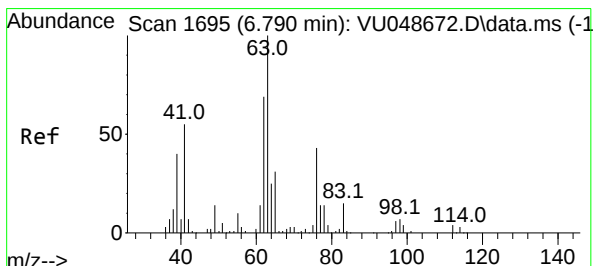
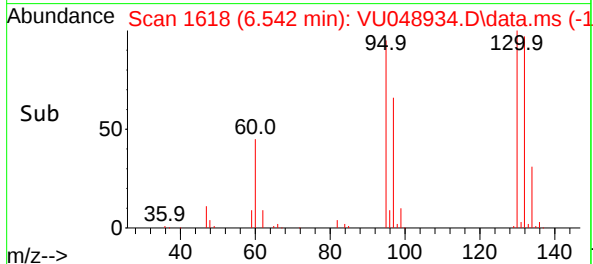
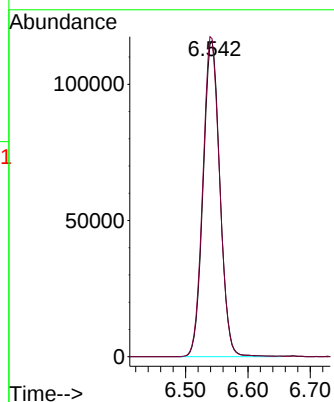
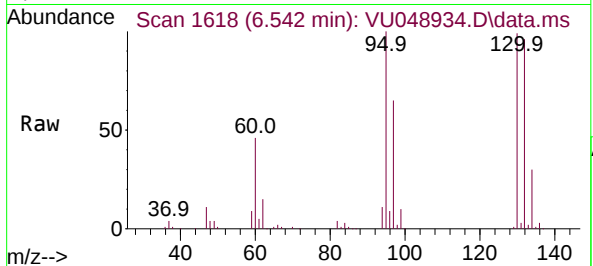




#44
Trichloroethene
Concen: 66.709 ug/l
RT: 6.542 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

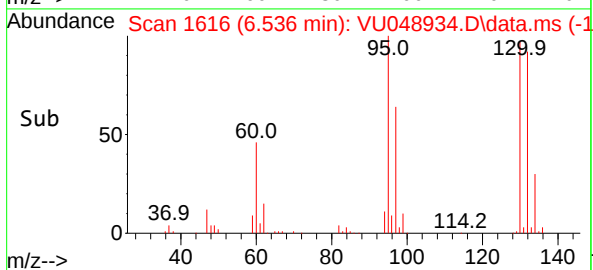
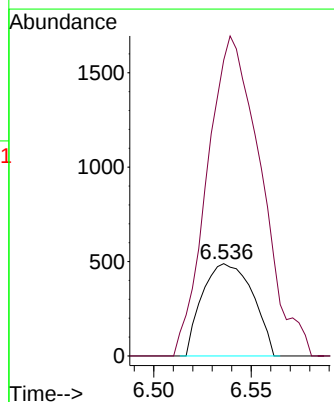
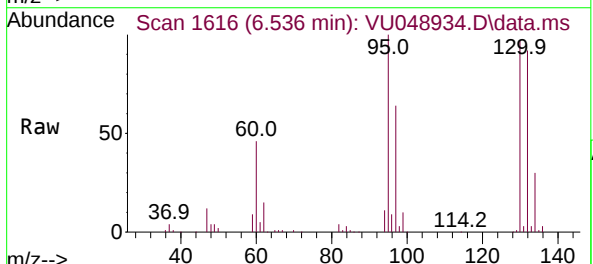
Instrument :
MSVOA_U
ClientSampleId :
40S-20220531

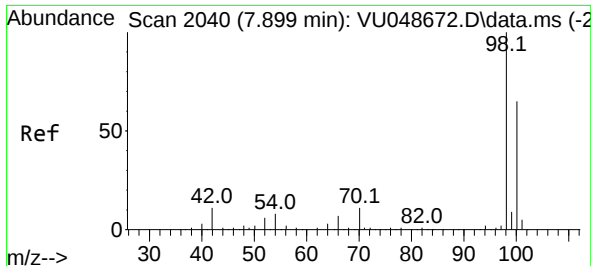
Tgt Ion:130 Resp: 217155
Ion Ratio Lower Upper
130 100
95 100.8 0.0 204.8



#45
1,2-Dichloropropane
Concen: 0.277 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. -0.254 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 63 Resp: 881
Ion Ratio Lower Upper
63 100
65 295.1 24.8 37.2#

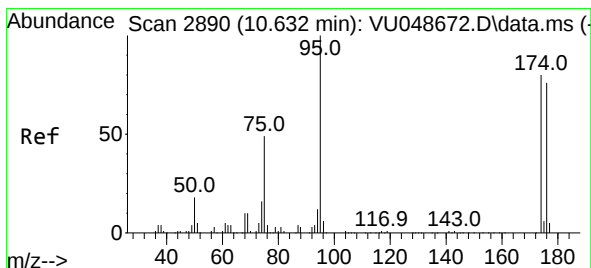
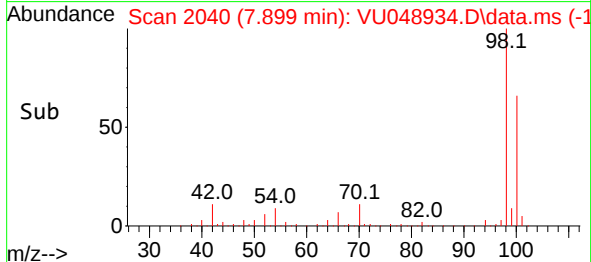
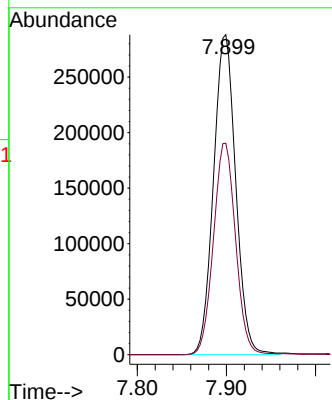
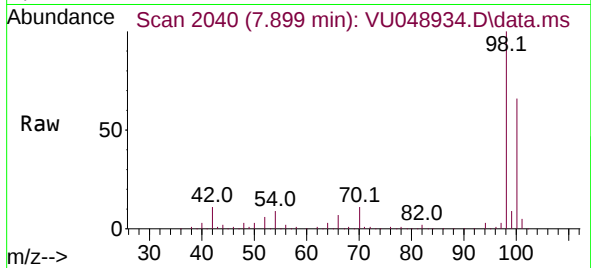




#50
Toluene-d8
Concen: 47.548 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

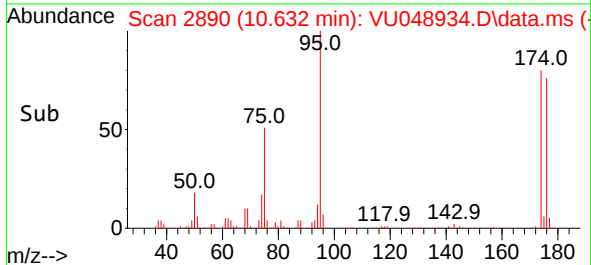
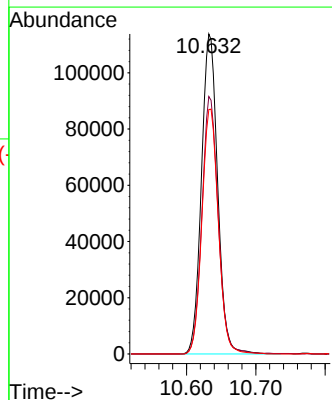
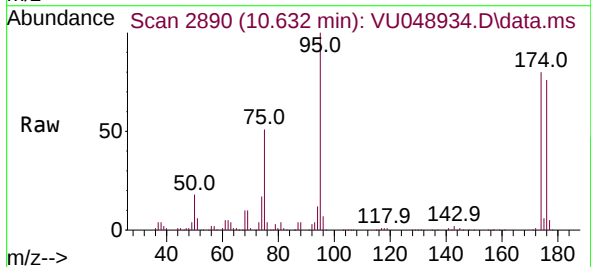
Instrument :
MSVOA_U
ClientSampleId :
40S-20220531

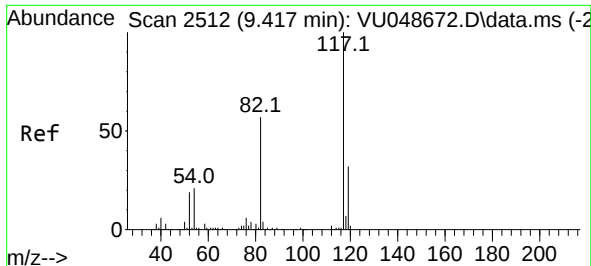
Tgt Ion: 98 Resp: 499804
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 46.473 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 95 Resp: 184749
Ion Ratio Lower Upper
95 100
174 80.5 0.0 159.4
176 77.6 0.0 152.4

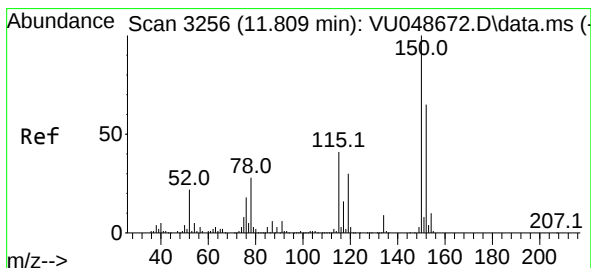
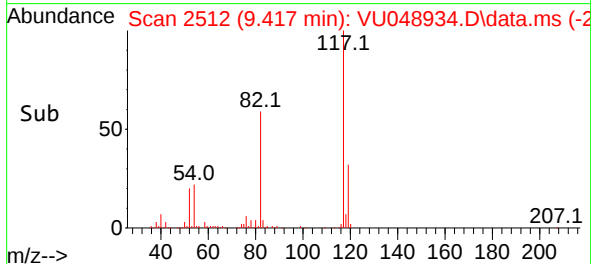
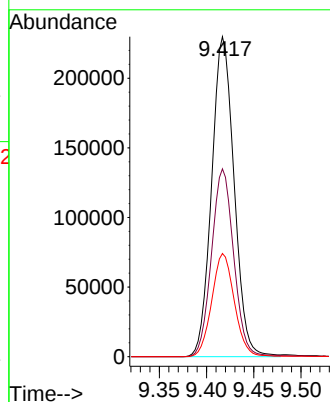
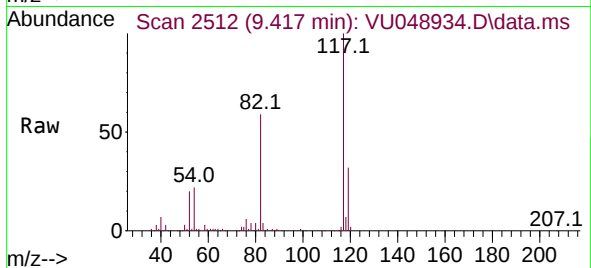




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

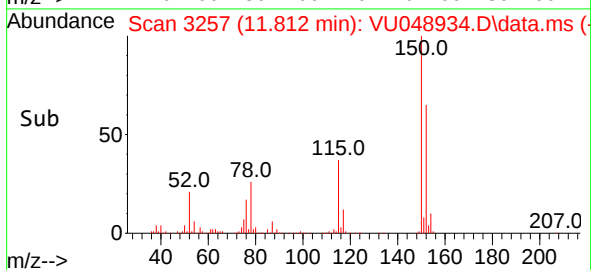
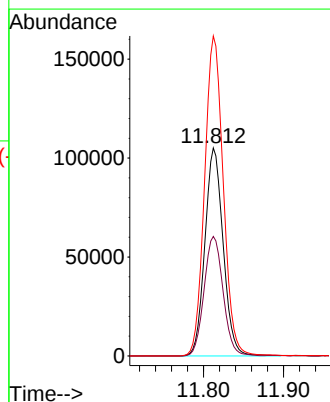
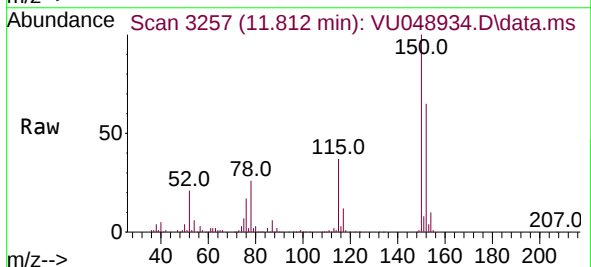
Instrument :
MSVOA_U
ClientSampleId :
40S-20220531

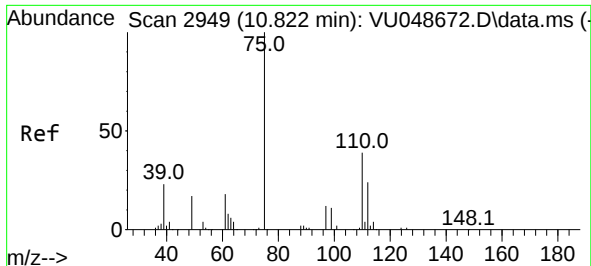
Tgt Ion:117 Resp: 380099
Ion Ratio Lower Upper
117 100
82 58.7 45.3 67.9
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion:152 Resp: 167409
Ion Ratio Lower Upper
152 100
115 59.7 41.8 125.4
150 157.2 0.0 341.0

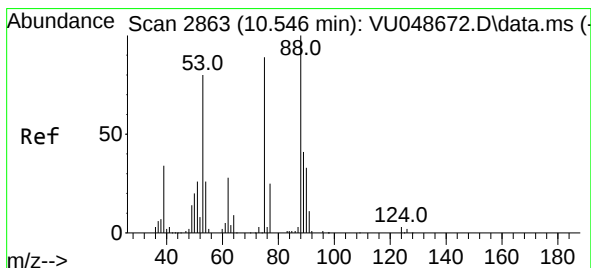
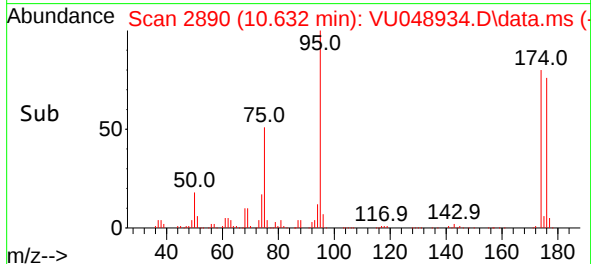
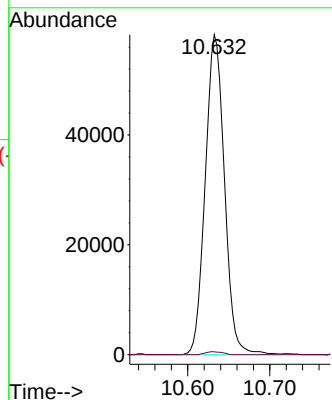
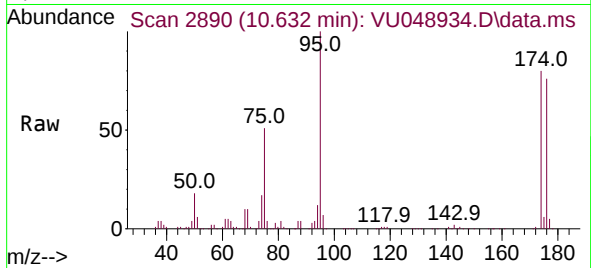




#76
1,2,3-Trichloropropane
Concen: 17.553 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

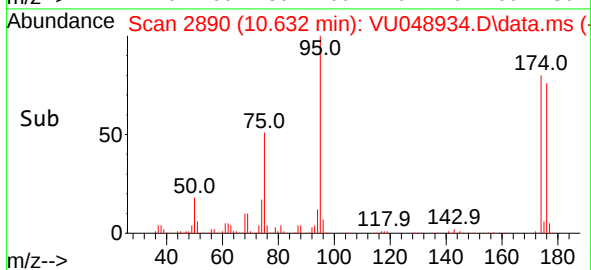
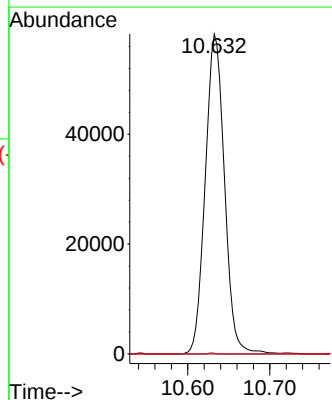
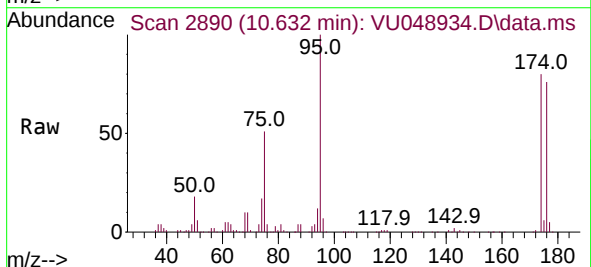
Instrument :
MSVOA_U
ClientSampleId :
40S-20220531

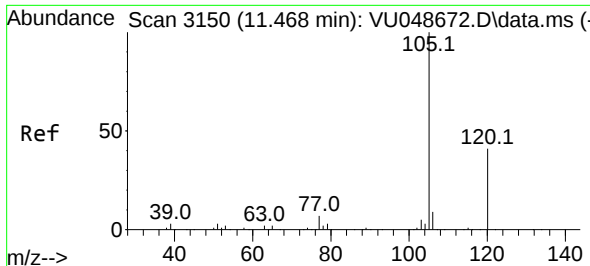
Tgt Ion: 75 Resp: 94745
Ion Ratio Lower Upper
75 100
77 0.8 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.732 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 75 Resp: 94745
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

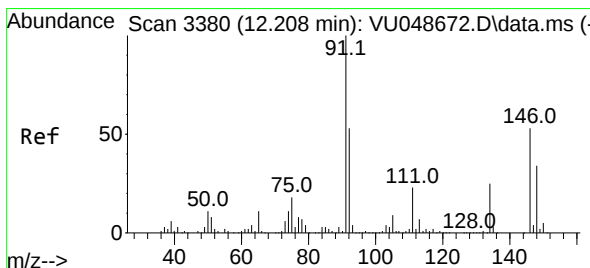
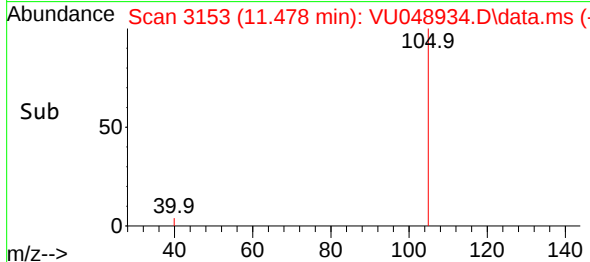
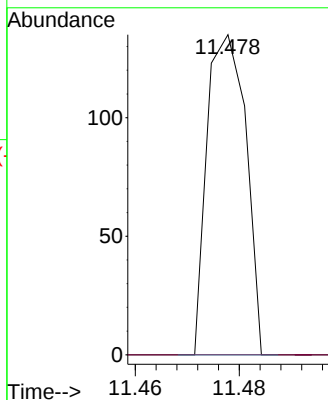
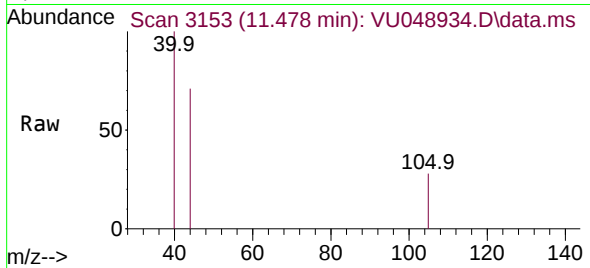




#84
1,2,4-Trimethylbenzene
Concen: 1.194 ug/l
RT: 11.478 min Scan# 3153
Delta R.T. 0.010 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

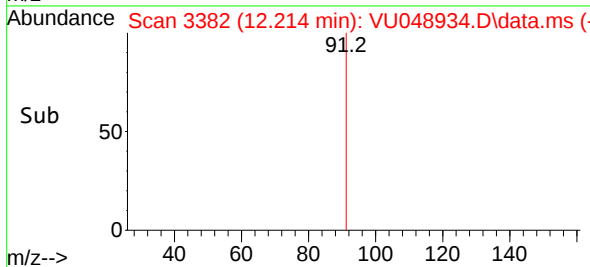
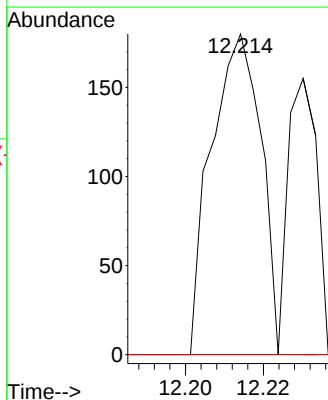
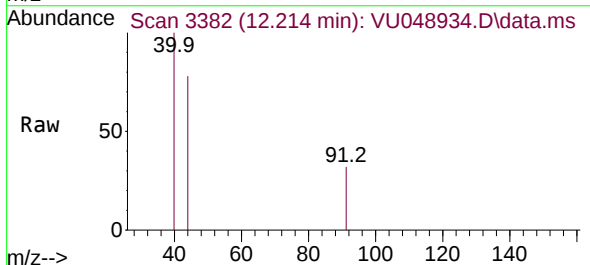
Instrument :
MSVOA_U
ClientSampleId :
40S-20220531

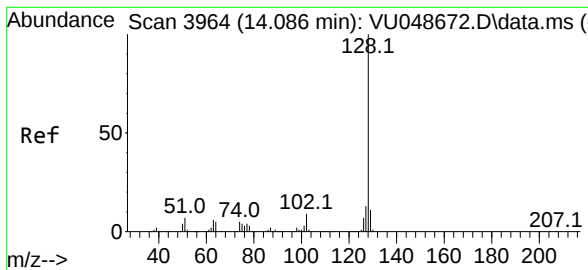
Tgt Ion:105 Resp: 70
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#



#89
n-Butylbenzene
Concen: 2.201 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.006 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Tgt Ion: 91 Resp: 159
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95
Naphthalene
Concen: 2.633 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.016 min
Lab File: VU048934.D
Acq: 08 Jun 2022 01:26

Instrument : MSVOA_U
ClientSampleId : 40S-20220531

Tgt Ion:	128	Resp:	1392
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	3.7	8.7	13.1#

