

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110521\
 Data File : VU045564.D
 Acq On : 05 Nov 2021 17:20
 Operator : SY/MD
 Sample : M4454-06
 Misc : 1.15g/10.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 33104

Quant Time: Nov 05 18:31:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

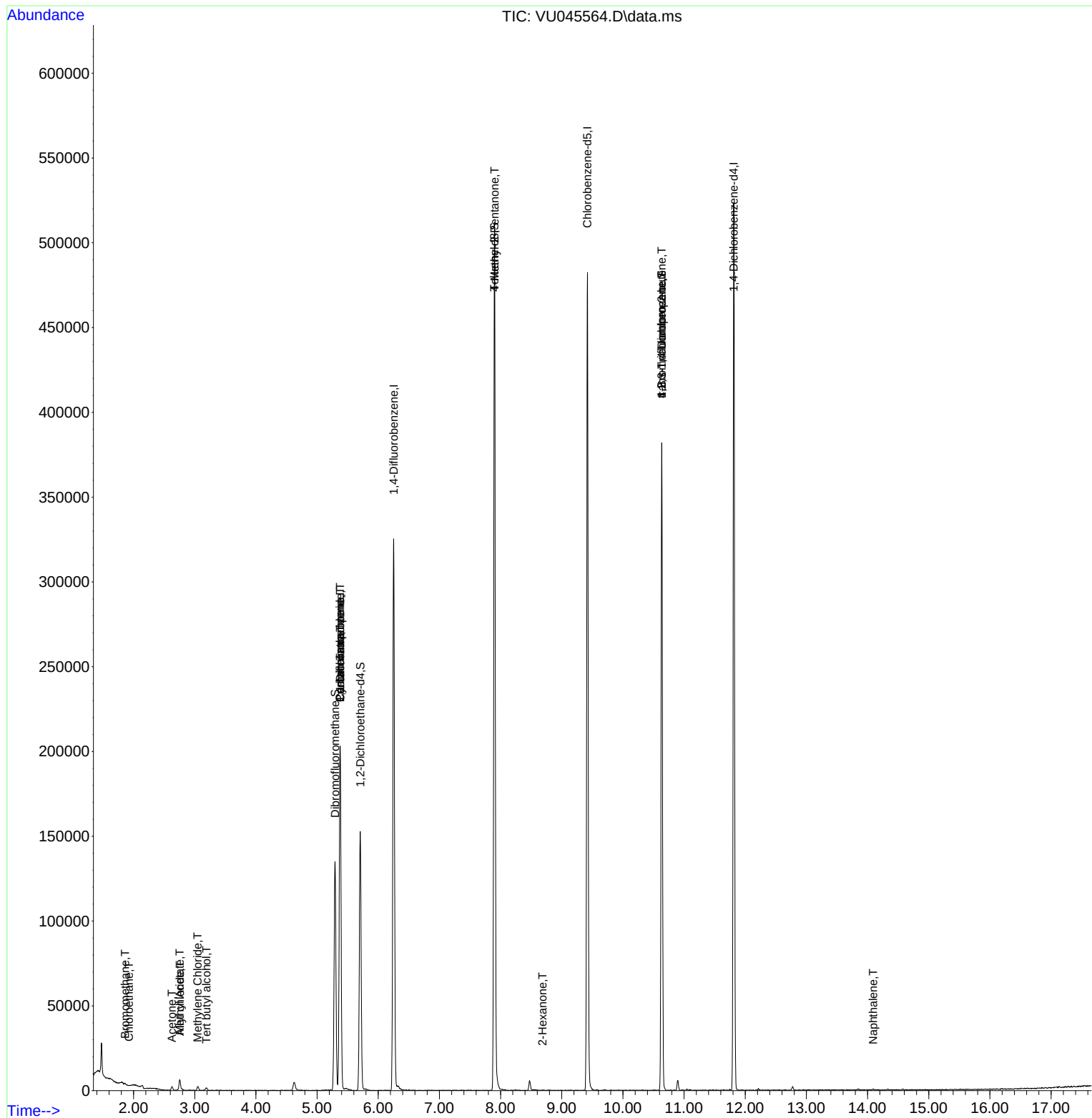
Internal Standards						
1) Pentafluorobenzene	5.375	168	134896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	255156	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	257713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	129292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	113098	55.983	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.960%	
35) Dibromofluoromethane	5.295	113	86687	50.886	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.780%	
50) Toluene-d8	7.899	98	337834	53.332	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.660%	
62) 4-Bromofluorobenzene	10.635	95	126845	49.936	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.880%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.861	94	353	0.325	ug/l	86
6) Chloroethane	1.925	64	331	0.260	ug/l #	41
11) Tert butyl alcohol	3.189	59	1098	2.746	ug/l #	72
14) Allyl chloride	2.758	41	576	0.217	ug/l #	63
16) Acetone	2.626	43	2536	2.466	ug/l	98
18) Methyl Acetate	2.755	43	1608	0.459	ug/l #	50
20) Methylene Chloride	3.047	84	1212	0.678	ug/l	89
31) Cyclohexane	5.375	56	3009	1.021	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	11788	4.738	ug/l #	50
38) Carbon Tetrachloride	5.375	117	15045	5.998	ug/l #	15
51) 4-Methyl-2-Pentanone	7.902	43	1367	0.474	ug/l #	1
59) 2-Hexanone	8.687	43	71	7.562	ug/l #	21
76) 1,2,3-Trichloropropane	10.635	75	67091	17.111	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	67091	55.693	ug/l #	12
95) Naphthalene	14.092	128	694	1.094	ug/l #	69

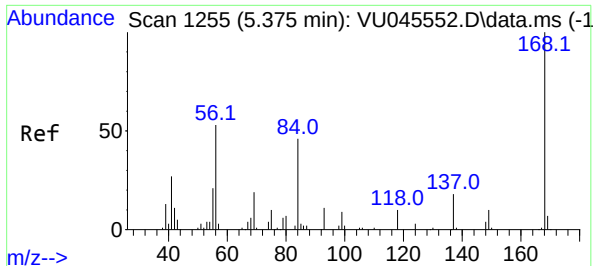
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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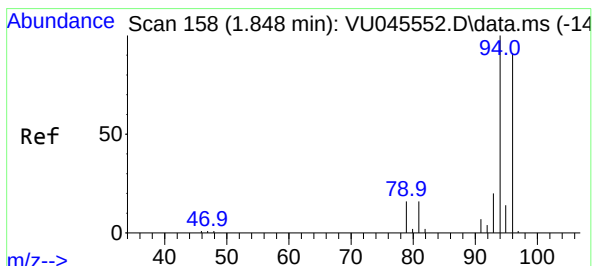
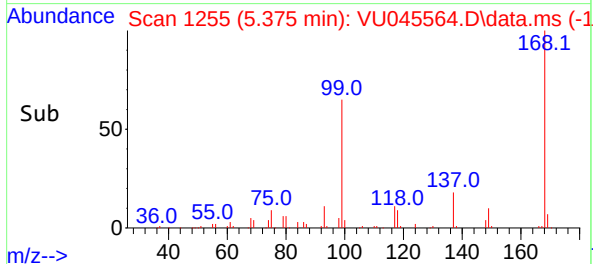
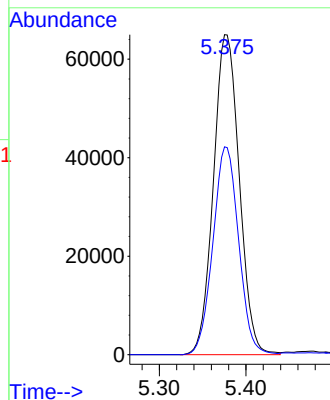
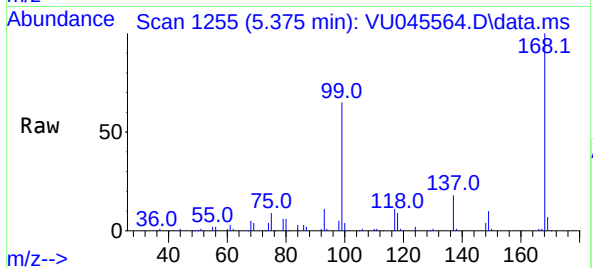




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

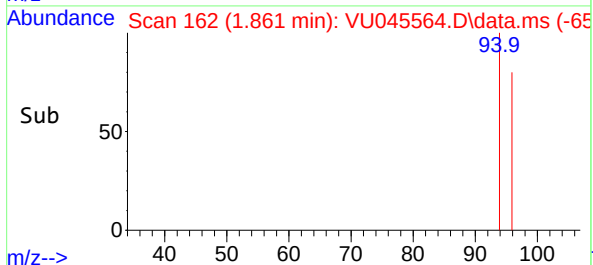
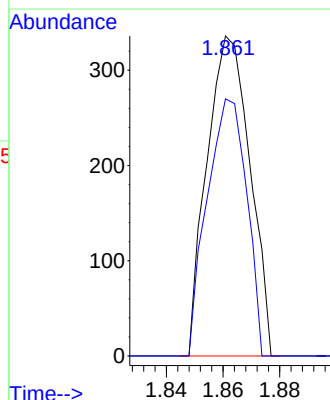
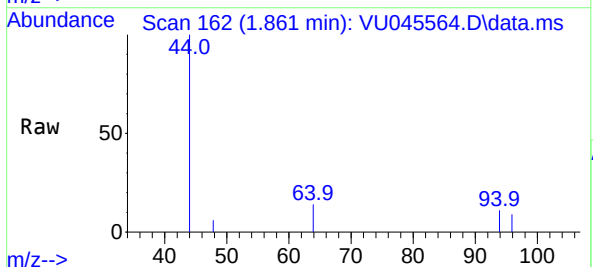
Instrument :
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33104

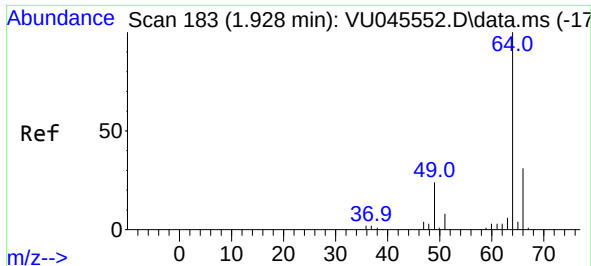
Tgt Ion:168 Resp: 134896
Ion Ratio Lower Upper
168 100
99 65.0 51.0 76.6



#5
Bromomethane
Concen: 0.325 ug/l
RT: 1.861 min Scan# 162
Delta R.T. 0.013 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

Tgt Ion: 94 Resp: 353
Ion Ratio Lower Upper
94 100
96 80.4 75.4 113.2

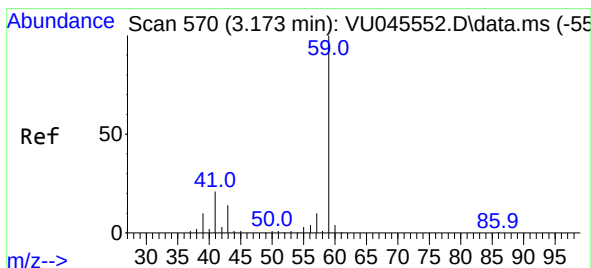
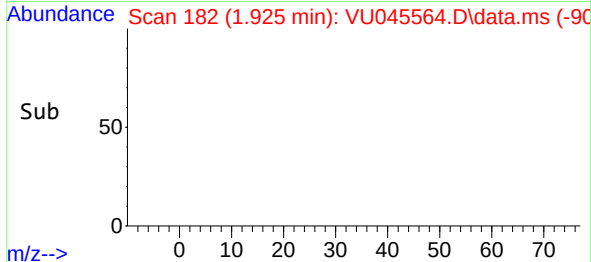
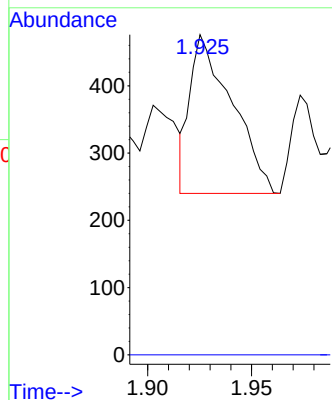
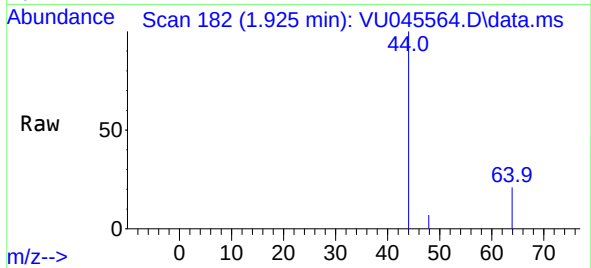




#6
Chloroethane
Concen: 0.260 ug/l
RT: 1.925 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

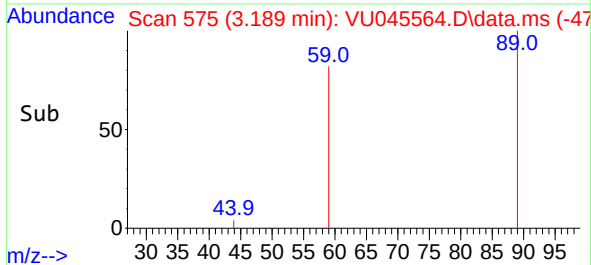
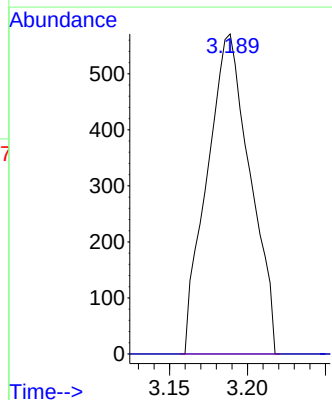
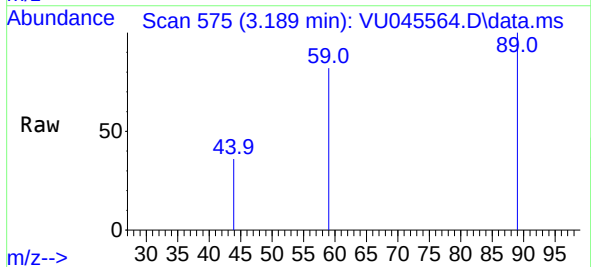
Instrument :
MSVOA_U
ClientSampleId :
33104

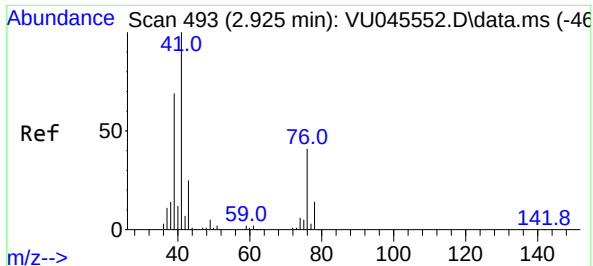
Tgt Ion: 64 Resp: 331
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#11
Tert butyl alcohol
Concen: 2.746 ug/l
RT: 3.189 min Scan# 575
Delta R.T. 0.016 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

Tgt Ion: 59 Resp: 1098
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

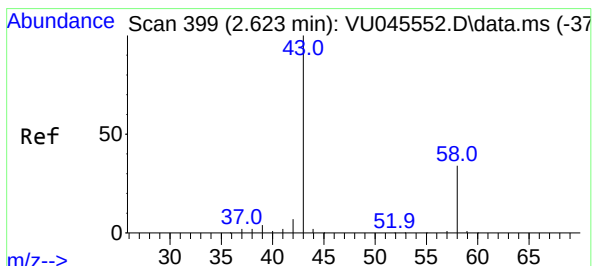
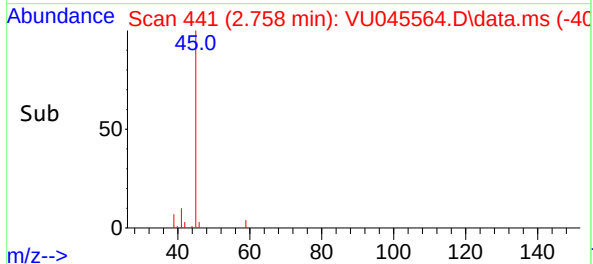
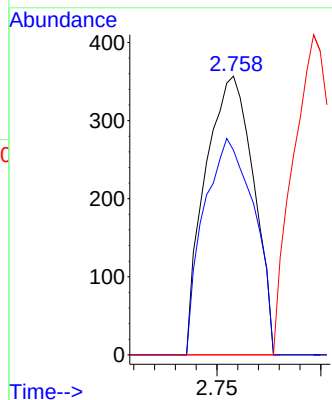
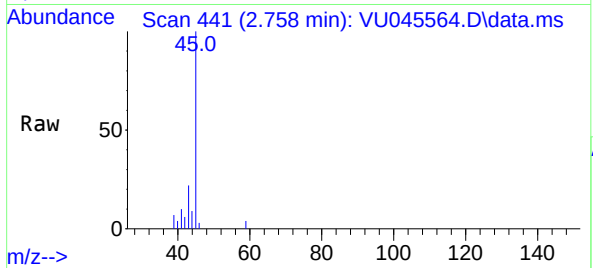




#14
Allyl chloride
Concen: 0.217 ug/l
RT: 2.758 min Scan# 41
Delta R.T. -0.167 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

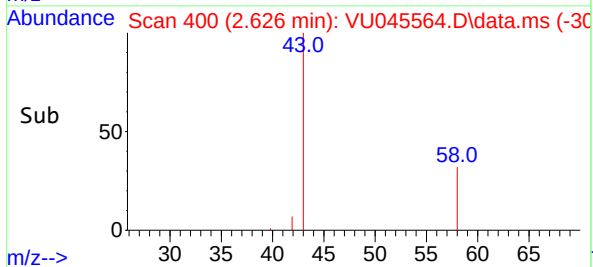
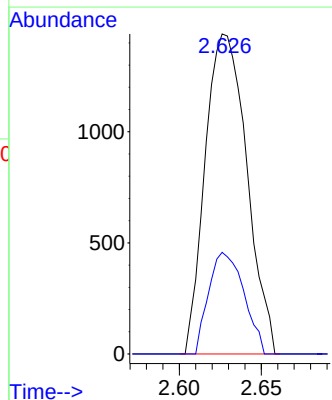
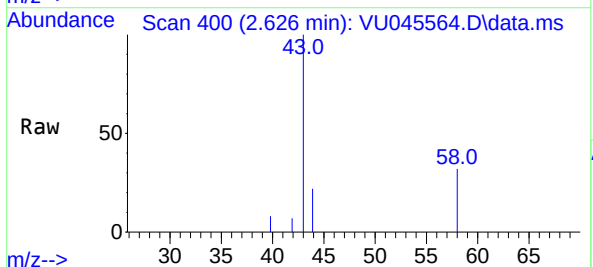
Instrument :
MSVOA_U
ClientSampleId :
33104

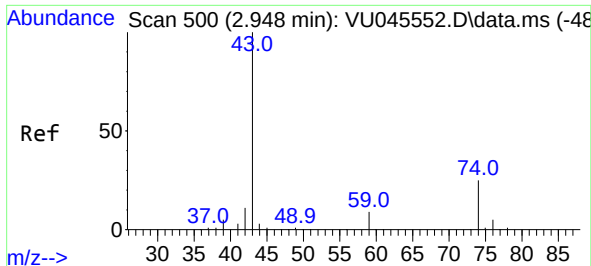
Tgt Ion: 41 Resp: 576
Ion Ratio Lower Upper
41 100
39 80.7 49.7 74.5#
76 0.0 27.7 41.5#



#16
Acetone
Concen: 2.466 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

Tgt Ion: 43 Resp: 2536
Ion Ratio Lower Upper
43 100
58 31.7 26.2 39.2

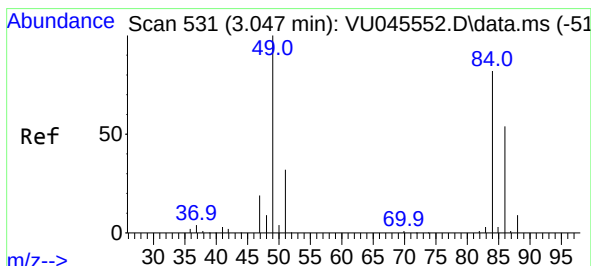
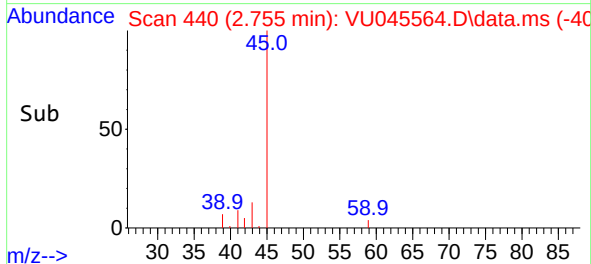
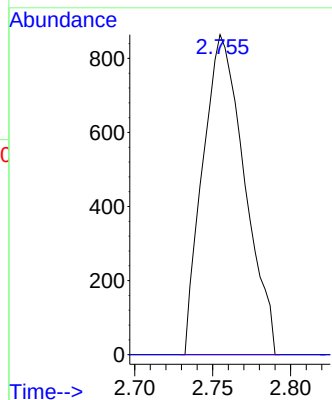
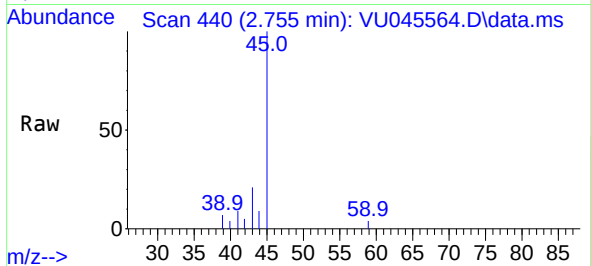




#18
Methyl Acetate
Concen: 0.459 ug/l
RT: 2.755 min Scan# 44
Delta R.T. -0.193 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

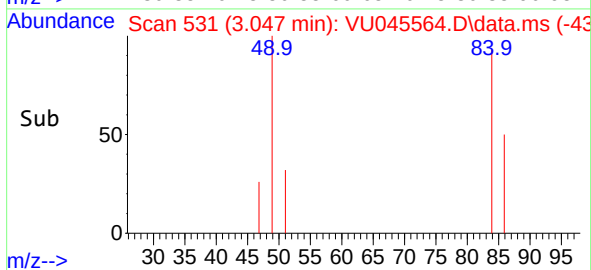
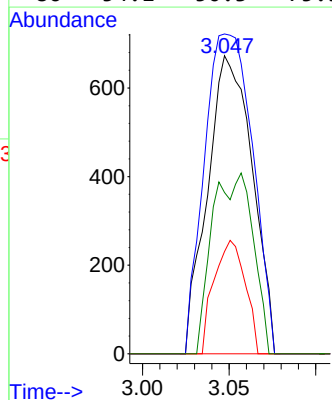
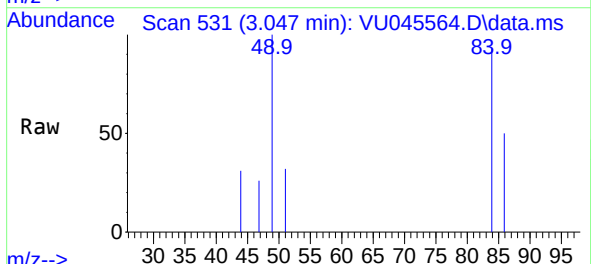
Instrument :
MSVOA_U
ClientSampleId :
33104

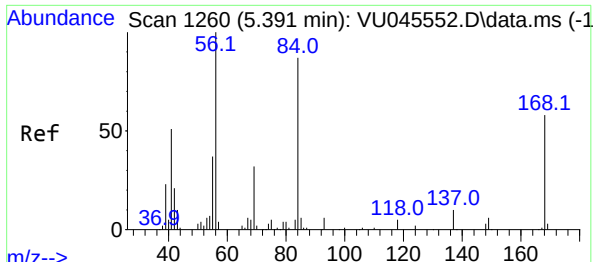
Tgt Ion: 43 Resp: 1608
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 0.678 ug/l
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

Tgt Ion: 84 Resp: 1212
Ion Ratio Lower Upper
84 100
49 107.3 96.4 144.6
51 34.3 30.5 45.7
86 54.1 50.3 75.5





#31

Cyclohexane

Concen: 1.021 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.016 min

Lab File: VU045564.D

Acq: 05 Nov 2021 17:20

Instrument :

MSVOA_U

ClientSampleId :

33104

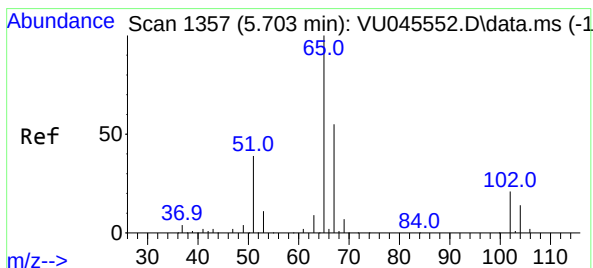
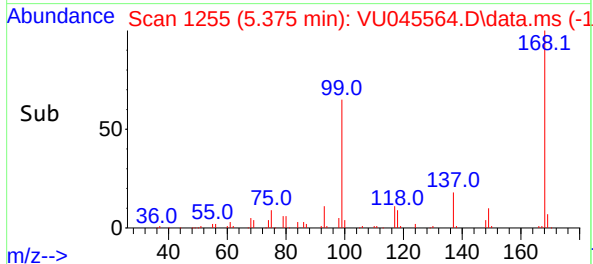
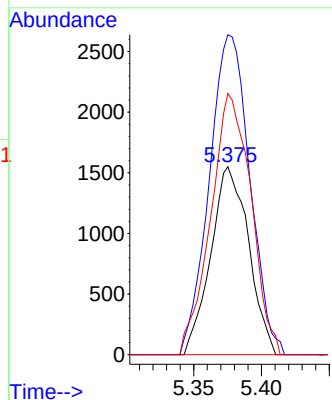
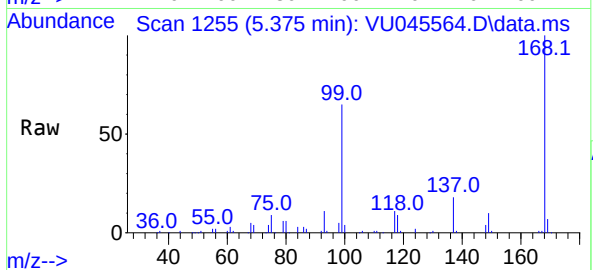
Tgt Ion: 56 Resp: 3009

Ion Ratio Lower Upper

56 100

69 170.3 26.4 39.6#

84 138.9 68.4 102.6#



#33

1,2-Dichloroethane-d4

Concen: 55.983 ug/l

RT: 5.706 min Scan# 1358

Delta R.T. 0.003 min

Lab File: VU045564.D

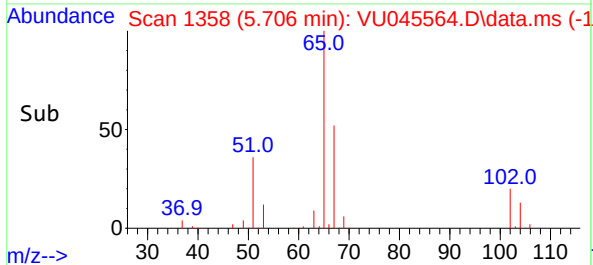
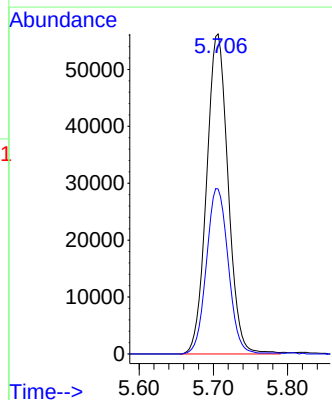
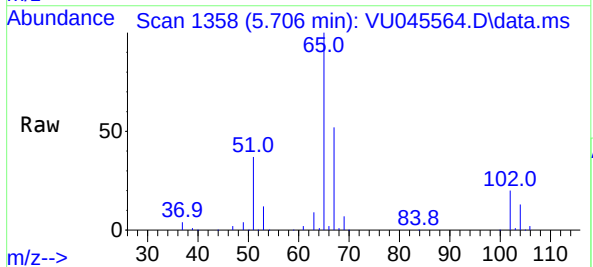
Acq: 05 Nov 2021 17:20

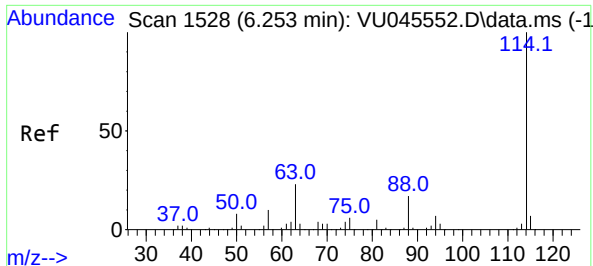
Tgt Ion: 65 Resp: 113098

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.8

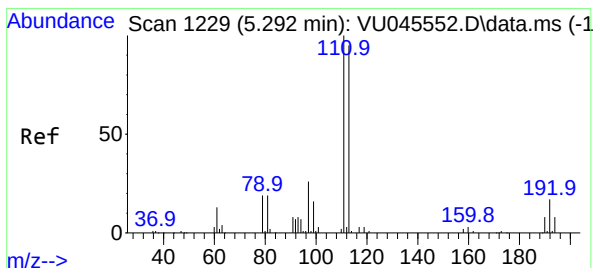
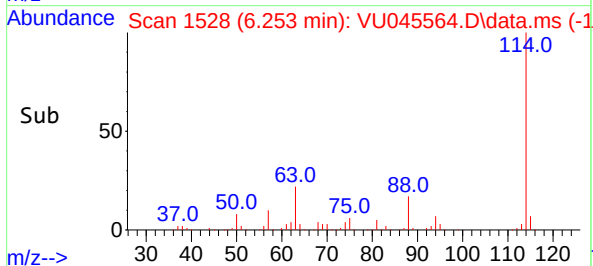
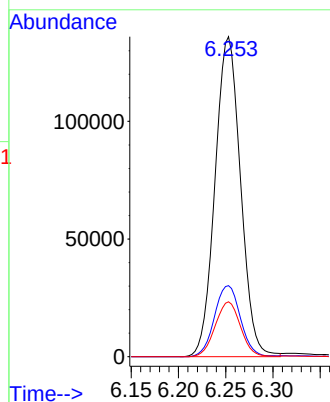
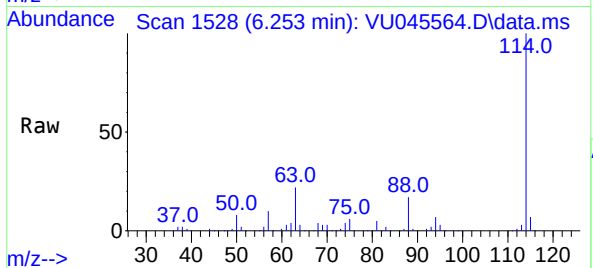




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

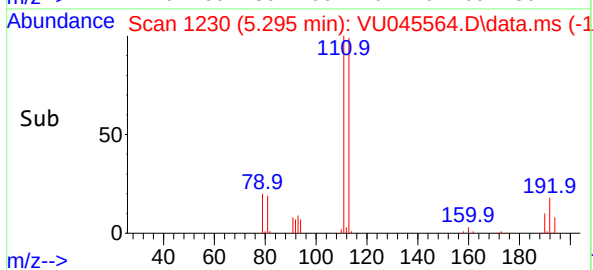
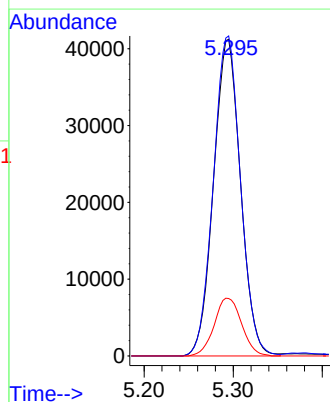
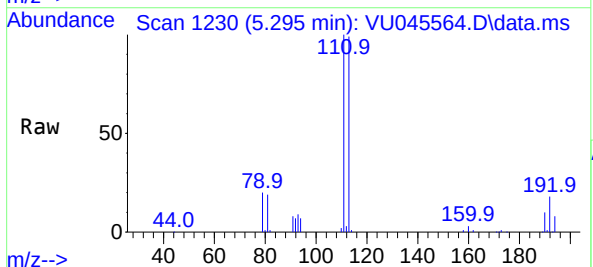
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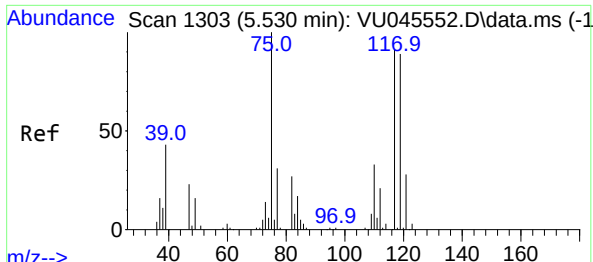
Tgt Ion:114 Resp: 255156
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.6
88 17.2 0.0 33.8



#35
Dibromofluoromethane
Concen: 50.886 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.003 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

Tgt Ion:113 Resp: 86687
Ion Ratio Lower Upper
113 100
111 101.8 82.8 124.2
192 18.6 14.8 22.2

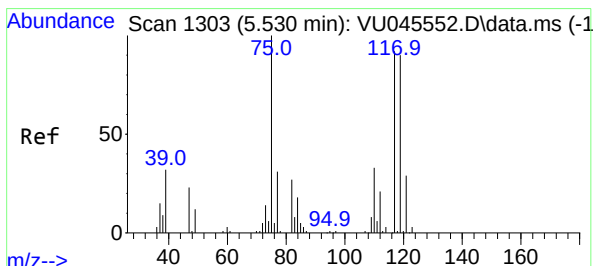
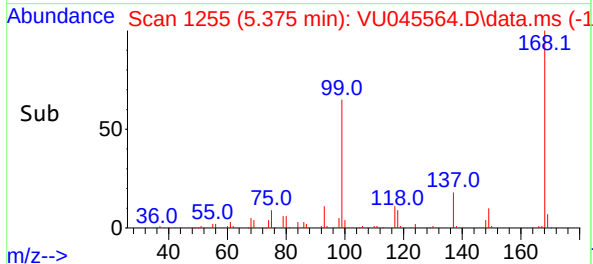
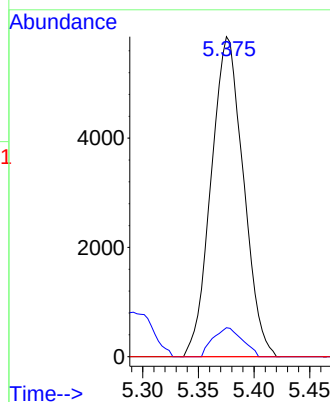
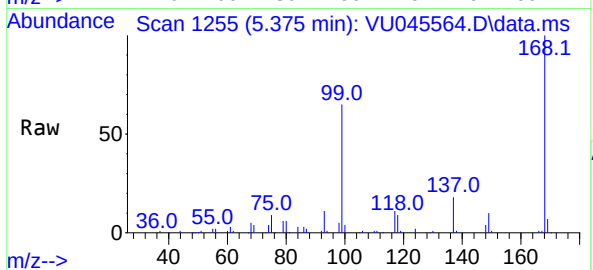




#36
1,1-Dichloropropene
Concen: 4.738 ug/l
RT: 5.375 min Scan# 11788
Delta R.T. -0.154 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

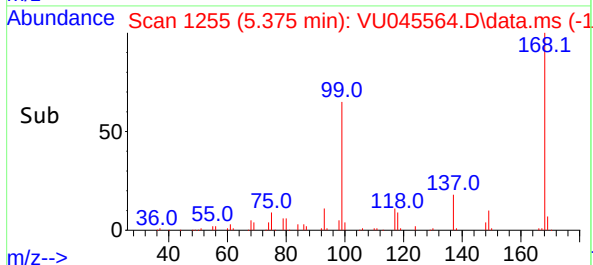
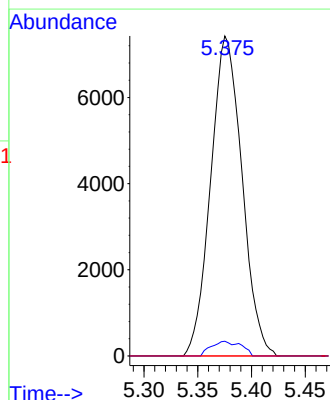
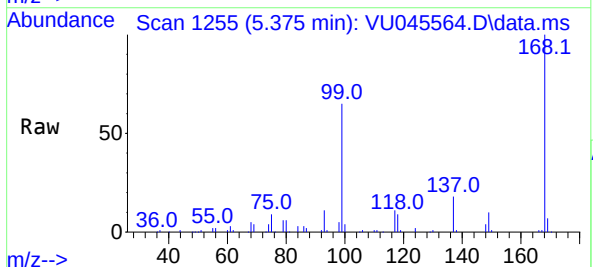
Instrument : MSVOA_U
ClientSampleId : 33104

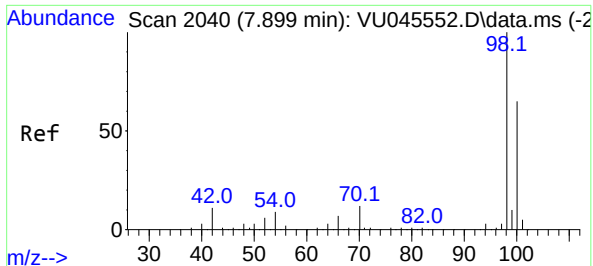
Tgt Ion: 75 Resp: 11788
Ion Ratio Lower Upper
75 100
110 8.2 16.7 50.0#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.998 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

Tgt Ion: 117 Resp: 15045
Ion Ratio Lower Upper
117 100
119 4.6 77.4 116.0#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 53.332 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VU045564.D

Acq: 05 Nov 2021 17:20

Instrument :

MSVOA_U

ClientSampleId :

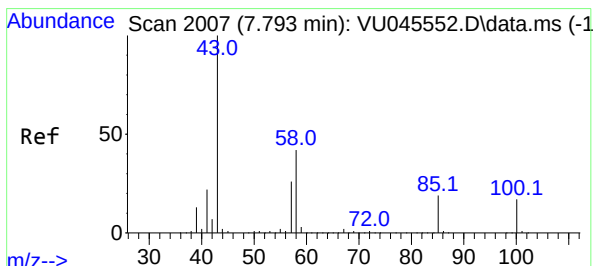
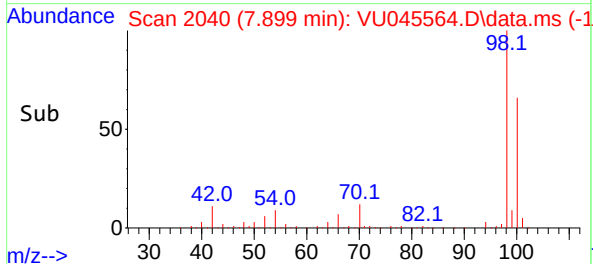
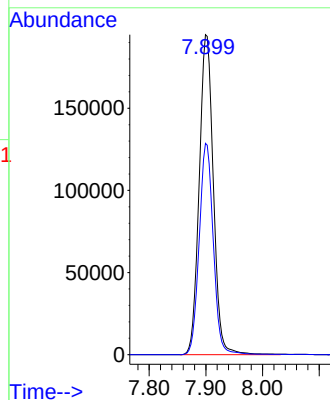
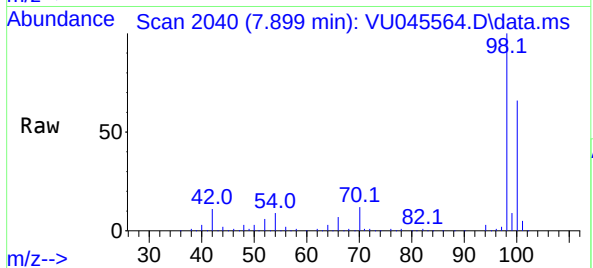
33104

Tgt Ion: 98 Resp: 337834

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.474 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. 0.109 min

Lab File: VU045564.D

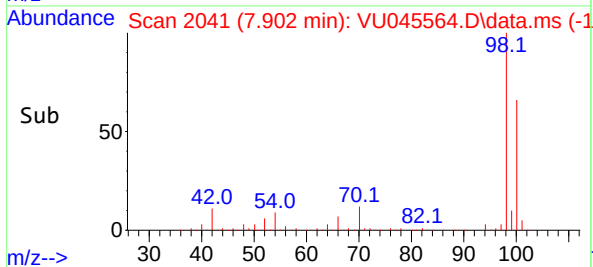
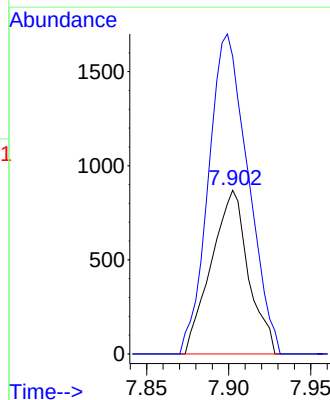
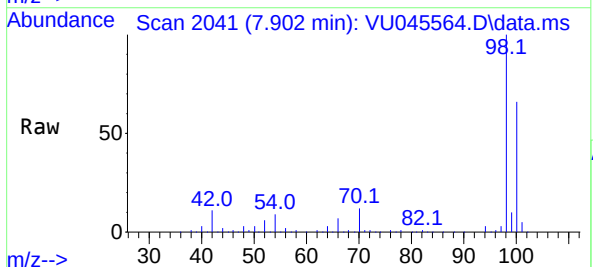
Acq: 05 Nov 2021 17:20

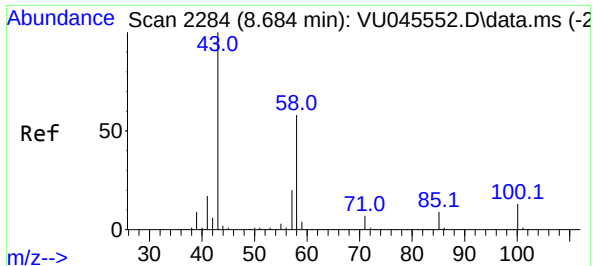
Tgt Ion: 43 Resp: 1367

Ion Ratio Lower Upper

43 100

58 208.0 33.8 50.8#

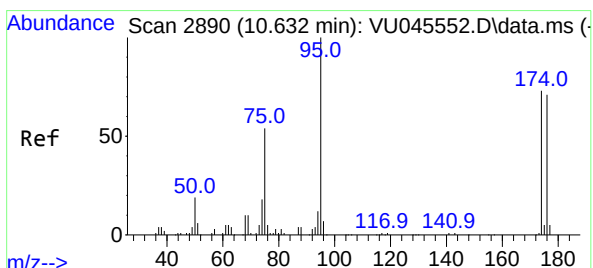
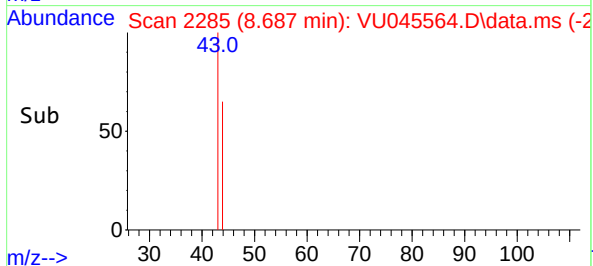
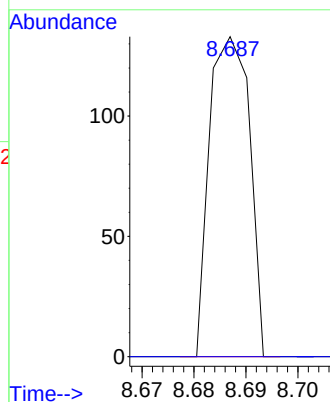
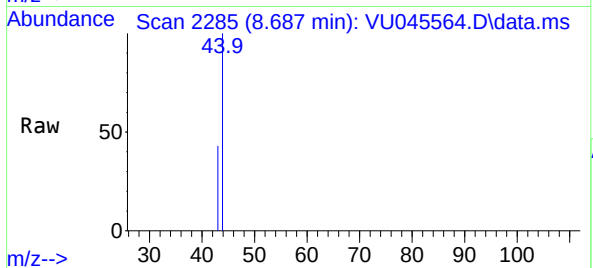




#59
2-Hexanone
Concen: 7.562 ug/l
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

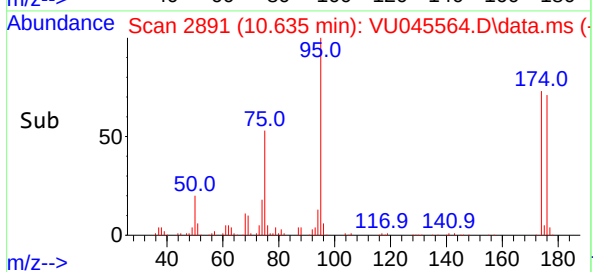
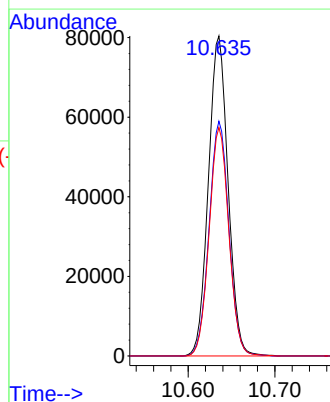
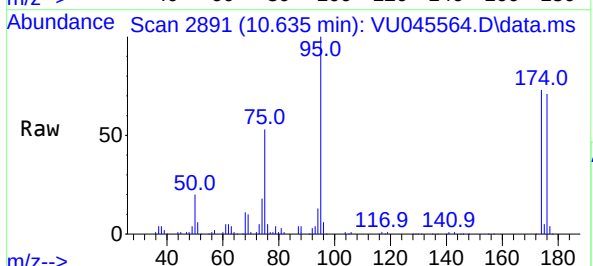
Instrument :
MSVOA_U
ClientSampleId :
33104

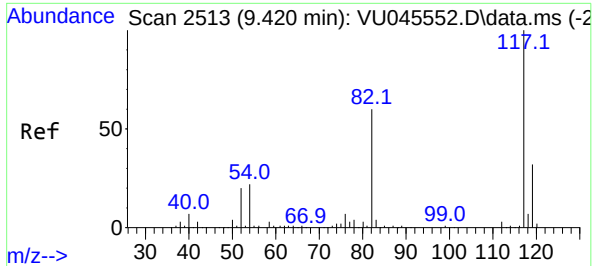
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 49.936 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

Tgt Ion: 95 Resp: 126845
Ion Ratio Lower Upper
95 100
174 73.9 0.0 141.8
176 71.4 0.0 138.2

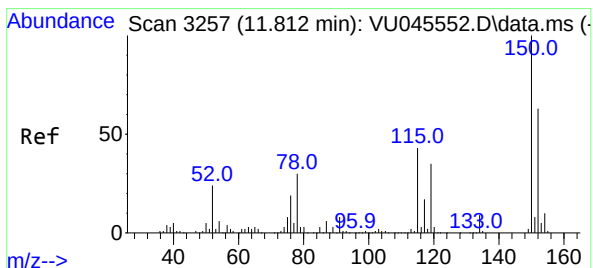
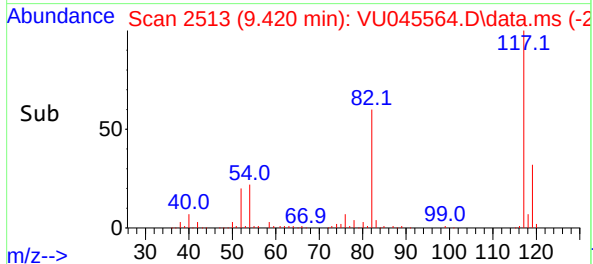
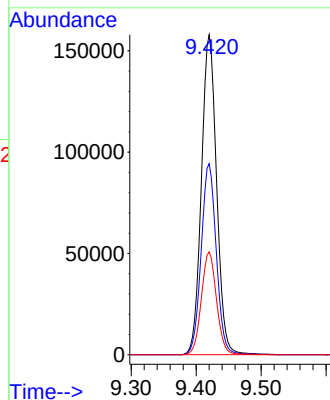
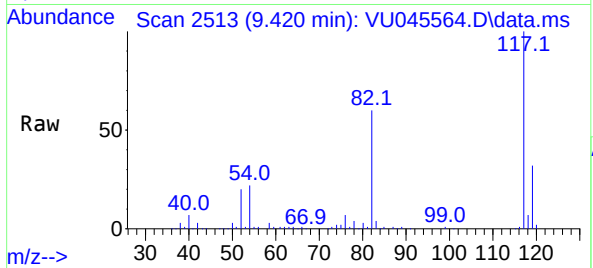




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

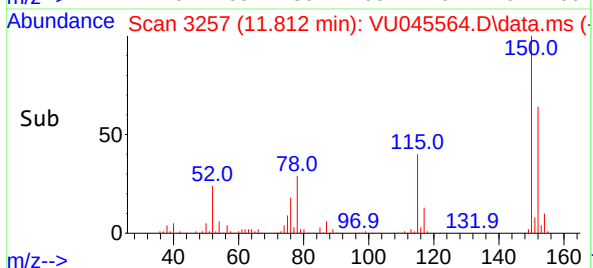
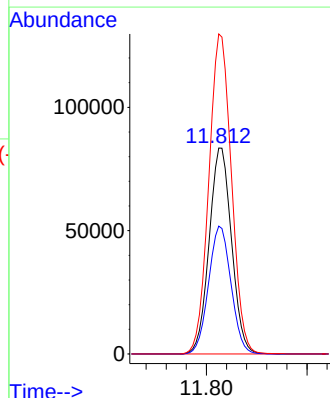
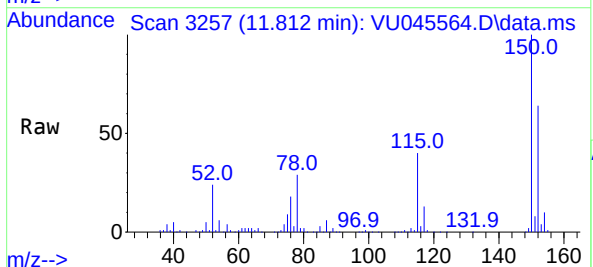
Instrument :
MSVOA_U
ClientSampleId :
33104

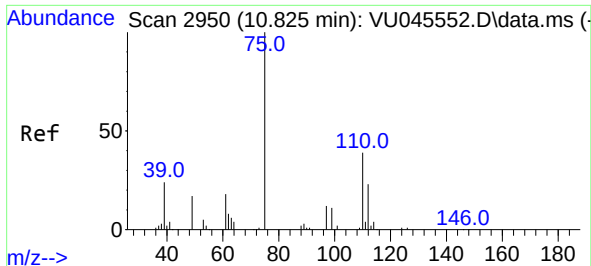
Tgt Ion:117 Resp: 257713
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.8
119 32.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

Tgt Ion:152 Resp: 129292
Ion Ratio Lower Upper
152 100
115 62.0 42.7 128.1
150 156.4 0.0 346.8

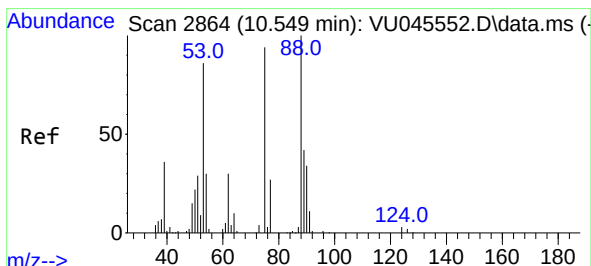
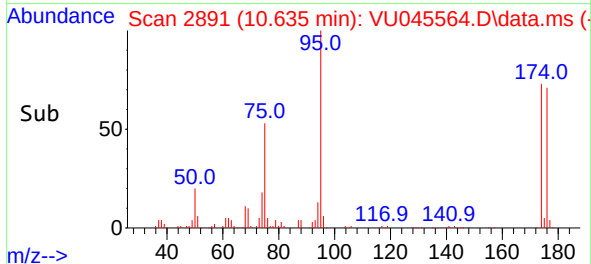
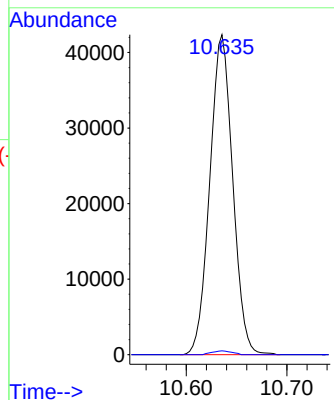
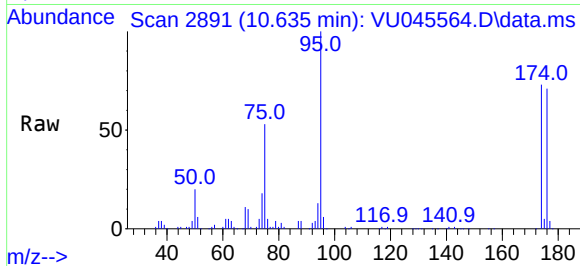




#76
1,2,3-Trichloropropane
Concen: 17.111 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

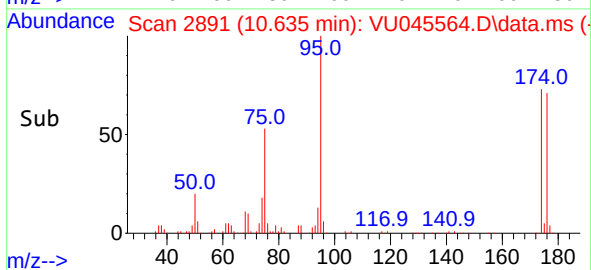
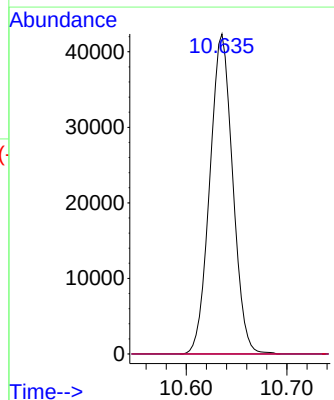
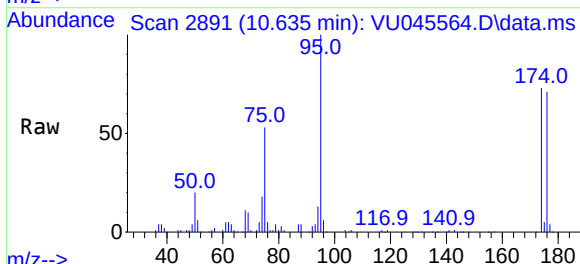
Instrument :
MSVOA_U
ClientSampleId :
33104

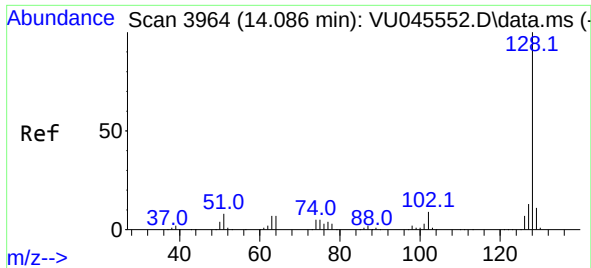
Tgt Ion: 75 Resp: 67091
Ion Ratio Lower Upper
75 100
77 1.0 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.693 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.086 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

Tgt Ion: 75 Resp: 67091
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#





#95
Naphthalene
Concen: 1.094 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU045564.D
Acq: 05 Nov 2021 17:20

Instrument :
MSVOA_U
ClientSampleId :
33104

Tgt Ion:	128	Resp:	694
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	13.0#

