

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111221\
 Data File : VU045761.D
 Acq On : 12 Nov 2021 12:06
 Operator : SY/MD
 Sample : M4606-19 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 05:18:30 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)

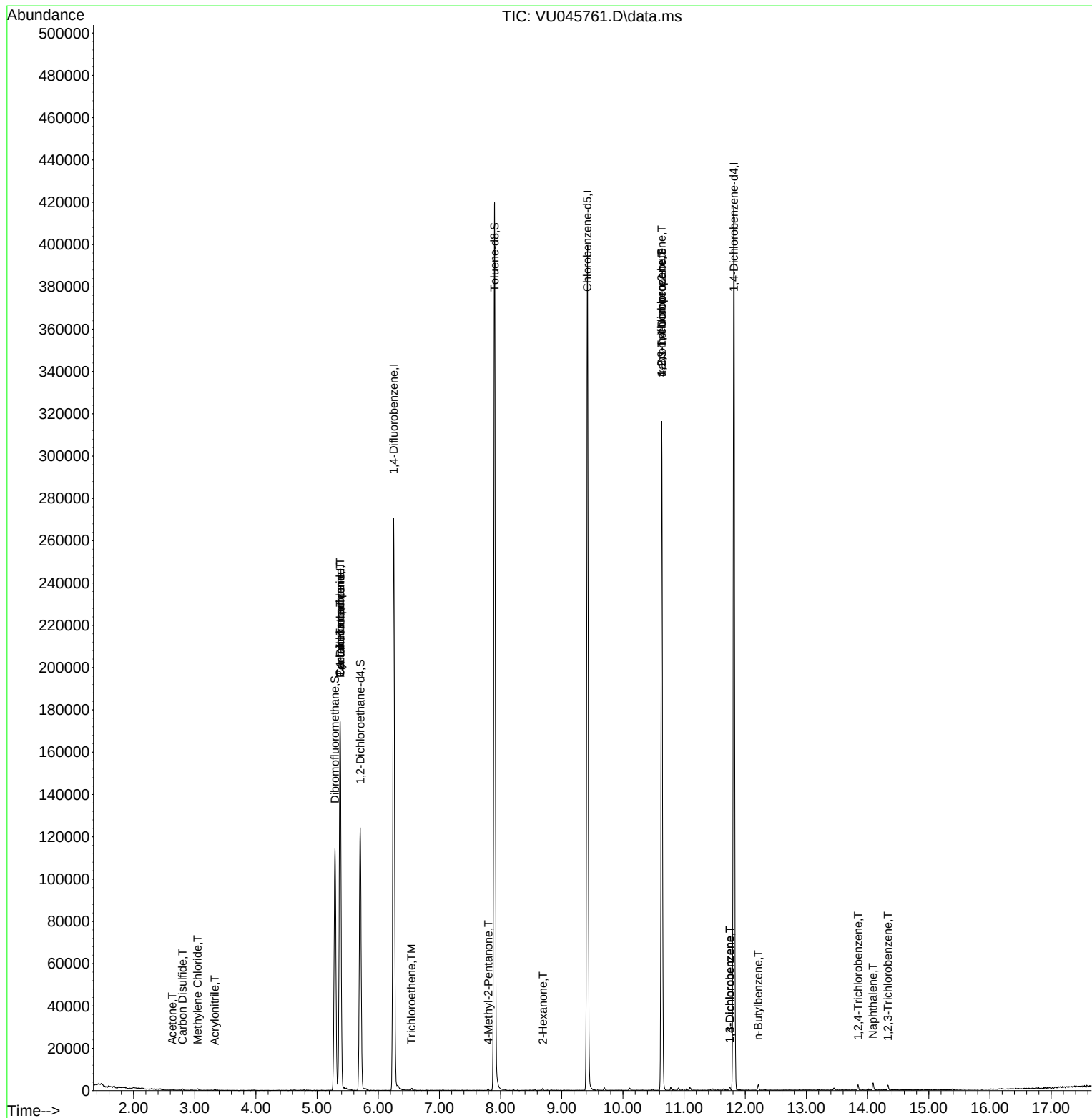
Internal Standards						
1) Pentafluorobenzene	5.378	168	116138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	213968	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	215678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	102888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	92117	52.962	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.920%	
35) Dibromofluoromethane	5.292	113	73725	51.608	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.220%	
50) Toluene-d8	7.902	98	278559	52.439	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.880%	
62) 4-Bromofluorobenzene	10.635	95	103599	48.636	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.280%	
Target Compounds						
					Qvalue	
15) Acrylonitrile	3.327	53	275	0.299	ug/l #	51
16) Acetone	2.633	43	662	0.748	ug/l	96
17) Carbon Disulfide	2.800	76	927	0.259	ug/l #	75
20) Methylene Chloride	3.047	84	320	0.208	ug/l #	72
31) Cyclohexane	5.375	56	2590	1.021	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	10339	4.956	ug/l #	50
38) Carbon Tetrachloride	5.375	117	12522	5.953	ug/l #	16
44) Trichloroethene	6.542	130	302	0.204	ug/l	72
51) 4-Methyl-2-Pentanone	7.800	43	562	0.232	ug/l #	64
59) 2-Hexanone	8.693	43	665	7.841	ug/l	82
76) 1,2,3-Trichloropropane	10.635	75	55111	17.663	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	55111	57.392	ug/l #	12
87) 1,3-Dichlorobenzene	11.748	146	804	0.244	ug/l	86
88) 1,4-Dichlorobenzene	11.748	146	804	0.241	ug/l	86
89) n-Butylbenzene	12.211	91	1360	0.228	ug/l	96
93) 1,2,4-Trichlorobenzene	13.844	180	847	0.382	ug/l	88
95) Naphthalene	14.089	128	3369	1.425	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.333	180	942	0.428	ug/l	90

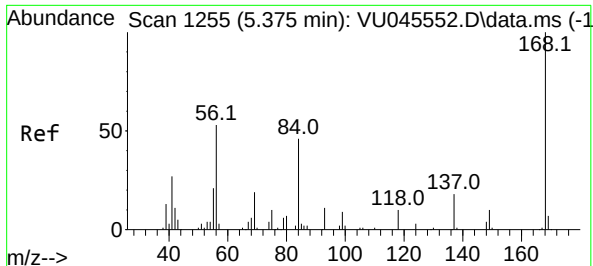
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 15 05:18:30 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

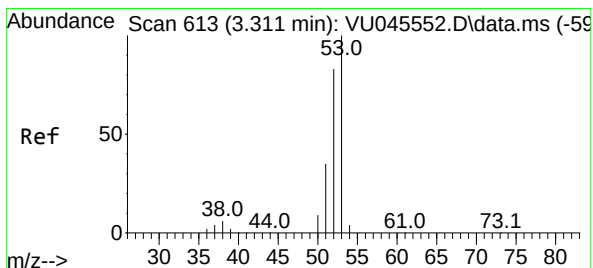
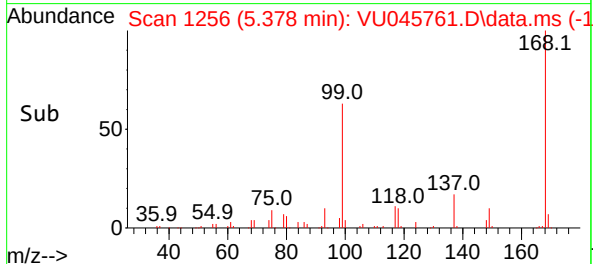
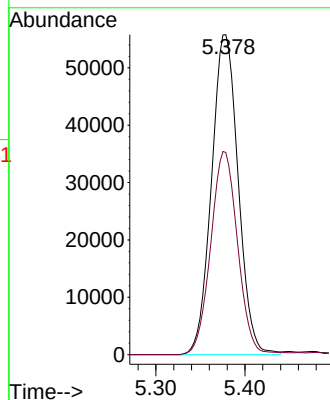
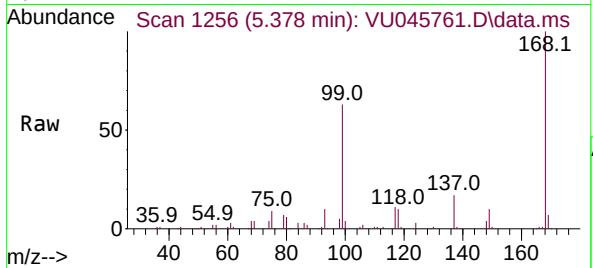




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

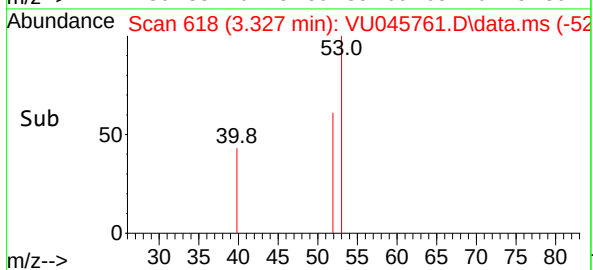
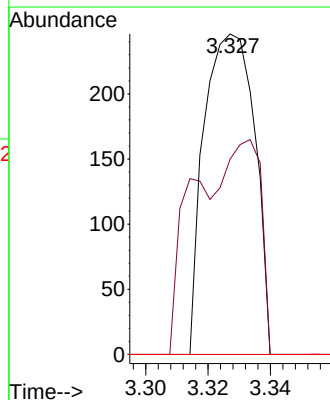
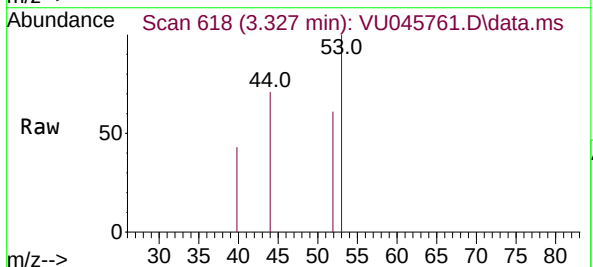
Instrument :
MSVOA_U
ClientSampleId :

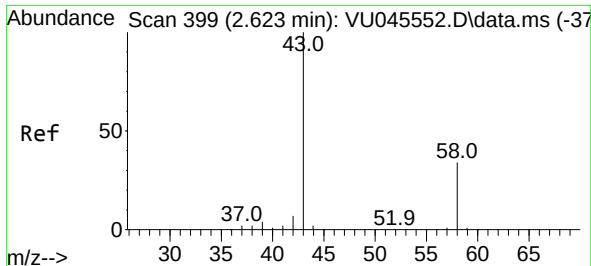
Tgt Ion:168 Resp: 116138
Ion Ratio Lower Upper
168 100
99 63.2 51.0 76.6



#15
Acrylonitrile
Concen: 0.299 ug/l
RT: 3.327 min Scan# 618
Delta R.T. 0.016 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

Tgt Ion: 53 Resp: 275
Ion Ratio Lower Upper
53 100
52 43.6 66.6 100.0#
51 0.0 28.4 42.6#

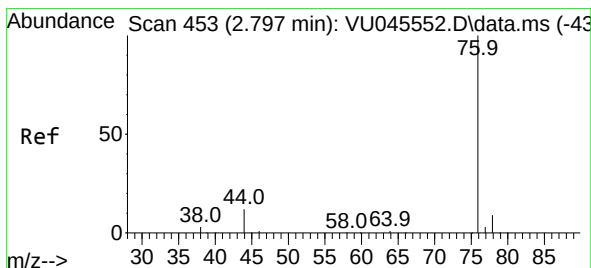
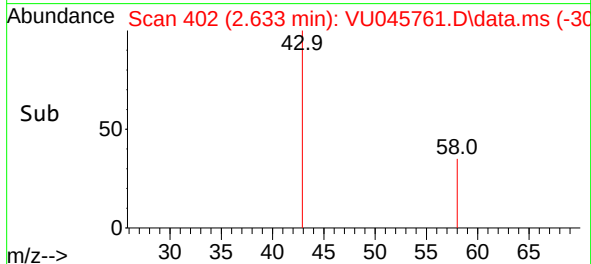
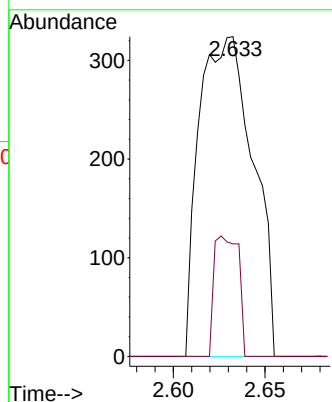
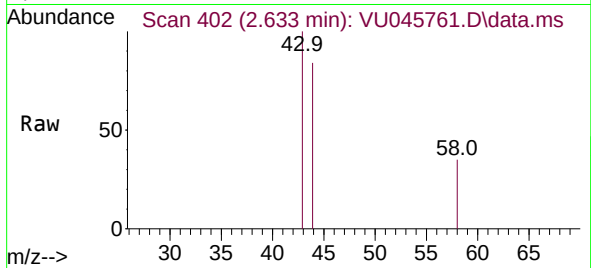




#16
Acetone
Concen: 0.748 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.010 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

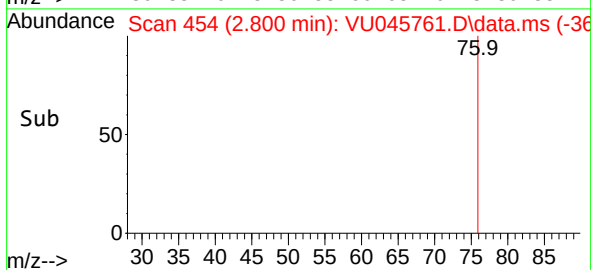
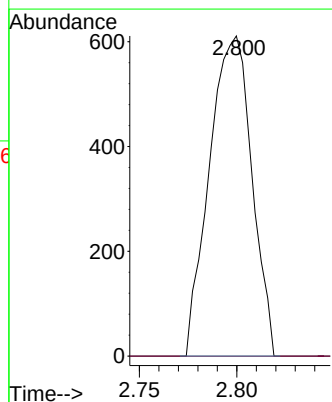
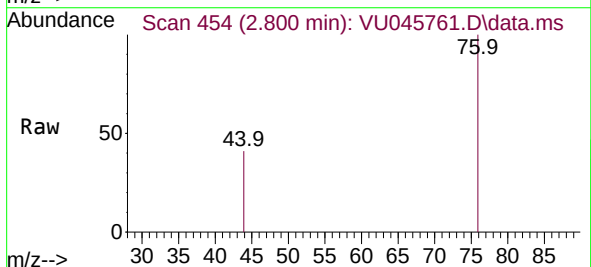
Instrument :
MSVOA_U
ClientSampleId :

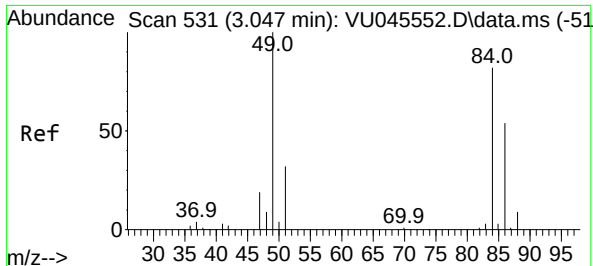
Tgt Ion: 43 Resp: 662
Ion Ratio Lower Upper
43 100
58 35.2 26.2 39.2



#17
Carbon Disulfide
Concen: 0.259 ug/l
RT: 2.800 min Scan# 454
Delta R.T. 0.003 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

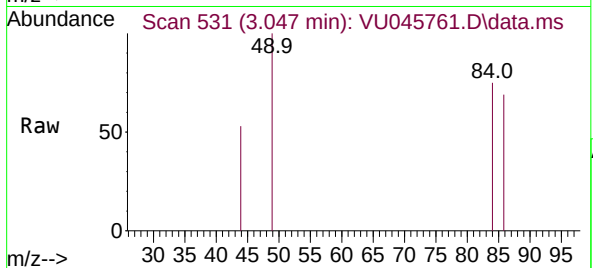
Tgt Ion: 76 Resp: 927
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



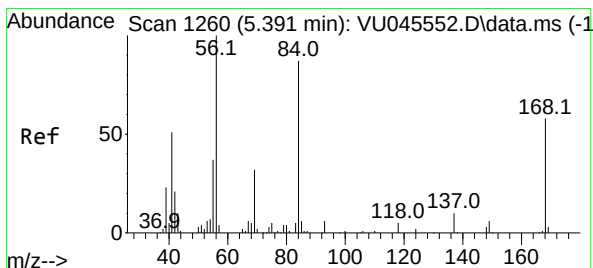
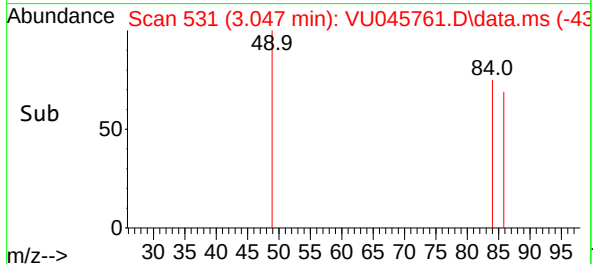
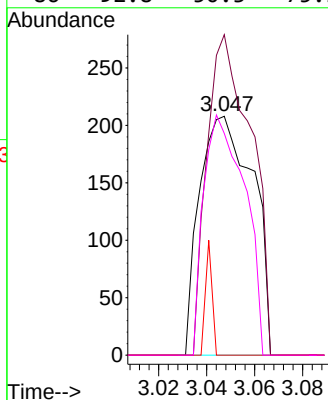


#20
Methylene Chloride
Concen: 0.208 ug/l
RT: 3.047 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

Instrument :
MSVOA_U
ClientSampleId :

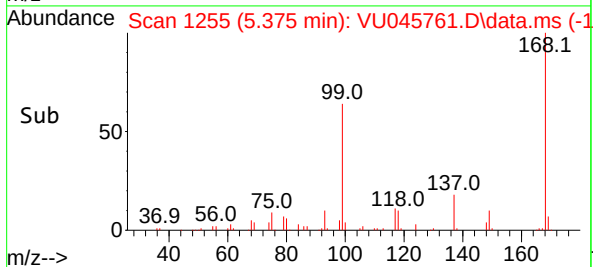
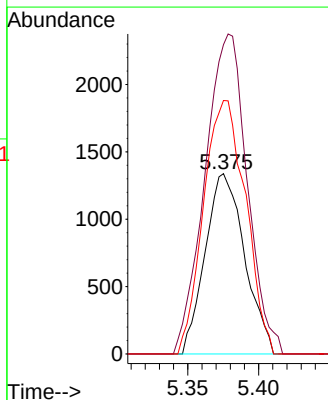
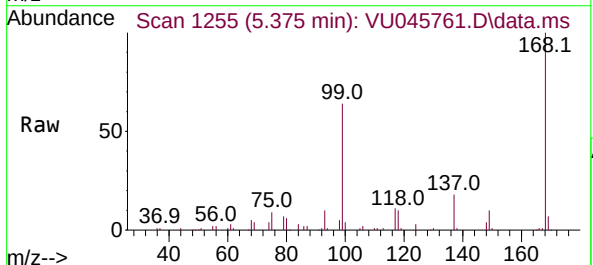


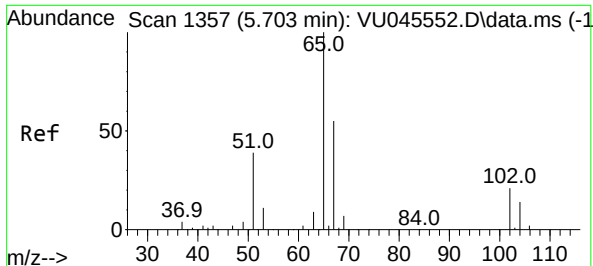
Tgt Ion: 84 Resp: 320
Ion Ratio Lower Upper
84 100
49 134.1 96.4 144.6
51 0.0 30.5 45.7#
86 92.8 50.3 75.5#



#31
Cyclohexane
Concen: 1.021 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

Tgt Ion: 56 Resp: 2590
Ion Ratio Lower Upper
56 100
69 163.6 26.4 39.6#
84 140.5 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 52.962 ug/l

RT: 5.706 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU045761.D

Acq: 12 Nov 2021 12:06

Instrument :

MSVOA_U

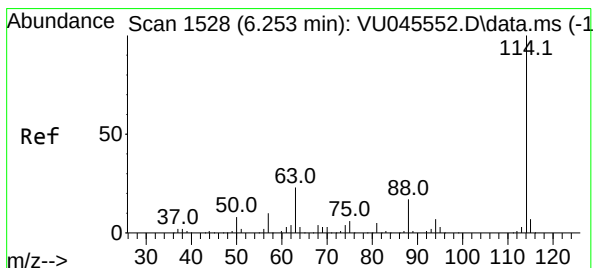
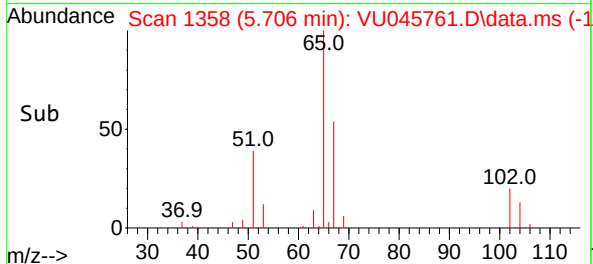
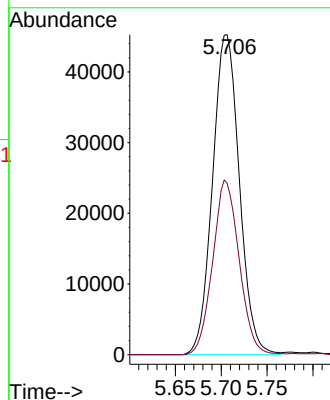
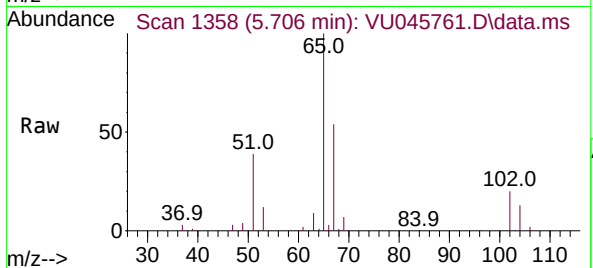
ClientSampleId :

Tgt Ion: 65 Resp: 92117

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU045761.D

Acq: 12 Nov 2021 12:06

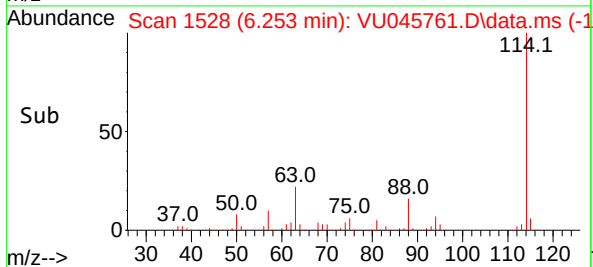
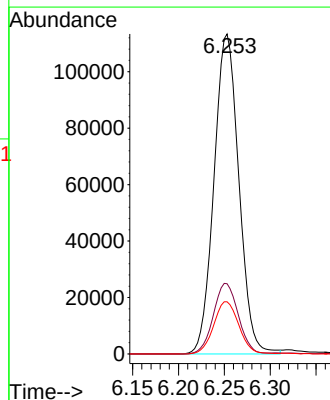
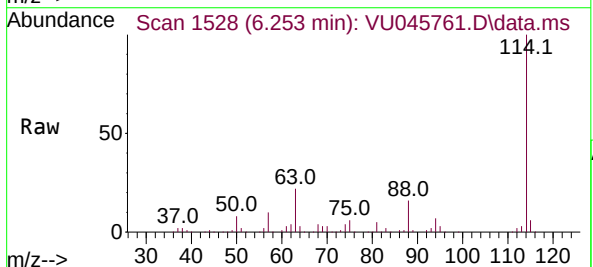
Tgt Ion: 114 Resp: 213968

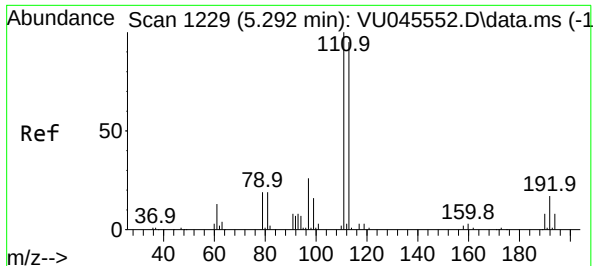
Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.6

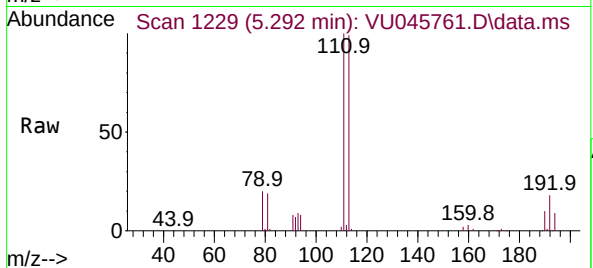
88 16.3 0.0 33.8



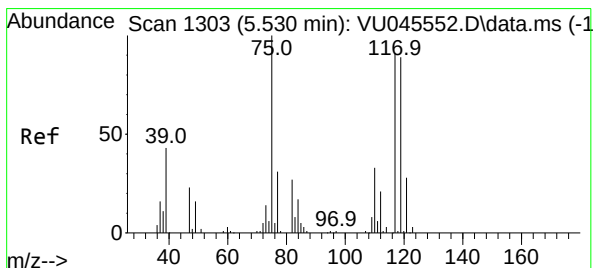
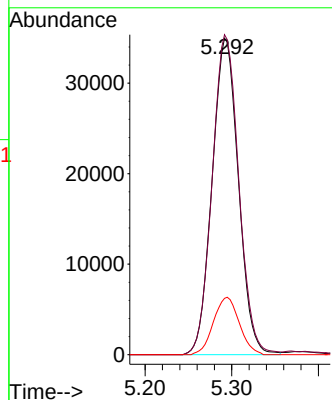
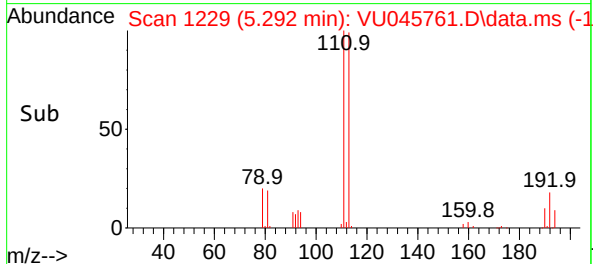


#35
Dibromofluoromethane
Concen: 51.608 ug/l
RT: 5.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

Instrument :
MSVOA_U
ClientSampleId :

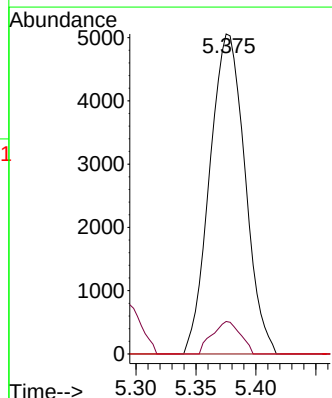
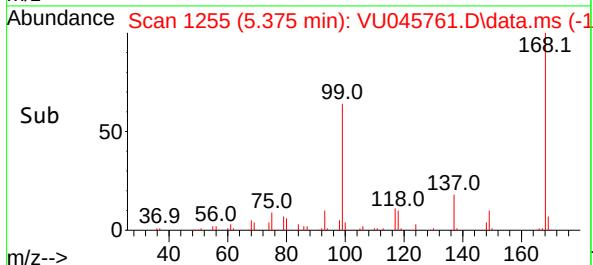
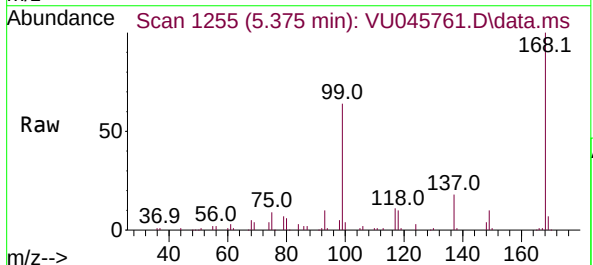


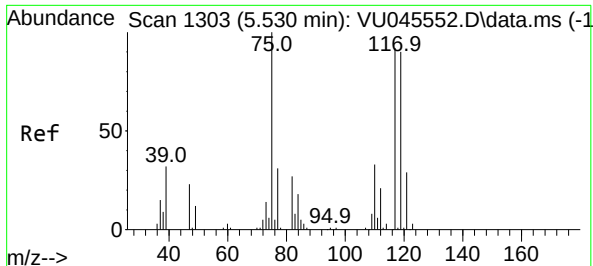
Tgt Ion:113 Resp: 73725
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 17.9 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.956 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

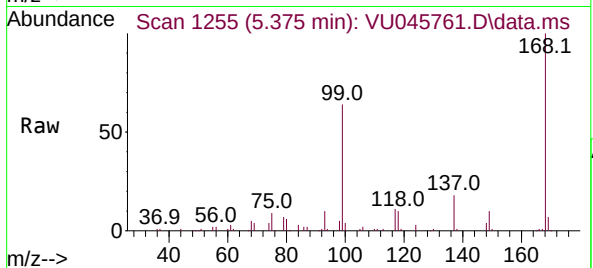
Tgt Ion: 75 Resp: 10339
Ion Ratio Lower Upper
75 100
110 8.1 16.7 50.0#
77 0.0 25.0 37.4#



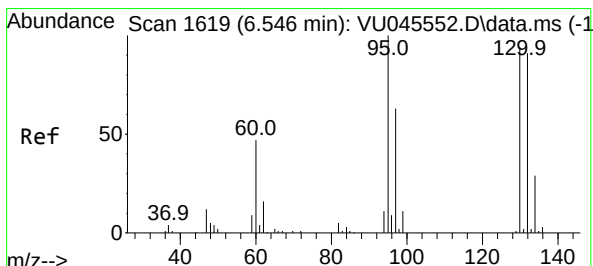
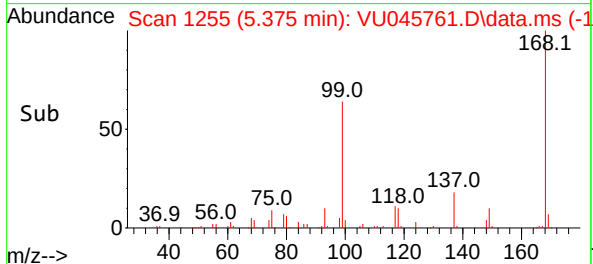
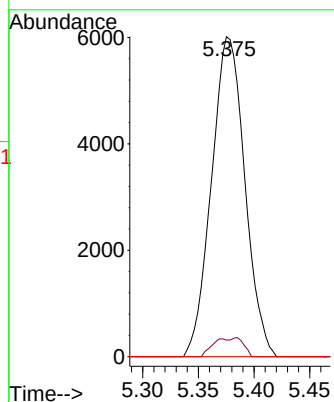


#38
Carbon Tetrachloride
Concen: 5.953 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

Instrument :
MSVOA_U
ClientSampleId :

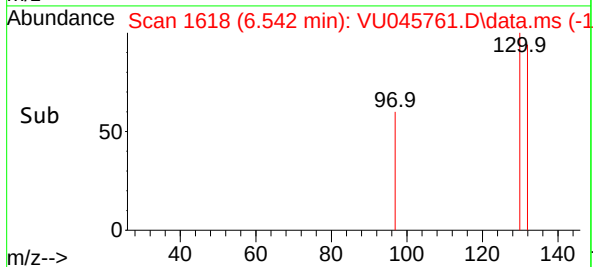
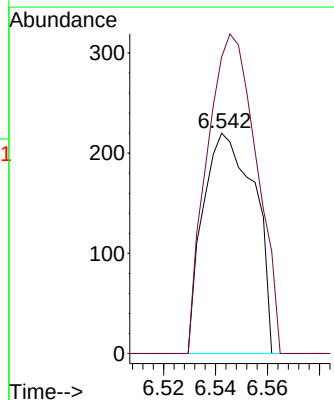
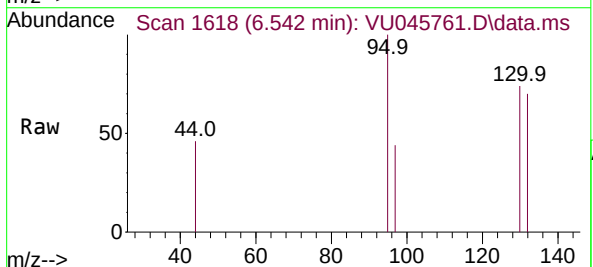


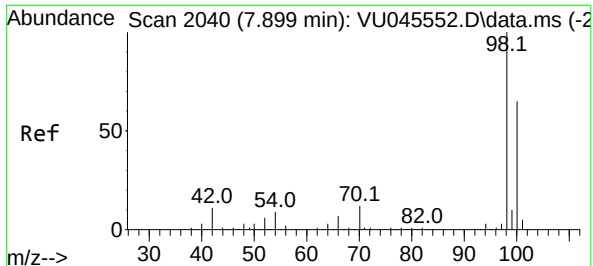
Tgt Ion:117 Resp: 12522
Ion Ratio Lower Upper
117 100
119 5.2 77.4 116.0#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 0.204 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

Tgt Ion:130 Resp: 302
Ion Ratio Lower Upper
130 100
95 134.5 0.0 211.4





#50

Toluene-d8

Concen: 52.439 ug/l

RT: 7.902 min Scan# 2040

Delta R.T. 0.003 min

Lab File: VU045761.D

Acq: 12 Nov 2021 12:06

Instrument :

MSVOA_U

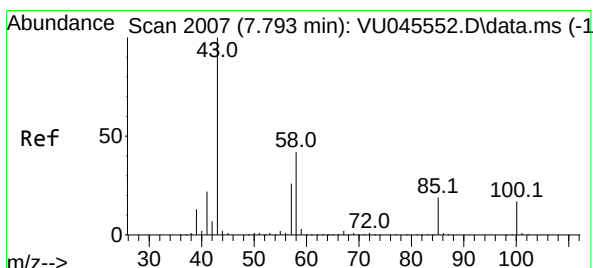
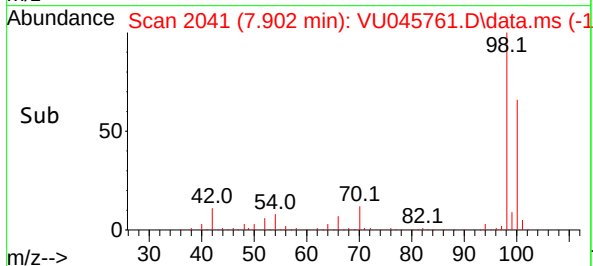
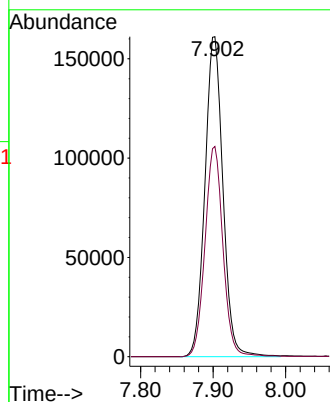
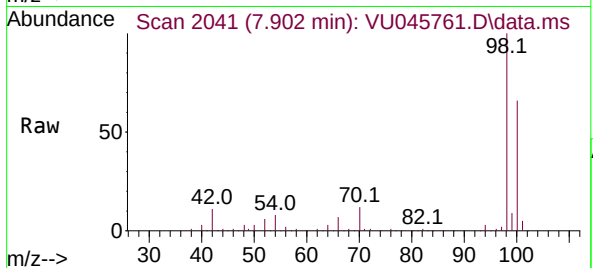
ClientSampleId :

Tgt Ion: 98 Resp: 278559

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.232 ug/l

RT: 7.800 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VU045761.D

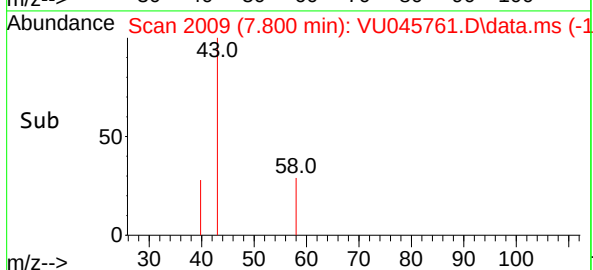
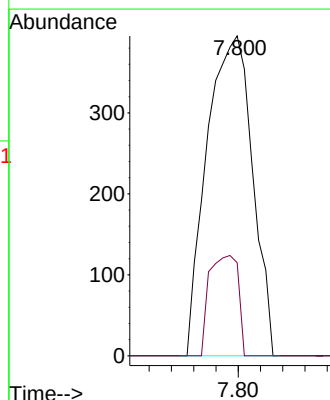
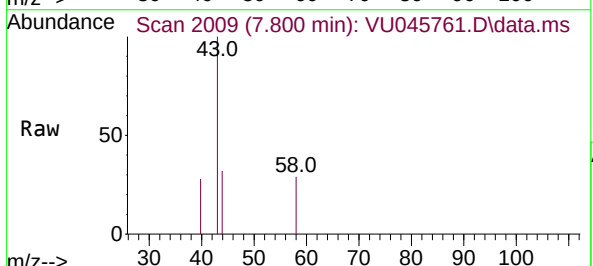
Acq: 12 Nov 2021 12:06

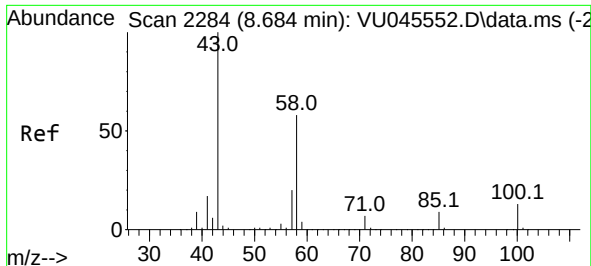
Tgt Ion: 43 Resp: 562

Ion Ratio Lower Upper

43 100

58 19.8 33.8 50.8#

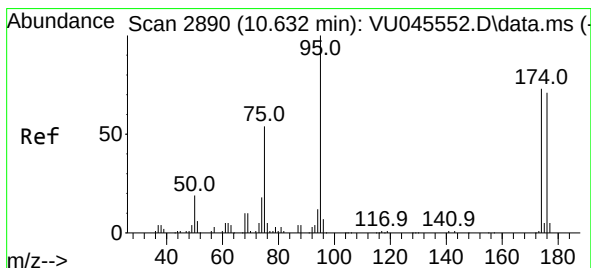
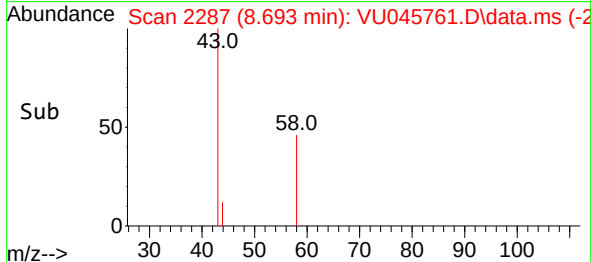
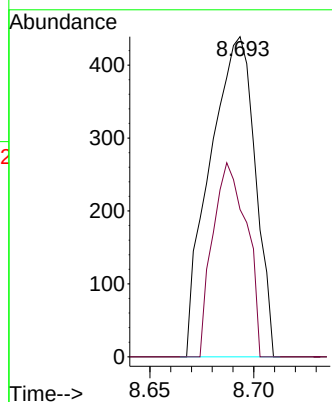
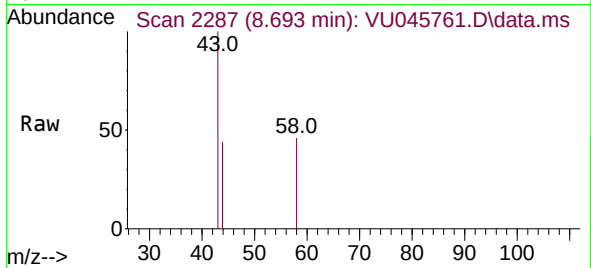




#59
2-Hexanone
Concen: 7.841 ug/l
RT: 8.693 min Scan# 21
Delta R.T. 0.009 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

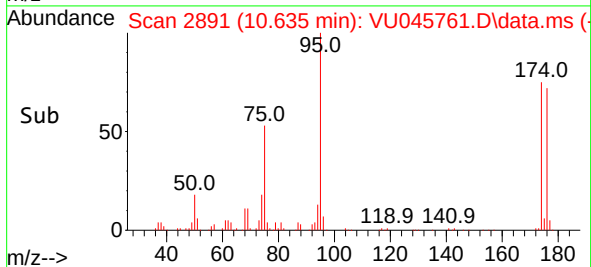
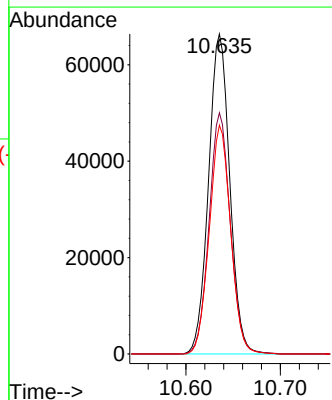
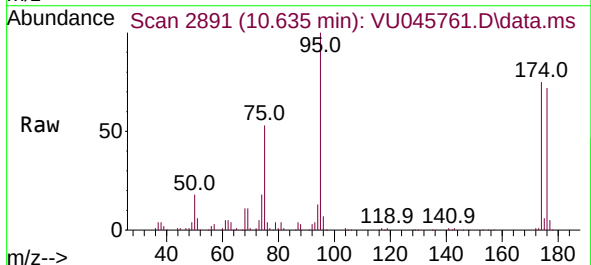
Instrument :
MSVOA_U
ClientSampleId :

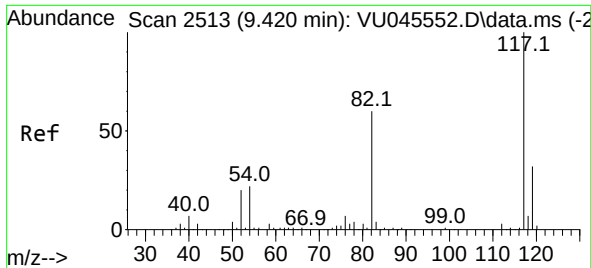
Tgt Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
58 45.3 29.5 88.6



#62
4-Bromofluorobenzene
Concen: 48.636 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

Tgt Ion: 95 Resp: 103599
Ion Ratio Lower Upper
95 100
174 75.5 0.0 141.8
176 71.8 0.0 138.2

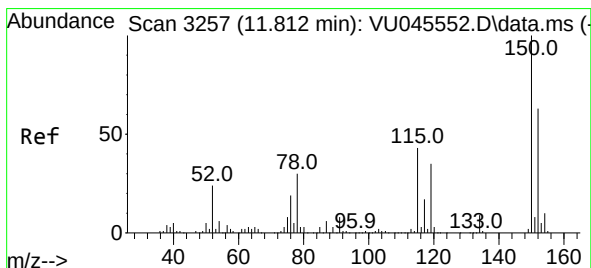
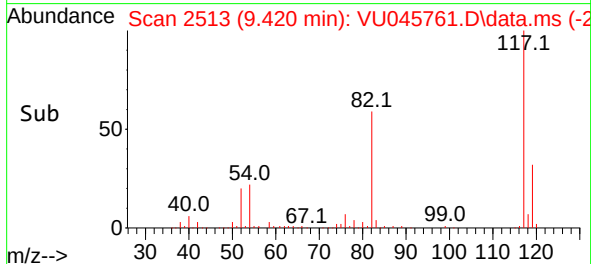
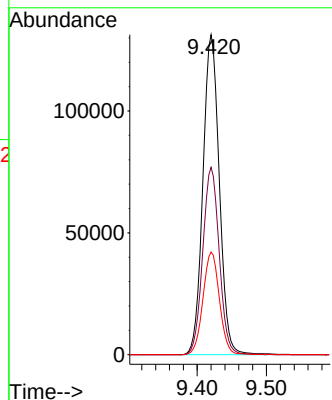
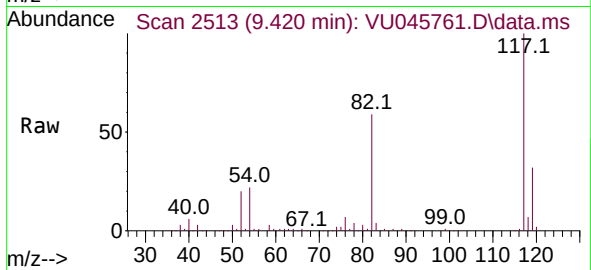




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 215678
Delta R.T. 0.000 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

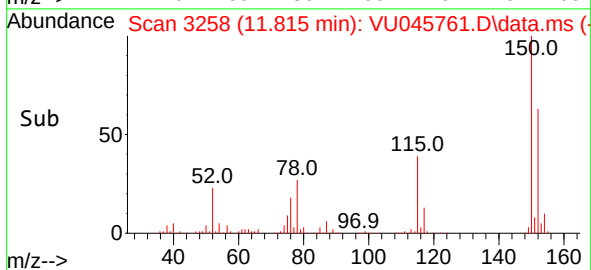
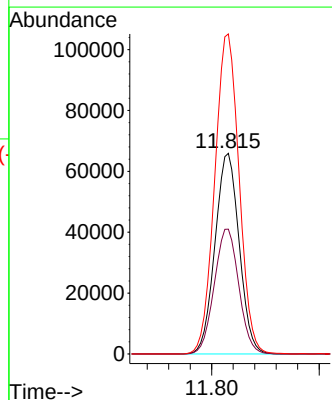
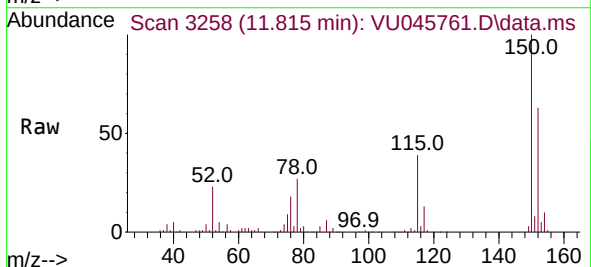
Instrument :
MSVOA_U
ClientSampleId :

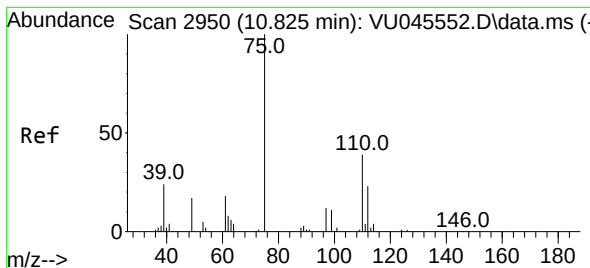
Tgt Ion:117 Resp: 215678
Ion Ratio Lower Upper
117 100
82 58.6 47.8 71.8
119 32.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.003 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

Tgt Ion:152 Resp: 102888
Ion Ratio Lower Upper
152 100
115 63.2 42.7 128.1
150 160.7 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 17.663 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. -0.190 min

Lab File: VU045761.D

Acq: 12 Nov 2021 12:06

Instrument :

MSVOA_U

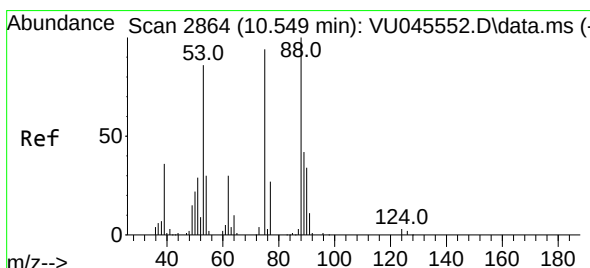
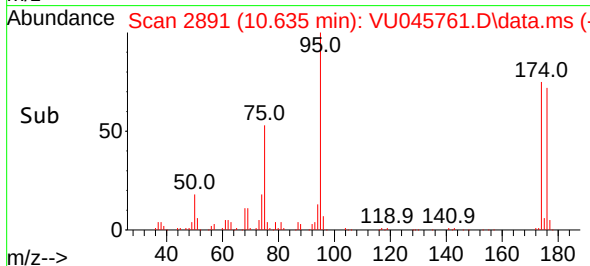
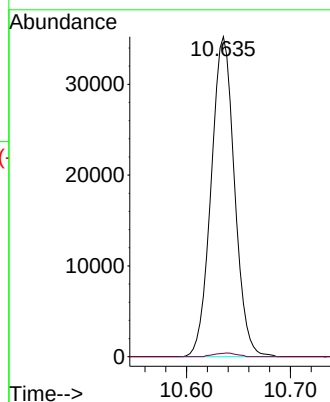
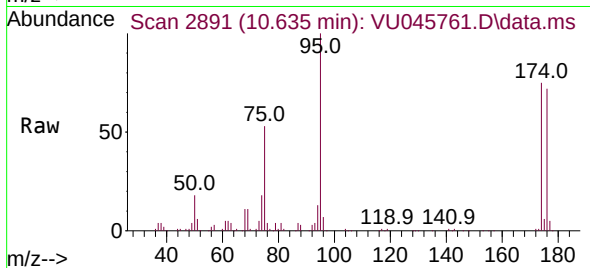
ClientSampleId :

Tgt Ion: 75 Resp: 55111

Ion Ratio Lower Upper

75 100

77 1.1 17.1 51.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.392 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. 0.086 min

Lab File: VU045761.D

Acq: 12 Nov 2021 12:06

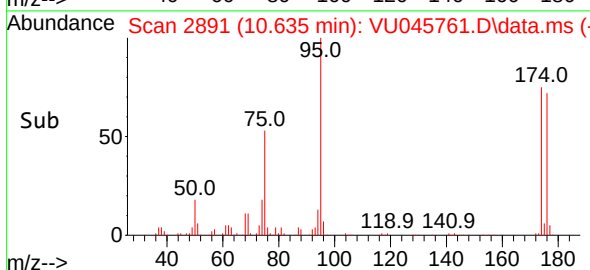
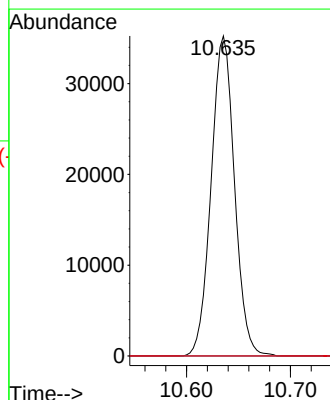
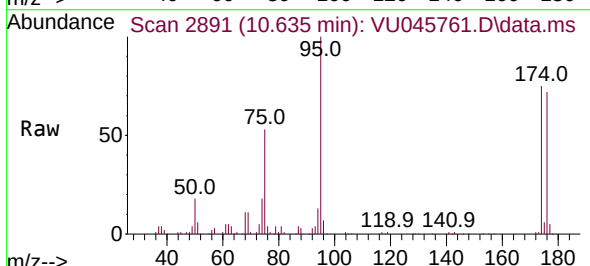
Tgt Ion: 75 Resp: 55111

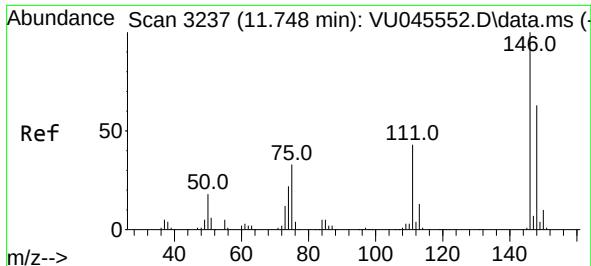
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.4#

89 0.0 34.0 51.0#





#87

1,3-Dichlorobenzene

Concen: 0.244 ug/l

RT: 11.748 min Scan# 3237

Delta R.T. -0.000 min

Lab File: VU045761.D

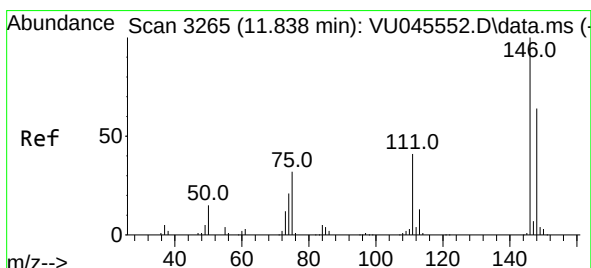
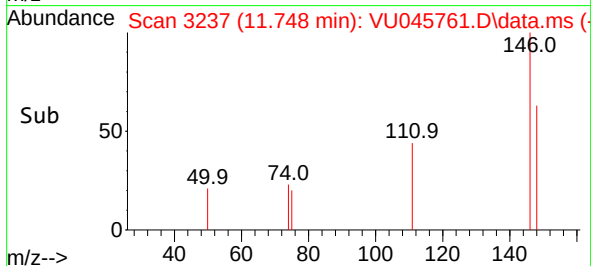
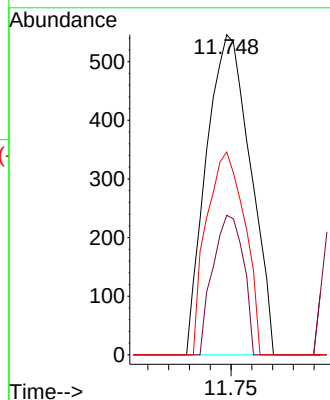
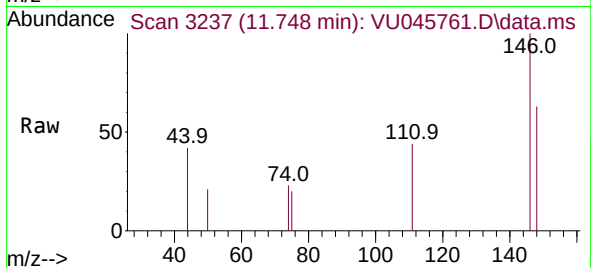
Acq: 12 Nov 2021 12:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:146	Resp:	804	
Ion	Ratio	Lower	Upper
146	100		
111	30.1	21.3	63.9
148	55.1	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 0.241 ug/l

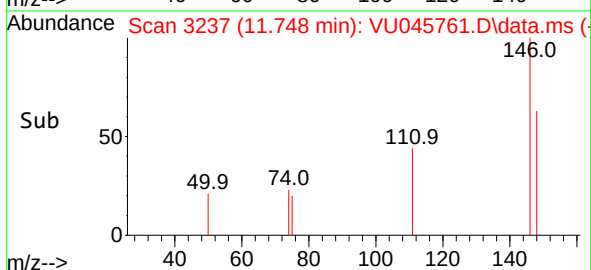
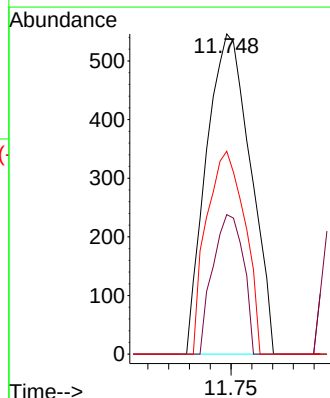
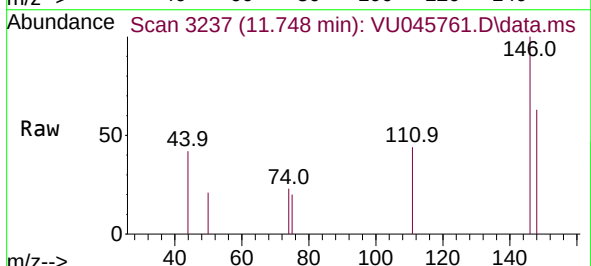
RT: 11.748 min Scan# 3237

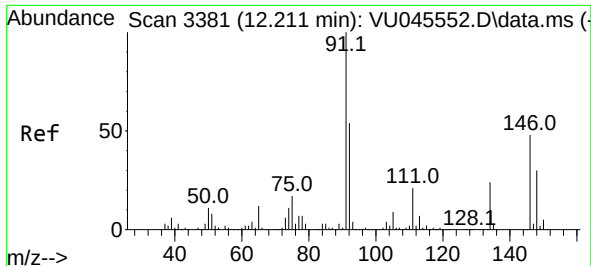
Delta R.T. -0.090 min

Lab File: VU045761.D

Acq: 12 Nov 2021 12:06

Tgt Ion:146	Resp:	804	
Ion	Ratio	Lower	Upper
146	100		
111	30.1	20.6	61.9
148	55.1	31.9	95.7





#89

n-Butylbenzene

Concen: 0.228 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU045761.D

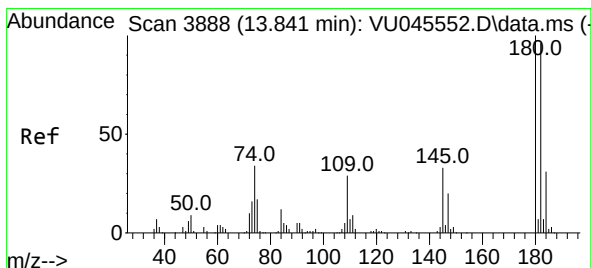
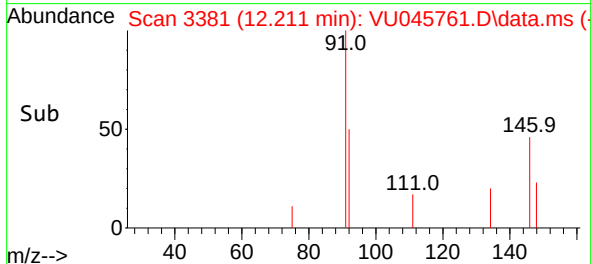
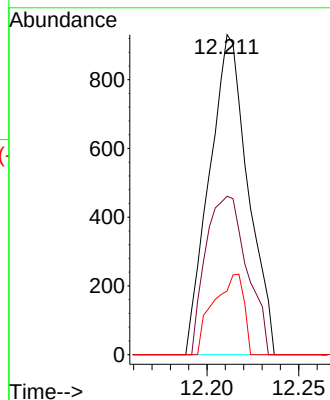
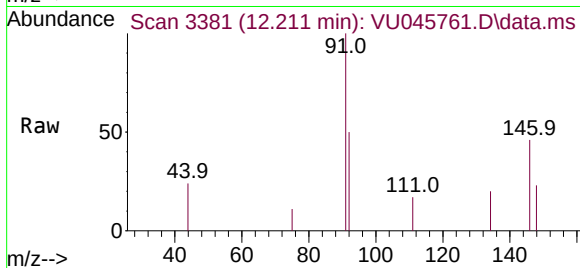
Acq: 12 Nov 2021 12:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	91	Resp:	1360
Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.1	81.2
134	19.6	11.8	35.4



#93

1,2,4-Trichlorobenzene

Concen: 0.382 ug/l

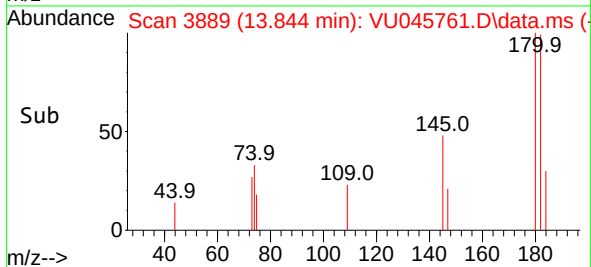
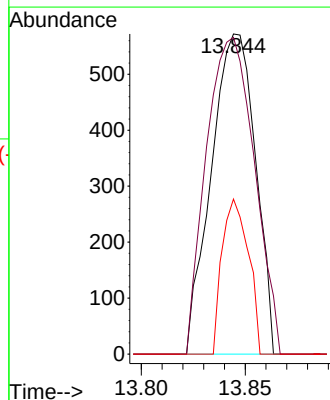
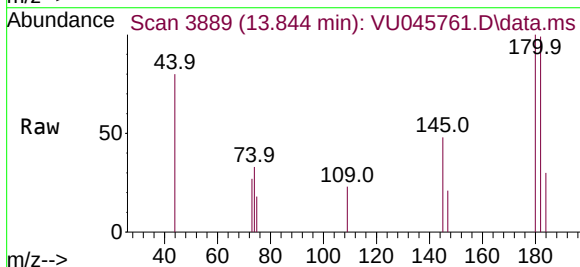
RT: 13.844 min Scan# 3889

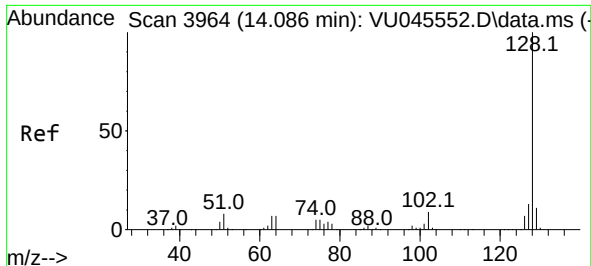
Delta R.T. 0.003 min

Lab File: VU045761.D

Acq: 12 Nov 2021 12:06

Tgt Ion:	180	Resp:	847
Ion	Ratio	Lower	Upper
180	100		
182	107.6	47.0	141.2
145	28.7	15.6	46.7

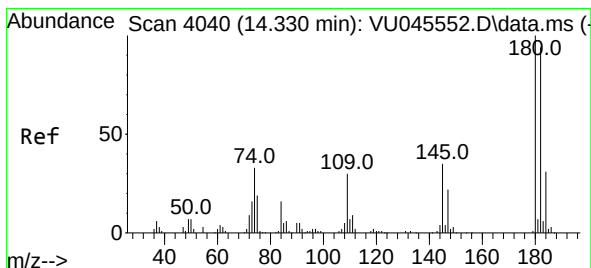
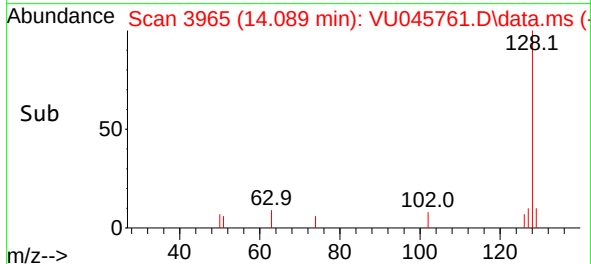
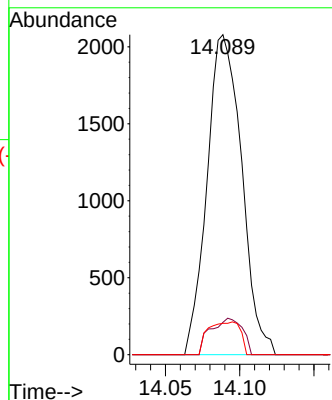
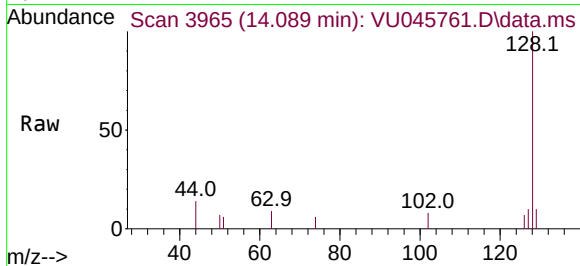




#95
Naphthalene
Concen: 1.425 ug/l
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 3369
Ion Ratio Lower Upper
128 100
127 10.5 10.6 15.8#
129 9.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.428 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU045761.D
Acq: 12 Nov 2021 12:06

Tgt Ion:180 Resp: 942
Ion Ratio Lower Upper
180 100
182 85.0 47.7 143.1
145 28.0 16.7 50.0

