

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045944.D
 Acq On : 23 Nov 2021 03:37
 Operator : SY/MD
 Sample : M4795-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

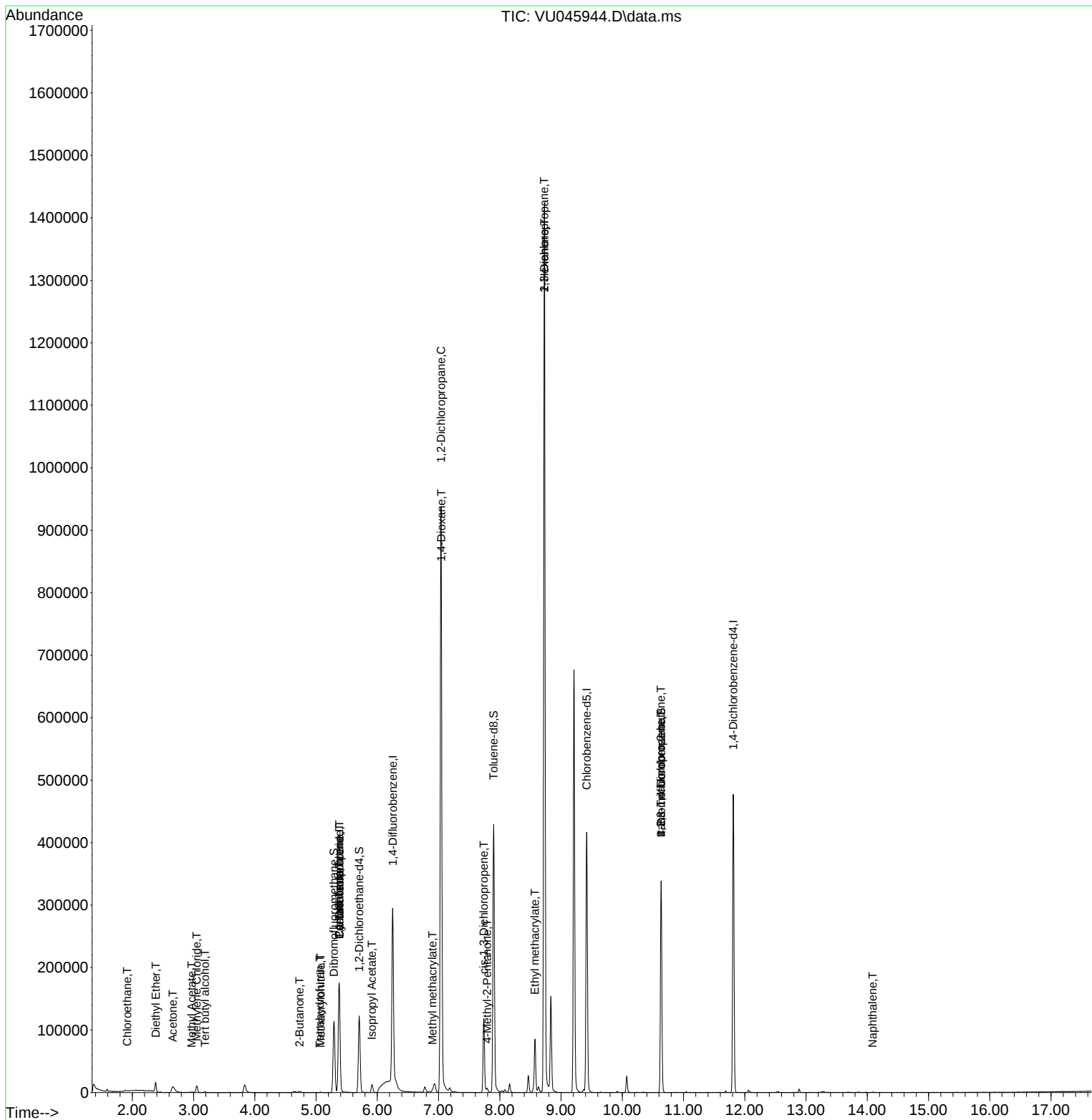
Quant Time: Nov 23 06:52:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.378	168	120001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	225185	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	237286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	121765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	90929	50.596	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.200%	
35) Dibromofluoromethane	5.292	113	73264	48.731	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.460%	
50) Toluene-d8	7.899	98	287406	51.409	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.820%	
62) 4-Bromofluorobenzene	10.635	95	114035	50.868	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.740%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.916	64	1030	0.910	ug/l #	41
8) Diethyl Ether	2.382	74	5223	5.754	ug/l	98
11) Tert butyl alcohol	3.186	59	724	2.035	ug/l #	72
16) Acetone	2.661	43	23428	25.609	ug/l	99
18) Methyl Acetate	2.970	43	1402	0.450	ug/l #	53
20) Methylene Chloride	3.051	84	5460	3.435	ug/l	95
25) 2-Butanone	4.732	43	3972	3.130	ug/l #	89
29) Tetrahydrofuran	5.063	42	223	0.287	ug/l #	57
31) Cyclohexane	5.378	56	2541	0.969	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	9851	4.486	ug/l #	49
38) Carbon Tetrachloride	5.378	117	12659	5.719	ug/l #	16
41) Methacrylonitrile	5.076	41	333	0.250	ug/l #	22
43) Isopropyl Acetate	5.912	43	13560	3.515	ug/l	98
45) 1,2-Dichloropropane	7.041	63	1168	0.679	ug/l #	43
48) Methyl methacrylate	6.902	41	6045	3.404	ug/l #	13
49) 1,4-Dioxane	7.047	88	64	1.402	ug/l #	1
51) 4-Methyl-2-Pentanone	7.793	43	4187	1.645	ug/l	91
54) cis-1,3-Dichloropropene	7.738	75	22230	8.053	ug/l #	61
56) Ethyl methacrylate	8.574	69	589	2.613	ug/l #	1
57) 1,3-Dichloropropane	8.726	76	15414	5.188	ug/l #	42
59) 2-Hexanone	8.729	43	185342	88.711	ug/l #	49
76) 1,2,3-Trichloropropane	10.632	75	59509	16.116	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.632	75	59509	52.627	ug/l #	12
95) Naphthalene	14.089	128	726	1.101	ug/l #	69

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

Quant Time: Nov 23 06:52:40 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

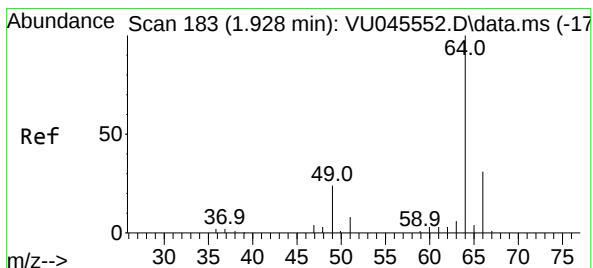
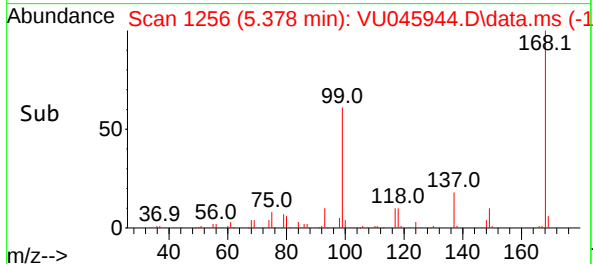
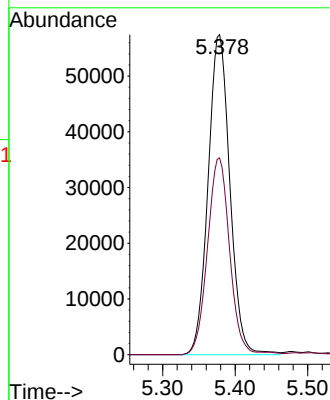
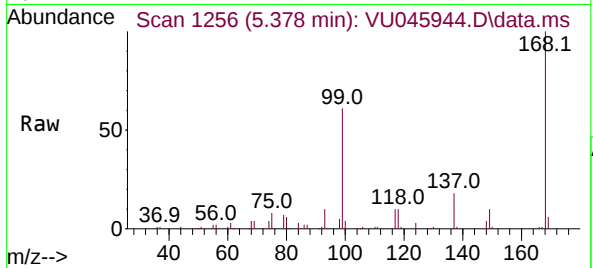




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

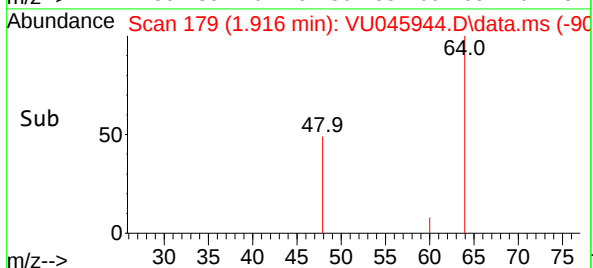
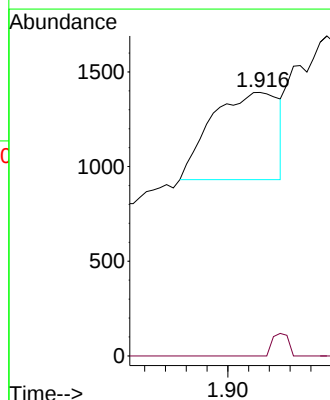
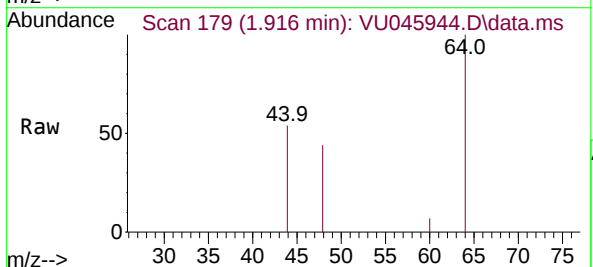
Instrument :
MSVOA_U
ClientSampleId :

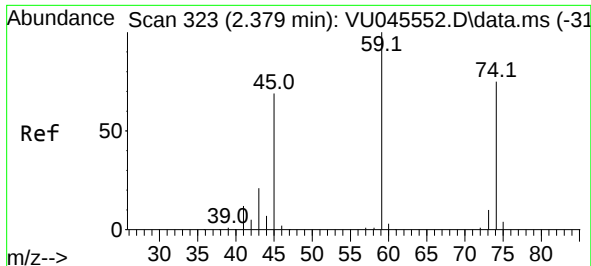
Tgt Ion:168 Resp: 120001
Ion Ratio Lower Upper
168 100
99 61.5 51.0 76.6



#6
Chloroethane
Concen: 0.910 ug/l
RT: 1.916 min Scan# 179
Delta R.T. -0.013 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

Tgt Ion: 64 Resp: 1030
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#8

Diethyl Ether

Concen: 5.754 ug/l

RT: 2.382 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU045944.D

Acq: 23 Nov 2021 03:37

Instrument :

MSVOA_U

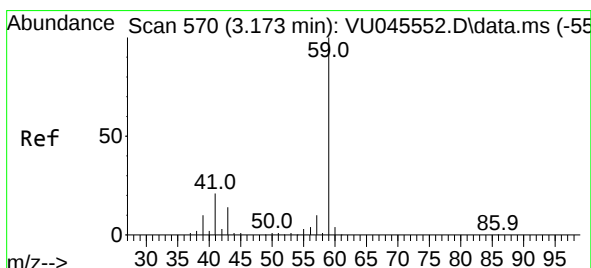
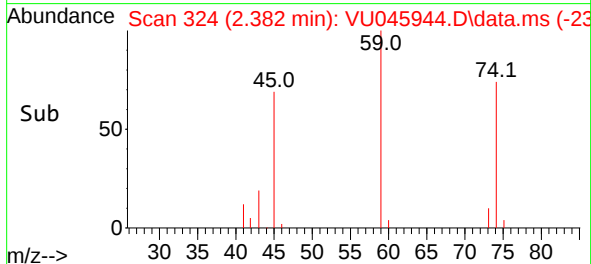
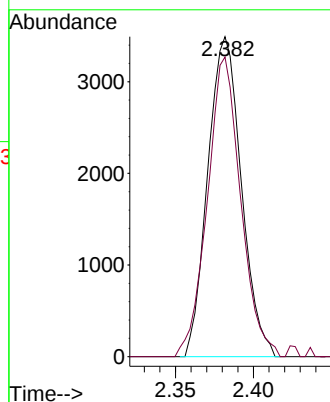
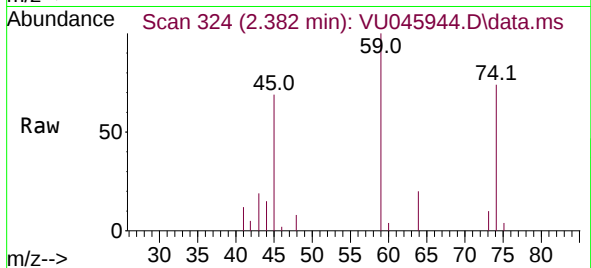
ClientSampleId :

Tgt Ion: 74 Resp: 5223

Ion Ratio Lower Upper

74 100

45 93.0 47.3 141.8



#11

Tert butyl alcohol

Concen: 2.035 ug/l

RT: 3.186 min Scan# 574

Delta R.T. 0.013 min

Lab File: VU045944.D

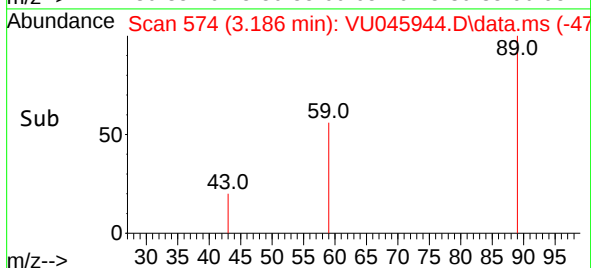
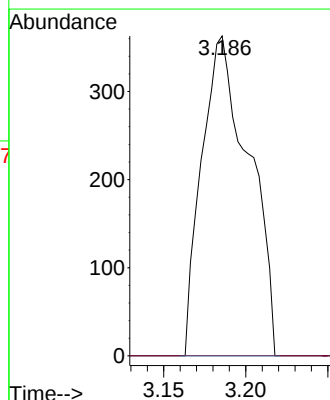
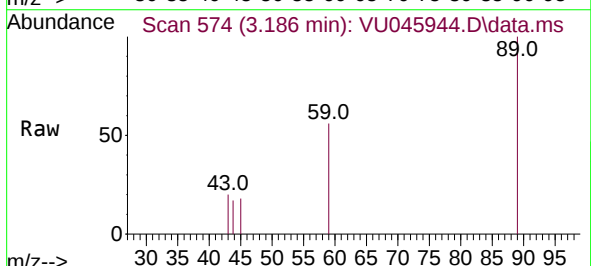
Acq: 23 Nov 2021 03:37

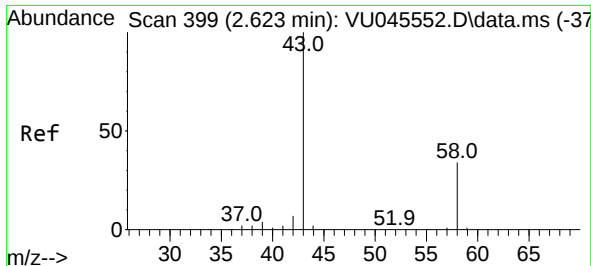
Tgt Ion: 59 Resp: 724

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#16

Acetone

Concen: 25.609 ug/l

RT: 2.661 min Scan# 411

Delta R.T. 0.038 min

Lab File: VU045944.D

Acq: 23 Nov 2021 03:37

Instrument :

MSVOA_U

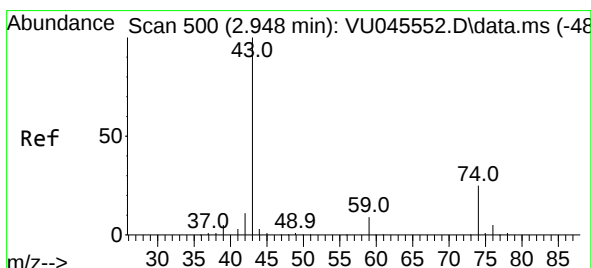
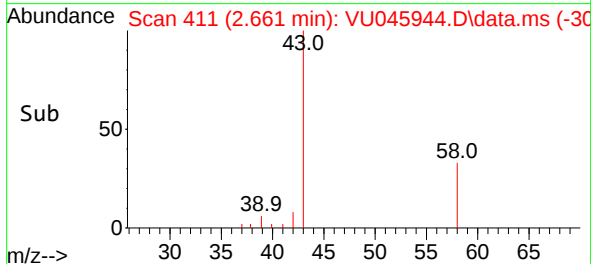
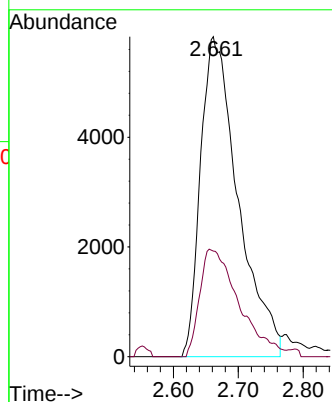
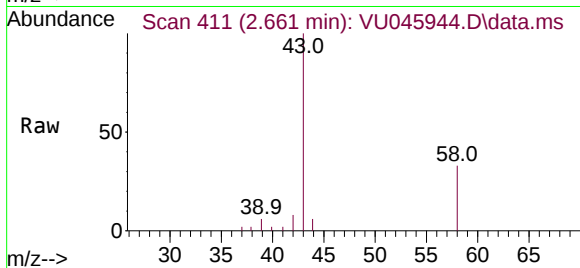
ClientSampleId :

Tgt Ion: 43 Resp: 23428

Ion Ratio Lower Upper

43 100

58 33.0 26.2 39.2



#18

Methyl Acetate

Concen: 0.450 ug/l

RT: 2.970 min Scan# 507

Delta R.T. 0.022 min

Lab File: VU045944.D

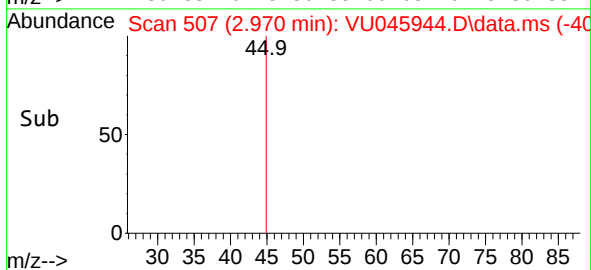
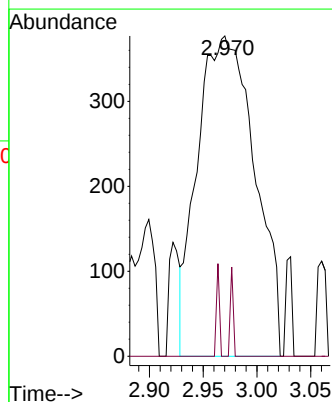
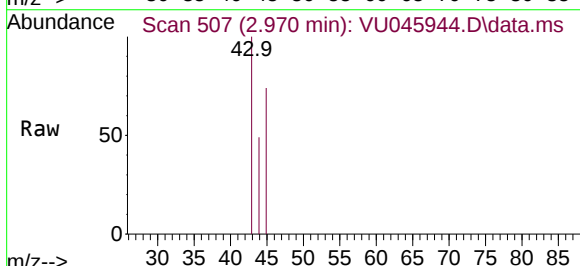
Acq: 23 Nov 2021 03:37

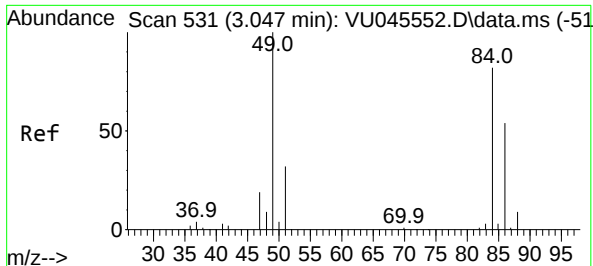
Tgt Ion: 43 Resp: 1402

Ion Ratio Lower Upper

43 100

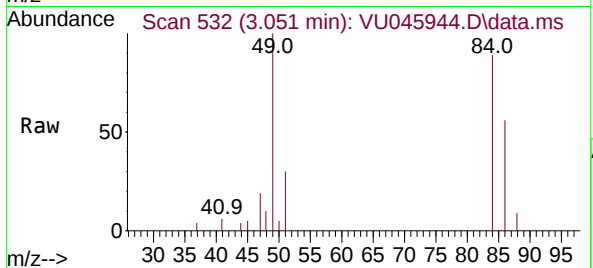
74 1.4 20.2 30.2#



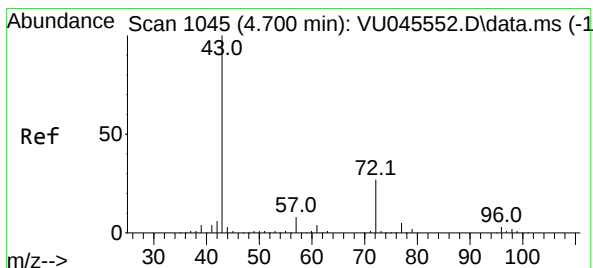
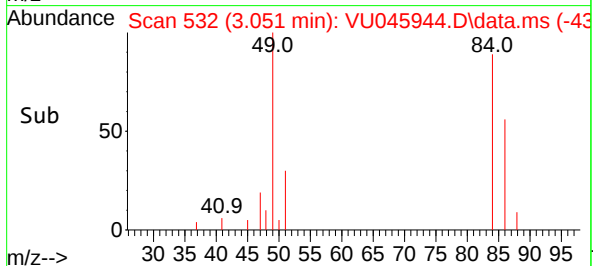
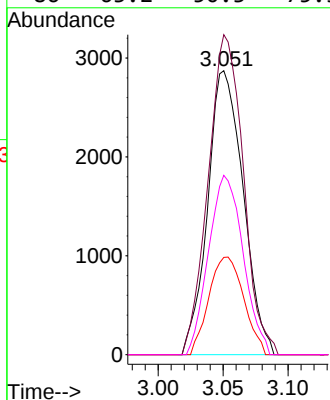


#20
Methylene Chloride
Concen: 3.435 ug/l
RT: 3.051 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

Instrument :
MSVOA_U
ClientSampleId :

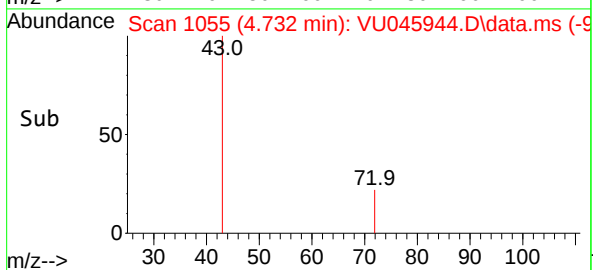
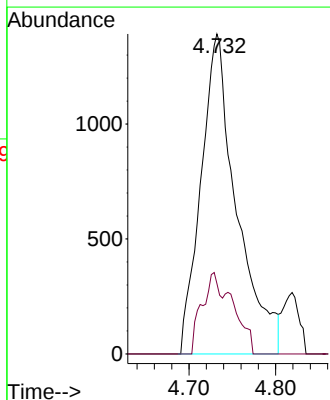
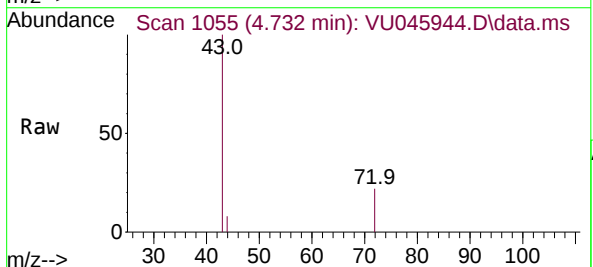


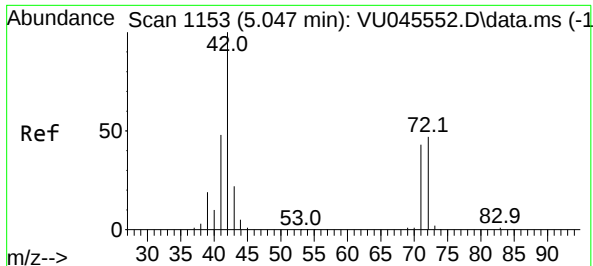
Tgt Ion:	84	Resp:	5460
Ion	Ratio	Lower	Upper
84	100		
49	112.7	96.4	144.6
51	34.3	30.5	45.7
86	63.2	50.3	75.5



#25
2-Butanone
Concen: 3.130 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. 0.032 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

Tgt Ion:	43	Resp:	3972
Ion	Ratio	Lower	Upper
43	100		
72	22.0	22.0	33.0#





#29

Tetrahydrofuran

Concen: 0.287 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.016 min

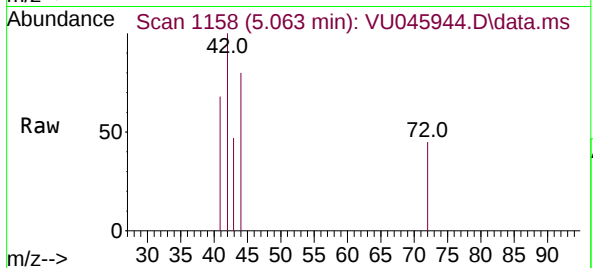
Lab File: VU045944.D

Acq: 23 Nov 2021 03:37

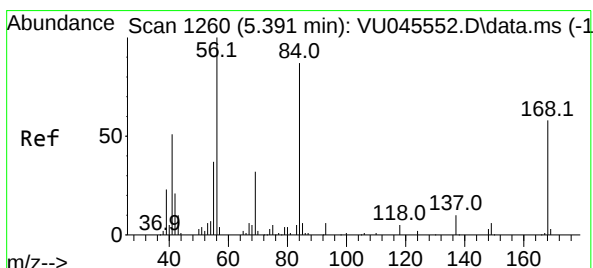
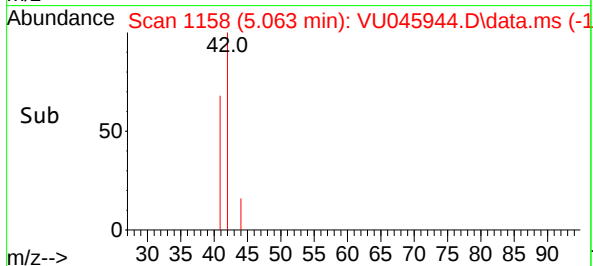
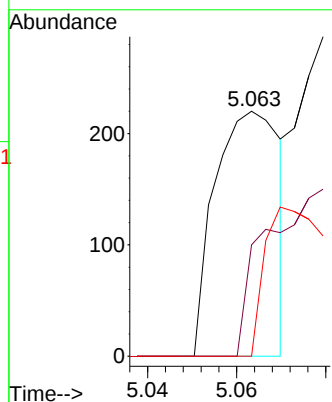
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	42	Resp:	223
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.2	57.4#
71	52.0	35.4	53.2



#31

Cyclohexane

Concen: 0.969 ug/l

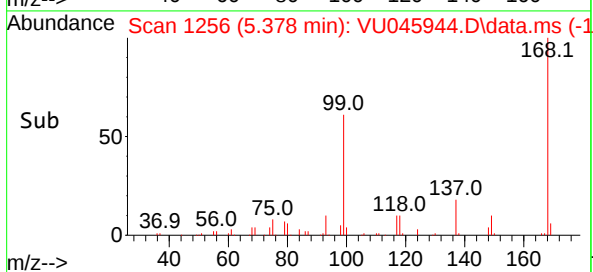
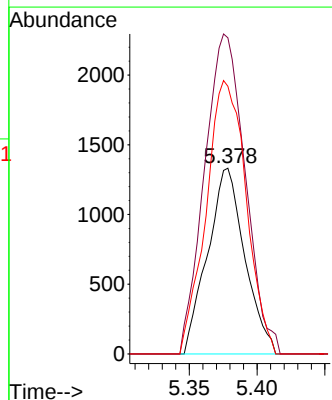
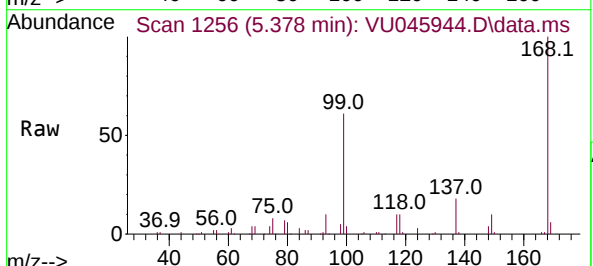
RT: 5.378 min Scan# 1256

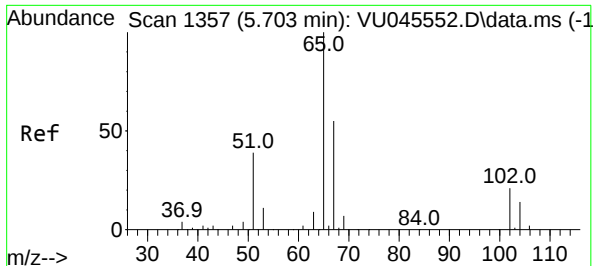
Delta R.T. -0.013 min

Lab File: VU045944.D

Acq: 23 Nov 2021 03:37

Tgt Ion:	56	Resp:	2541
Ion	Ratio	Lower	Upper
56	100		
69	170.3	26.4	39.6#
84	144.1	68.4	102.6#





#33

1,2-Dichloroethane-d4

Concen: 50.596 ug/l

RT: 5.703 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU045944.D

Acq: 23 Nov 2021 03:37

Instrument :

MSVOA_U

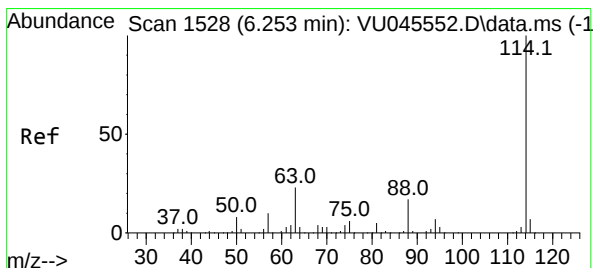
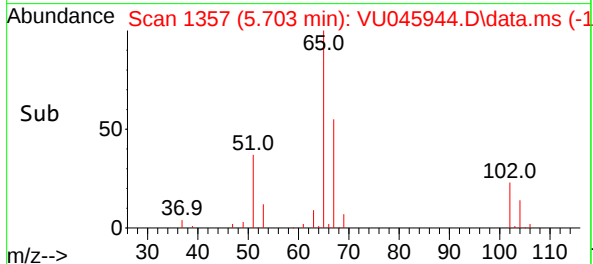
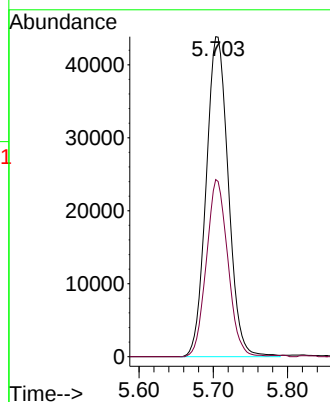
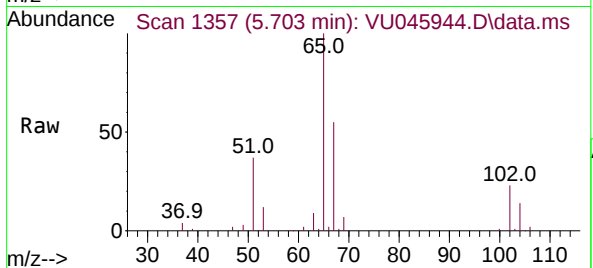
ClientSampleId :

Tgt Ion: 65 Resp: 90929

Ion Ratio Lower Upper

65 100

67 53.5 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: VU045944.D

Acq: 23 Nov 2021 03:37

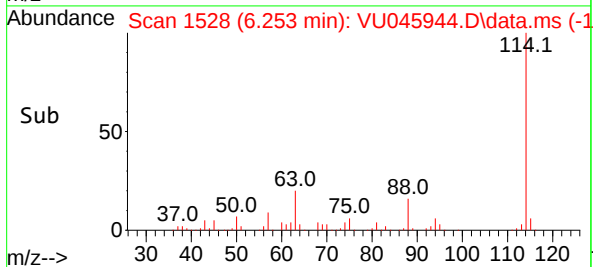
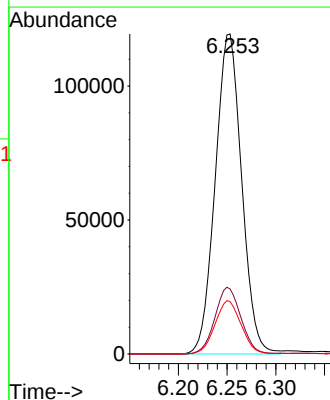
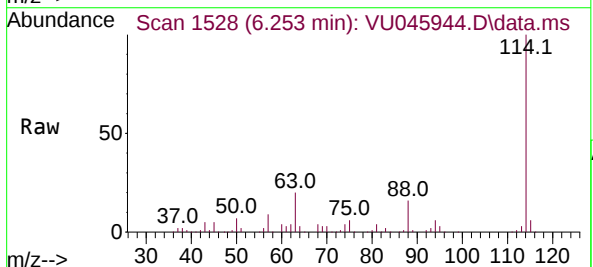
Tgt Ion: 114 Resp: 225185

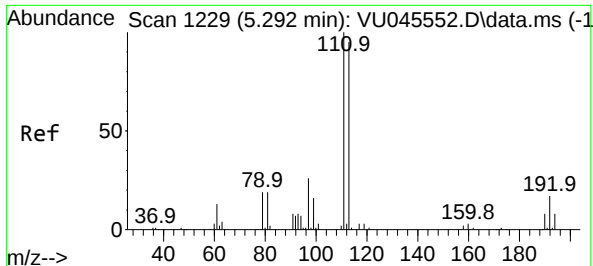
Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.6

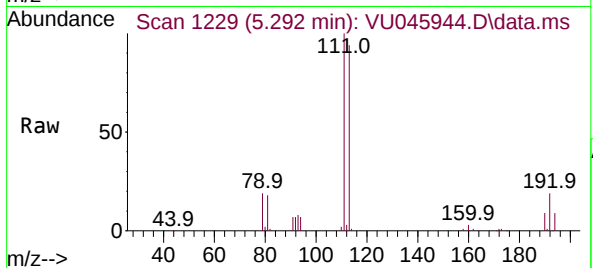
88 16.4 0.0 33.8



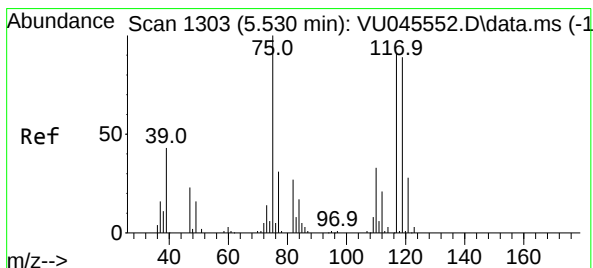
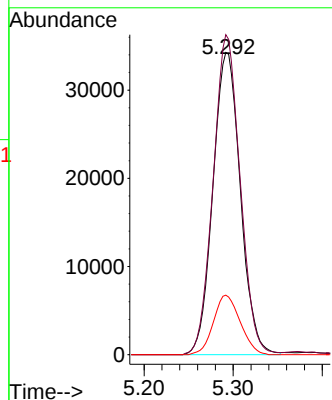
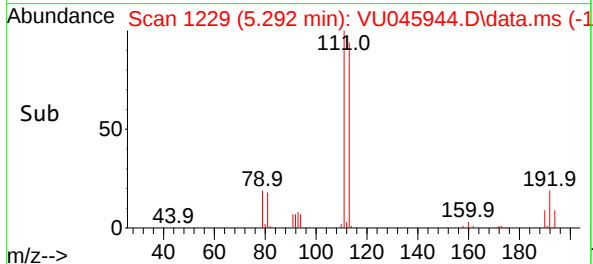


#35
Dibromofluoromethane
Concen: 48.731 ug/l
RT: 5.292 min Scan# 111
Delta R.T. -0.000 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

Instrument :
MSVOA_U
ClientSampleId :

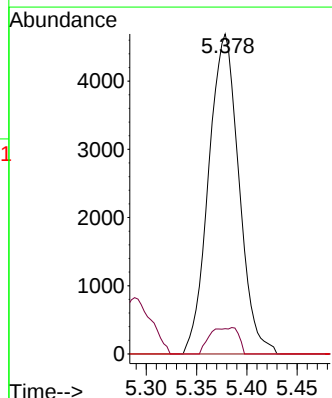
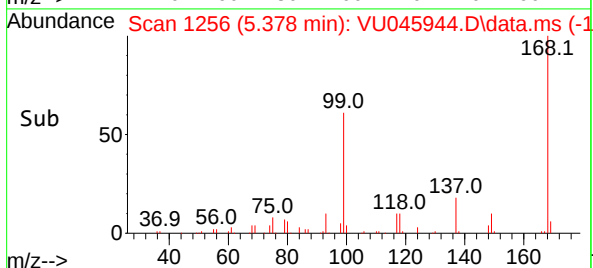
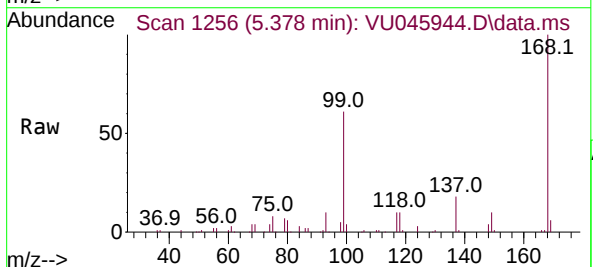


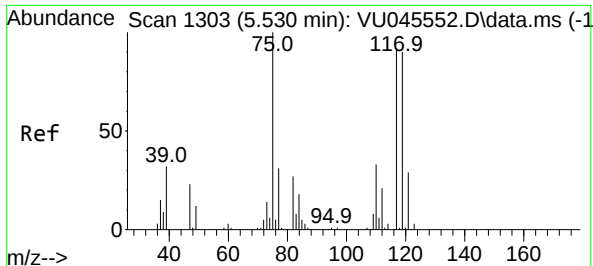
Tgt Ion:113 Resp: 73264
Ion Ratio Lower Upper
113 100
111 104.1 82.8 124.2
192 19.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.486 ug/l
RT: 5.378 min Scan# 1256
Delta R.T. -0.151 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

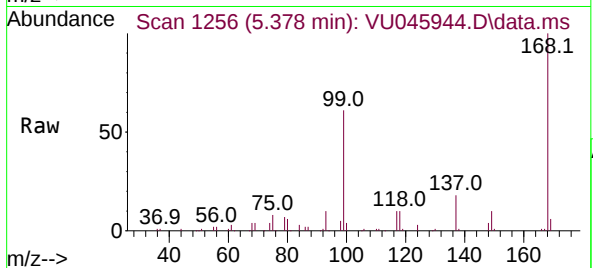
Tgt Ion: 75 Resp: 9851
Ion Ratio Lower Upper
75 100
110 7.7 16.7 50.0#
77 0.0 25.0 37.4#



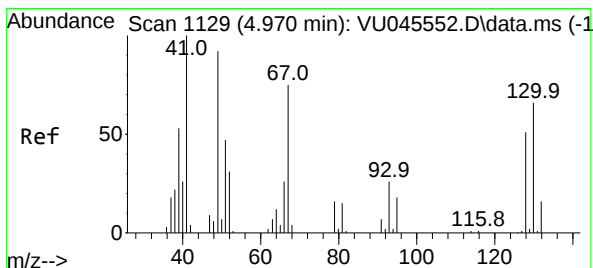
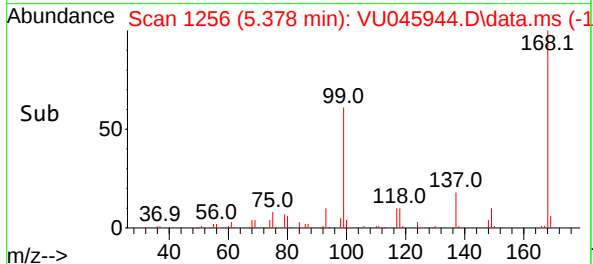
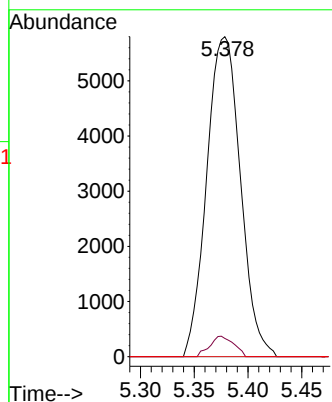


#38
Carbon Tetrachloride
Concen: 5.719 ug/l
RT: 5.378 min Scan# 1162
Delta R.T. -0.151 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

Instrument :
MSVOA_U
ClientSampleId :

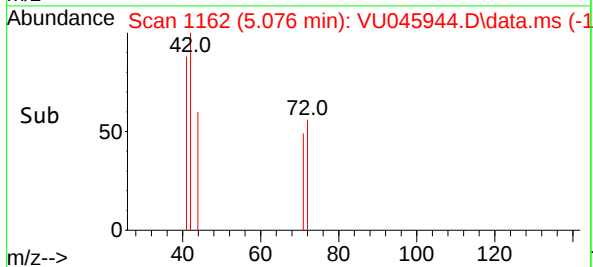
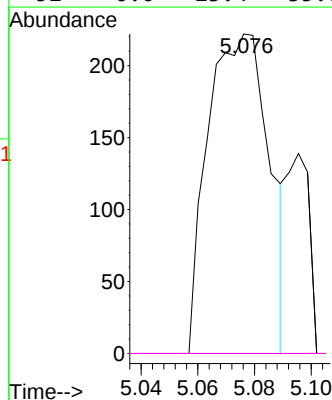
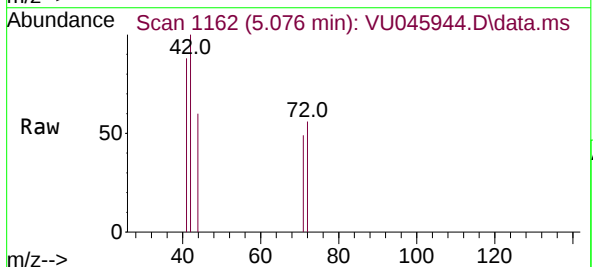


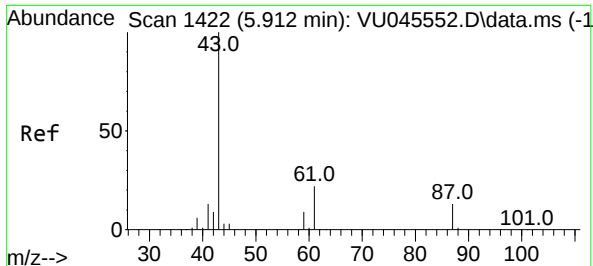
Tgt Ion:117 Resp: 12659
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.0#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.250 ug/l
RT: 5.076 min Scan# 1162
Delta R.T. 0.106 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

Tgt Ion: 41 Resp: 333
Ion Ratio Lower Upper
41 100
39 0.0 43.4 65.0#
67 0.0 61.0 91.4#
52 0.0 23.4 35.0#

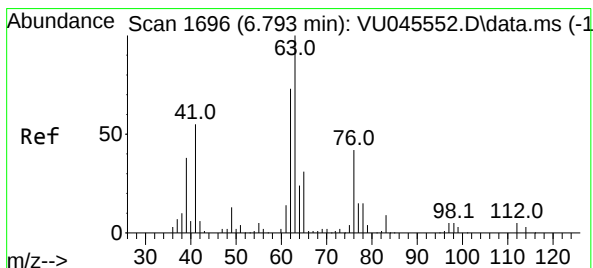
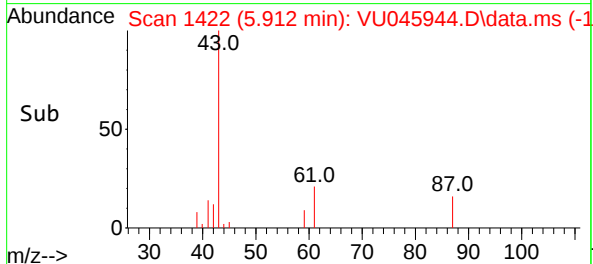
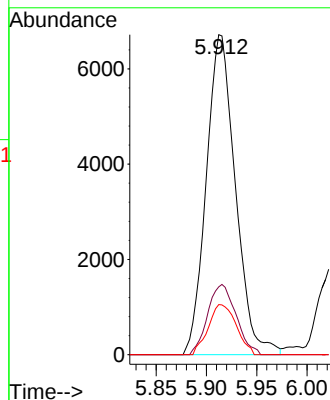
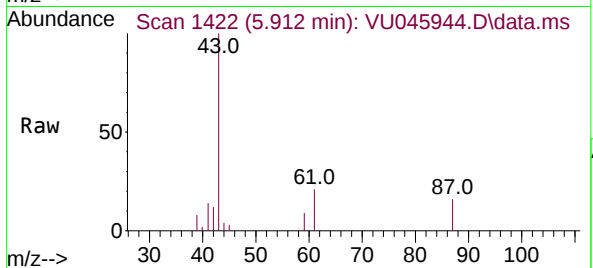




#43
Isopropyl Acetate
Concen: 3.515 ug/l
RT: 5.912 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

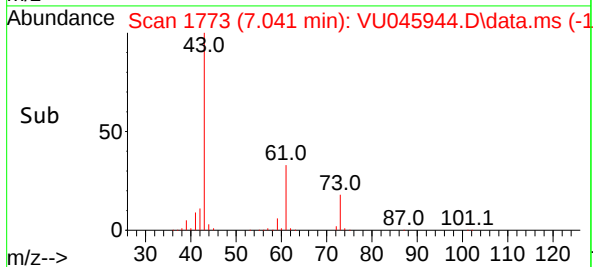
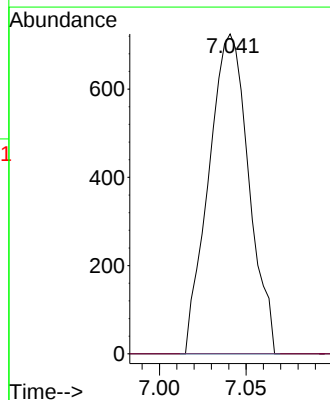
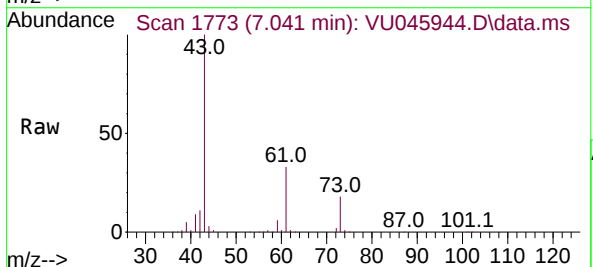
Instrument :
MSVOA_U
ClientSampleId :

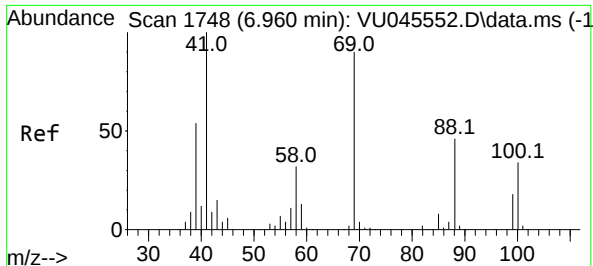
Tgt Ion: 43 Resp: 13560
Ion Ratio Lower Upper
43 100
61 21.3 16.9 25.3
87 15.0 11.0 16.4



#45
1,2-Dichloropropane
Concen: 0.679 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

Tgt Ion: 63 Resp: 1168
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 3.404 ug/l

RT: 6.902 min Scan# 1

Delta R.T. -0.058 min

Lab File: VU045944.D

Acq: 23 Nov 2021 03:37

Instrument :

MSVOA_U

ClientSampleId :

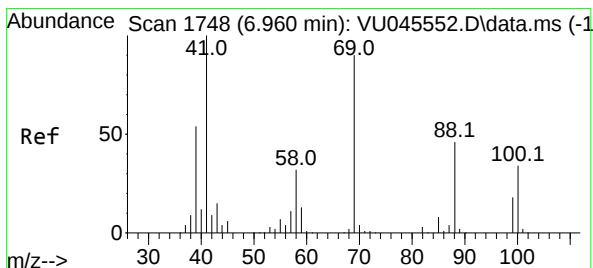
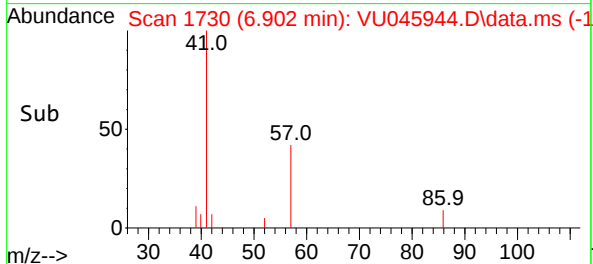
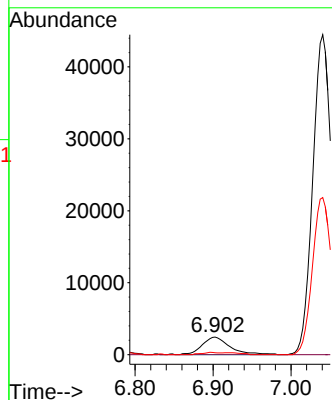
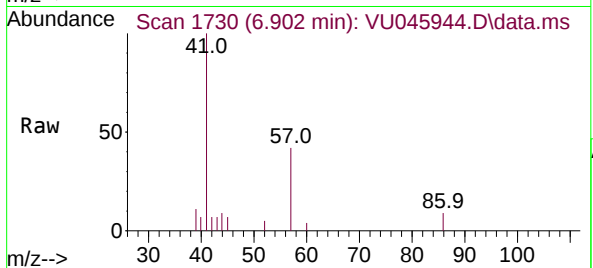
Tgt Ion: 41 Resp: 6045

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#



#49

1,4-Dioxane

Concen: 1.402 ug/l

RT: 7.047 min Scan# 1775

Delta R.T. 0.087 min

Lab File: VU045944.D

Acq: 23 Nov 2021 03:37

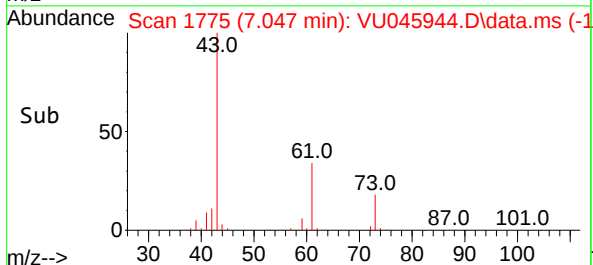
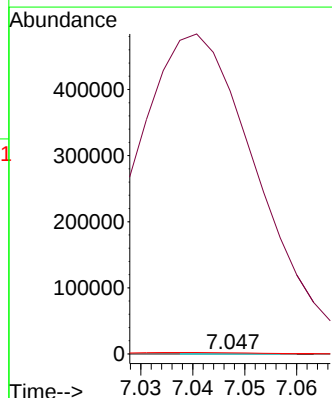
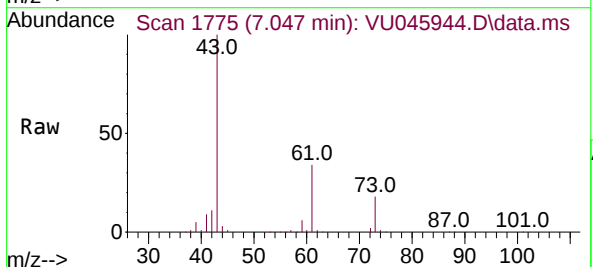
Tgt Ion: 88 Resp: 64

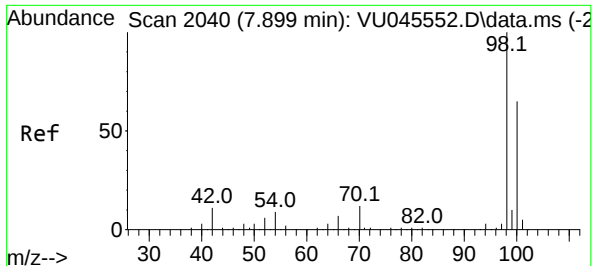
Ion Ratio Lower Upper

88 100

43 1344750.0 0.0 0.0#

58 6489.1 58.7 88.1#

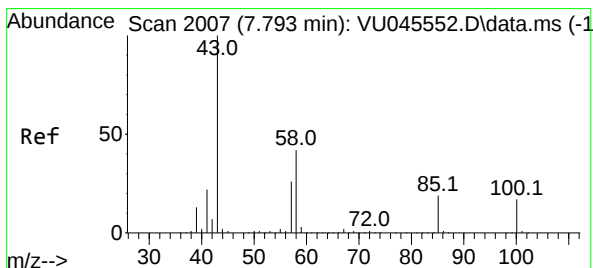
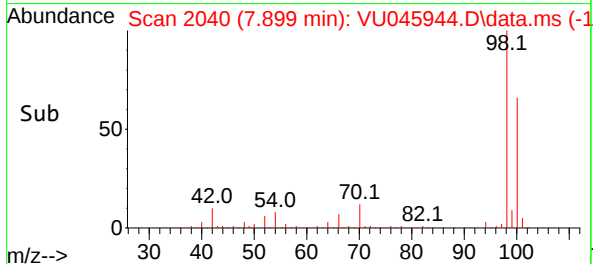
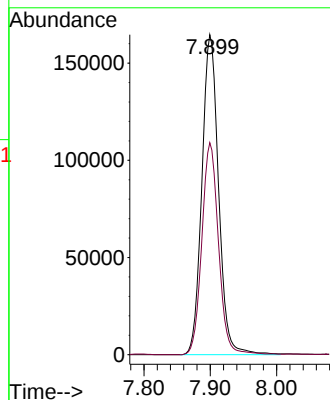
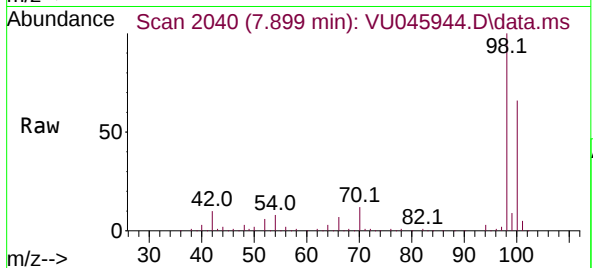




#50
Toluene-d8
Concen: 51.409 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

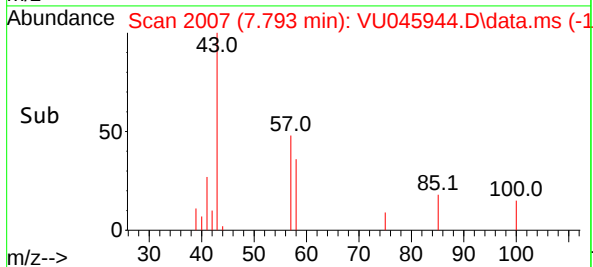
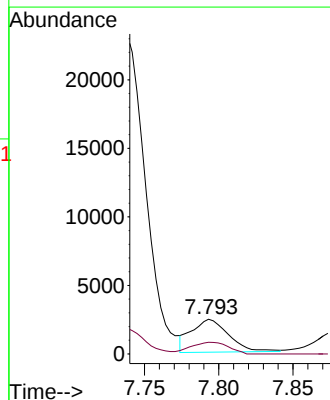
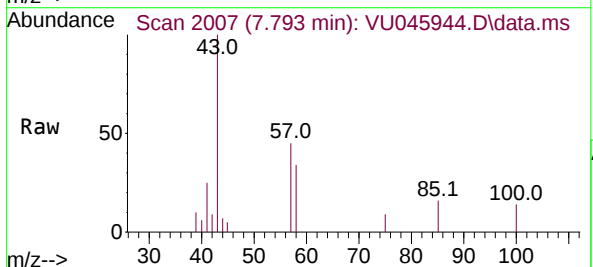
Instrument :
MSVOA_U
ClientSampleId :

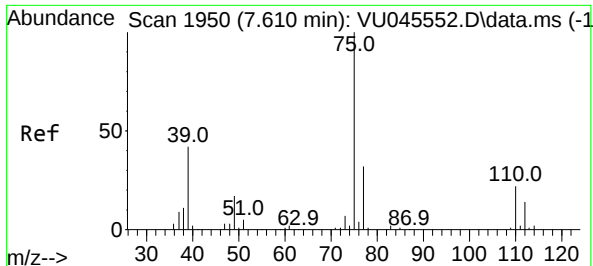
Tgt Ion: 98 Resp: 287406
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.645 ug/l
RT: 7.793 min Scan# 2007
Delta R.T. -0.000 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

Tgt Ion: 43 Resp: 4187
Ion Ratio Lower Upper
43 100
58 36.7 33.8 50.8

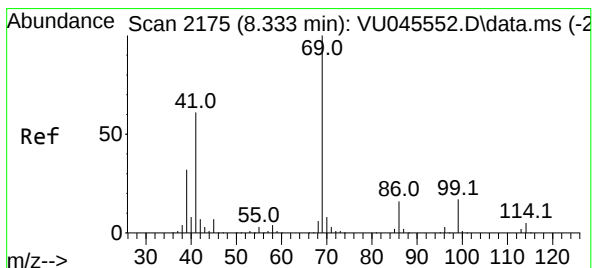
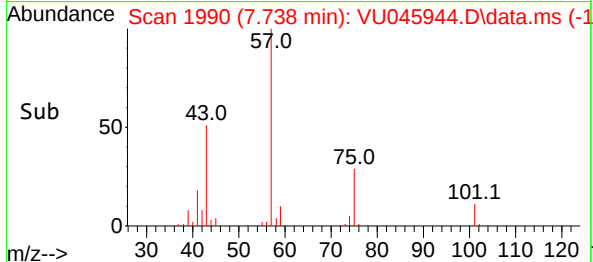
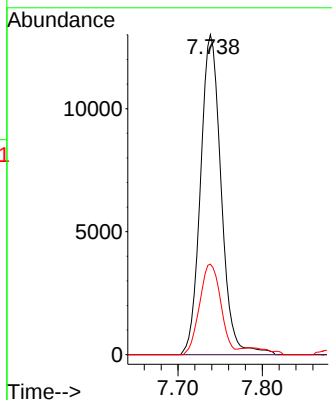
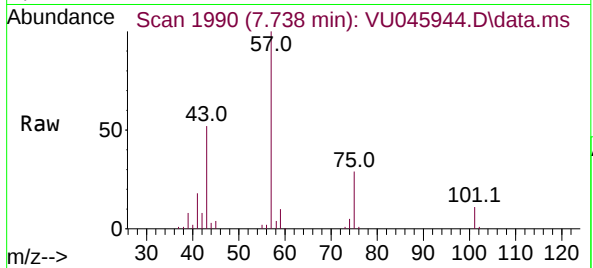




#54
 cis-1,3-Dichloropropene
 Concen: 8.053 ug/l
 RT: 7.738 min Scan# 1950
 Delta R.T. 0.129 min
 Lab File: VU045944.D
 Acq: 23 Nov 2021 03:37

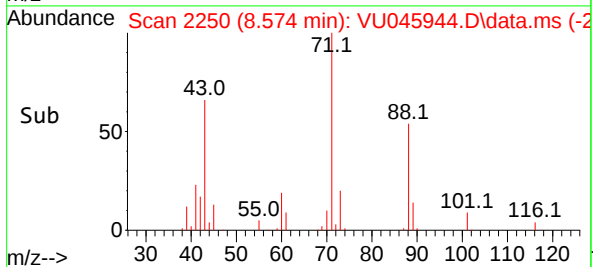
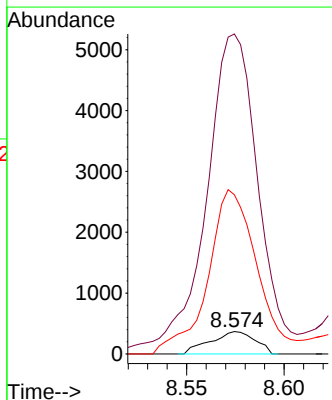
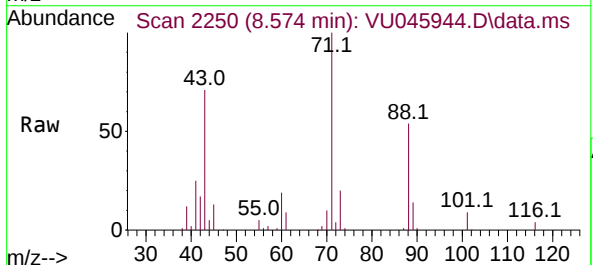
Instrument :
 MSVOA_U
 ClientSampleId :

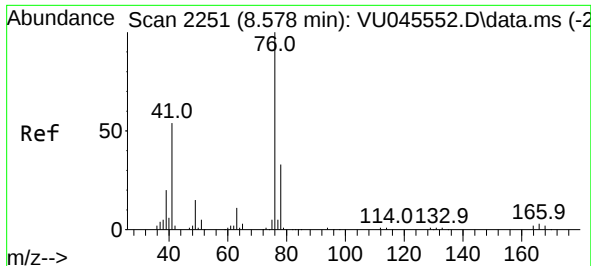
Tgt Ion: 75 Resp: 22230
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 28.3 37.1 55.7#



#56
 Ethyl methacrylate
 Concen: 2.613 ug/l
 RT: 8.574 min Scan# 2250
 Delta R.T. 0.241 min
 Lab File: VU045944.D
 Acq: 23 Nov 2021 03:37

Tgt Ion: 69 Resp: 589
 Ion Ratio Lower Upper
 69 100
 41 1660.1 51.0 76.4#
 39 797.5 26.6 39.8#





#57

1,3-Dichloropropane

Concen: 5.188 ug/l

RT: 8.726 min Scan# 21

Delta R.T. 0.148 min

Lab File: VU045944.D

Acq: 23 Nov 2021 03:37

Instrument :

MSVOA_U

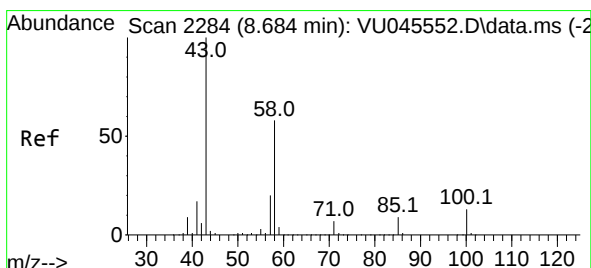
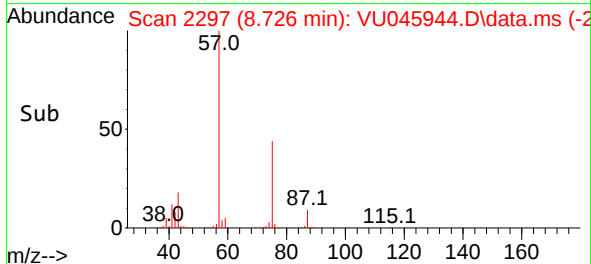
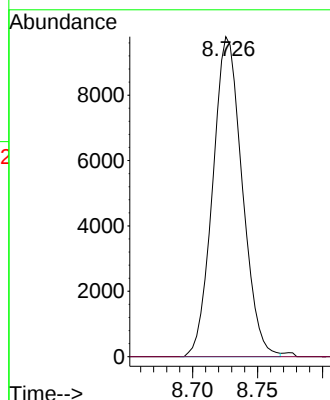
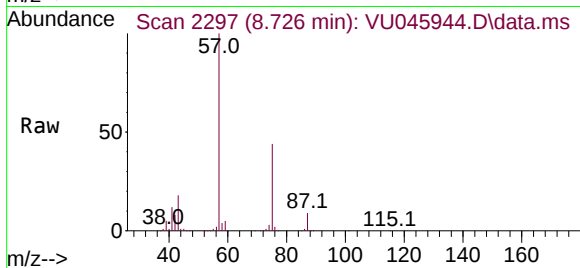
ClientSampleId :

Tgt Ion: 76 Resp: 15414

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 88.711 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.045 min

Lab File: VU045944.D

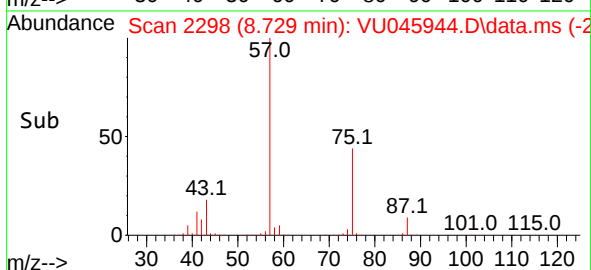
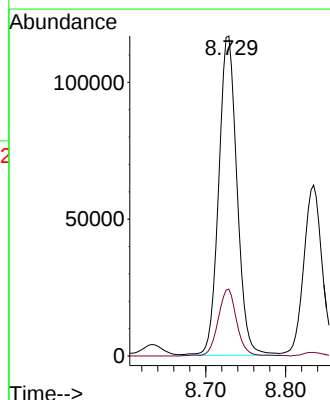
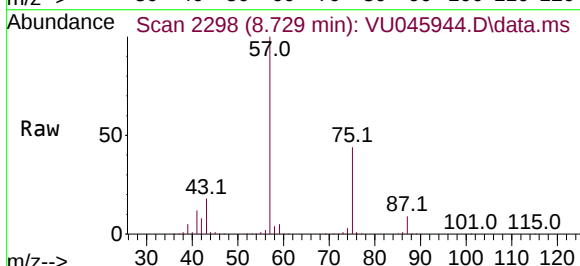
Acq: 23 Nov 2021 03:37

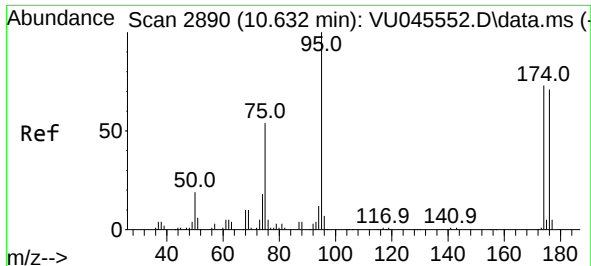
Tgt Ion: 43 Resp: 185342

Ion Ratio Lower Upper

43 100

58 21.2 29.5 88.6#





#62

4-Bromofluorobenzene

Concen: 50.868 ug/l

RT: 10.635 min Scan# 2890

Delta R.T. 0.003 min

Lab File: VU045944.D

Acq: 23 Nov 2021 03:37

Instrument :

MSVOA_U

ClientSampleId :

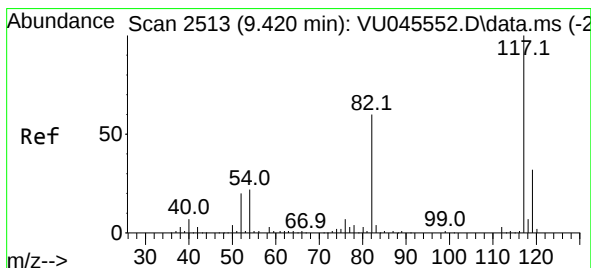
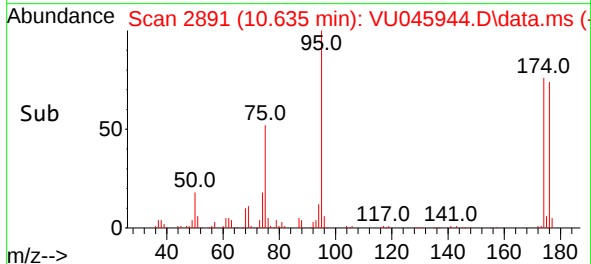
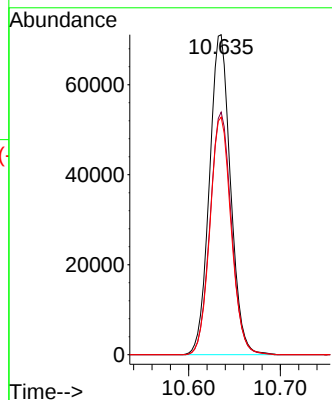
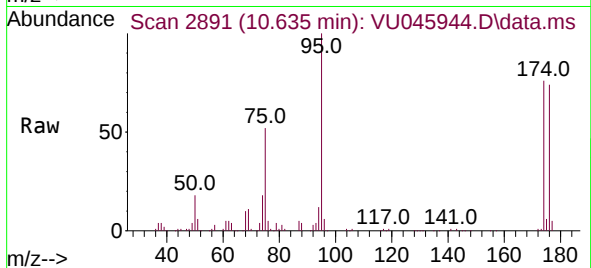
Tgt Ion: 95 Resp: 114035

Ion Ratio Lower Upper

95 100

174 76.6 0.0 141.8

176 74.6 0.0 138.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.420 min Scan# 2513

Delta R.T. 0.000 min

Lab File: VU045944.D

Acq: 23 Nov 2021 03:37

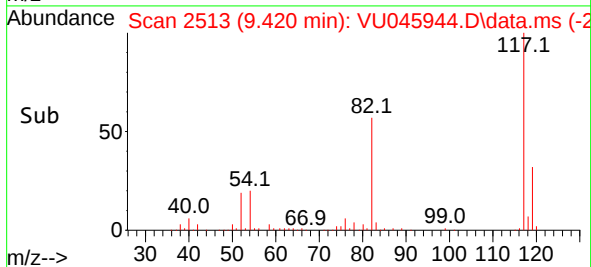
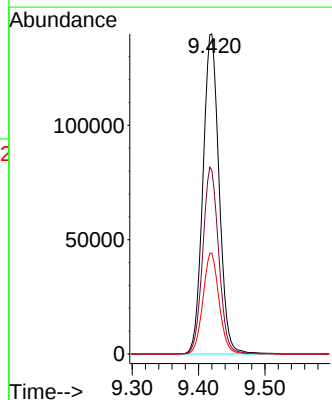
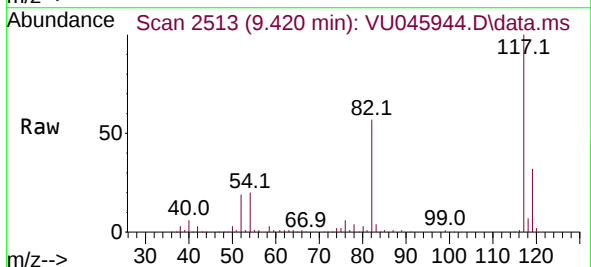
Tgt Ion: 117 Resp: 237286

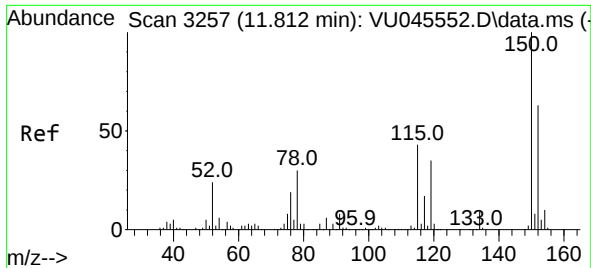
Ion Ratio Lower Upper

117 100

82 57.4 47.8 71.8

119 31.5 25.8 38.8

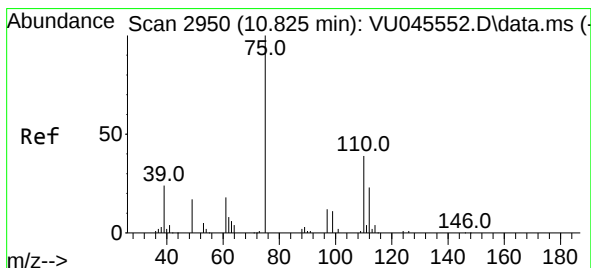
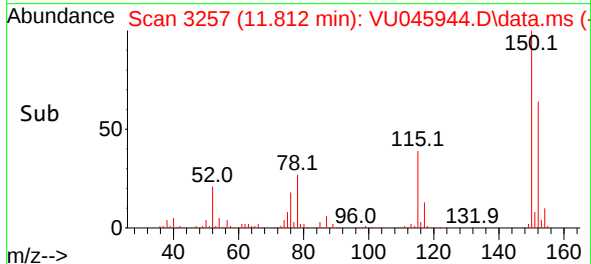
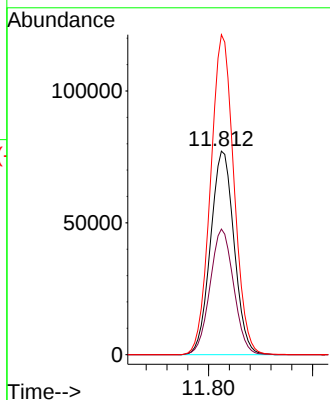
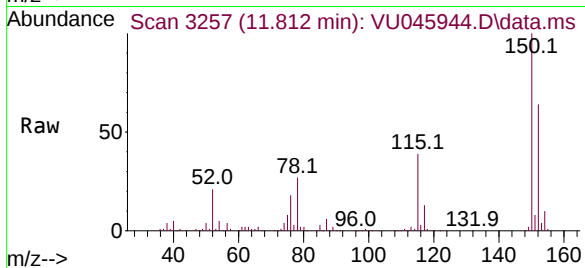




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU045944.D
 Acq: 23 Nov 2021 03:37

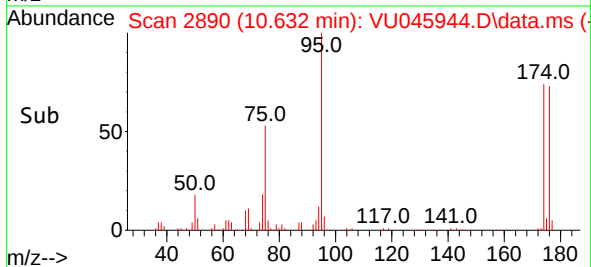
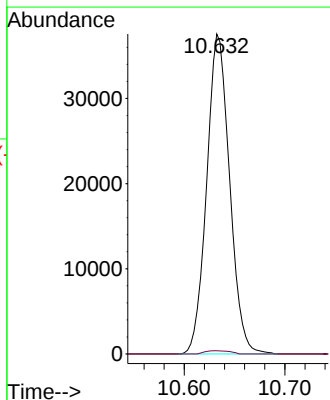
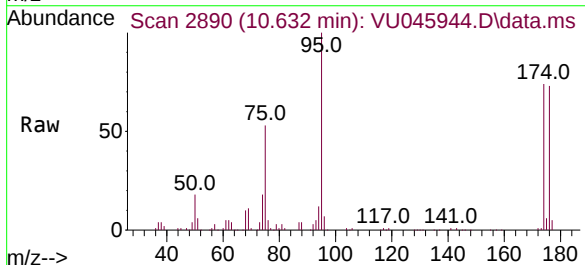
Instrument :
 MSVOA_U
 ClientSampleId :

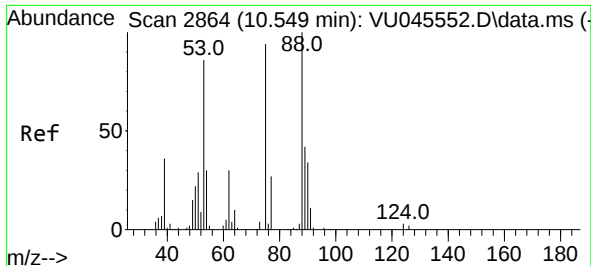
Tgt Ion:152 Resp: 121765
 Ion Ratio Lower Upper
 152 100
 115 61.8 42.7 128.1
 150 155.7 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 16.116 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.193 min
 Lab File: VU045944.D
 Acq: 23 Nov 2021 03:37

Tgt Ion: 75 Resp: 59509
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.1 51.3#

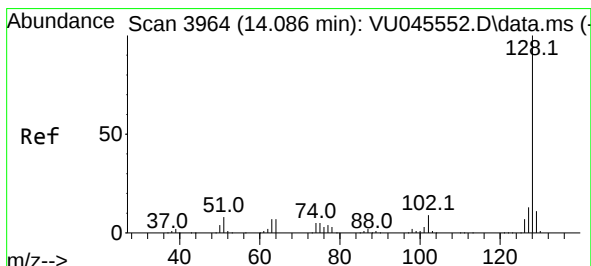
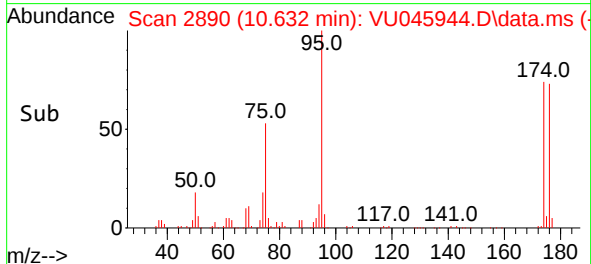
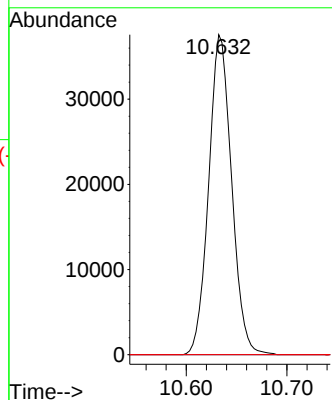
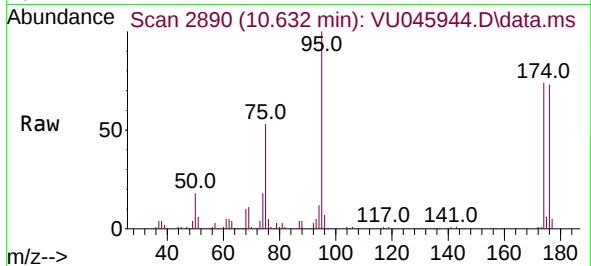




#81
trans-1,4-Dichloro-2-butene
Concen: 52.627 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.083 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 59509
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.101 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU045944.D
Acq: 23 Nov 2021 03:37

Tgt Ion: 128 Resp: 726
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

