

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111021\
 Data File : VU045692.D
 Acq On : 10 Nov 2021 16:54
 Operator : SY/MD
 Sample : M4501-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 72-11929

Quant Time: Nov 10 17:18:33 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

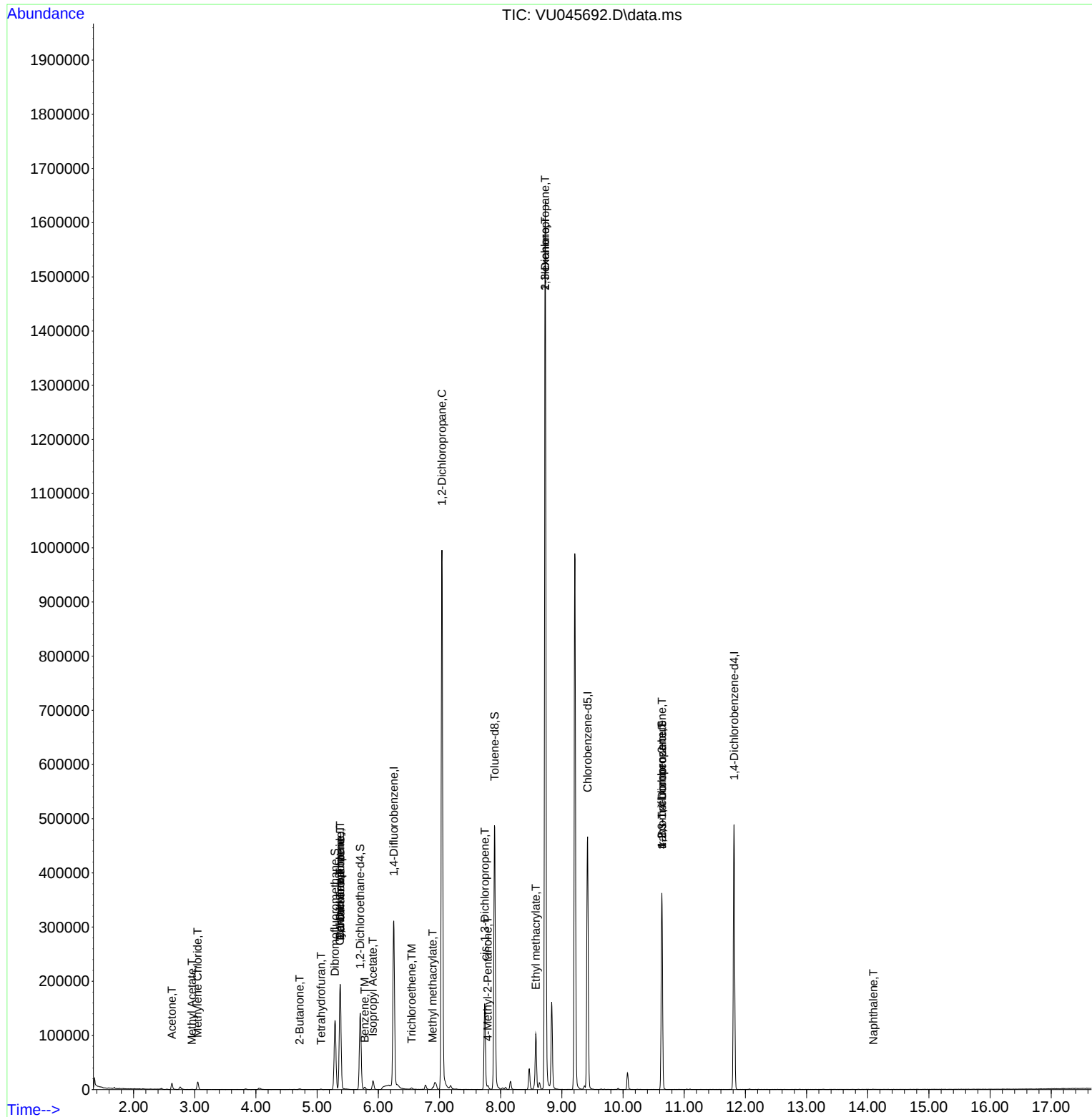
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

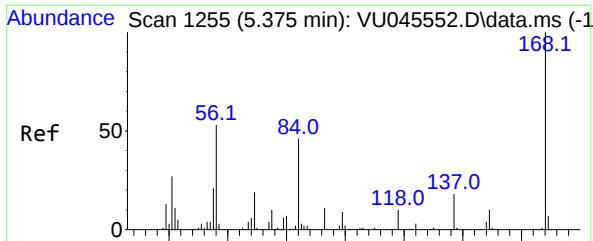
Internal Standards						
1) Pentafluorobenzene	5.379	168	126313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	239629	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	251651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	120576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	105466	55.753	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.500%	
35) Dibromofluoromethane	5.292	113	81690	51.060	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.120%	
50) Toluene-d8	7.899	98	322487	54.207	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.420%	
62) 4-Bromofluorobenzene	10.636	95	120647	50.574	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.140%	
Target Compounds						
					Qvalue	
16) Acetone	2.626	43	12998	13.498	ug/l	97
18) Methyl Acetate	2.954	43	755	0.230	ug/l #	50
20) Methylene Chloride	3.047	84	6835	4.085	ug/l	93
25) 2-Butanone	4.713	43	2274	1.703	ug/l	98
29) Tetrahydrofuran	5.067	42	561	0.687	ug/l #	62
31) Cyclohexane	5.372	56	2782	1.008	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	11523	4.932	ug/l #	49
38) Carbon Tetrachloride	5.375	117	13758	5.840	ug/l #	17
40) Benzene	5.777	78	3643	0.527	ug/l #	87
43) Isopropyl Acetate	5.912	43	16684	4.064	ug/l	99
44) Trichloroethene	6.546	130	890	0.537	ug/l	64
45) 1,2-Dichloropropane	7.041	63	1144	0.625	ug/l #	43
48) Methyl methacrylate	6.890	41	5818	3.079	ug/l #	13
51) 4-Methyl-2-Pentanone	7.790	43	4119	1.521	ug/l	90
54) cis-1,3-Dichloropropene	7.742	75	27911	9.501	ug/l #	63
56) Ethyl methacrylate	8.575	69	775	2.658	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	16708	5.285	ug/l #	42
59) 2-Hexanone	8.729	43	216506	96.645	ug/l #	49
76) 1,2,3-Trichloropropane	10.636	75	64907	17.751	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.636	75	64907	57.663	ug/l #	12
95) Naphthalene	14.092	128	573	1.086	ug/l #	69

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

Instrument :
MSVOA_U
ClientSampleId :
72-11929

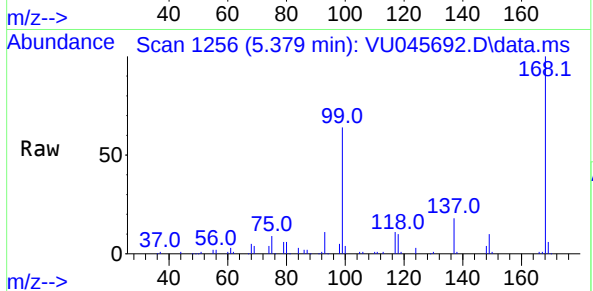
Instrument :
MSVOA_U
ClientSampleId :
72-11929



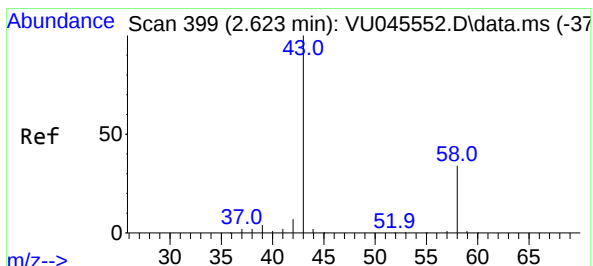
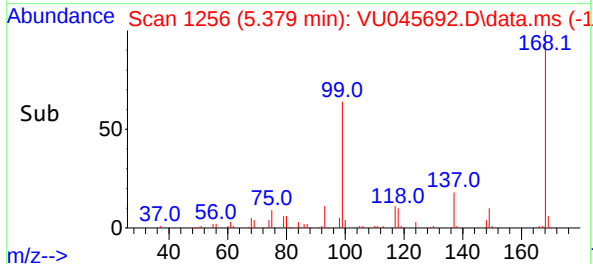
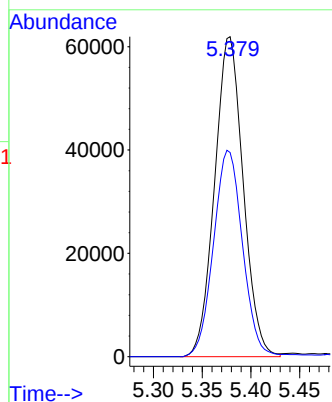


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

Instrument :
MSVOA_U
ClientSampleId :
72-11929

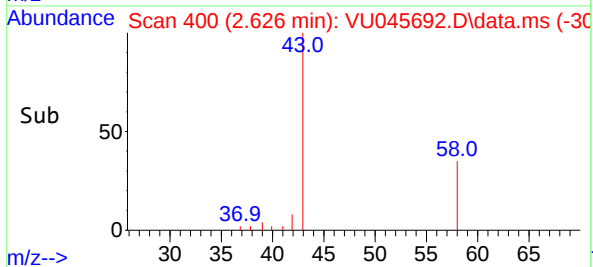
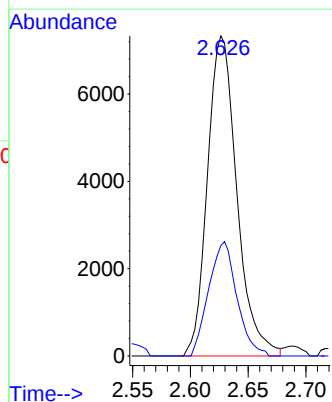
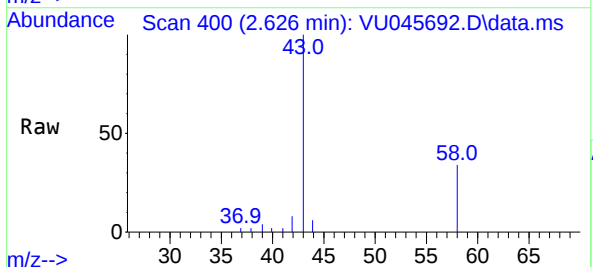


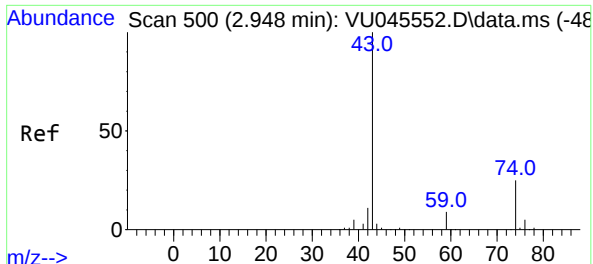
Tgt Ion:168 Resp: 126313
Ion Ratio Lower Upper
168 100
99 63.8 51.0 76.6



#16
Acetone
Concen: 13.498 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

Tgt Ion: 43 Resp: 12998
Ion Ratio Lower Upper
43 100
58 34.5 26.2 39.2





#18

Methyl Acetate

Concen: 0.230 ug/l

RT: 2.954 min Scan# 500

Delta R.T. 0.006 min

Lab File: VU045692.D

Acq: 10 Nov 2021 16:54

Instrument :

MSVOA_U

ClientSampleId :

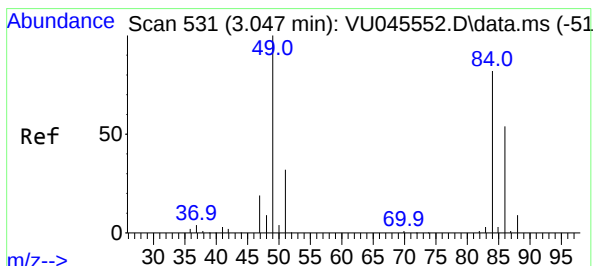
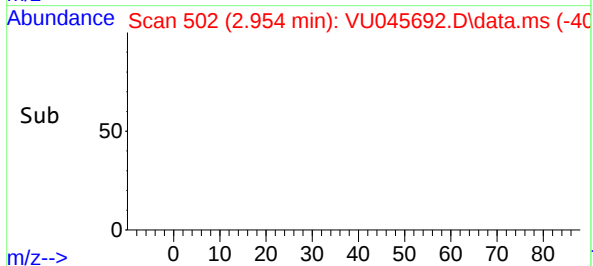
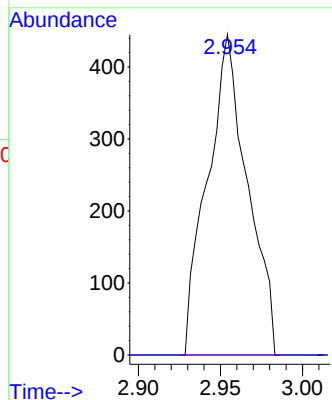
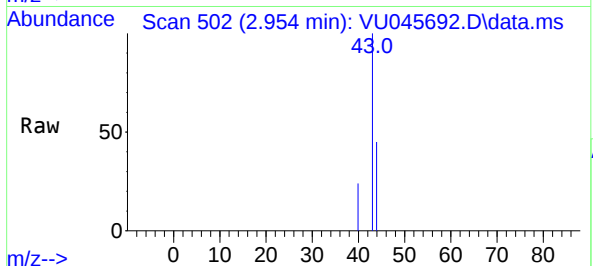
72-11929

Tgt Ion: 43 Resp: 755

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#



#20

Methylene Chloride

Concen: 4.085 ug/l

RT: 3.047 min Scan# 531

Delta R.T. 0.000 min

Lab File: VU045692.D

Acq: 10 Nov 2021 16:54

Tgt Ion: 84 Resp: 6835

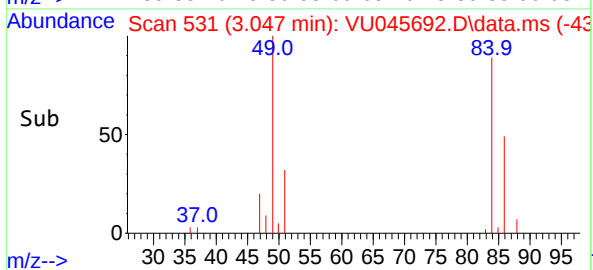
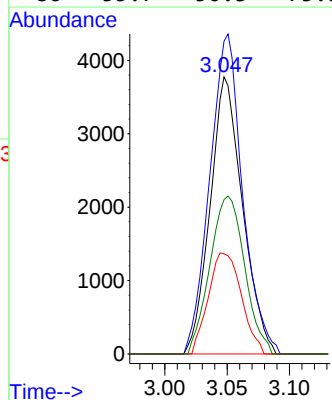
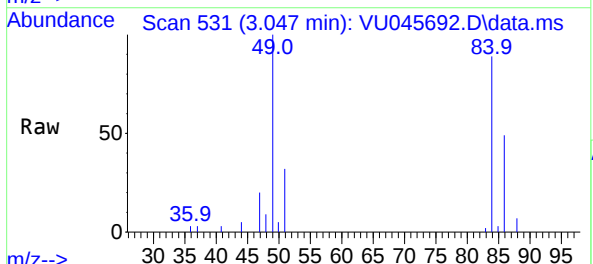
Ion Ratio Lower Upper

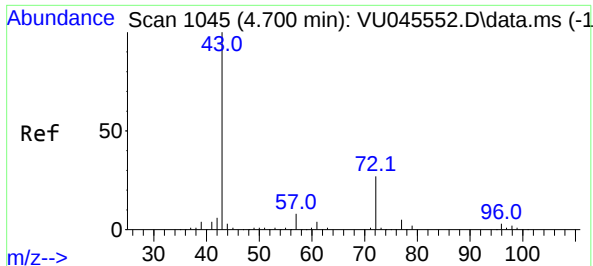
84 100

49 112.8 96.4 144.6

51 36.1 30.5 45.7

86 55.7 50.3 75.5





#25

2-Butanone

Concen: 1.703 ug/l

RT: 4.713 min Scan# 1049

Delta R.T. 0.013 min

Lab File: VU045692.D

Acq: 10 Nov 2021 16:54

Instrument :

MSVOA_U

ClientSampleId :

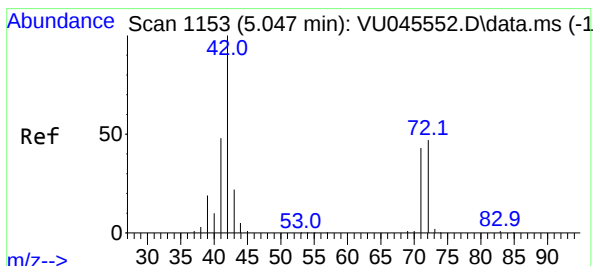
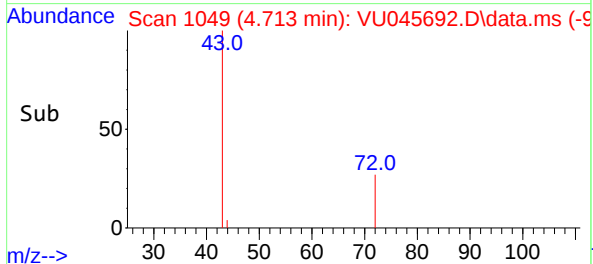
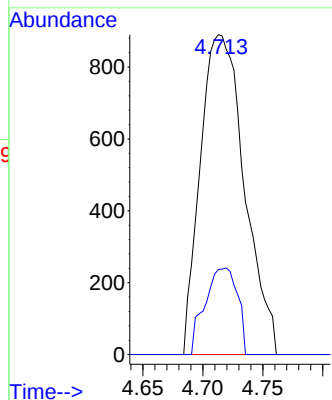
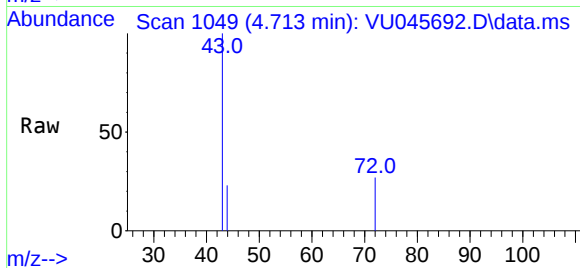
72-11929

Tgt Ion: 43 Resp: 2274

Ion Ratio Lower Upper

43 100

72 26.6 22.0 33.0



#29

Tetrahydrofuran

Concen: 0.687 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.019 min

Lab File: VU045692.D

Acq: 10 Nov 2021 16:54

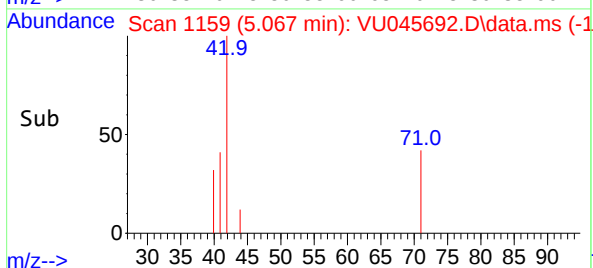
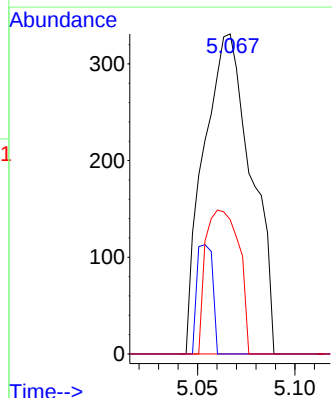
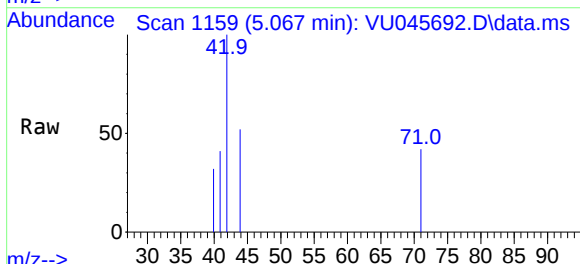
Tgt Ion: 42 Resp: 561

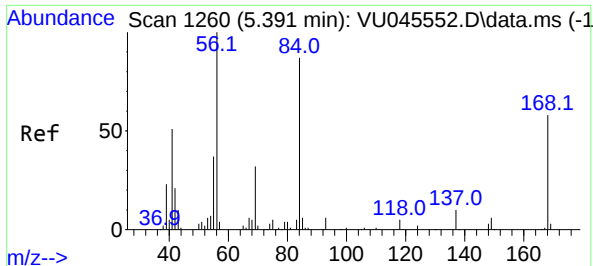
Ion Ratio Lower Upper

42 100

72 11.4 38.2 57.4#

71 31.4 35.4 53.2#

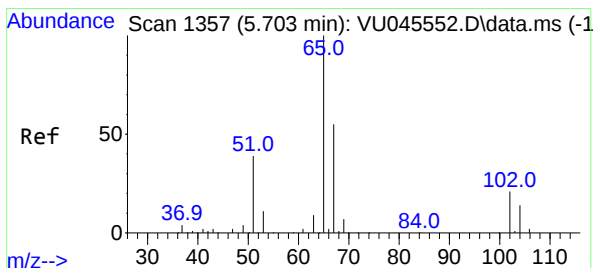
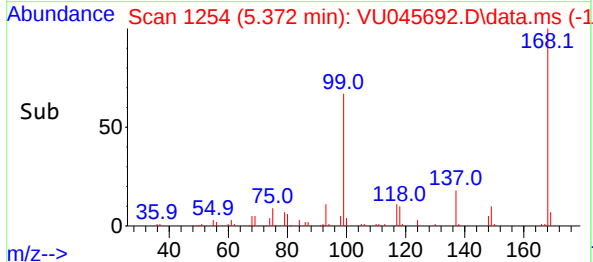
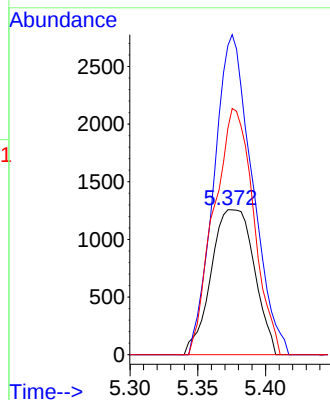
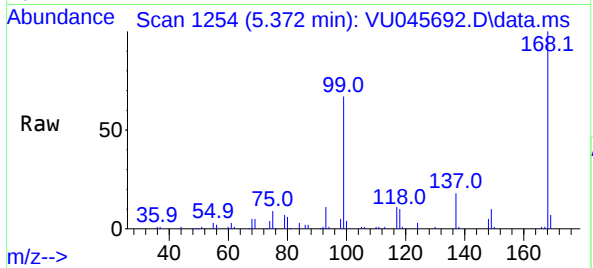




#31
Cyclohexane
Concen: 1.008 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

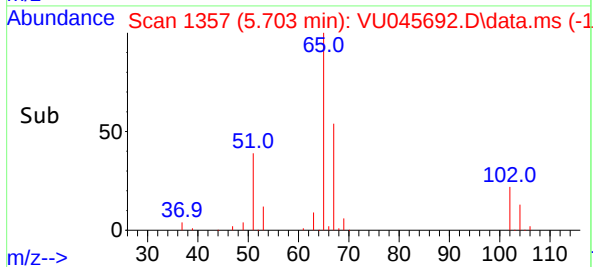
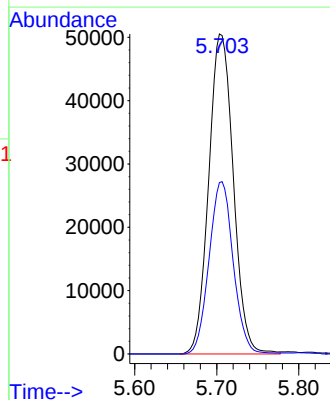
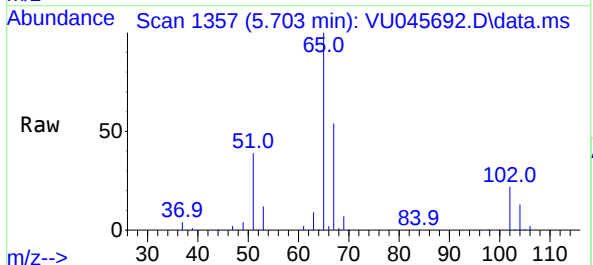
Instrument :
MSVOA_U
ClientSampleId :
72-11929

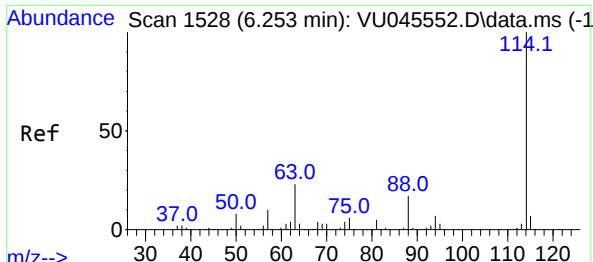
Tgt Ion: 56 Resp: 2782
Ion Ratio Lower Upper
56 100
69 213.2 26.4 39.6#
84 156.1 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 55.753 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

Tgt Ion: 65 Resp: 105466
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

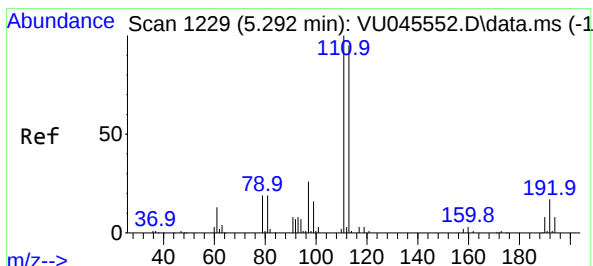
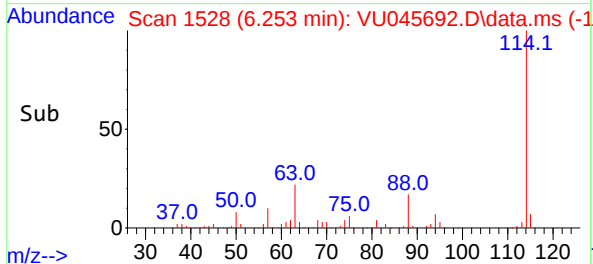
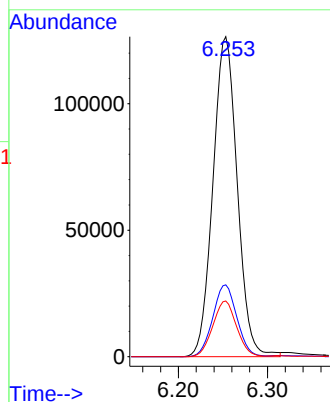
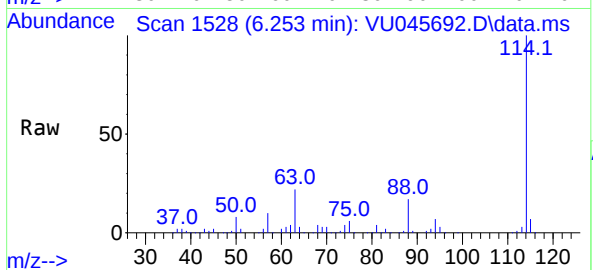




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 114
Delta R.T. 0.000 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

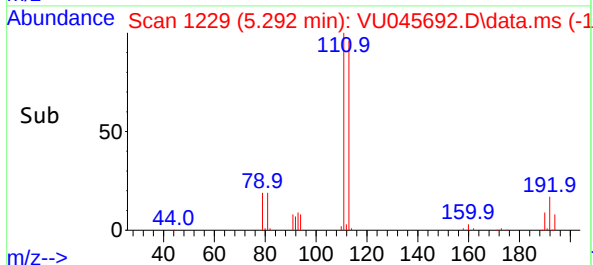
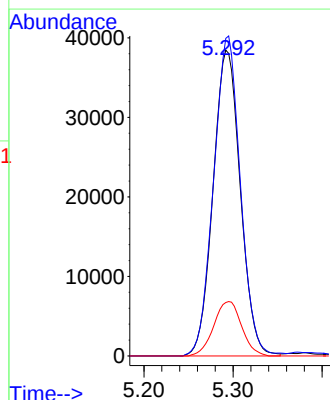
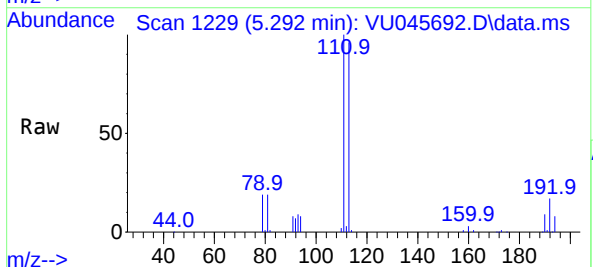
Instrument :
MSVOA_U
ClientSampleId :
72-11929

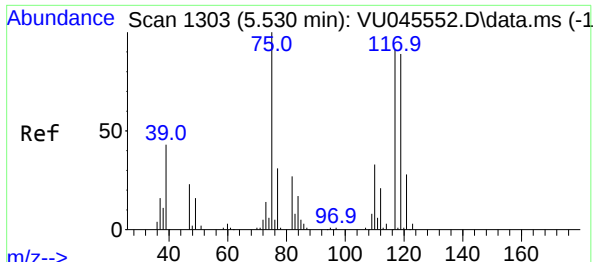
Tgt Ion:114 Resp: 239629
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.6
88 17.4 0.0 33.8



#35
Dibromofluoromethane
Concen: 51.060 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

Tgt Ion:113 Resp: 81690
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 18.3 14.8 22.2

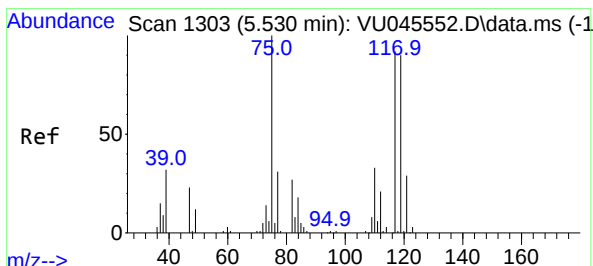
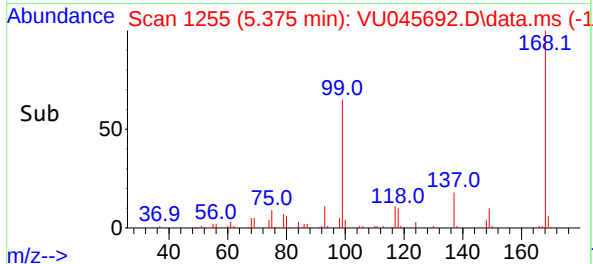
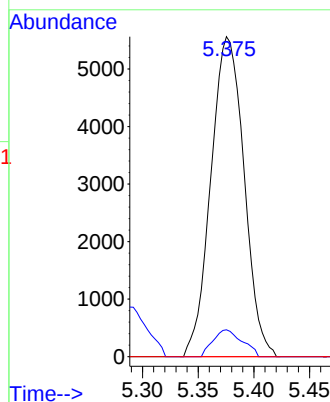
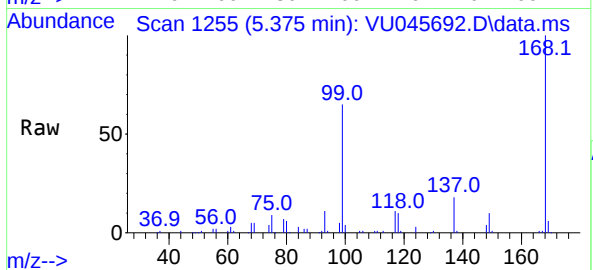




#36
1,1-Dichloropropene
Concen: 4.932 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

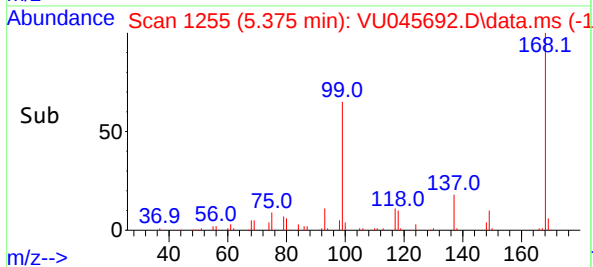
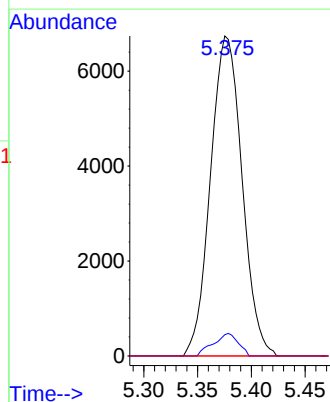
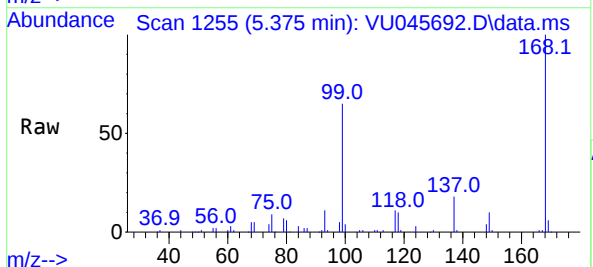
Instrument :
MSVOA_U
ClientSampleId :
72-11929

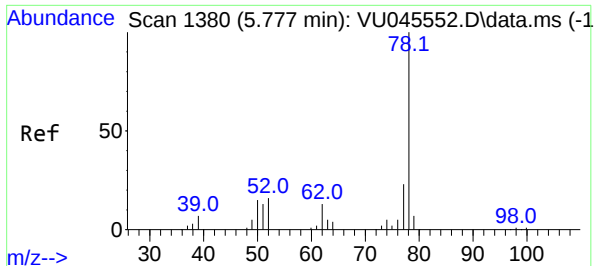
Tgt Ion: 75	Resp: 11523
Ion Ratio	Lower Upper
75	100
110	7.4 16.7 50.0#
77	0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.840 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

Tgt Ion: 117	Resp: 13758
Ion Ratio	Lower Upper
117	100
119	6.7 77.4 116.0#
121	0.0 24.8 37.2#

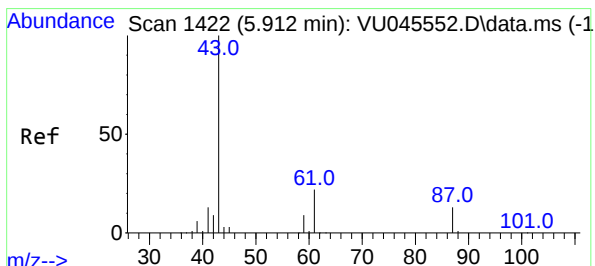
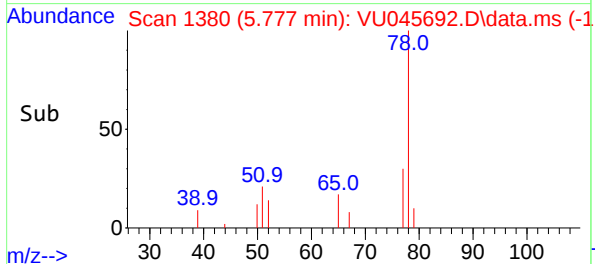
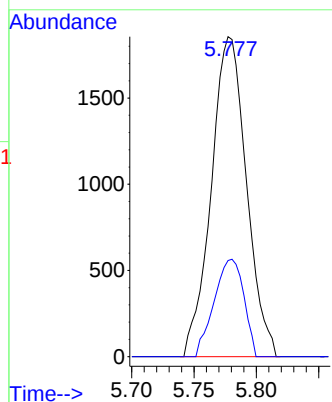
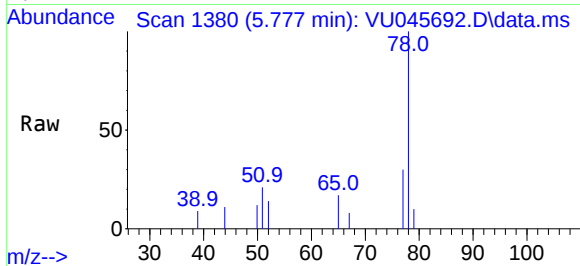




#40
Benzene
Concen: 0.527 ug/l
RT: 5.777 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

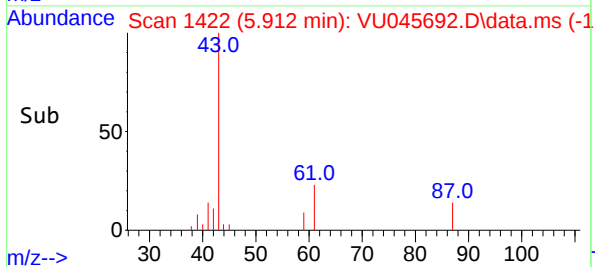
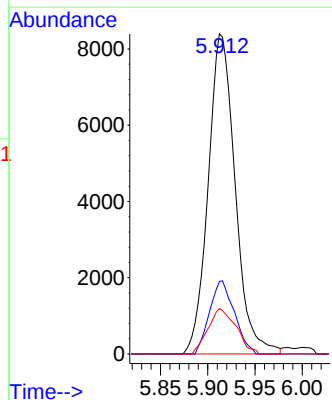
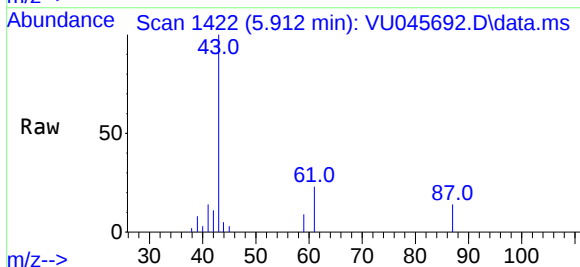
Instrument :
MSVOA_U
ClientSampleId :
72-11929

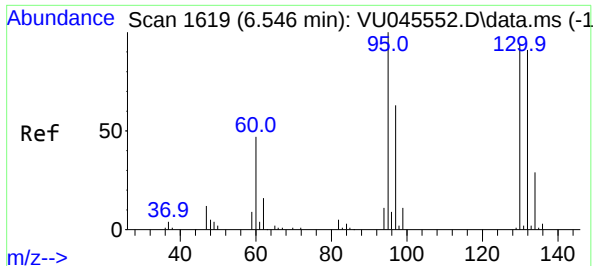
Tgt Ion: 78 Resp: 3643
Ion Ratio Lower Upper
78 100
77 30.1 19.0 28.4#



#43
Isopropyl Acetate
Concen: 4.064 ug/l
RT: 5.912 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

Tgt Ion: 43 Resp: 16684
Ion Ratio Lower Upper
43 100
61 21.0 16.9 25.3
87 14.7 11.0 16.4

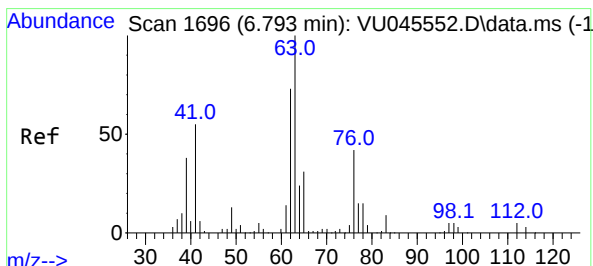
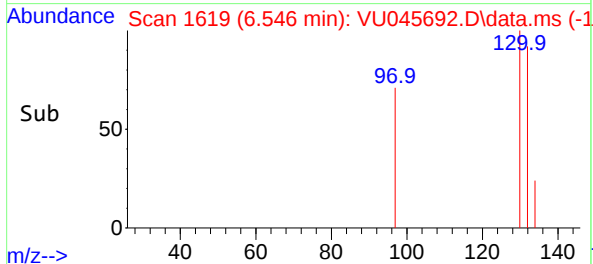
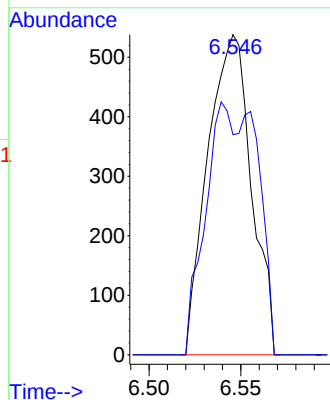
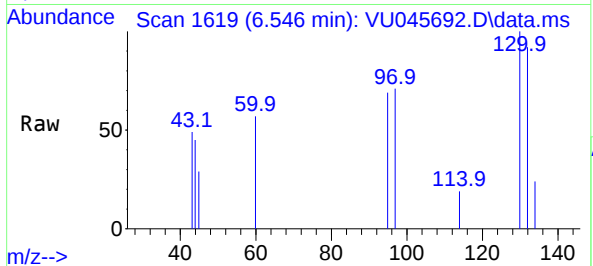




#44
Trichloroethene
Concen: 0.537 ug/l
RT: 6.546 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

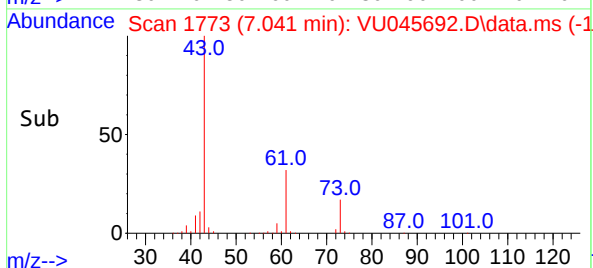
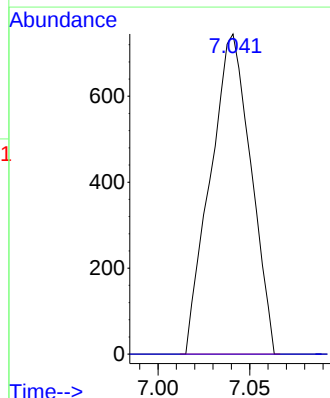
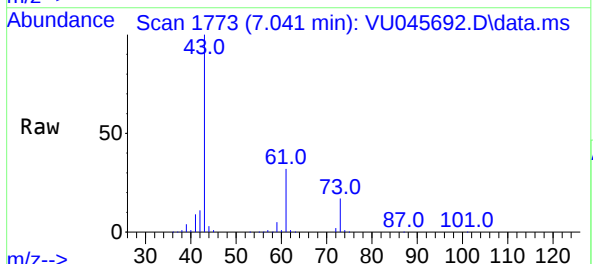
Instrument :
MSVOA_U
ClientSampleId :
72-11929

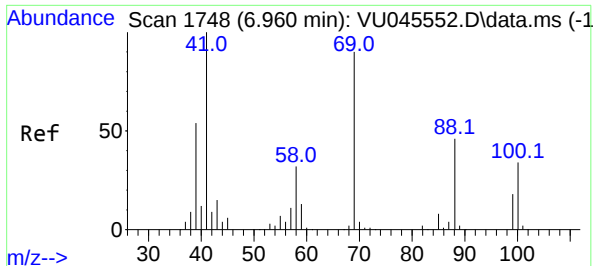
Tgt Ion:130 Resp: 890
Ion Ratio Lower Upper
130 100
95 68.8 0.0 211.4



#45
1,2-Dichloropropane
Concen: 0.625 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

Tgt Ion: 63 Resp: 1144
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#





#48

Methyl methacrylate

Concen: 3.079 ug/l

RT: 6.890 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU045692.D

Acq: 10 Nov 2021 16:54

Instrument :

MSVOA_U

ClientSampleId :

72-11929

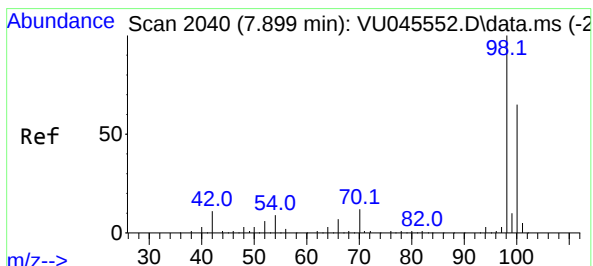
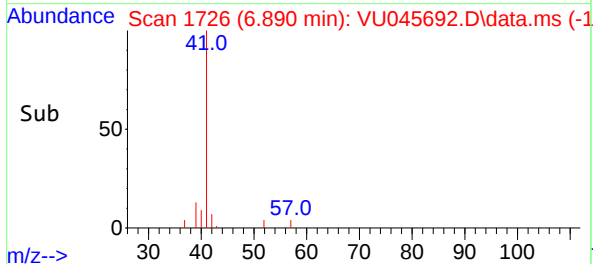
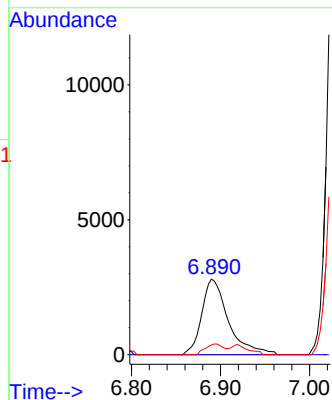
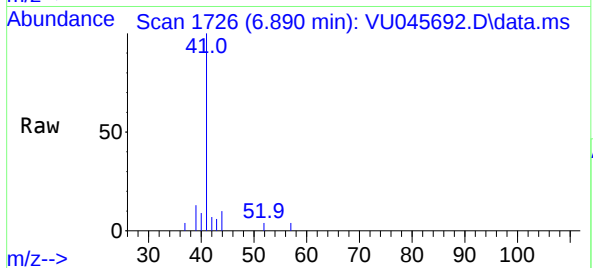
Tgt Ion: 41 Resp: 5818

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#



#50

Toluene-d8

Concen: 54.207 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.000 min

Lab File: VU045692.D

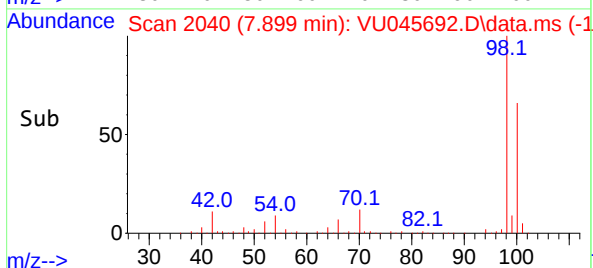
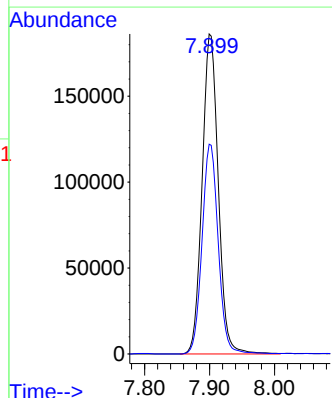
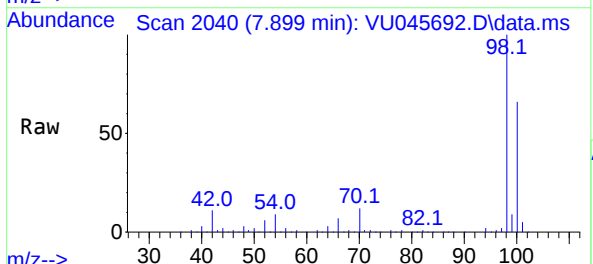
Acq: 10 Nov 2021 16:54

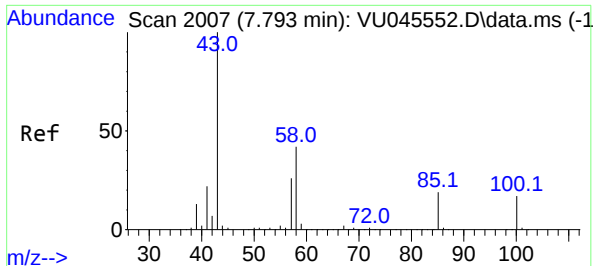
Tgt Ion: 98 Resp: 322487

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7

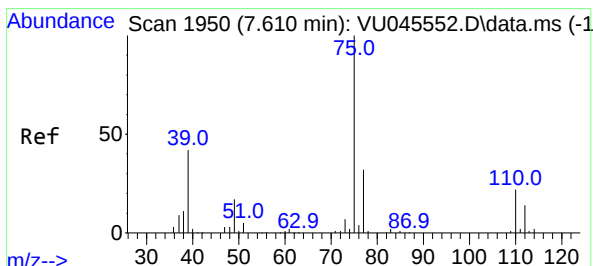
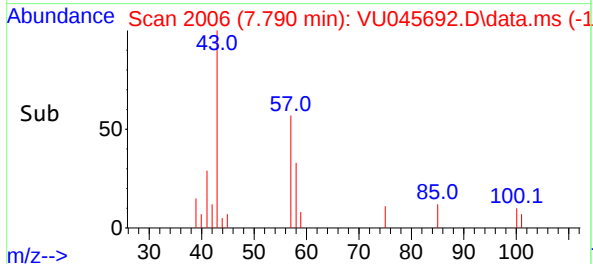
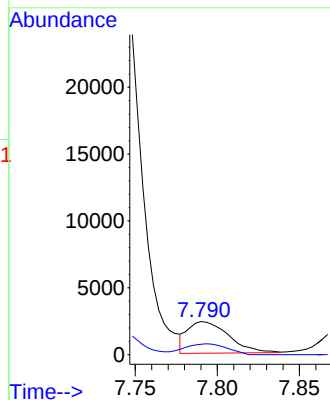
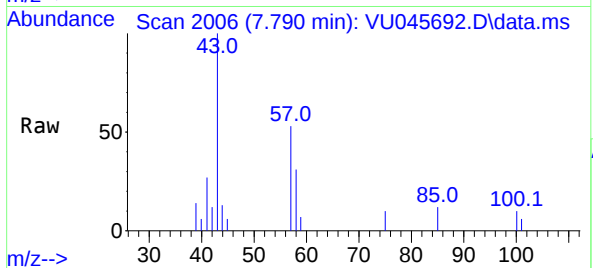




#51
4-Methyl-2-Pentanone
Concen: 1.521 ug/l
RT: 7.790 min Scan# 2007
Delta R.T. -0.003 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

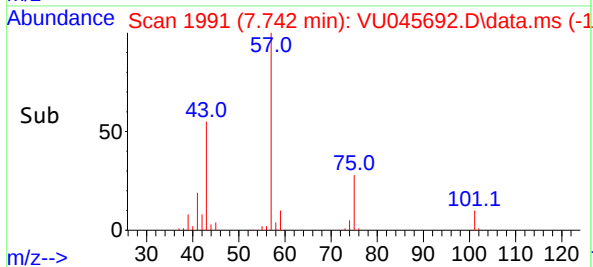
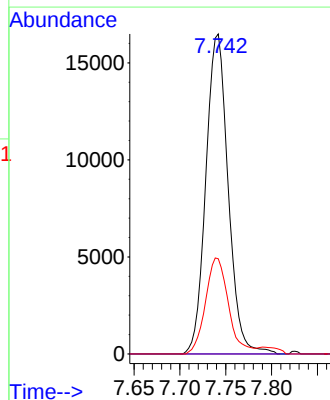
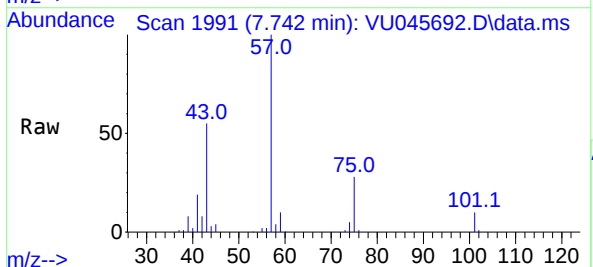
Instrument :
MSVOA_U
ClientSampleId :
72-11929

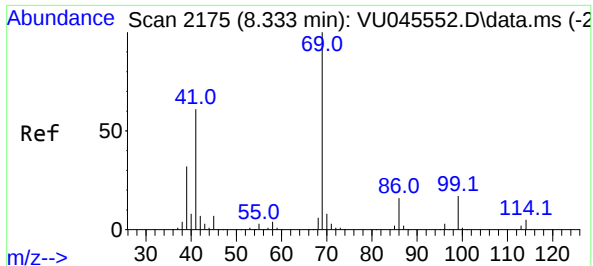
Tgt Ion: 43 Resp: 4119
Ion Ratio Lower Upper
43 100
58 36.2 33.8 50.8



#54
cis-1,3-Dichloropropene
Concen: 9.501 ug/l
RT: 7.742 min Scan# 1991
Delta R.T. 0.132 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

Tgt Ion: 75 Resp: 27911
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 29.8 37.1 55.7#





#56

Ethyl methacrylate

Concen: 2.658 ug/l

RT: 8.575 min Scan# 21

Delta R.T. 0.242 min

Lab File: VU045692.D

Acq: 10 Nov 2021 16:54

Instrument :

MSVOA_U

ClientSampleId :

72-11929

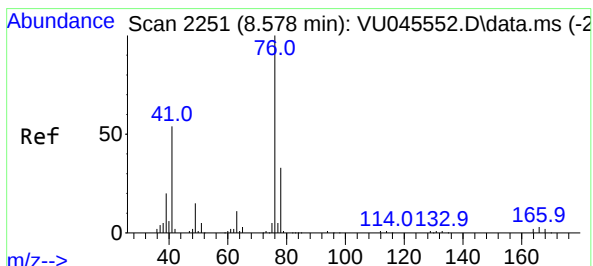
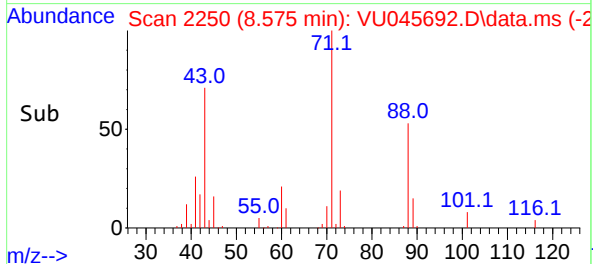
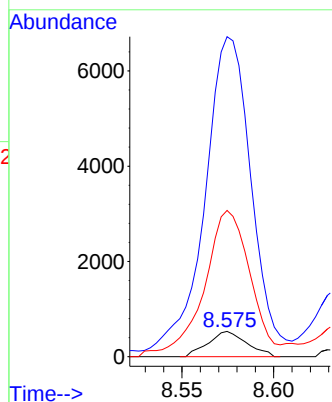
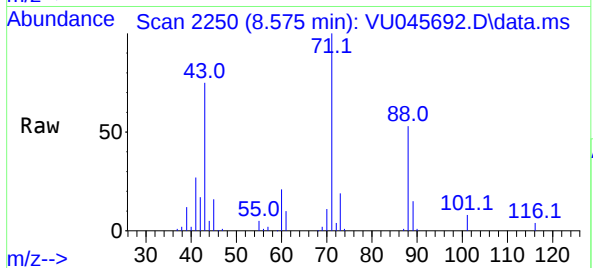
Tgt Ion: 69 Resp: 775

Ion Ratio Lower Upper

69 100

41 1474.6 51.0 76.4#

39 693.3 26.6 39.8#



#57

1,3-Dichloropropane

Concen: 5.285 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.151 min

Lab File: VU045692.D

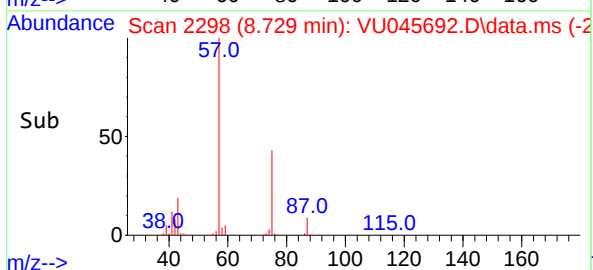
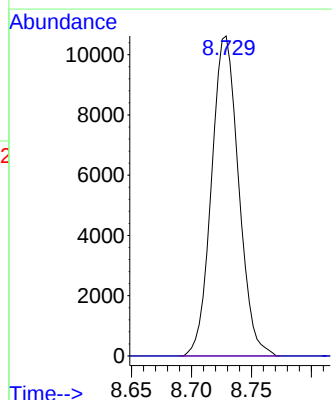
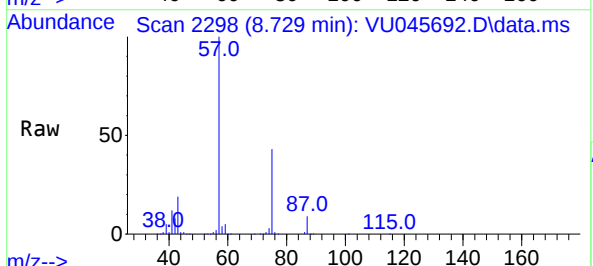
Acq: 10 Nov 2021 16:54

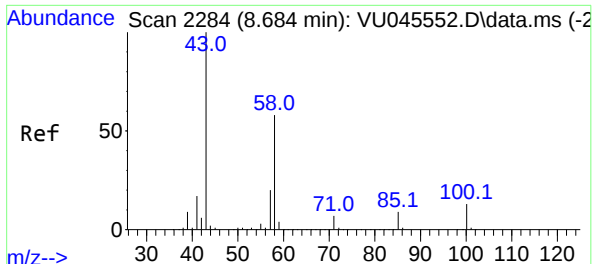
Tgt Ion: 76 Resp: 16708

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 96.645 ug/l

RT: 8.729 min Scan# 21

Delta R.T. 0.045 min

Lab File: VU045692.D

Acq: 10 Nov 2021 16:54

Instrument :

MSVOA_U

ClientSampleId :

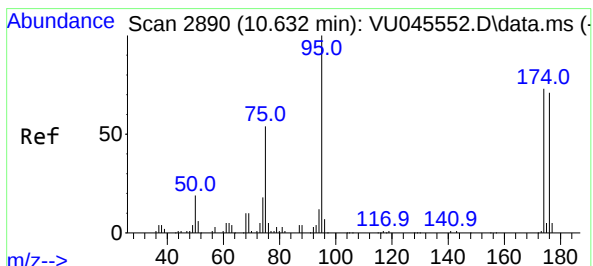
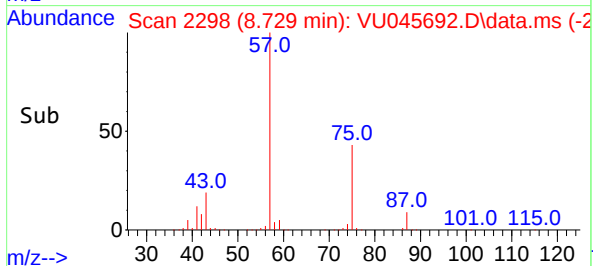
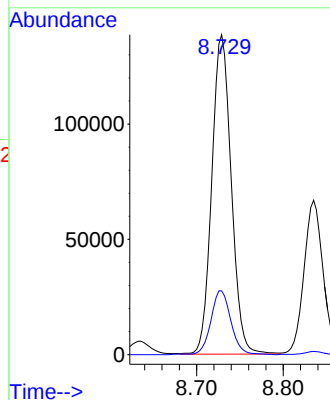
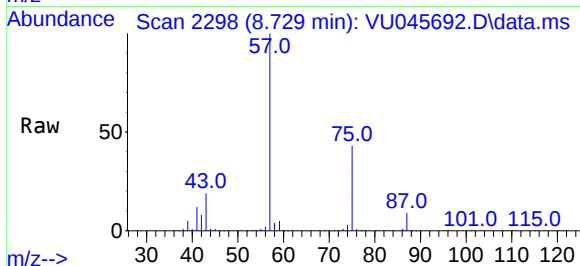
72-11929

Tgt Ion: 43 Resp: 216506

Ion Ratio Lower Upper

43 100

58 20.5 29.5 88.6#



#62

4-Bromofluorobenzene

Concen: 50.574 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. 0.003 min

Lab File: VU045692.D

Acq: 10 Nov 2021 16:54

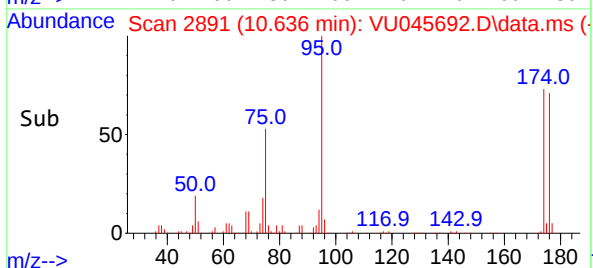
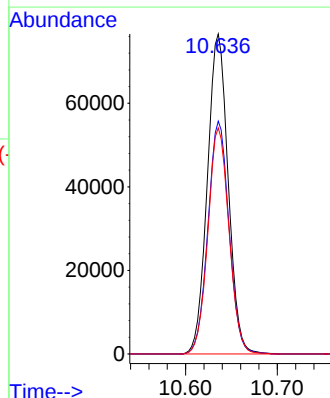
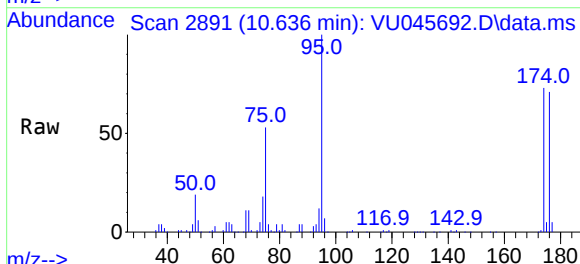
Tgt Ion: 95 Resp: 120647

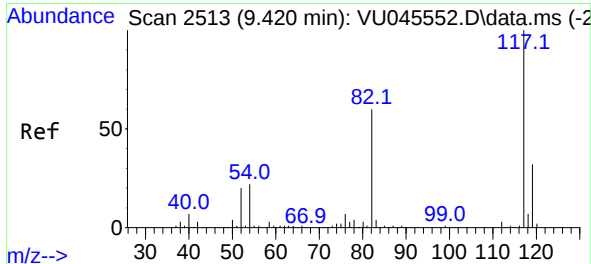
Ion Ratio Lower Upper

95 100

174 73.7 0.0 141.8

176 71.3 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: VU045692.D

Acq: 10 Nov 2021 16:54

Instrument :

MSVOA_U

ClientSampleId :

72-11929

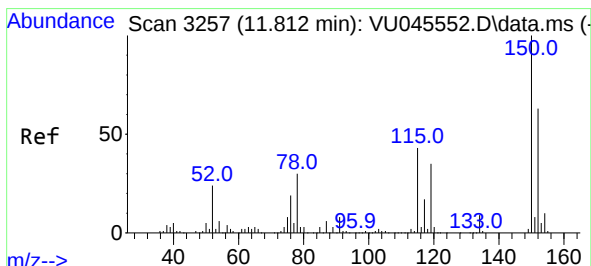
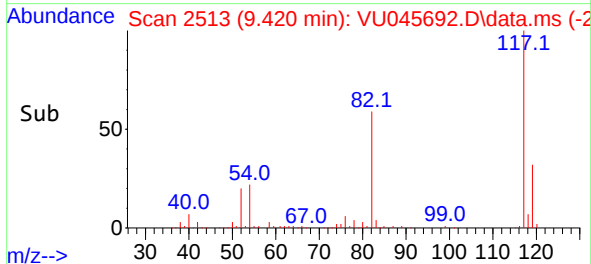
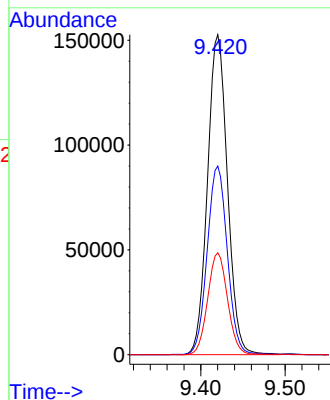
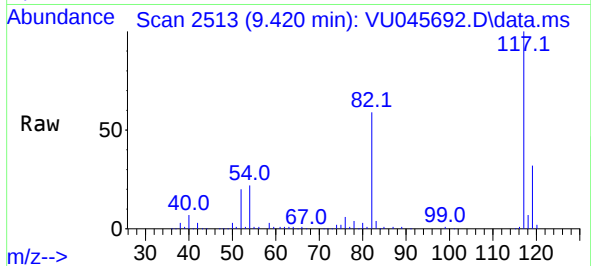
Tgt Ion:117 Resp: 251651

Ion Ratio Lower Upper

117 100

82 58.9 47.8 71.8

119 31.9 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.816 min Scan# 3258

Delta R.T. 0.003 min

Lab File: VU045692.D

Acq: 10 Nov 2021 16:54

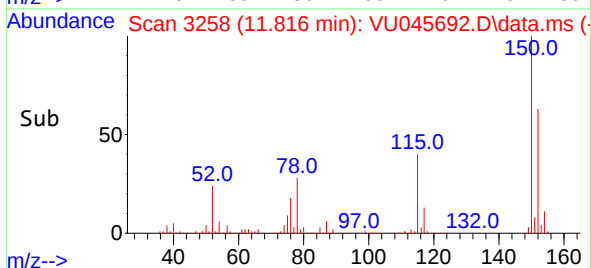
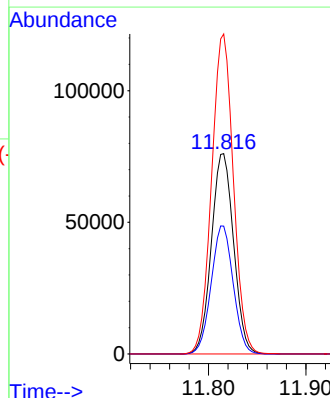
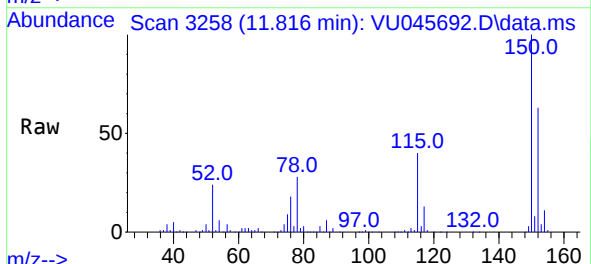
Tgt Ion:152 Resp: 120576

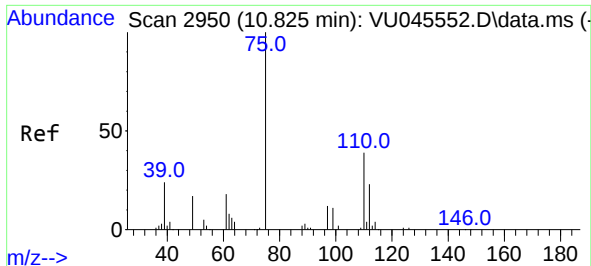
Ion Ratio Lower Upper

152 100

115 63.3 42.7 128.1

150 156.5 0.0 346.8

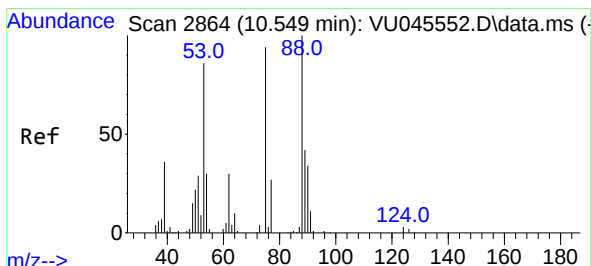
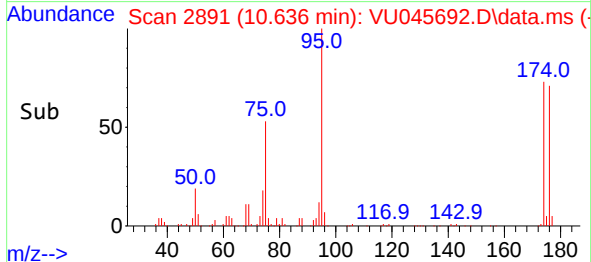
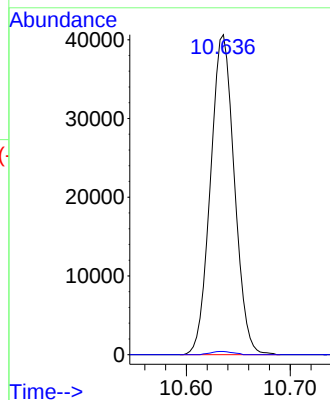
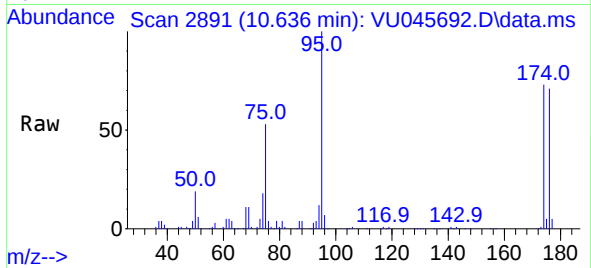




#76
1,2,3-Trichloropropane
Concen: 17.751 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

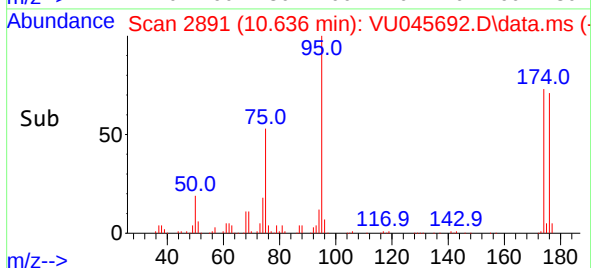
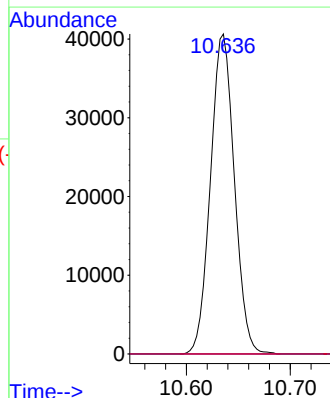
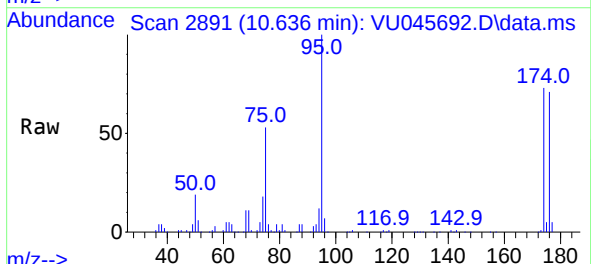
Instrument :
MSVOA_U
ClientSampleId :
72-11929

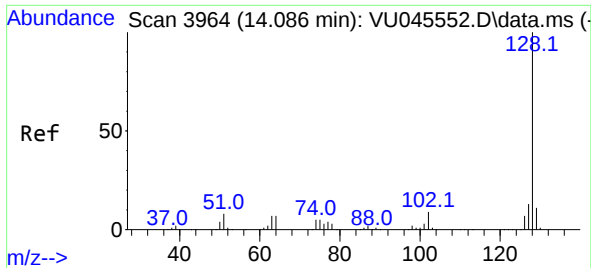
Tgt Ion: 75 Resp: 64907
Ion Ratio Lower Upper
75 100
77 0.9 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.663 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.087 min
Lab File: VU045692.D
Acq: 10 Nov 2021 16:54

Tgt Ion: 75 Resp: 64907
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#





#95

Naphthalene

Concen: 1.086 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU045692.D

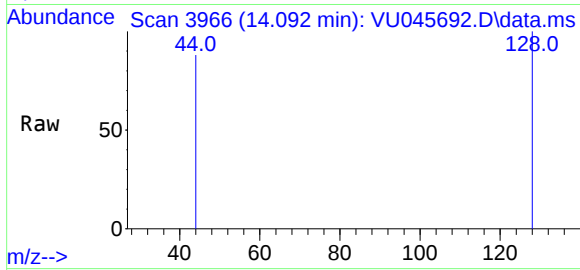
Acq: 10 Nov 2021 16:54

Instrument :

MSVOA_U

ClientSampleId :

72-11929



Tgt Ion:128 Resp: 573

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

