

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110821\
 Data File : VU045640.D
 Acq On : 09 Nov 2021 01:31
 Operator : SY/MD
 Sample : M4504-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 09 11:15:40 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)

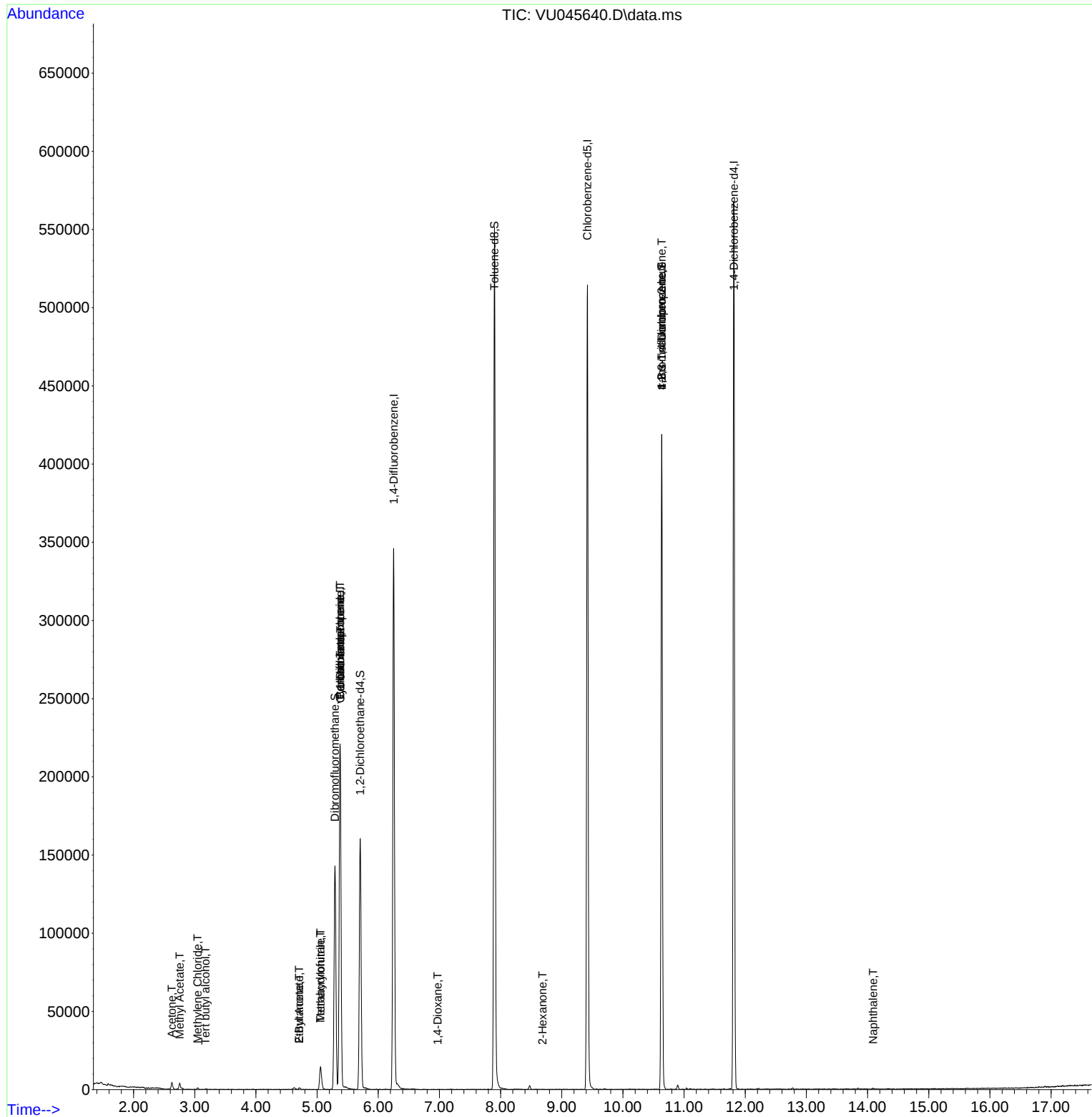
Internal Standards						
1) Pentafluorobenzene	5.375	168	149065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	281858	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	280284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	140960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	119504	53.531	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.060%			
35) Dibromofluoromethane	5.292	113	93060	49.452	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.900%			
50) Toluene-d8	7.899	98	365048	52.168	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.340%			
62) 4-Bromofluorobenzene	10.635	95	139900	49.858	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.720%			
Target Compounds						Qvalue
11) Tert butyl alcohol	3.176	59	132	0.299	ug/l #	72
16) Acetone	2.626	43	5195	4.571	ug/l	89
18) Methyl Acetate	2.755	43	1088	0.281	ug/l #	50
20) Methylene Chloride	3.047	84	442	0.224	ug/l #	83
25) 2-Butanone	4.706	43	733	0.465	ug/l #	89
29) Tetrahydrofuran	5.054	42	10316	10.700	ug/l	98
31) Cyclohexane	5.378	56	3506	1.076	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	12763	4.644	ug/l #	46
37) Ethyl Acetate	4.706	43	733	0.232	ug/l #	67
38) Carbon Tetrachloride	5.375	117	15992	5.772	ug/l #	15
41) Methacrylonitrile	5.057	41	5858	3.511	ug/l #	42
49) 1,4-Dioxane	6.970	88	20	0.350	ug/l #	13
59) 2-Hexanone	8.687	43	108	7.573	ug/l #	21
76) 1,2,3-Trichloropropane	10.635	75	73442	17.181	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	73442	55.906	ug/l #	12
95) Naphthalene	14.092	128	720	1.091	ug/l #	69

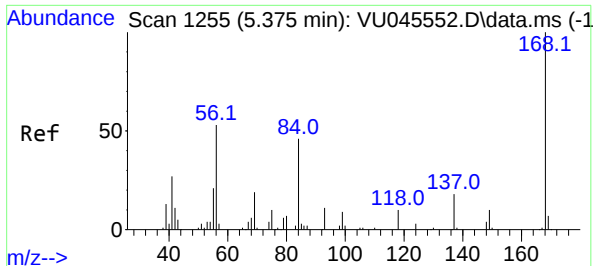
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU045640.D
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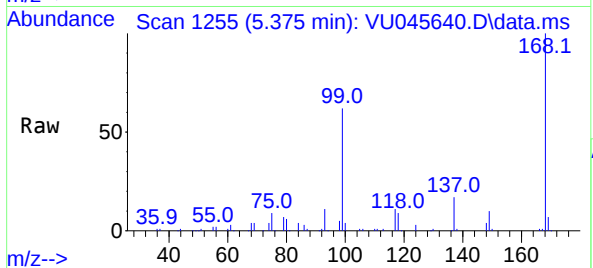
Quant Time: Nov 09 11:15:40 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
Response via : Initial Calibration



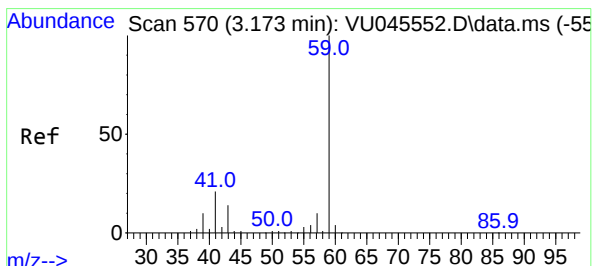
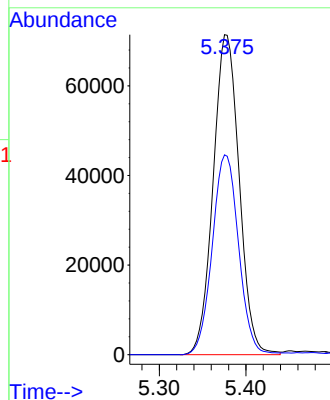
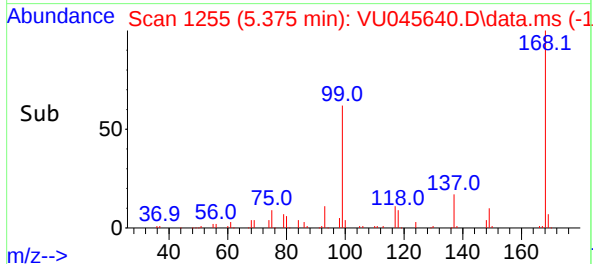


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

Instrument :
MSVOA_U
ClientSampleId :

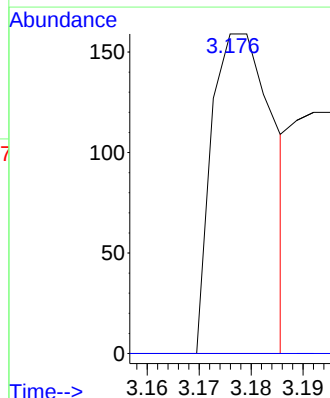
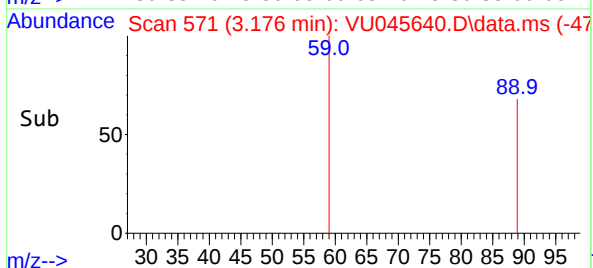
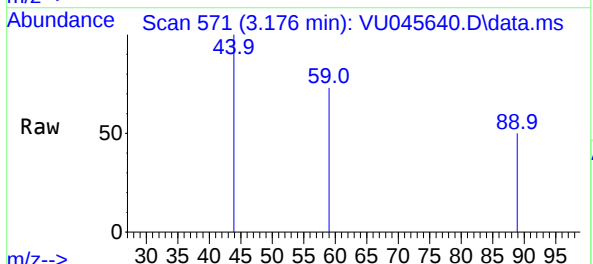


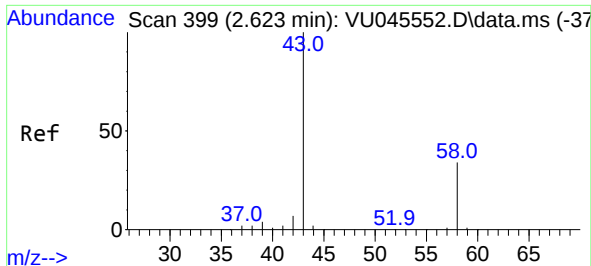
Tgt Ion:168 Resp: 149065
Ion Ratio Lower Upper
168 100
99 62.5 51.0 76.6



#11
Tert butyl alcohol
Concen: 0.299 ug/l
RT: 3.176 min Scan# 571
Delta R.T. 0.003 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

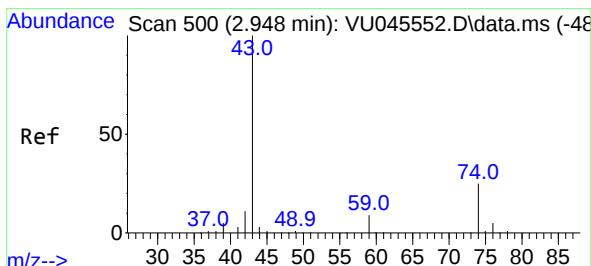
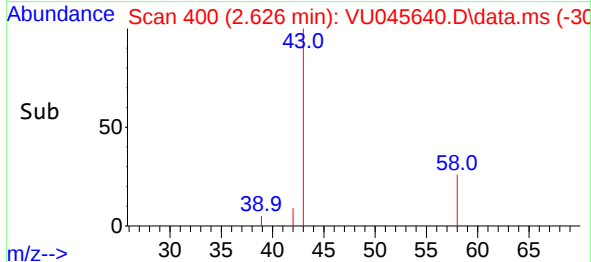
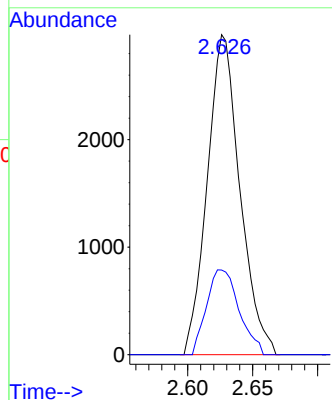
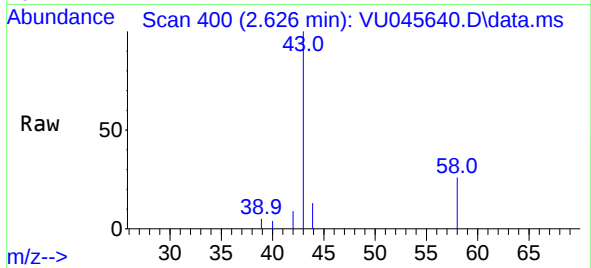




#16
Acetone
Concen: 4.571 ug/l
RT: 2.626 min Scan# 40
Delta R.T. 0.003 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

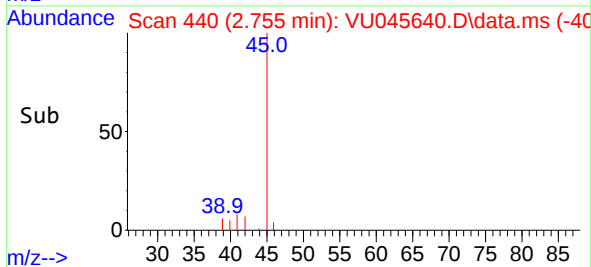
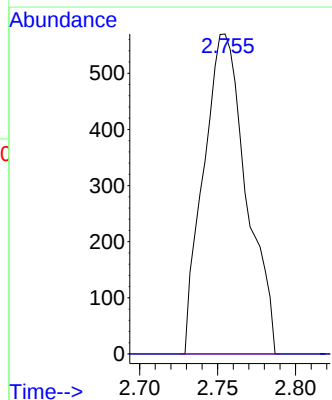
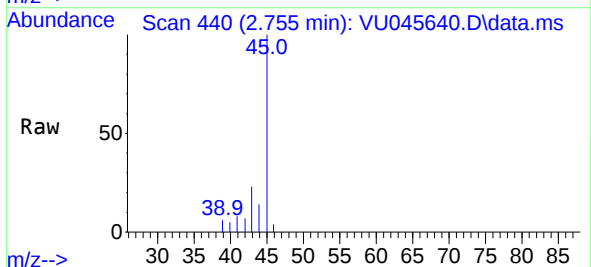
Instrument :
MSVOA_U
ClientSampleId :

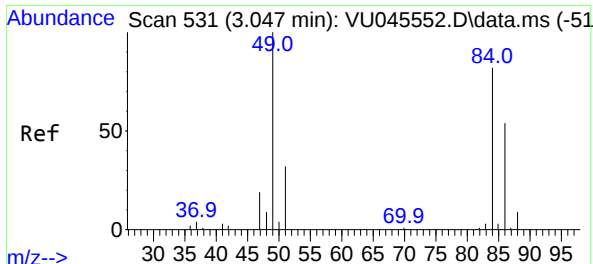
Tgt Ion: 43 Resp: 5195
Ion Ratio Lower Upper
43 100
58 26.4 26.2 39.2



#18
Methyl Acetate
Concen: 0.281 ug/l
RT: 2.755 min Scan# 440
Delta R.T. -0.193 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

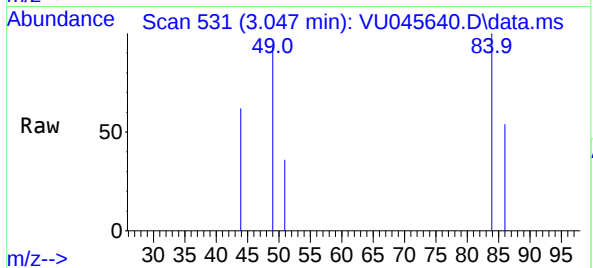
Tgt Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#





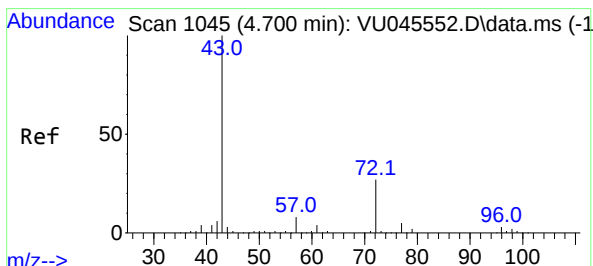
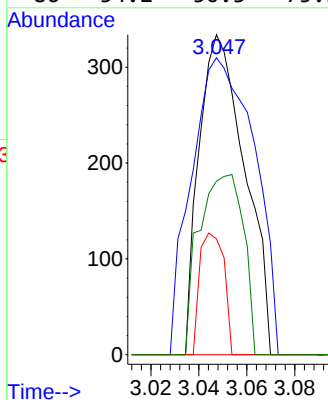
#20
Methylene Chloride
Concen: 0.224 ug/l
RT: 3.047 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 442

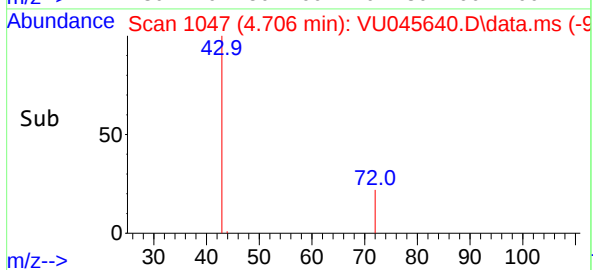
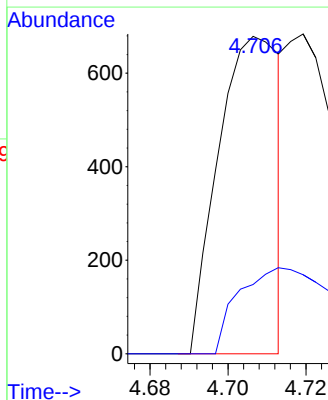
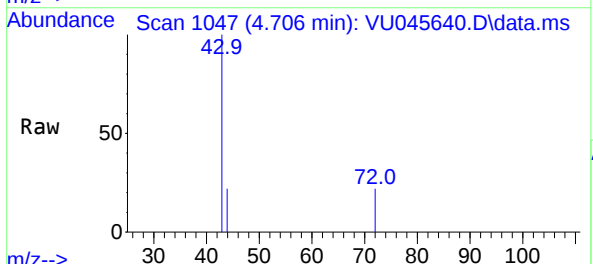
Ion	Ratio	Lower	Upper
84	100		
49	92.8	96.4	144.6#
51	36.2	30.5	45.7
86	54.2	50.3	75.5

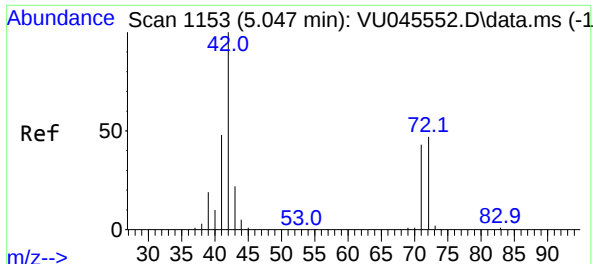


#25
2-Butanone
Concen: 0.465 ug/l
RT: 4.706 min Scan# 1047
Delta R.T. 0.006 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

Tgt Ion: 43 Resp: 733

Ion	Ratio	Lower	Upper
43	100		
72	21.8	22.0	33.0#





#29

Tetrahydrofuran

Concen: 10.700 ug/l

RT: 5.054 min Scan# 1153

Delta R.T. 0.006 min

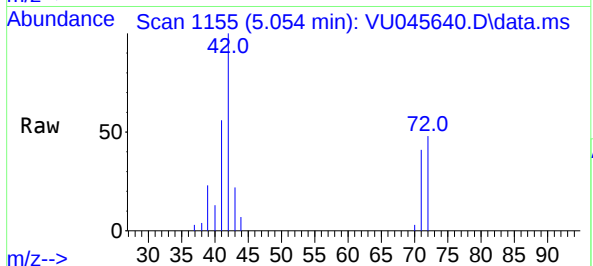
Lab File: VU045640.D

Acq: 09 Nov 2021 01:31

Instrument :

MSVOA_U

ClientSampleId :



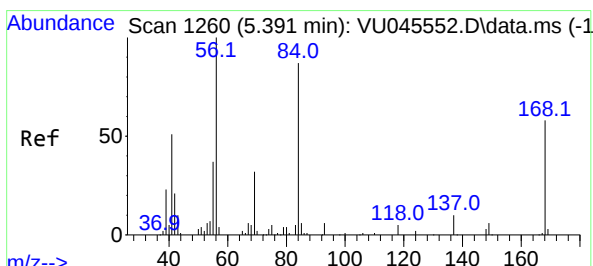
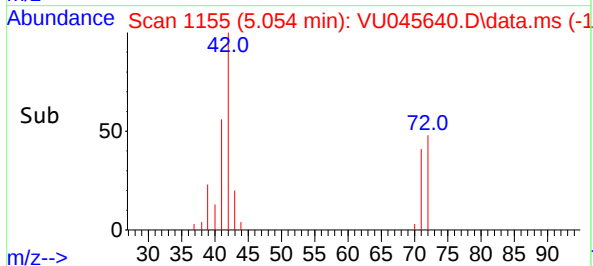
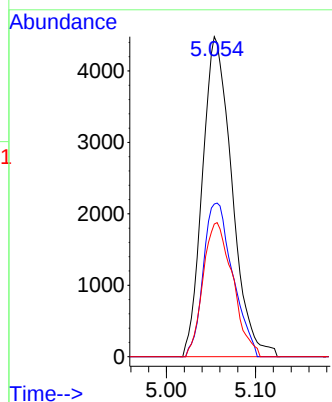
Tgt Ion: 42 Resp: 10316

Ion Ratio Lower Upper

42 100

72 47.9 38.2 57.4

71 42.2 35.4 53.2



#31

Cyclohexane

Concen: 1.076 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.013 min

Lab File: VU045640.D

Acq: 09 Nov 2021 01:31

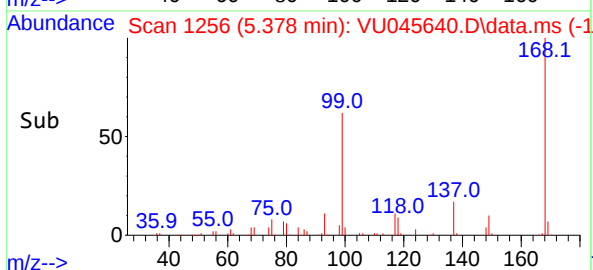
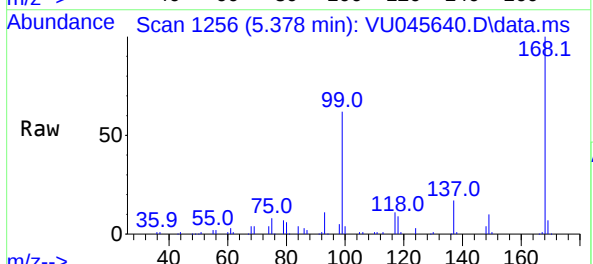
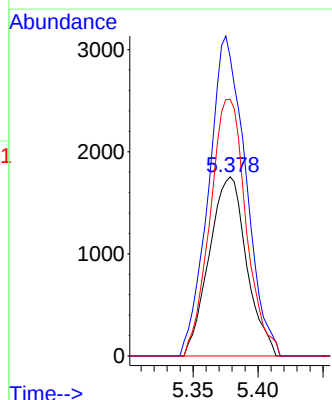
Tgt Ion: 56 Resp: 3506

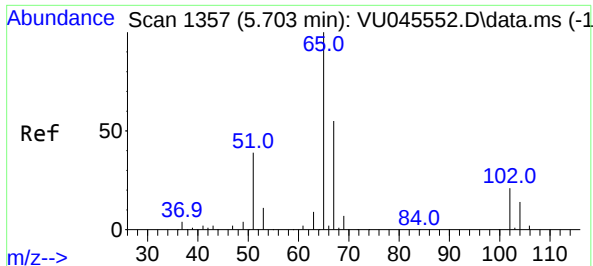
Ion Ratio Lower Upper

56 100

69 167.0 26.4 39.6#

84 143.3 68.4 102.6#

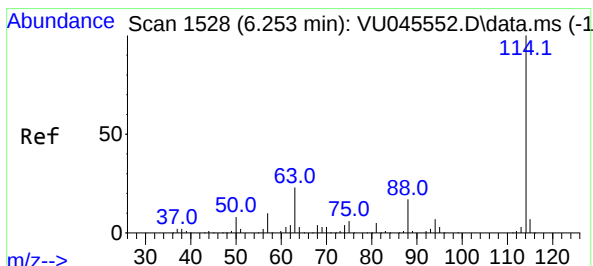
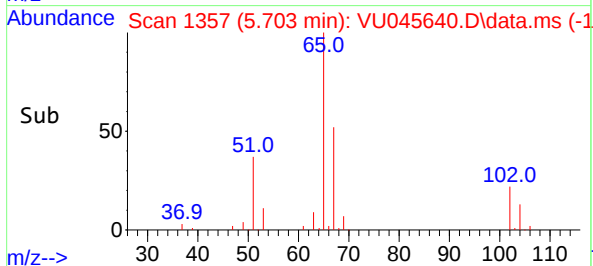
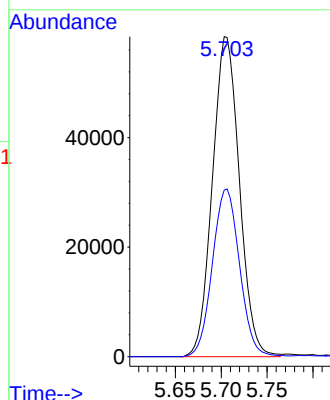
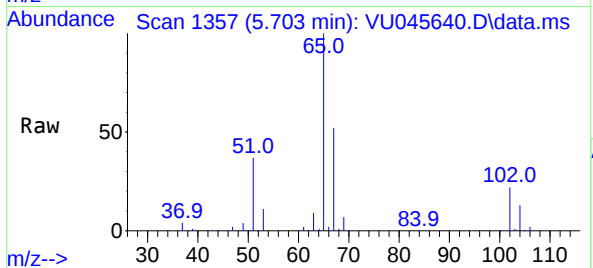




#33
1,2-Dichloroethane-d4
Concen: 53.531 ug/l
RT: 5.703 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

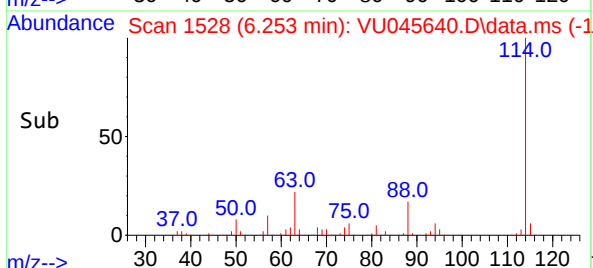
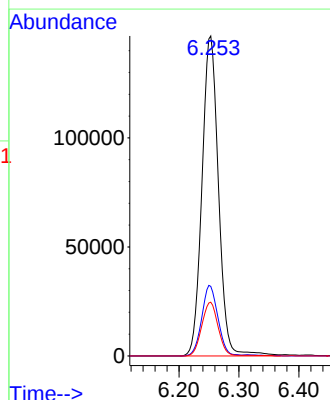
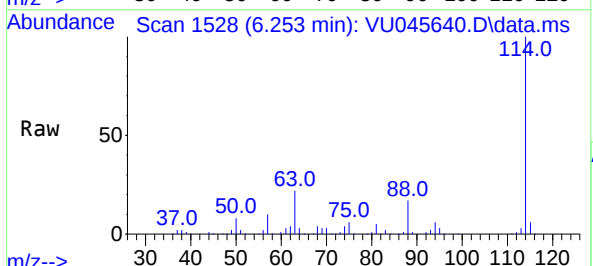
Instrument :
MSVOA_U
ClientSampleId :

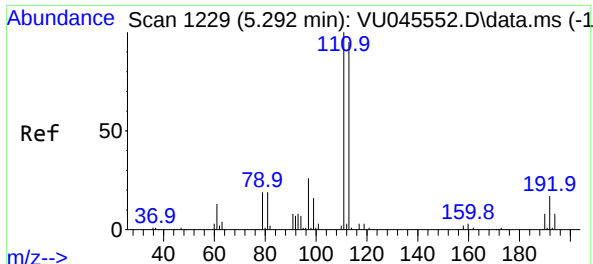
Tgt Ion: 65 Resp: 119504
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

Tgt Ion: 114 Resp: 281858
Ion Ratio Lower Upper
114 100
63 21.8 0.0 45.6
88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.452 ug/l

RT: 5.292 min Scan# 11

Delta R.T. -0.000 min

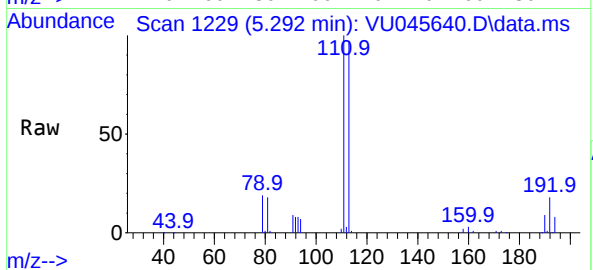
Lab File: VU045640.D

Acq: 09 Nov 2021 01:31

Instrument :

MSVOA_U

ClientSampleId :



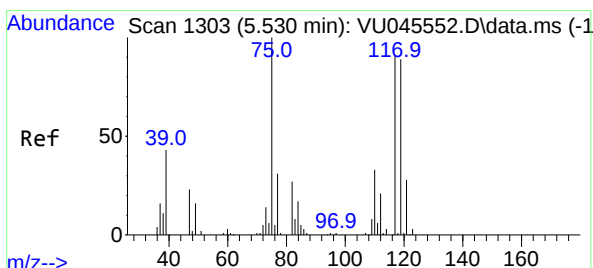
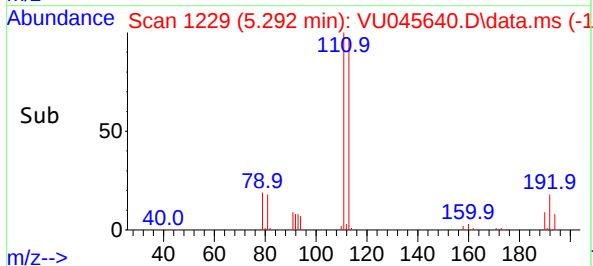
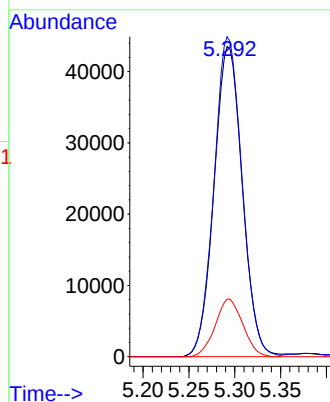
Tgt Ion:113 Resp: 93060

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 18.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.644 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045640.D

Acq: 09 Nov 2021 01:31

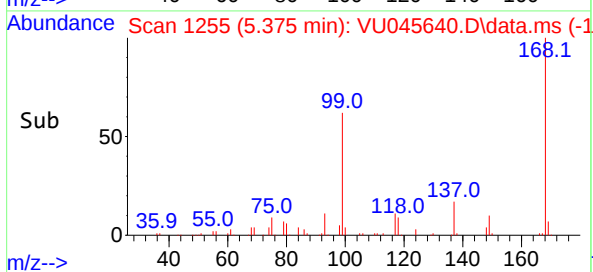
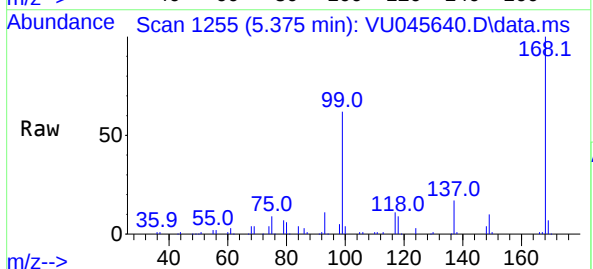
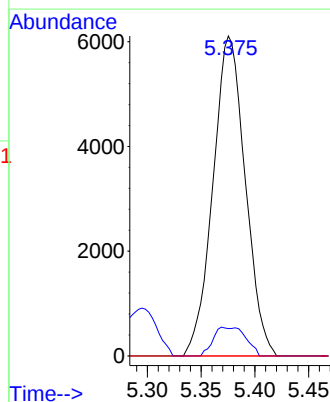
Tgt Ion: 75 Resp: 12763

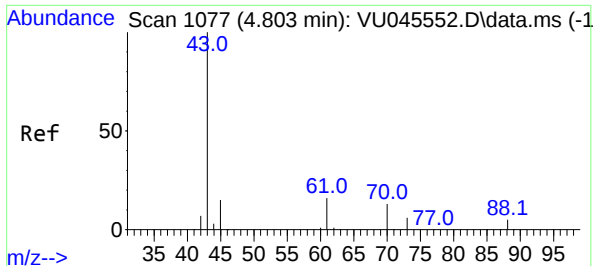
Ion Ratio Lower Upper

75 100

110 4.5 16.7 50.0#

77 0.0 25.0 37.4#

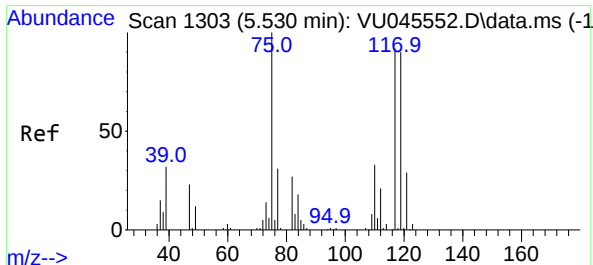
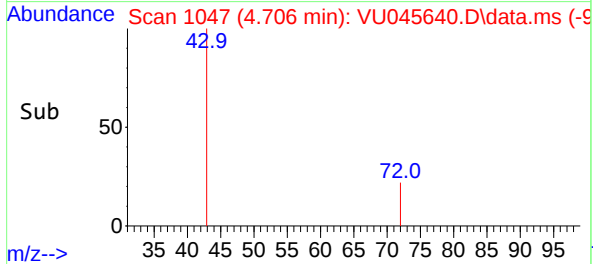
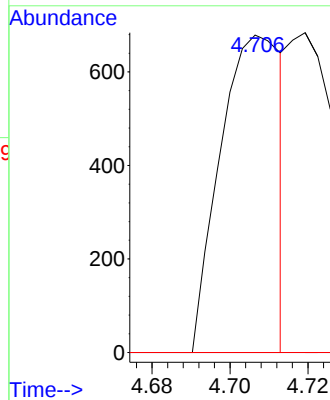
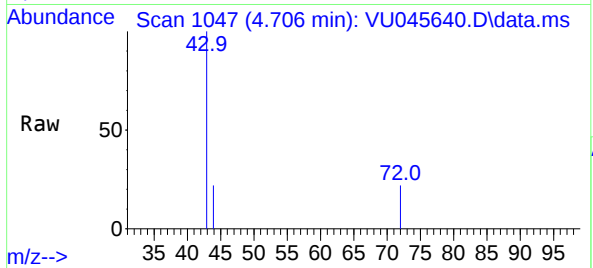




#37
Ethyl Acetate
Concen: 0.232 ug/l
RT: 4.706 min Scan# 1077
Delta R.T. -0.097 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

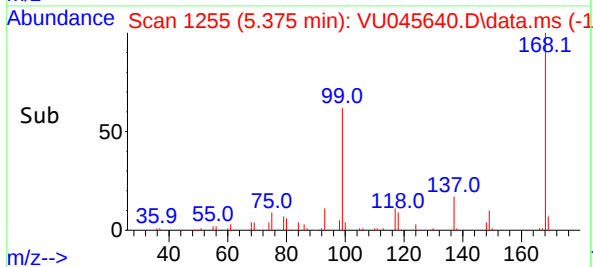
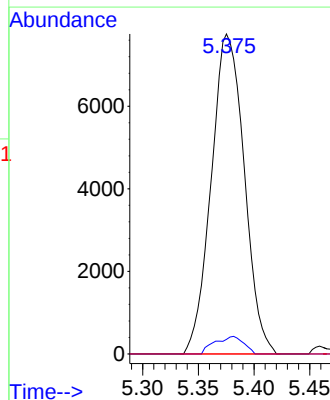
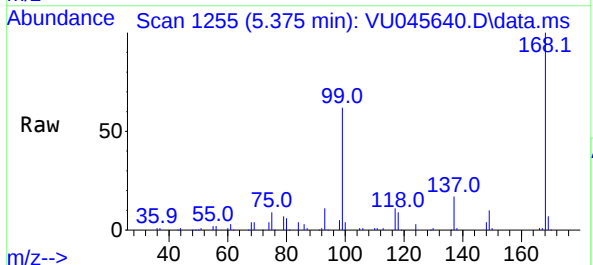
Instrument :
MSVOA_U
ClientSampleId :

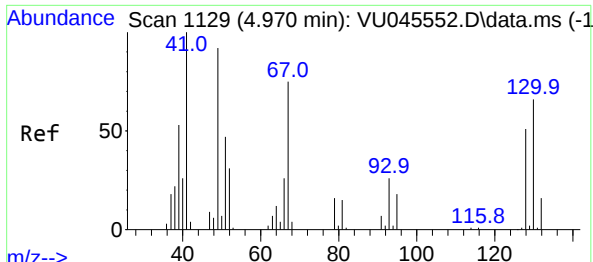
Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.772 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

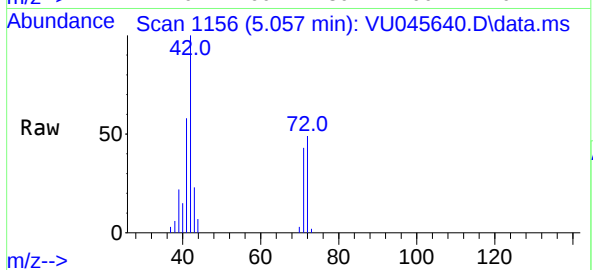
Tgt Ion: 117 Resp: 15992
Ion Ratio Lower Upper
117 100
119 4.5 77.4 116.0#
121 0.0 24.8 37.2#



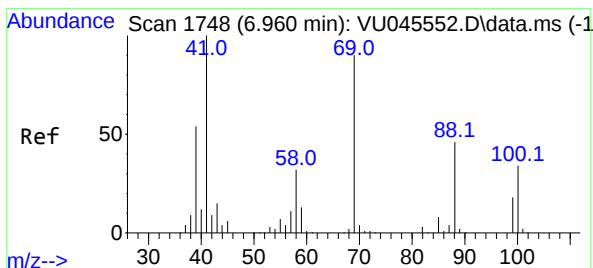
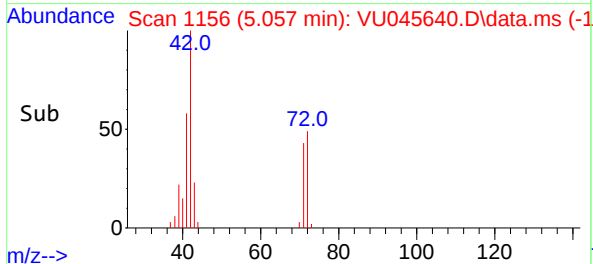
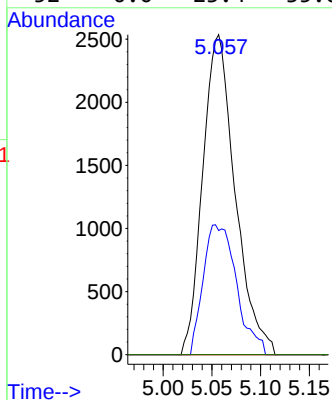


#41
Methacrylonitrile
Concen: 3.511 ug/l
RT: 5.057 min Scan# 1129
Delta R.T. 0.087 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

Instrument :
MSVOA_U
ClientSampleId :

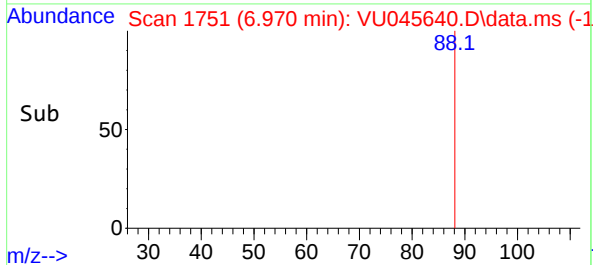
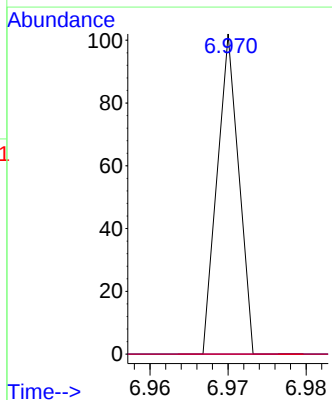
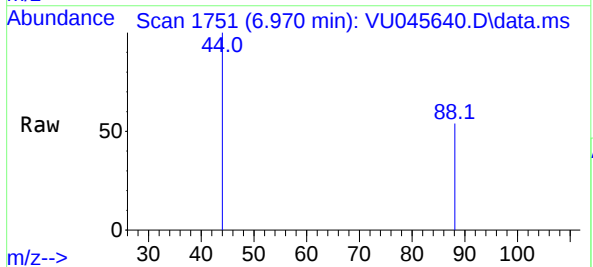


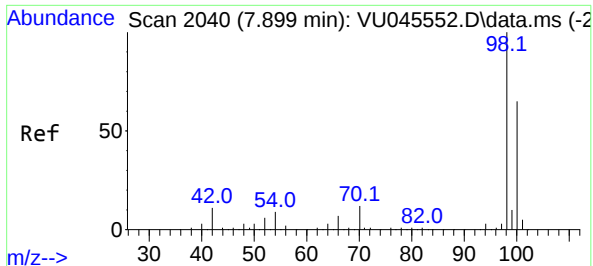
Tgt Ion: 41	Resp: 5858
Ion Ratio	Lower Upper
41	100
39	41.7 43.4 65.0#
67	0.0 61.0 91.4#
52	0.0 23.4 35.0#



#49
1,4-Dioxane
Concen: 0.350 ug/l
RT: 6.970 min Scan# 1751
Delta R.T. 0.010 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

Tgt Ion: 88	Resp: 20
Ion Ratio	Lower Upper
88	100
43	0.0 0.0 0.0
58	0.0 58.7 88.1#

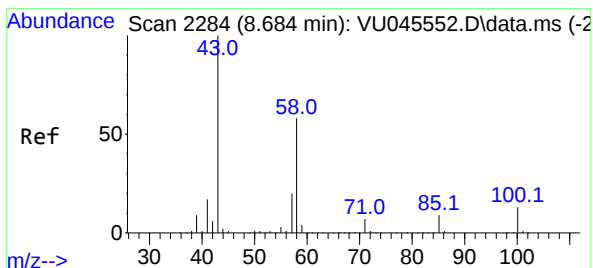
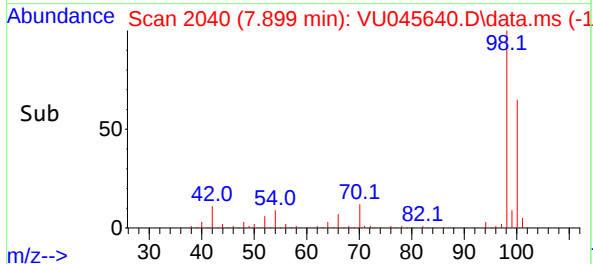
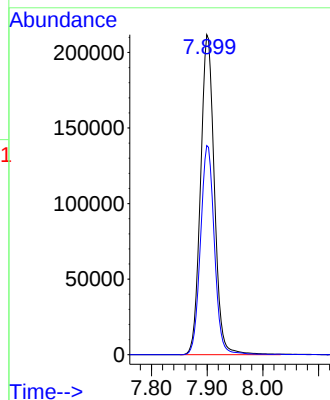
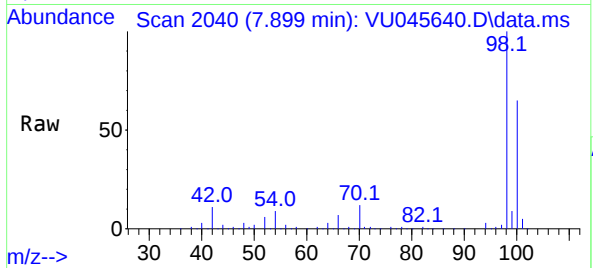




#50
Toluene-d8
Concen: 52.168 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

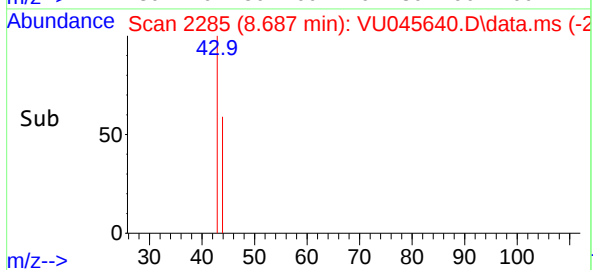
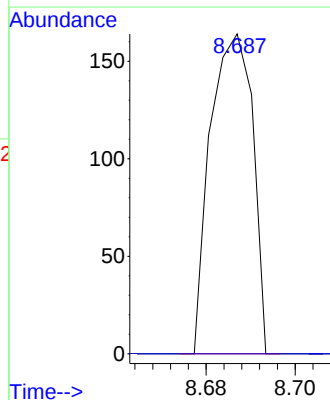
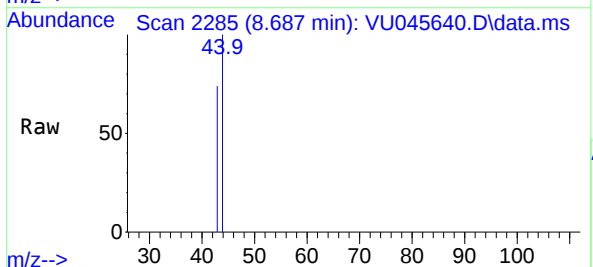
Instrument :
MSVOA_U
ClientSampleId :

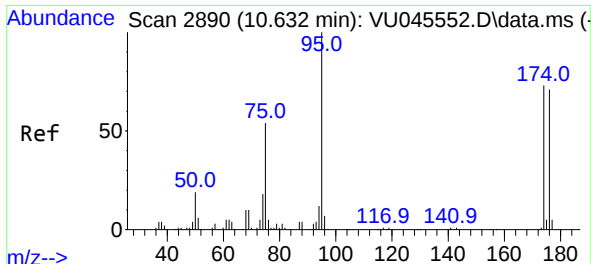
Tgt Ion: 98 Resp: 365048
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#59
2-Hexanone
Concen: 7.573 ug/l
RT: 8.687 min Scan# 2285
Delta R.T. 0.003 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

Tgt Ion: 43 Resp: 108
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.6#

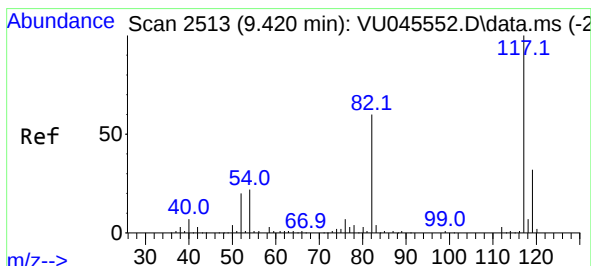
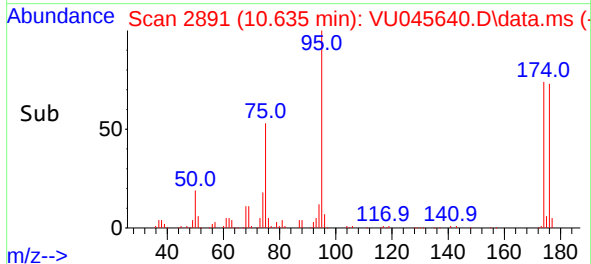
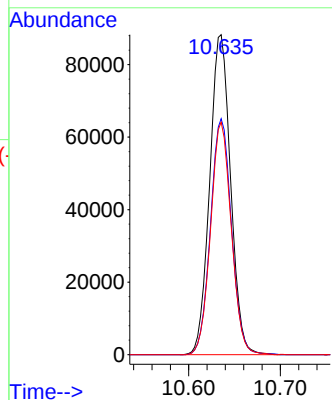
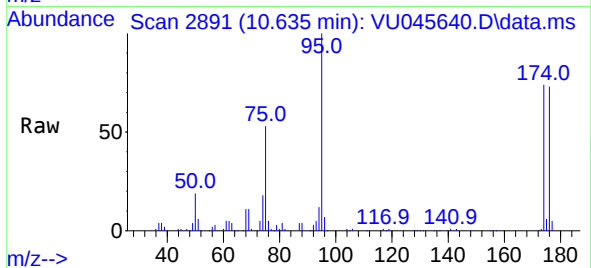




#62
4-Bromofluorobenzene
Concen: 49.858 ug/l
RT: 10.635 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

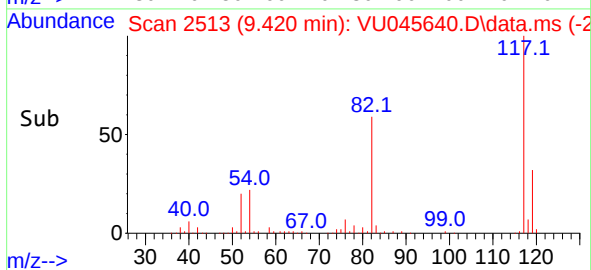
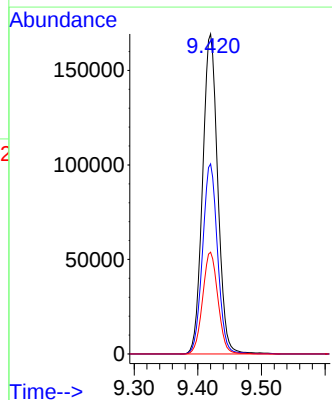
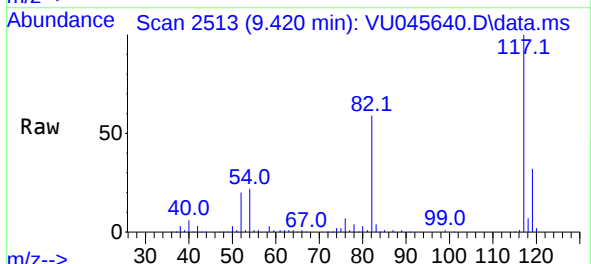
Instrument :
MSVOA_U
ClientSampleId :

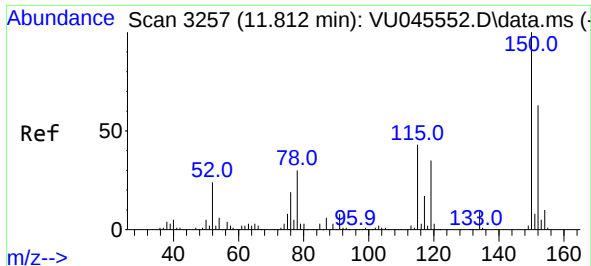
Tgt Ion: 95 Resp: 139900
Ion Ratio Lower Upper
95 100
174 74.1 0.0 141.8
176 71.9 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

Tgt Ion: 117 Resp: 280284
Ion Ratio Lower Upper
117 100
82 59.4 47.8 71.8
119 31.8 25.8 38.8

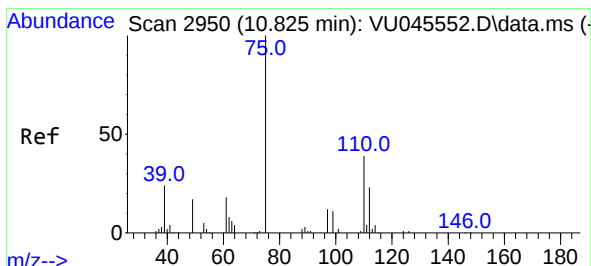
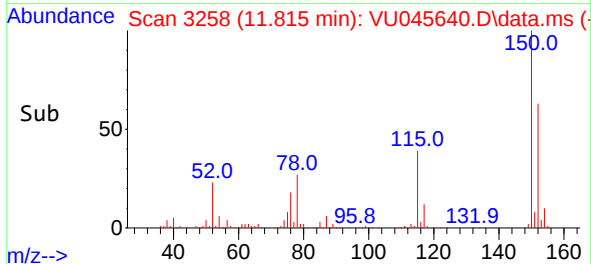
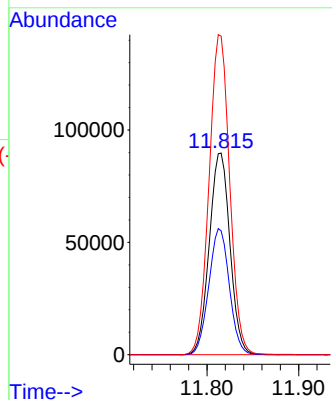
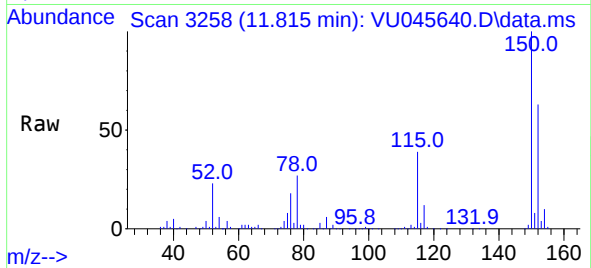




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

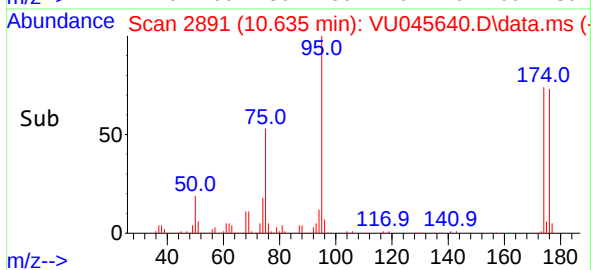
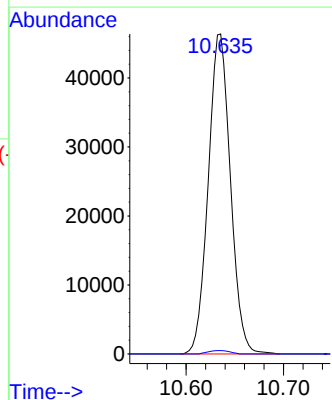
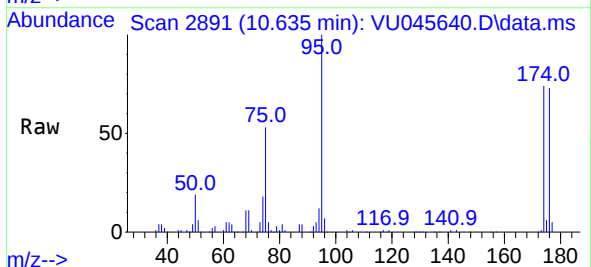
Instrument :
MSVOA_U
ClientSampleId :

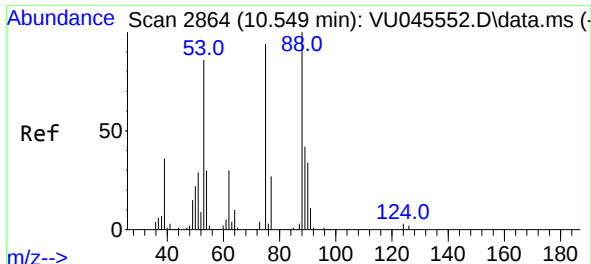
Tgt Ion:152 Resp: 140960
Ion Ratio Lower Upper
152 100
115 62.0 42.7 128.1
150 157.6 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 17.181 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.190 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

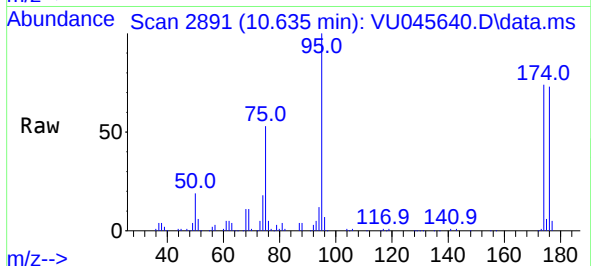
Tgt Ion: 75 Resp: 73442
Ion Ratio Lower Upper
75 100
77 1.0 17.1 51.3#



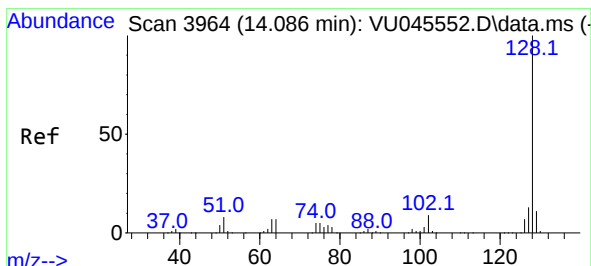
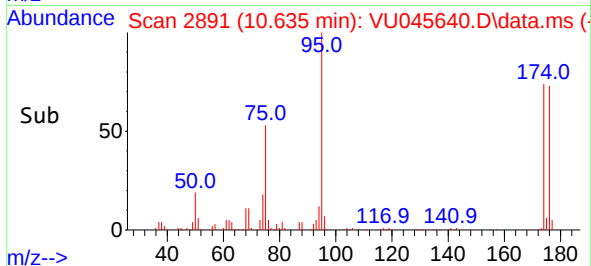
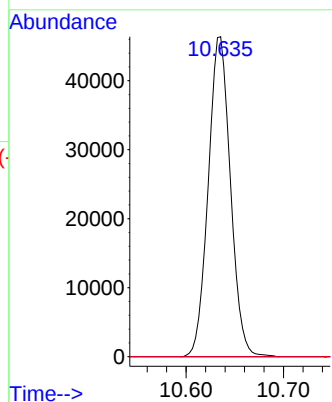


#81
trans-1,4-Dichloro-2-butene
Concen: 55.906 ug/l
RT: 10.635 min Scan# 2864
Delta R.T. 0.086 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 73442
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.091 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU045640.D
Acq: 09 Nov 2021 01:31

Tgt Ion: 128 Resp: 720
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

