

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102621\
 Data File : VU045403.D
 Acq On : 26 Oct 2021 16:11
 Operator : SY/MD
 Sample : I.BLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1027

Quant Time: Oct 27 04:40:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

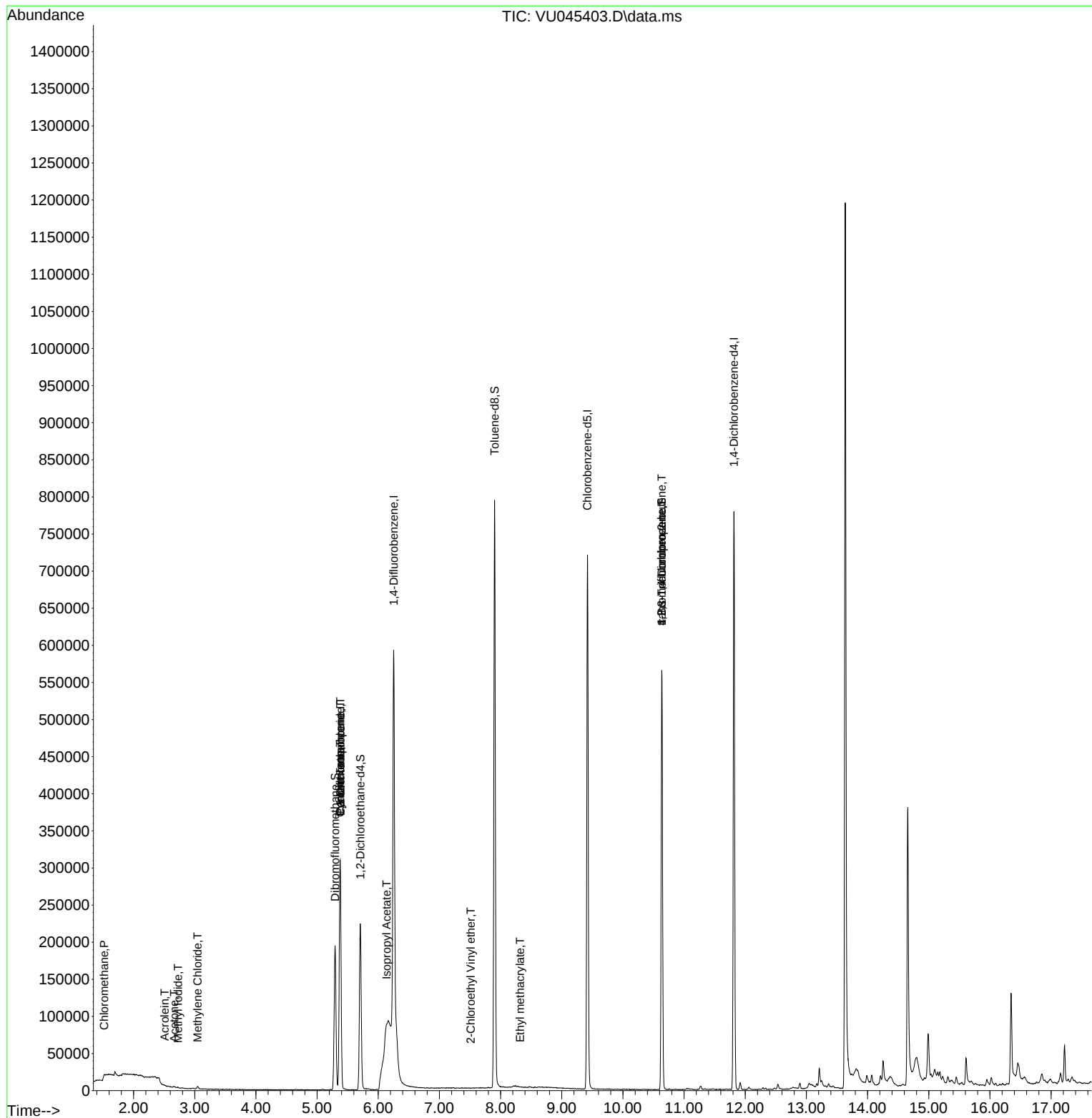
Internal Standards						
1) Pentafluorobenzene	5.379	168	210055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	402699	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	383433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	187842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	168453	48.176	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.360%		
35) Dibromofluoromethane	5.295	113	126771	49.903	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.800%		
50) Toluene-d8	7.903	98	508473	50.658	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.320%		
62) 4-Bromofluorobenzene	10.636	95	193508	46.696	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.400%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	2090	0.620	ug/l #	79
10) Methyl Iodide	2.726	142	573	0.212	ug/l #	80
13) Acrolein	2.510	56	654	6.425	ug/l #	55
16) Acetone	2.665	43	2483	1.196	ug/l	93
20) Methylene Chloride	3.047	84	1612	0.516	ug/l	94
31) Cyclohexane	5.375	56	5472	1.030	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	18556	4.406	ug/l #	50
38) Carbon Tetrachloride	5.379	117	22019	6.042	ug/l #	16
43) Isopropyl Acetate	6.137	43	128311	15.306	ug/l #	61
49) 1,4-Dioxane	7.038	88	562	Below Cal	#	53
56) Ethyl methacrylate	8.321	69	65	1.831	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.513	63	64	21.900	ug/l #	49
76) 1,2,3-Trichloropropane	10.636	75	100427	18.329	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	100427	50.867	ug/l #	9

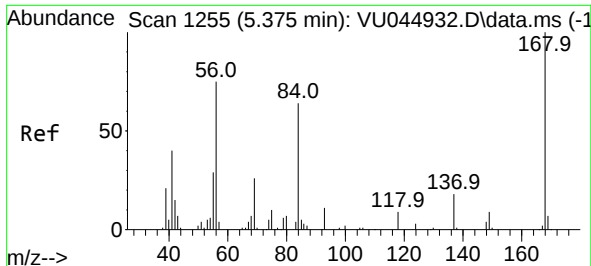
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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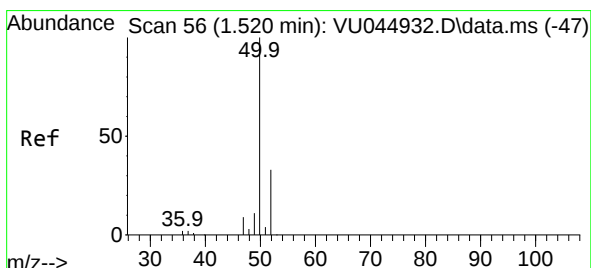
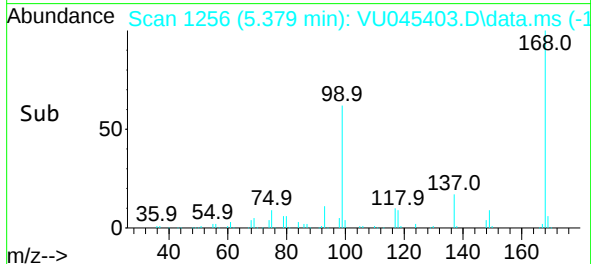
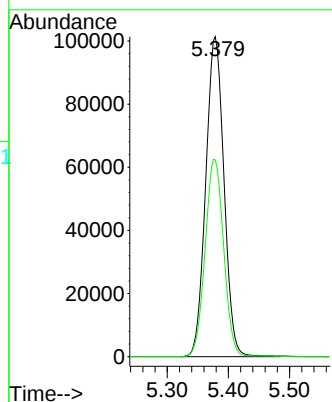
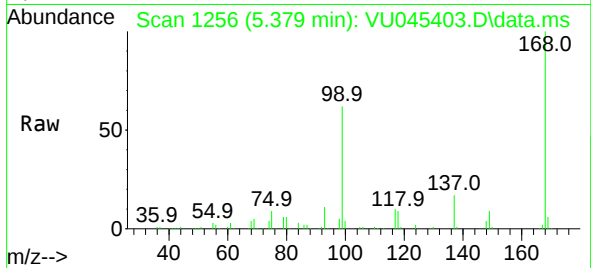




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 11
Delta R.T. 0.004 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

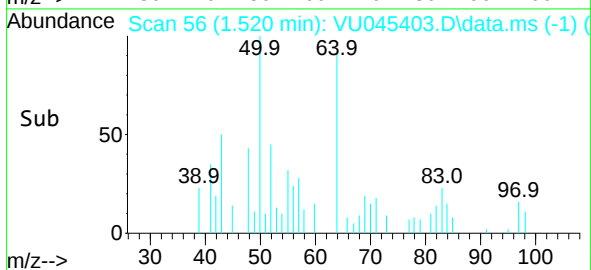
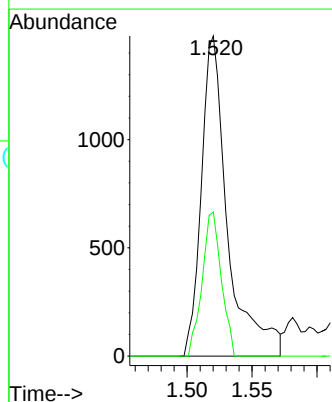
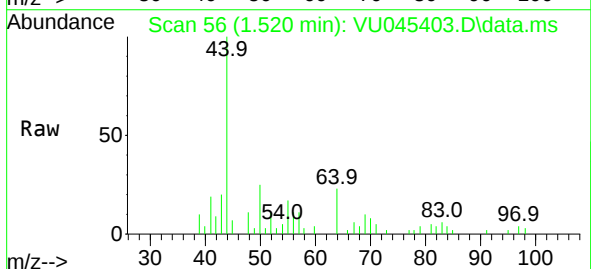
Instrument :
MSVOA_U
ClientSampleId :
VU1027

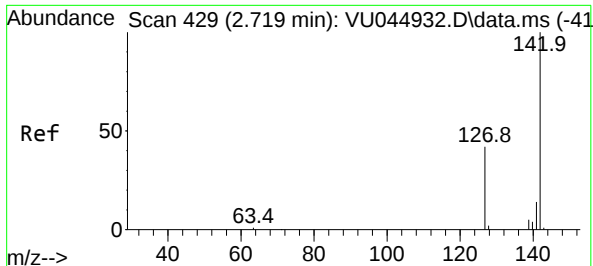
Tgt Ion:168 Resp: 210055
Ion Ratio Lower Upper
168 100
99 61.5 51.4 77.0



#3
Chloromethane
Concen: 0.620 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

Tgt Ion: 50 Resp: 2090
Ion Ratio Lower Upper
50 100
52 45.0 26.3 39.5

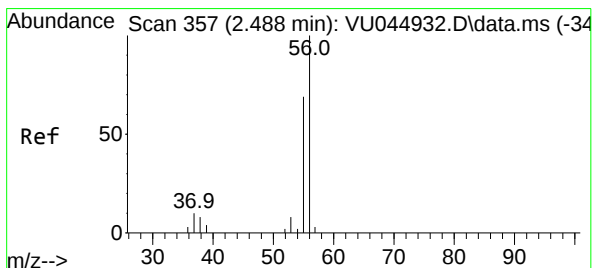
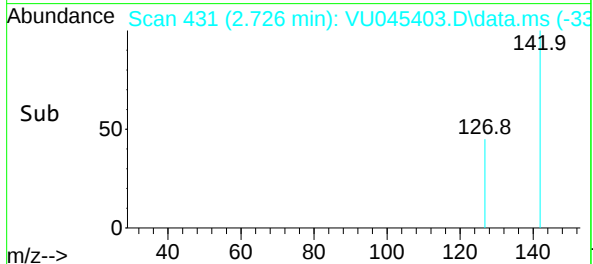
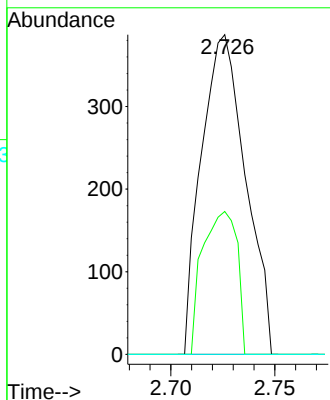
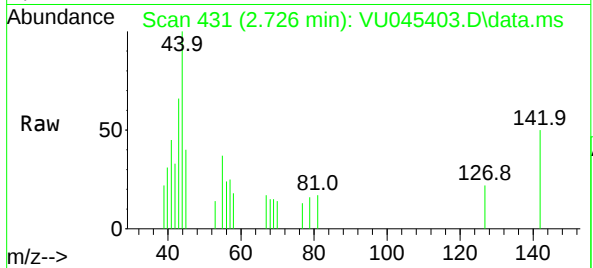




#10
Methyl Iodide
Concen: 0.212 ug/l
RT: 2.726 min Scan# 41
Delta R.T. 0.007 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

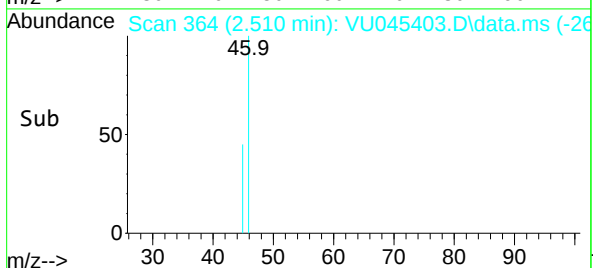
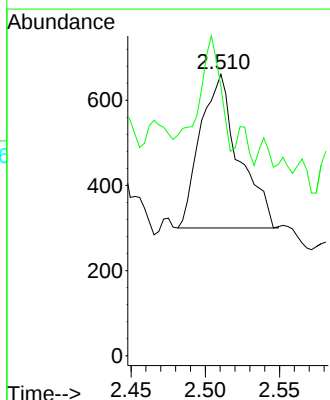
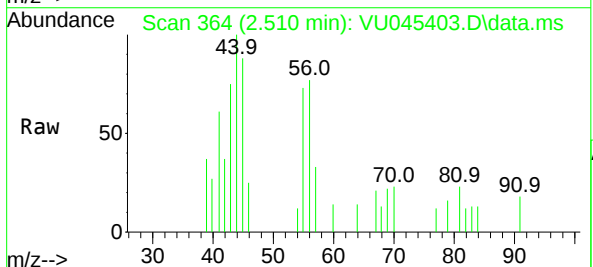
Instrument :
MSVOA_U
ClientSampleId :
VU1027

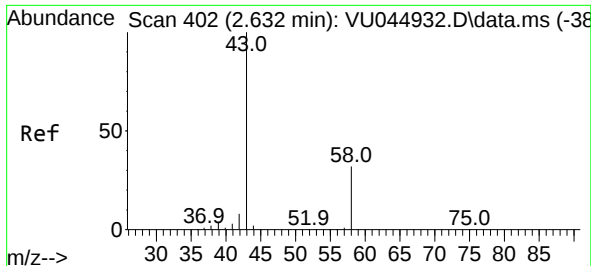
Tgt Ion:142 Resp: 573
Ion Ratio Lower Upper
142 100
127 34.9 35.6 53.4#
141 0.0 11.3 16.9#



#13
Acrolein
Concen: 6.425 ug/l
RT: 2.510 min Scan# 364
Delta R.T. 0.022 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

Tgt Ion: 56 Resp: 654
Ion Ratio Lower Upper
56 100
55 34.4 57.4 86.0#

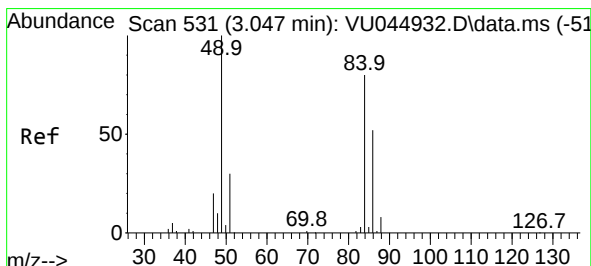
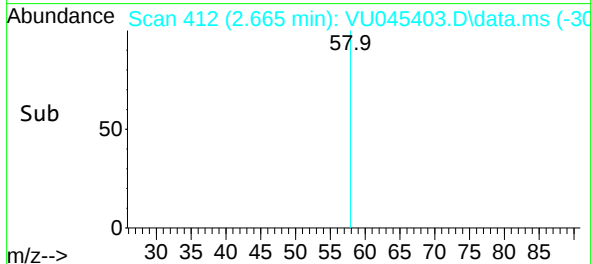
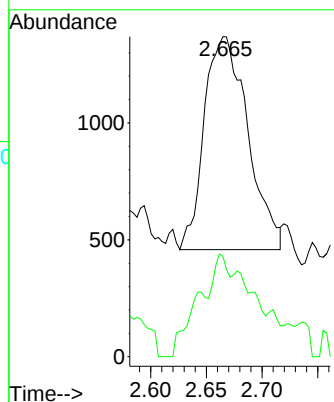
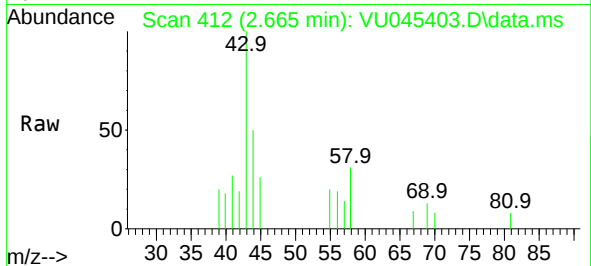




#16
Acetone
Concen: 1.196 ug/l
RT: 2.665 min Scan# 412
Delta R.T. 0.033 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

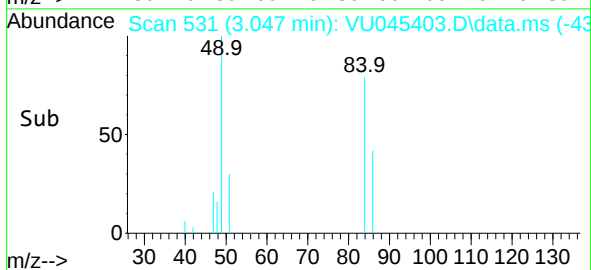
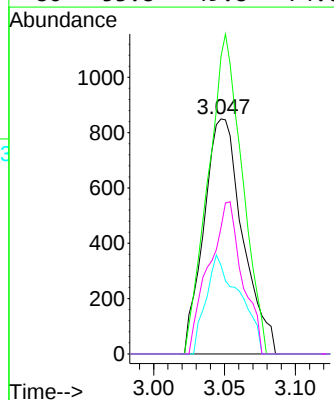
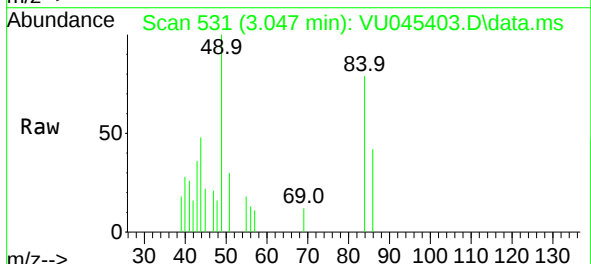
Instrument :
MSVOA_U
ClientSampleId :
VU1027

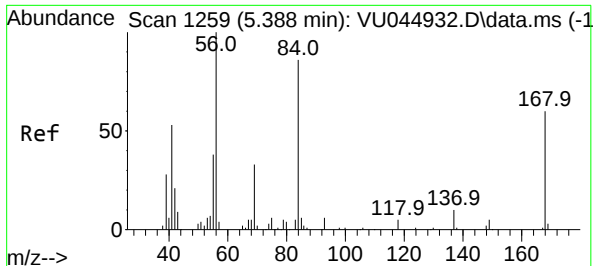
Tgt Ion: 43 Resp: 2483
Ion Ratio Lower Upper
43 100
58 35.1 25.2 37.8



#20
Methylene Chloride
Concen: 0.516 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

Tgt Ion: 84 Resp: 1612
Ion Ratio Lower Upper
84 100
49 126.6 104.9 157.3
51 37.6 31.8 47.8
86 53.8 49.8 74.6

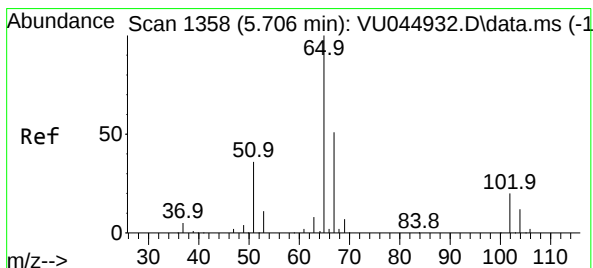
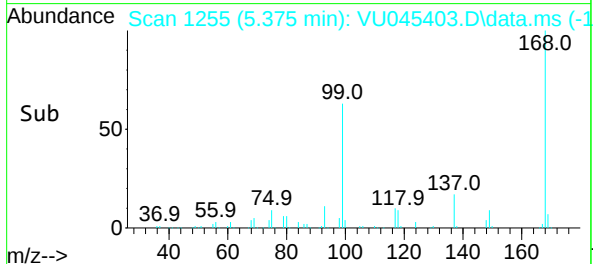
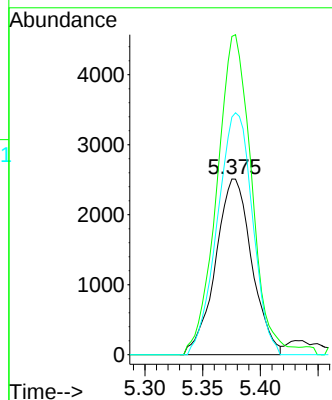
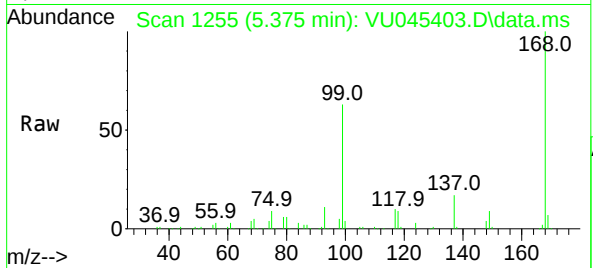




#31
Cyclohexane
Concen: 1.030 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.013 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

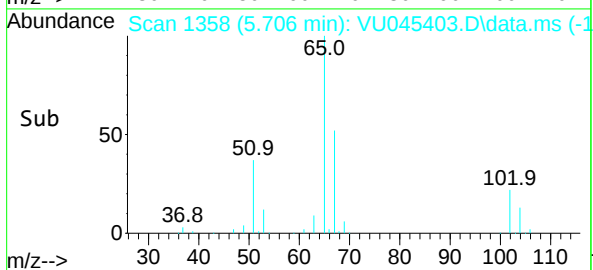
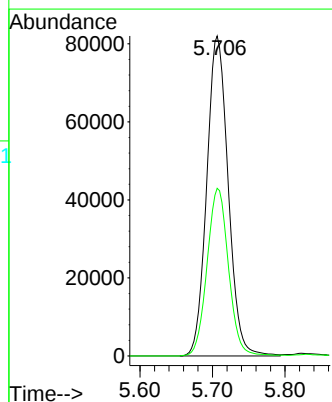
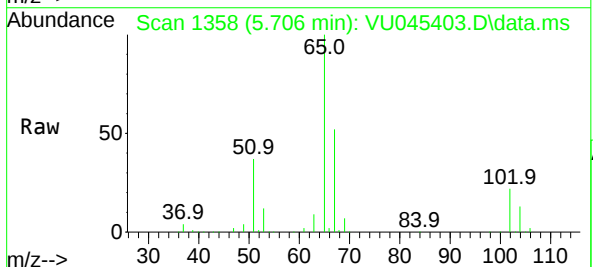
Instrument :
MSVOA_U
ClientSampleId :
VU1027

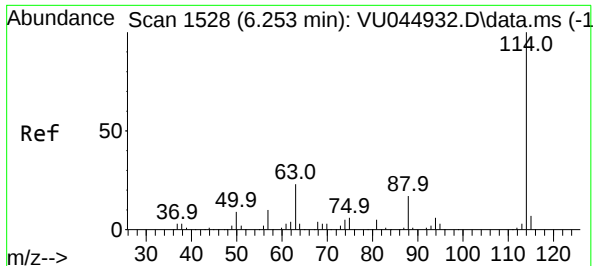
Tgt Ion: 56 Resp: 5472
Ion Ratio Lower Upper
56 100
69 181.1 25.2 37.8#
84 135.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.176 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

Tgt Ion: 65 Resp: 168453
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU045403.D

Acq: 26 Oct 2021 16:11

Instrument :

MSVOA_U

ClientSampleId :

VU1027

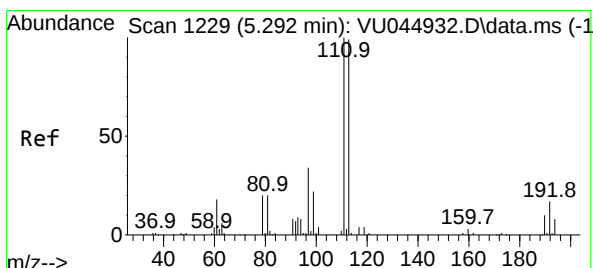
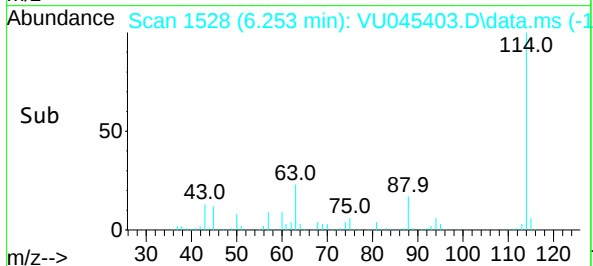
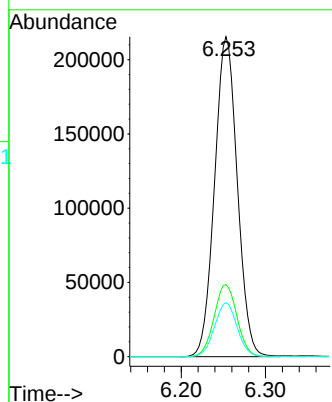
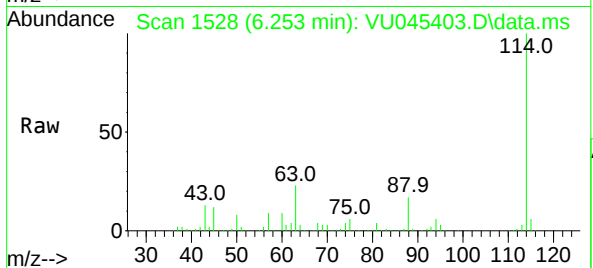
Tgt Ion:114 Resp: 402699

Ion Ratio Lower Upper

114 100

63 22.5 0.0 47.8

88 16.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.903 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU045403.D

Acq: 26 Oct 2021 16:11

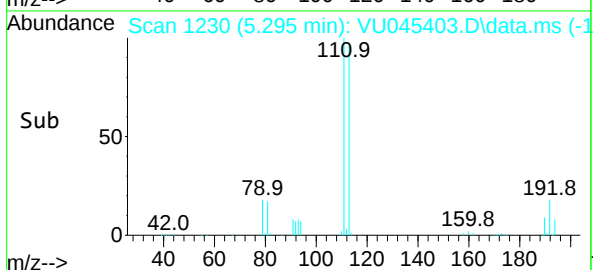
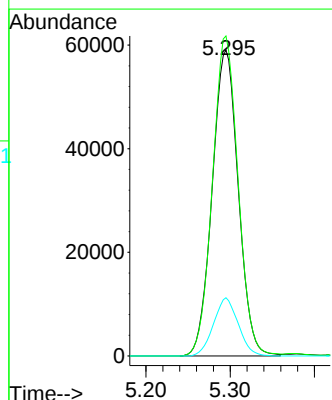
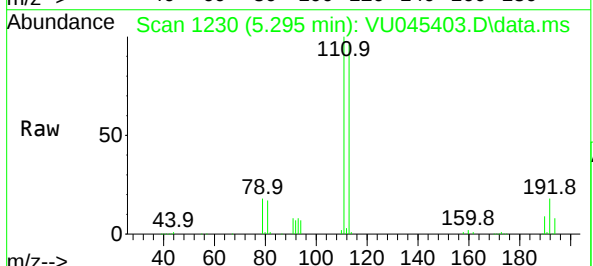
Tgt Ion:113 Resp: 126771

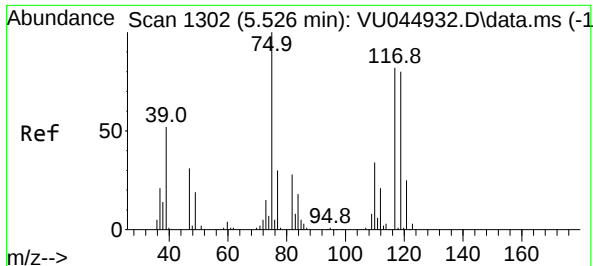
Ion Ratio Lower Upper

113 100

111 102.8 84.1 126.1

192 18.0 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.406 ug/l

RT: 5.379 min Scan# 11

Delta R.T. -0.147 min

Lab File: VU045403.D

Acq: 26 Oct 2021 16:11

Instrument :

MSVOA_U

ClientSampleId :

VU1027

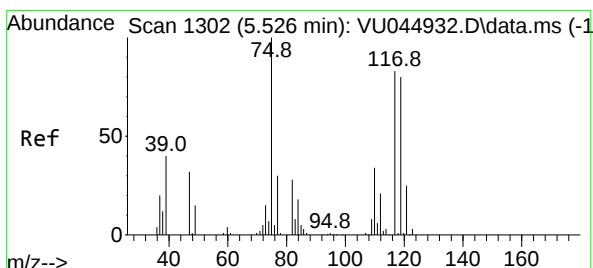
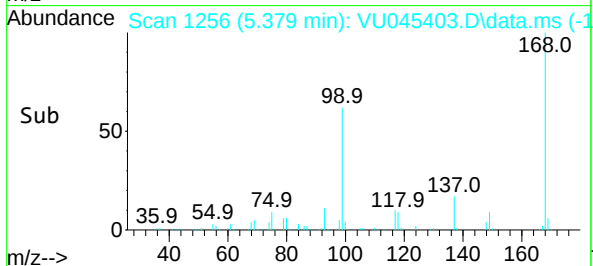
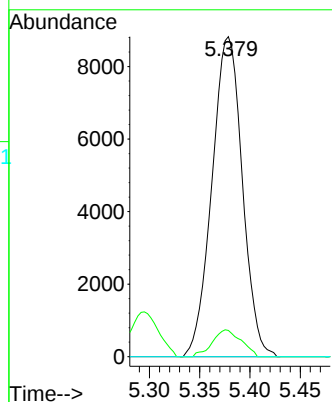
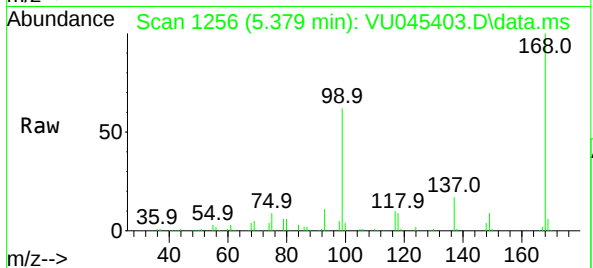
Tgt Ion: 75 Resp: 18556

Ion Ratio Lower Upper

75 100

110 7.9 16.3 48.9#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.042 ug/l

RT: 5.379 min Scan# 1256

Delta R.T. -0.147 min

Lab File: VU045403.D

Acq: 26 Oct 2021 16:11

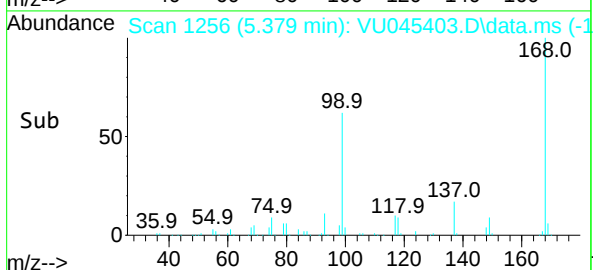
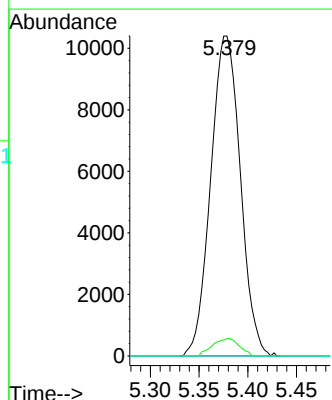
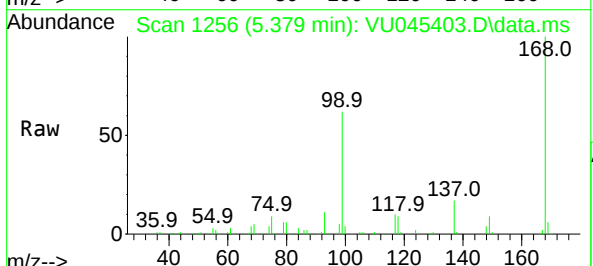
Tgt Ion: 117 Resp: 22019

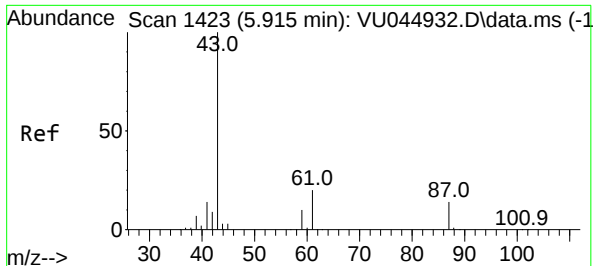
Ion Ratio Lower Upper

117 100

119 5.4 77.4 116.2#

121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 15.306 ug/l

RT: 6.137 min Scan# 1423

Delta R.T. 0.222 min

Lab File: VU045403.D

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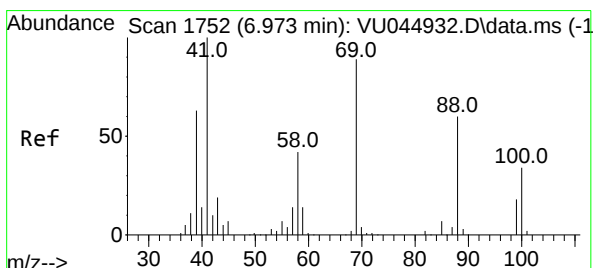
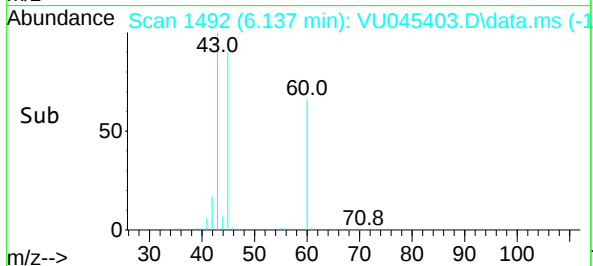
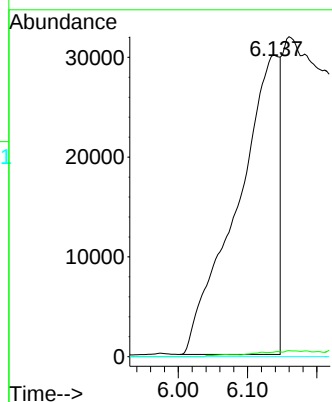
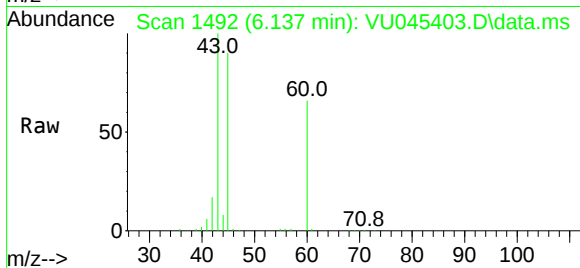
Tgt Ion: 43 Resp: 128311

Ion Ratio Lower Upper

43 100

61 0.3 16.1 24.1#

87 0.0 10.3 15.5#



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.038 min Scan# 1772

Delta R.T. 0.065 min

Lab File: VU045403.D

Acq: 26 Oct 2021 16:11

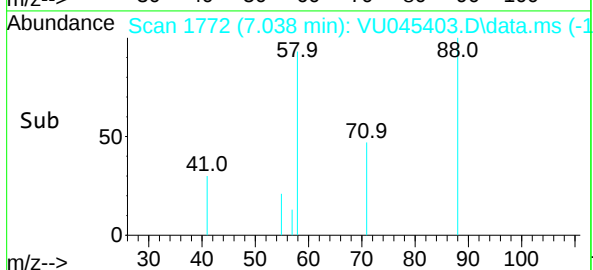
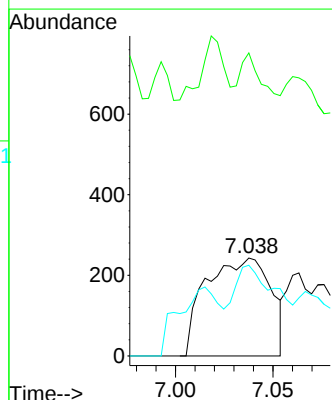
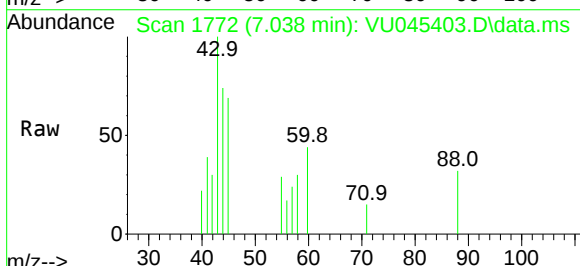
Tgt Ion: 88 Resp: 562

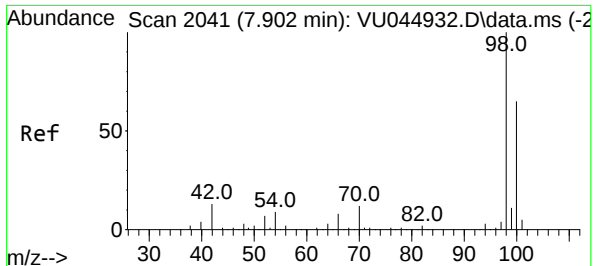
Ion Ratio Lower Upper

88 100

43 18.1 25.8 38.6#

58 27.8 61.3 91.9#

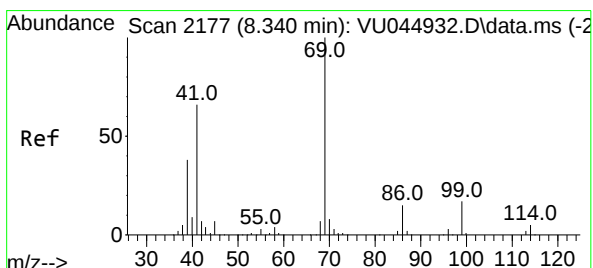
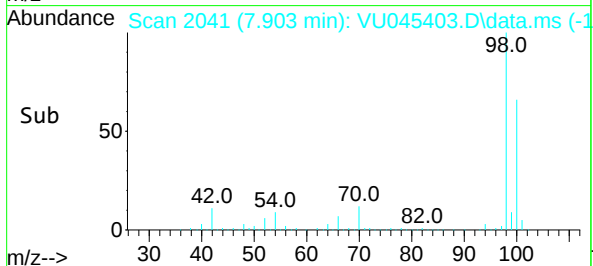
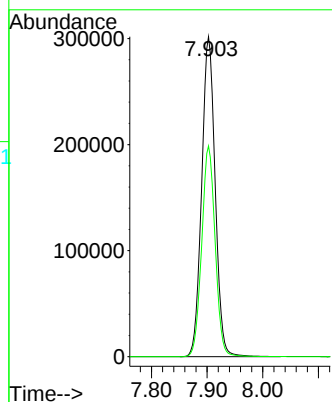
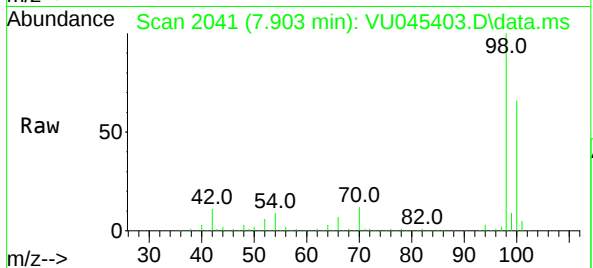




#50
Toluene-d8
Concen: 50.658 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

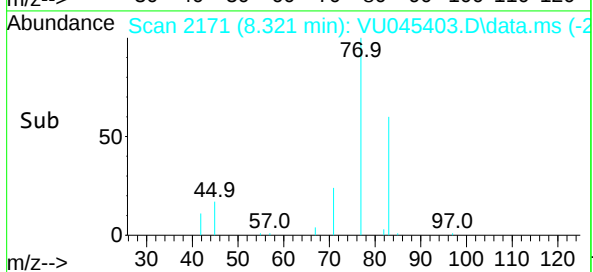
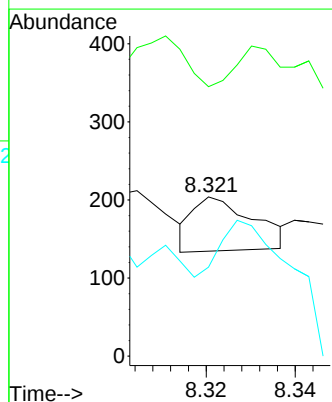
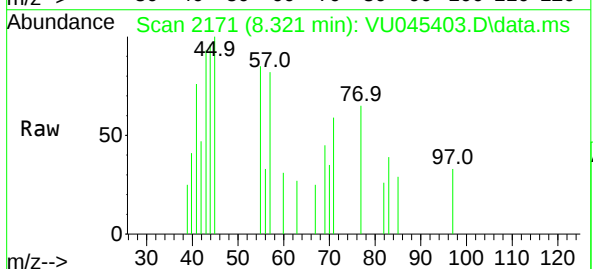
Instrument :
MSVOA_U
ClientSampleId :
VU1027

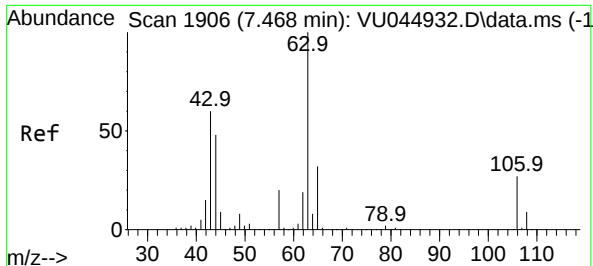
Tgt Ion: 98 Resp: 508473
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#56
Ethyl methacrylate
Concen: 1.831 ug/l
RT: 8.321 min Scan# 2171
Delta R.T. -0.019 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

Tgt Ion: 69 Resp: 65
Ion Ratio Lower Upper
69 100
41 190.8 53.5 80.3#
39 323.1 31.1 46.7#

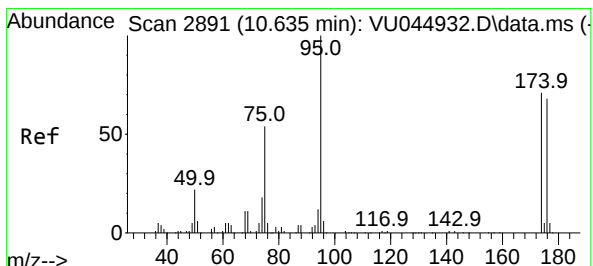
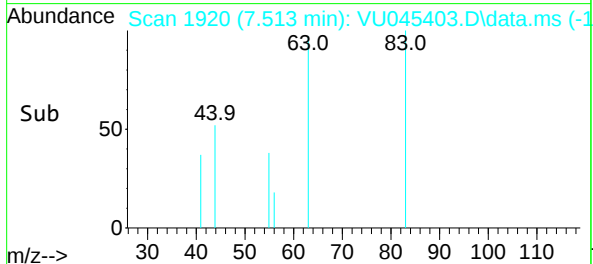
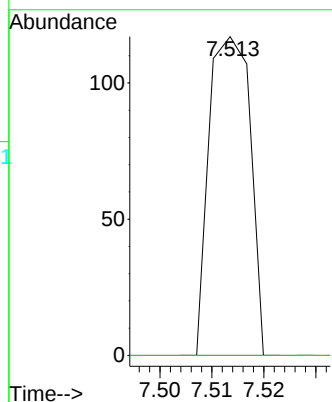
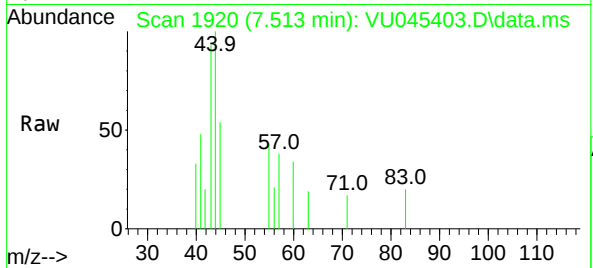




#58
2-Chloroethyl Vinyl ether
Concen: 21.900 ug/l
RT: 7.513 min Scan# 1906
Delta R.T. 0.045 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

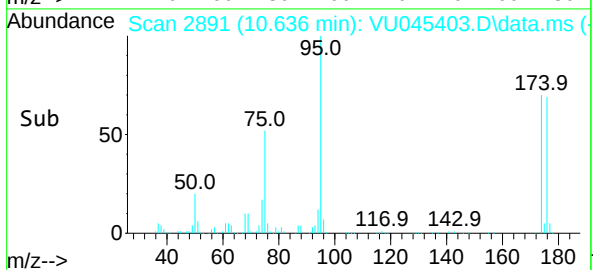
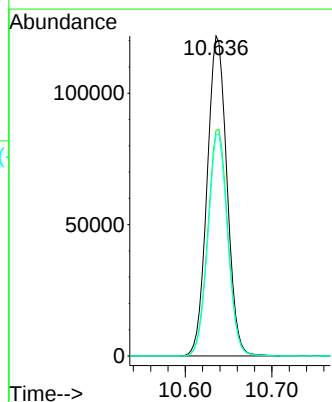
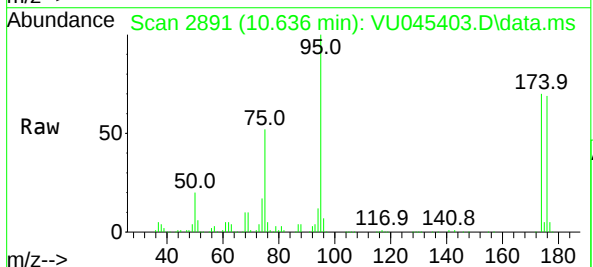
Instrument :
MSVOA_U
ClientSampleId :
VU1027

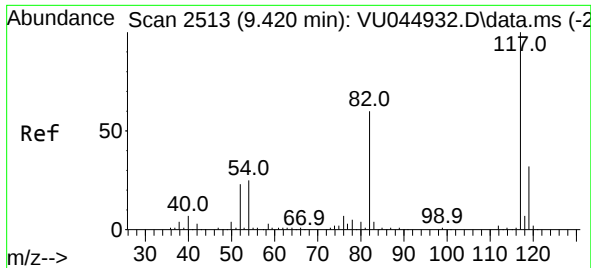
Tgt Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 20.5 30.7#



#62
4-Bromofluorobenzene
Concen: 46.696 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

Tgt Ion: 95 Resp: 193508
Ion Ratio Lower Upper
95 100
174 71.8 0.0 146.6
176 68.9 0.0 141.2

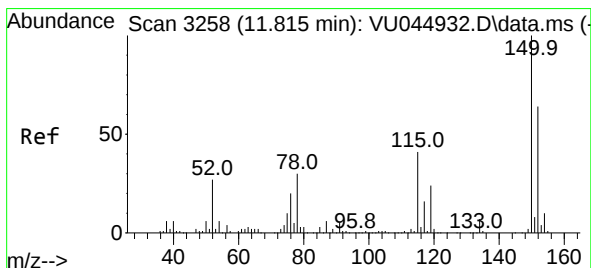
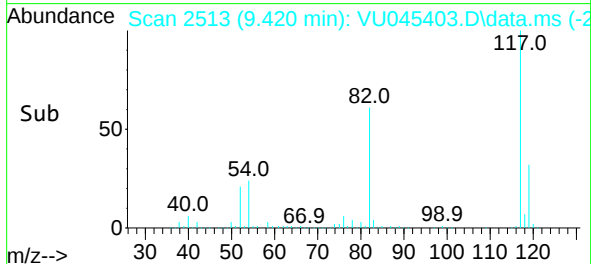
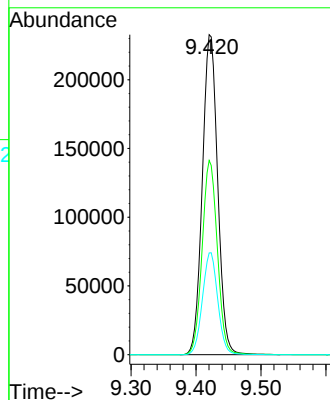
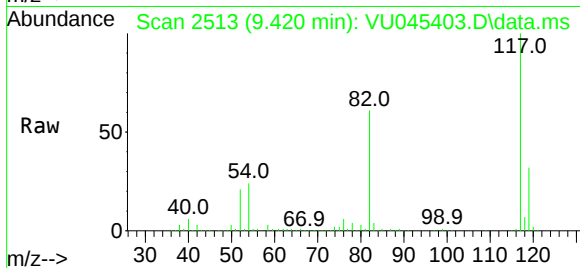




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

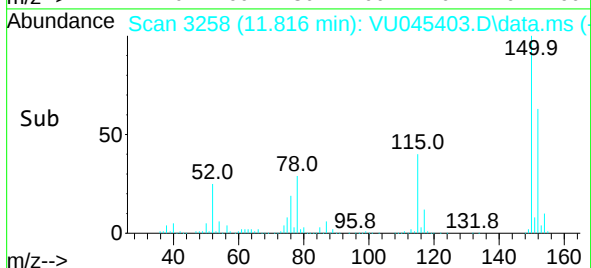
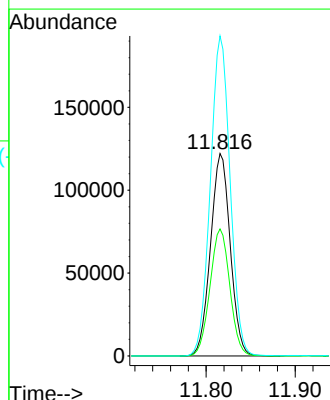
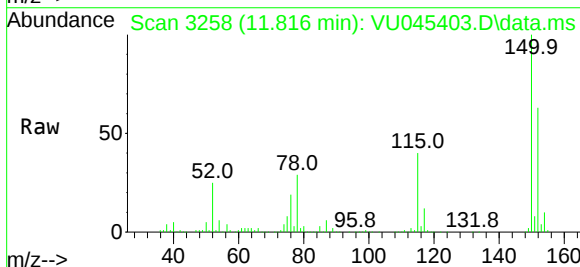
Instrument :
MSVOA_U
ClientSampleId :
VU1027

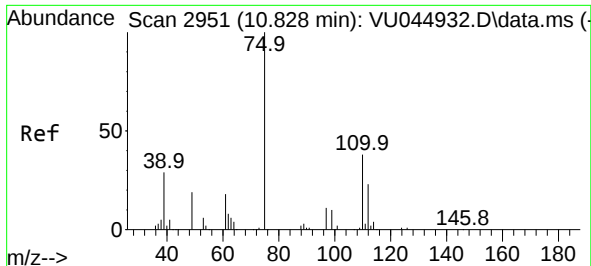
Tgt Ion:117 Resp: 383433
Ion Ratio Lower Upper
117 100
82 60.7 47.8 71.8
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

Tgt Ion:152 Resp: 187842
Ion Ratio Lower Upper
152 100
115 63.0 43.5 130.7
150 158.1 0.0 350.0

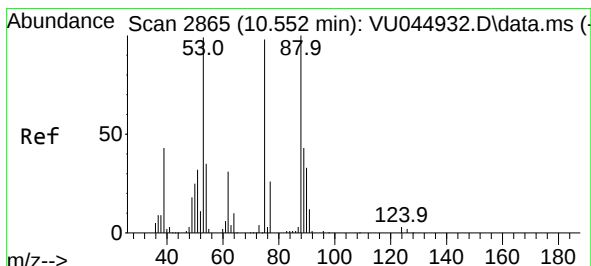
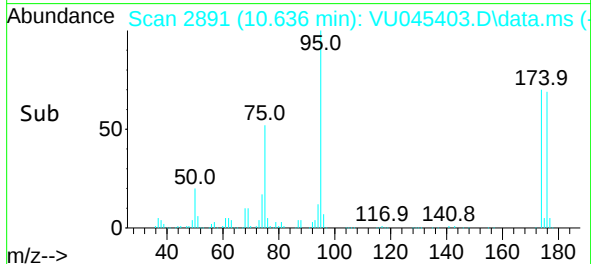
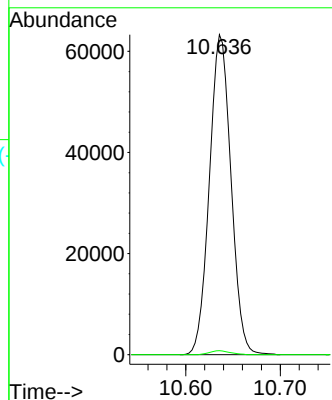
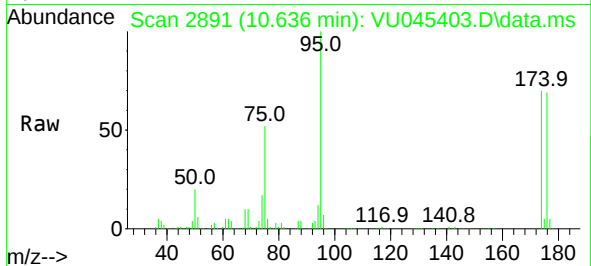




#76
1,2,3-Trichloropropane
Concen: 18.329 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.192 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

Instrument :
MSVOA_U
ClientSampleId :
VU1027

Tgt Ion: 75 Resp: 100427
Ion Ratio Lower Upper
75 100
77 1.2 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.867 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU045403.D
Acq: 26 Oct 2021 16:11

Tgt Ion: 75 Resp: 100427
Ion Ratio Lower Upper
75 100
53 0.1 82.0 123.0#
89 0.0 34.2 51.4#

