

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045387.D
 Acq On : 25 Oct 2021 16:14
 Operator : SY/MD
 Sample : M4294-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:44:11 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)

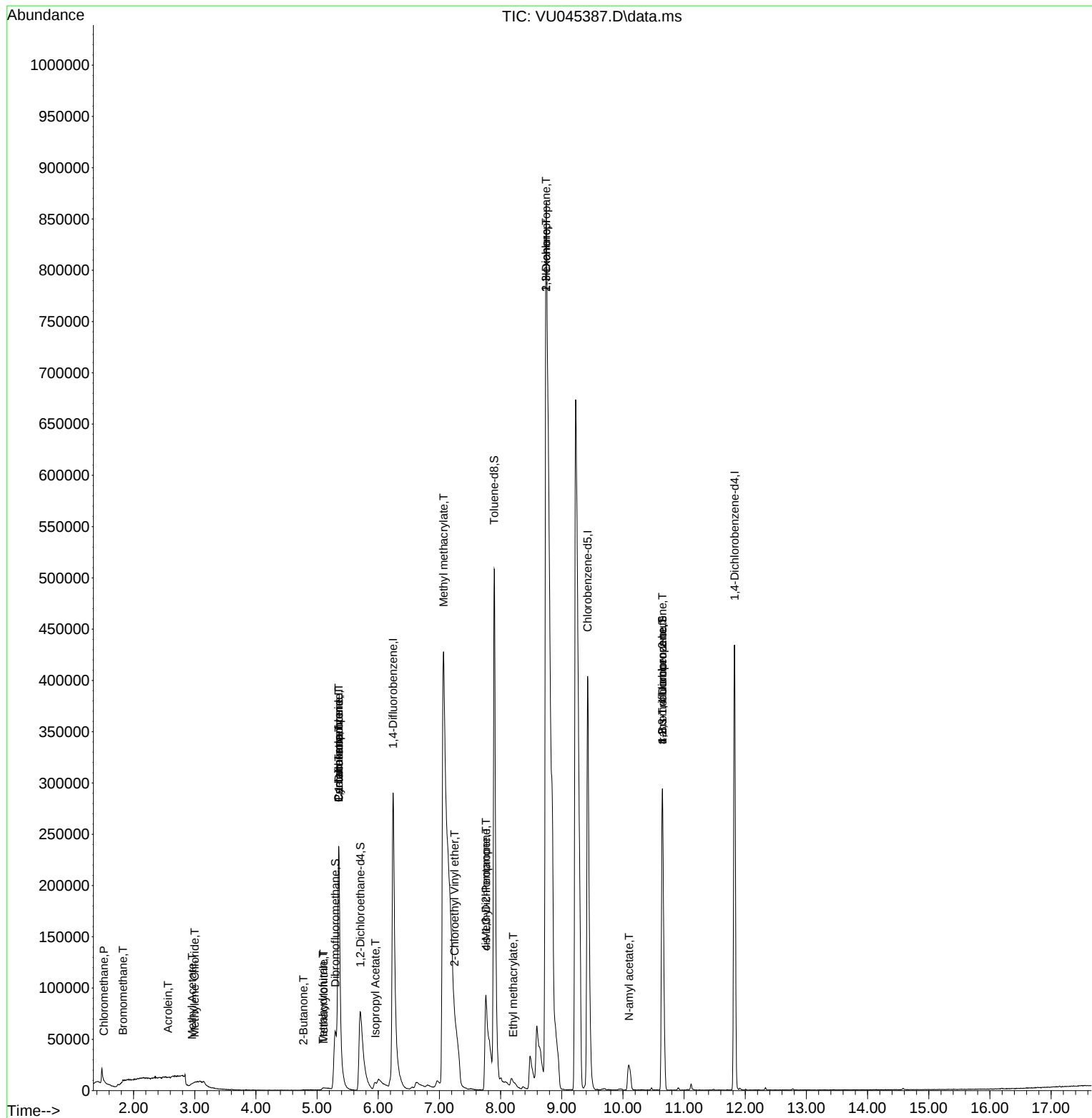
Internal Standards						
1) Pentafluorobenzene	5.356	168	187202	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	6.243	114	348668	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	327730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.825	152	136840	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	144743	46.448	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.900%
35) Dibromofluoromethane	5.298	113	89965	40.902	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	81.800%
50) Toluene-d8	7.896	98	443624	51.046	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.100%
62) 4-Bromofluorobenzene	10.645	95	158186	44.088	ug/l	0.01
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.180%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1443	0.481	ug/l	92
5) Bromomethane	1.825	94	572	0.486	ug/l #	58
13) Acrolein	2.565	56	67	3.504	ug/l #	70
18) Methyl Acetate	2.957	43	4897	0.906	ug/l #	56
20) Methylene Chloride	2.999	84	1501	0.539	ug/l #	82
25) 2-Butanone	4.777	43	680	0.259	ug/l #	48
29) Tetrahydrofuran	5.095	42	1002	0.640	ug/l #	65
31) Cyclohexane	5.353	56	4278	0.904	ug/l #	1
36) 1,1-Dichloropropene	5.353	75	19223	5.272	ug/l #	50
38) Carbon Tetrachloride	5.356	117	18991	6.019	ug/l #	15
41) Methacrylonitrile	5.108	41	1212	0.488	ug/l #	29
43) Isopropyl Acetate	5.954	43	11370	1.567	ug/l	94
48) Methyl methacrylate	7.066	41	139328	39.438	ug/l #	42
51) 4-Methyl-2-Pentanone	7.761	43	95296	18.035	ug/l #	41
54) cis-1,3-Dichloropropene	7.761	75	48553	10.824	ug/l #	58
56) Ethyl methacrylate	8.208	69	106	1.839	ug/l #	24
57) 1,3-Dichloropropane	8.742	76	27692	5.479	ug/l #	43
58) 2-Chloroethyl Vinyl ether	7.246	63	88	21.917	ug/l #	49
59) 2-Hexanone	8.745	43	320449	74.473	ug/l #	56
74) N-amyl acetate	10.098	43	15882	3.095	ug/l #	46
76) 1,2,3-Trichloropropane	10.645	75	82245	20.606	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.645	75	82245	57.184	ug/l #	9

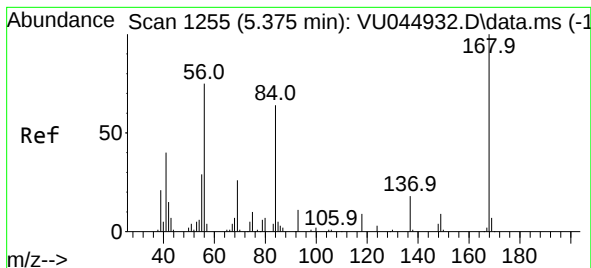
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 28 12:32:13 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.356 min Scan# 1249

Delta R.T. -0.019 min

Lab File: VU045387.D

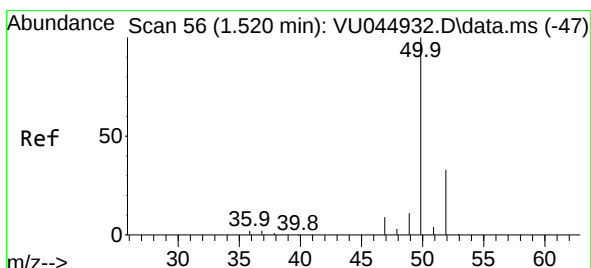
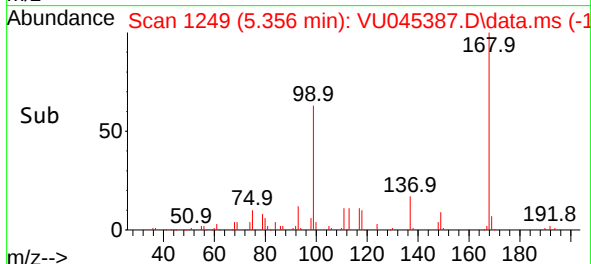
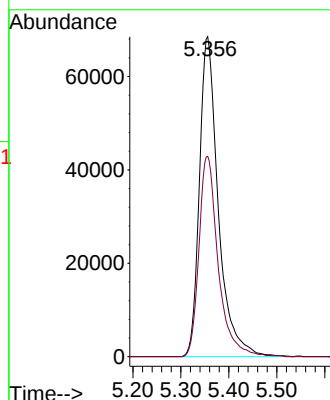
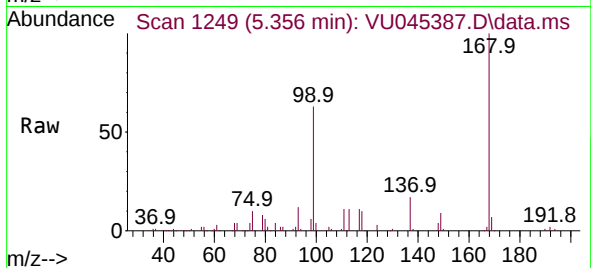
Acq: 25 Oct 2021 16:14

Tgt Ion:168 Resp: 187202

Ion Ratio Lower Upper

168 100

99 62.6 51.4 77.0



#3

Chloromethane

Concen: 0.481 ug/l

RT: 1.517 min Scan# 55

Delta R.T. -0.003 min

Lab File: VU045387.D

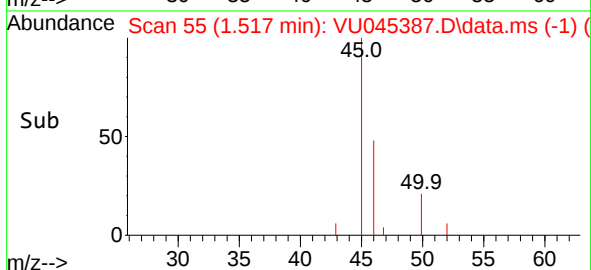
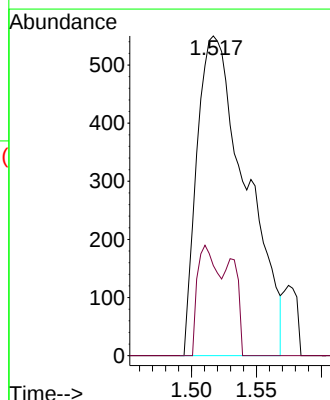
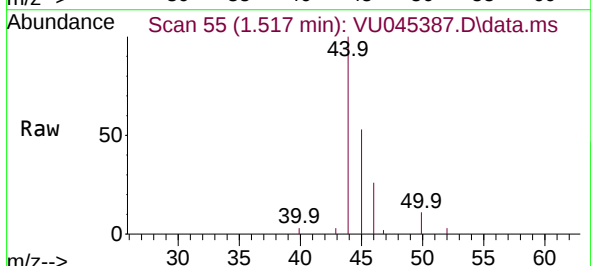
Acq: 25 Oct 2021 16:14

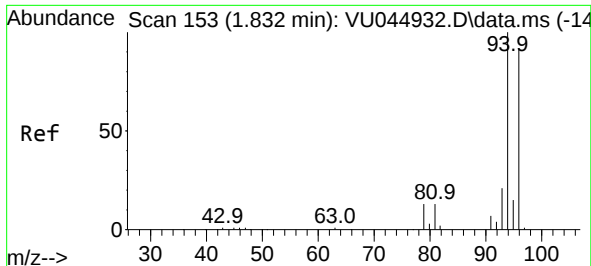
Tgt Ion: 50 Resp: 1443

Ion Ratio Lower Upper

50 100

52 28.2 26.3 39.5

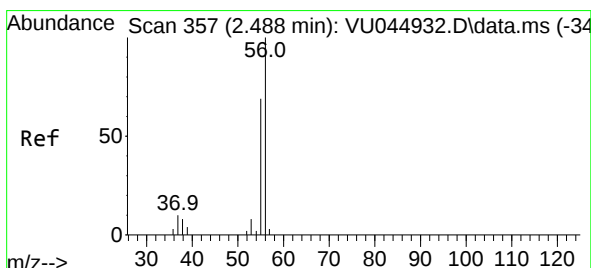
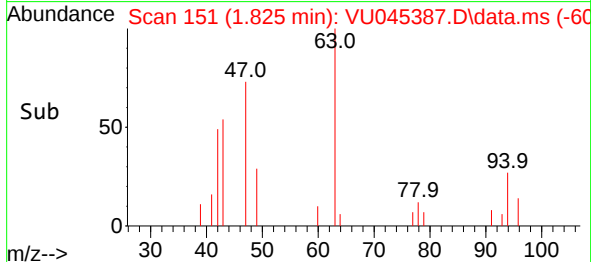
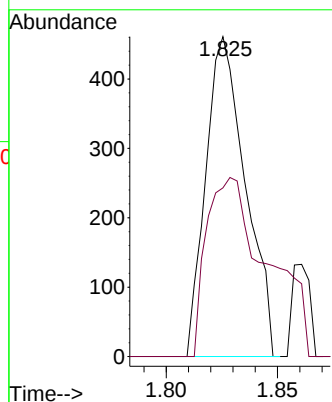
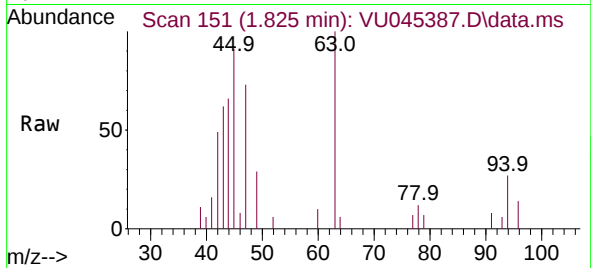




#5
Bromomethane
Concen: 0.486 ug/l
RT: 1.825 min Scan# 151
Delta R.T. -0.007 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

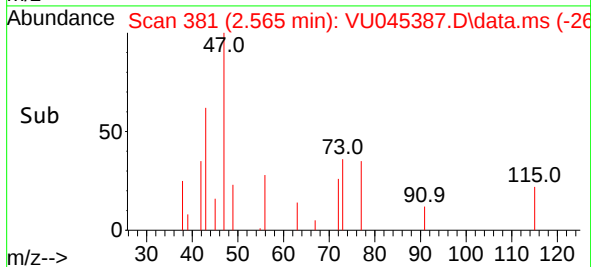
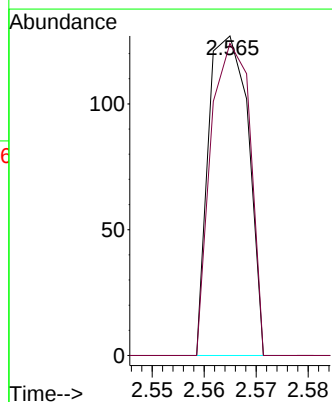
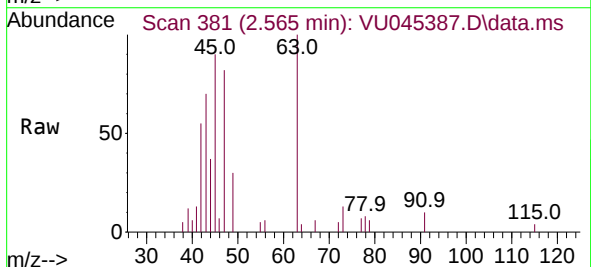
Instrument :
MSVOA_U
ClientSampled :

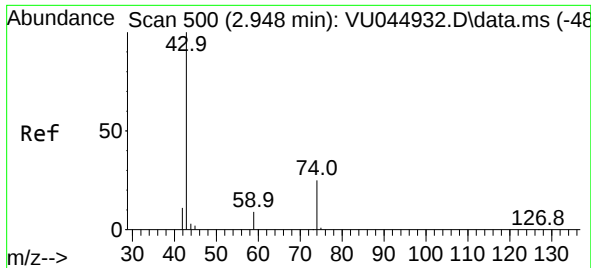
Tgt Ion: 94 Resp: 572
Ion Ratio Lower Upper
94 100
96 52.7 74.5 111.7#



#13
Acrolein
Concen: 3.504 ug/l
RT: 2.565 min Scan# 381
Delta R.T. 0.077 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 97.0 57.4 86.0#

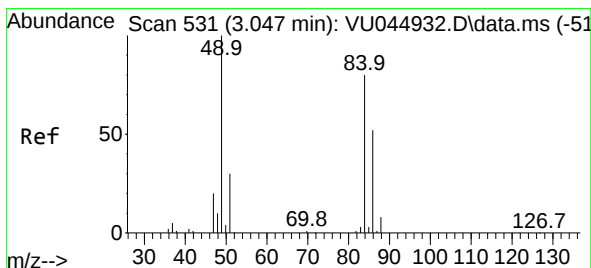
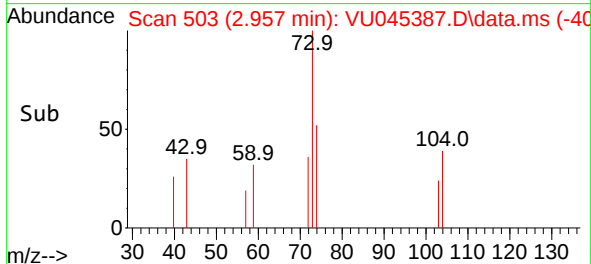
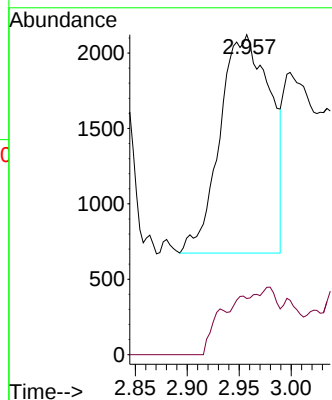
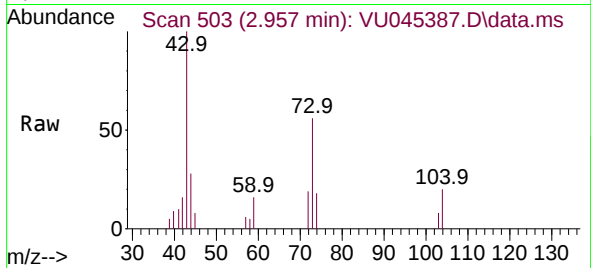




#18
Methyl Acetate
Concen: 0.906 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

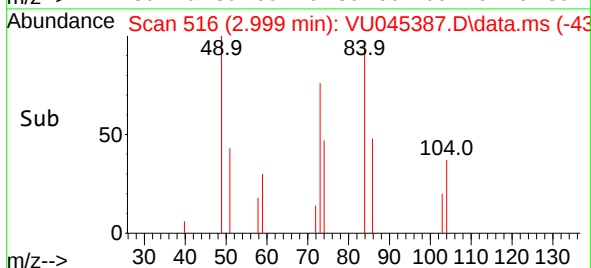
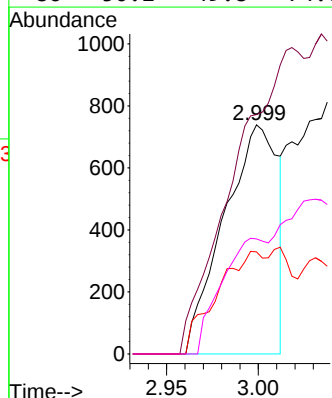
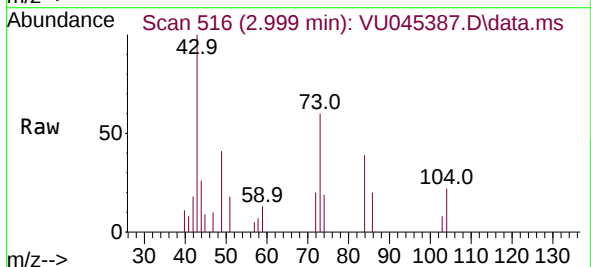
Instrument :
MSVOA_U
ClientSampleId :

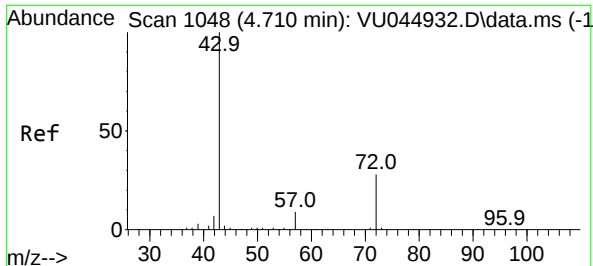
Tgt Ion: 43 Resp: 4897
Ion Ratio Lower Upper
43 100
74 2.1 19.0 28.6#



#20
Methylene Chloride
Concen: 0.539 ug/l
RT: 2.999 min Scan# 516
Delta R.T. -0.048 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 84 Resp: 1501
Ion Ratio Lower Upper
84 100
49 104.5 104.9 157.3#
51 44.5 31.8 47.8
86 50.2 49.8 74.6

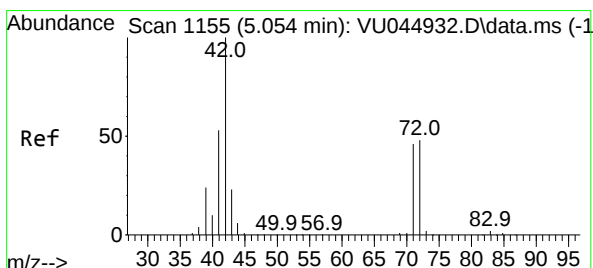
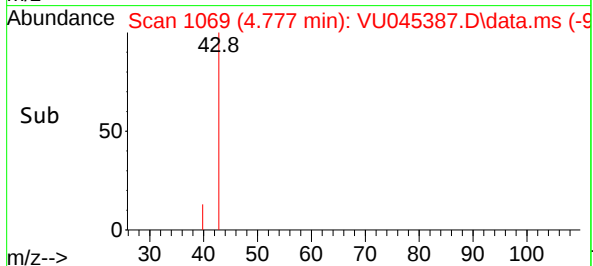
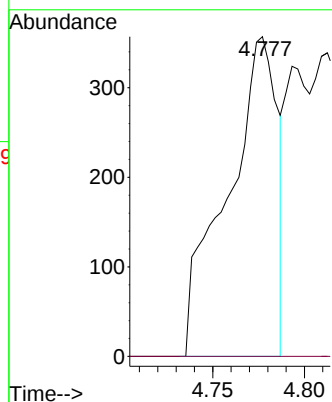
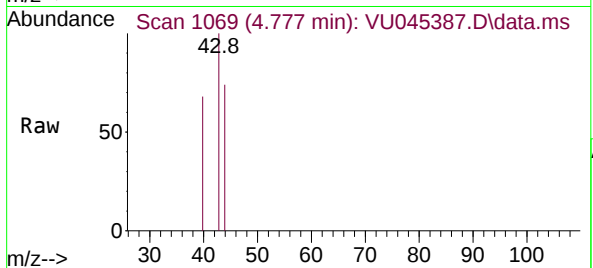




#25
2-Butanone
Concen: 0.259 ug/l
RT: 4.777 min Scan# 1069
Delta R.T. 0.067 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

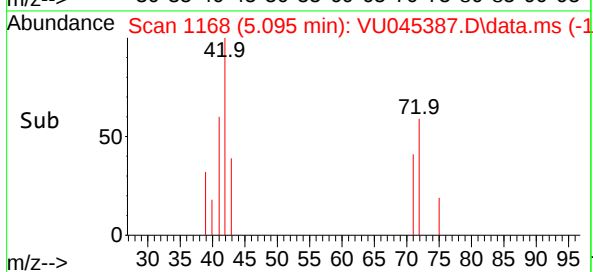
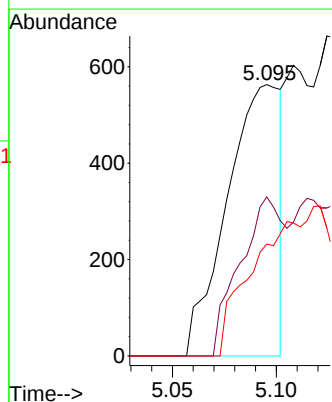
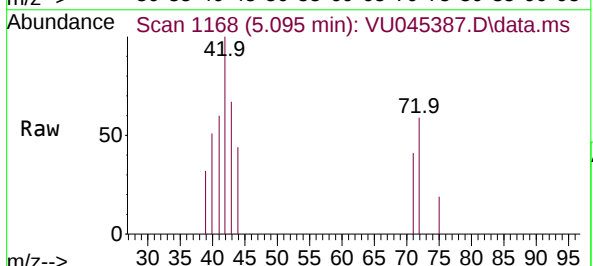
Instrument :
MSVOA_U
ClientSampled :

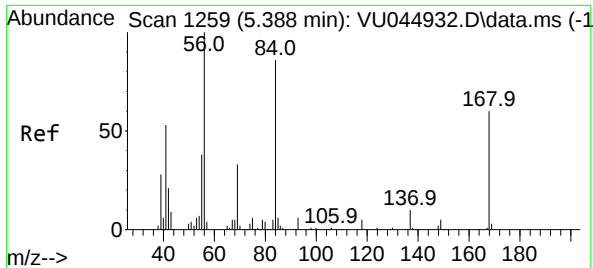
Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
72 0.0 21.3 31.9#



#29
Tetrahydrofuran
Concen: 0.640 ug/l
RT: 5.095 min Scan# 1168
Delta R.T. 0.041 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 42 Resp: 1002
Ion Ratio Lower Upper
42 100
72 49.1 36.2 54.4
71 0.0 34.1 51.1#

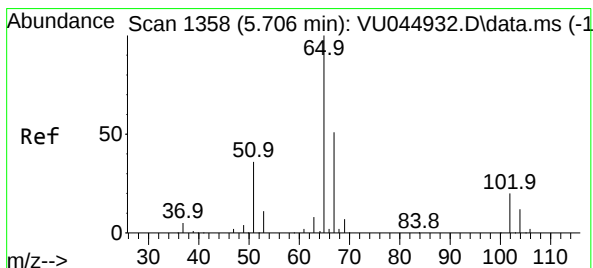
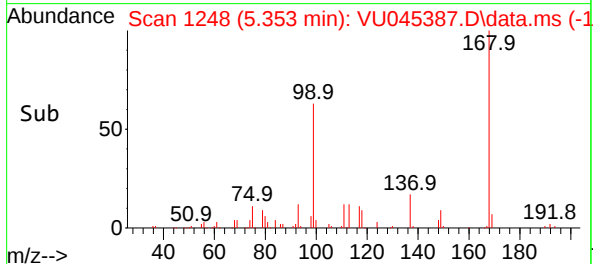
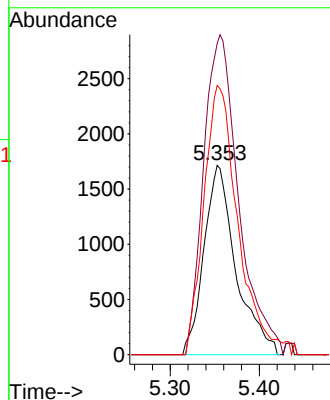
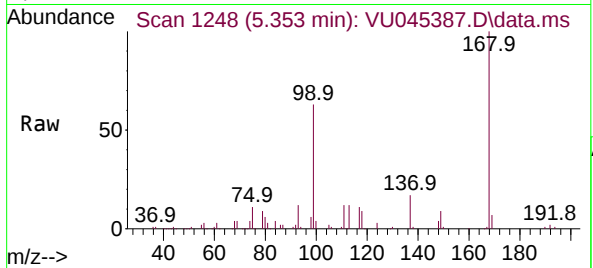




#31
Cyclohexane
Concen: 0.904 ug/l
RT: 5.353 min Scan# 1248
Delta R.T. -0.035 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

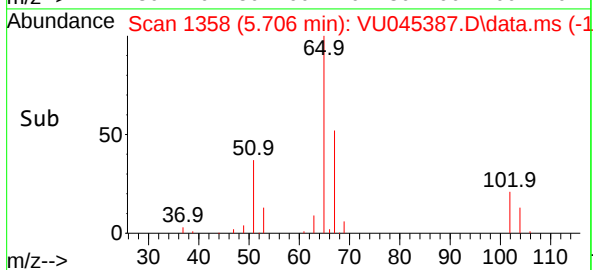
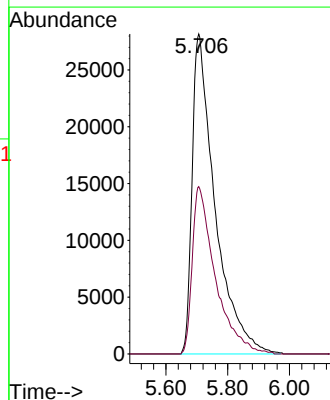
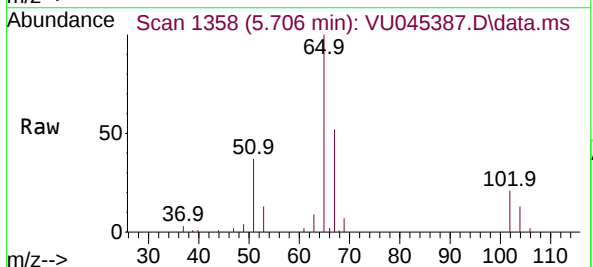
Instrument :
MSVOA_U
ClientSampleId :

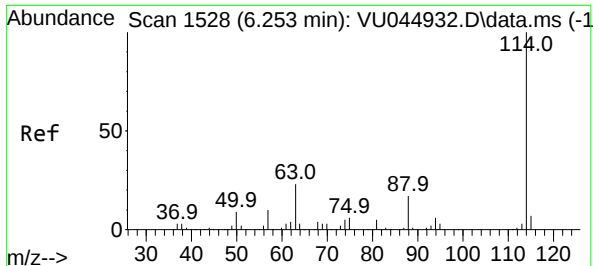
Tgt Ion:	56	Resp:	4278
Ion Ratio	Lower	Upper	
56	100		
69	164.3	25.2	37.8#
84	142.2	66.4	99.6#



#33
1,2-Dichloroethane-d4
Concen: 46.448 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Tgt Ion:	65	Resp:	144743
Ion Ratio	Lower	Upper	
65	100		
67	52.5	0.0	104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. -0.010 min

Lab File: VU045387.D

Acq: 25 Oct 2021 16:14

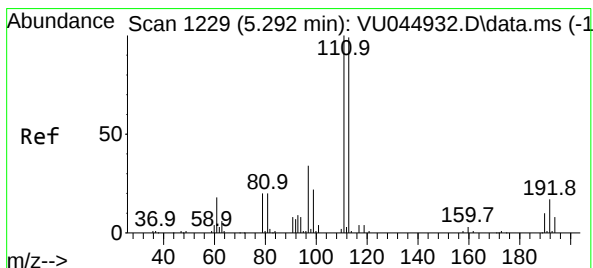
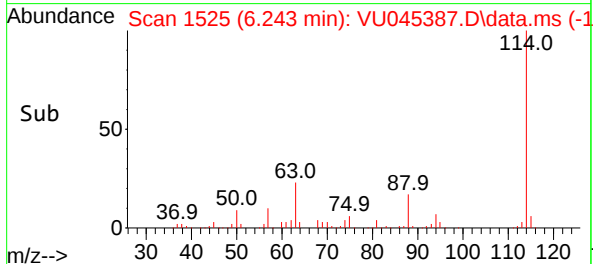
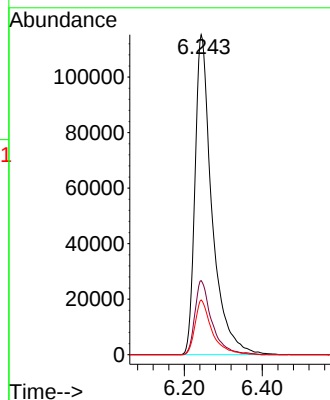
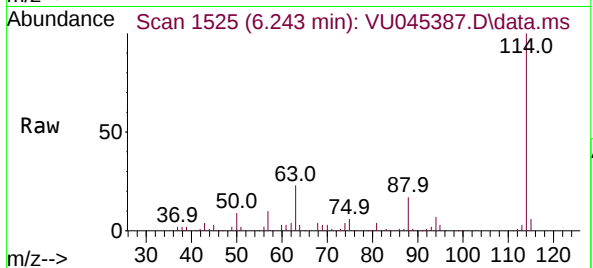
Tgt Ion:114 Resp: 348668

Ion Ratio Lower Upper

114 100

63 23.2 0.0 47.8

88 17.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 40.902 ug/l

RT: 5.298 min Scan# 1231

Delta R.T. 0.006 min

Lab File: VU045387.D

Acq: 25 Oct 2021 16:14

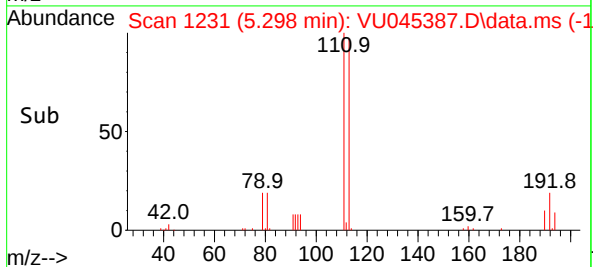
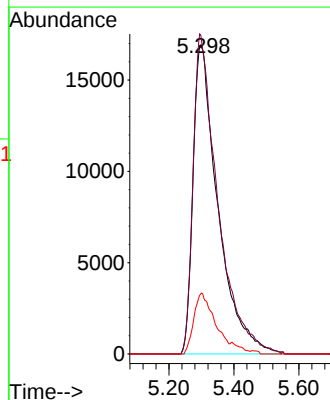
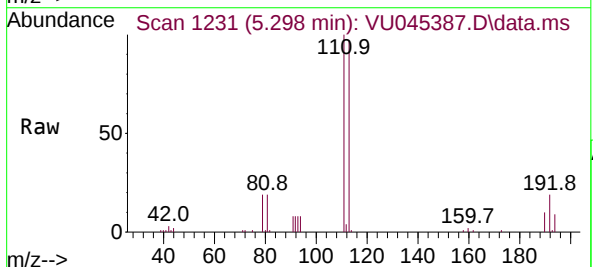
Tgt Ion:113 Resp: 89965

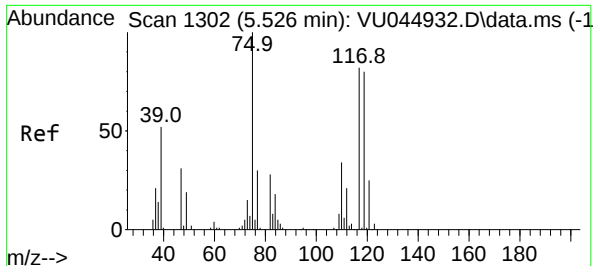
Ion Ratio Lower Upper

113 100

111 102.9 84.1 126.1

192 16.5 14.8 22.2



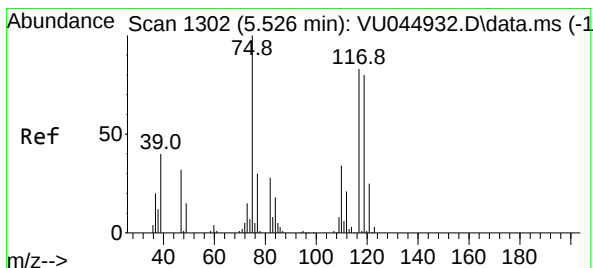
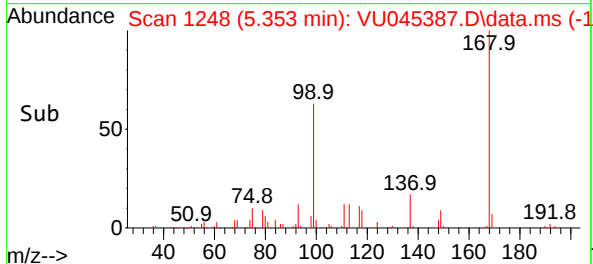
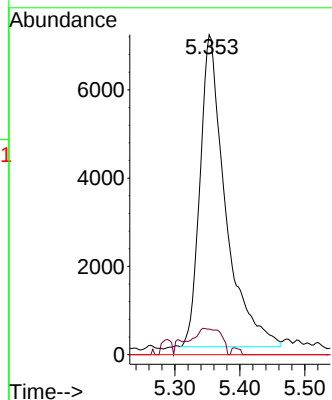
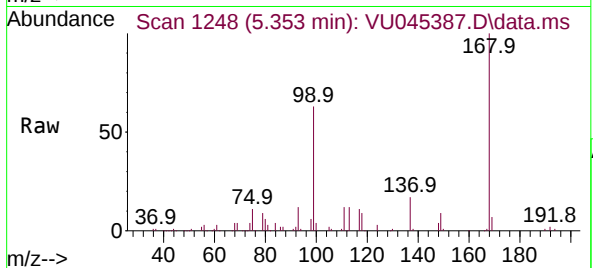


#36

1,1-Dichloropropene
Concen: 5.272 ug/l
RT: 5.353 min Scan# 1248
Delta R.T. -0.173 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Instrument :
MSVOA_U
ClientSampleId :

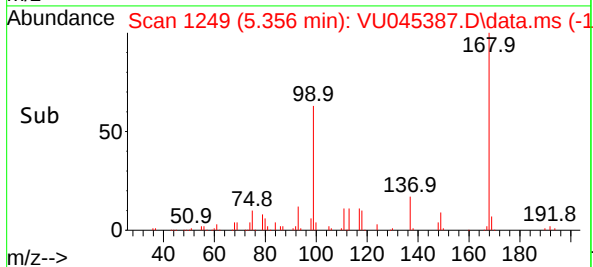
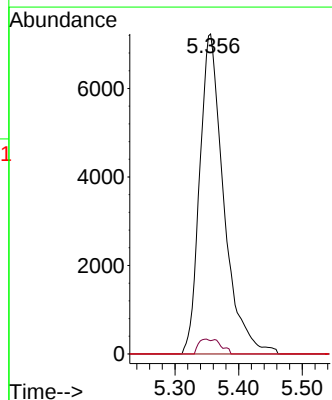
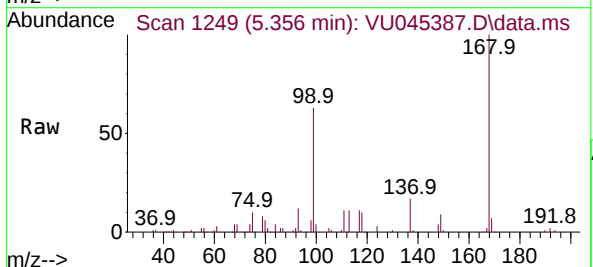
Tgt Ion: 75 Resp: 19223
Ion Ratio Lower Upper
75 100
110 8.4 16.3 48.9#
77 0.0 25.0 37.4#

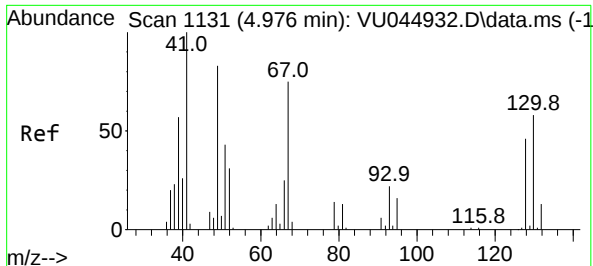


#38

Carbon Tetrachloride
Concen: 6.019 ug/l
RT: 5.356 min Scan# 1249
Delta R.T. -0.170 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 117 Resp: 18991
Ion Ratio Lower Upper
117 100
119 4.1 77.4 116.2#
121 0.0 24.5 36.7#



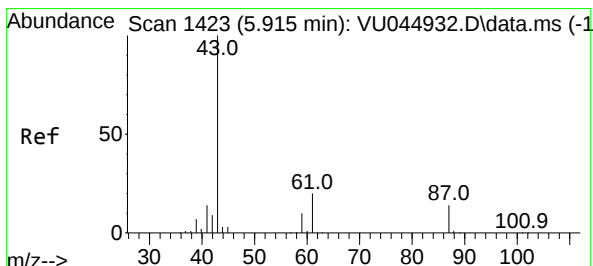
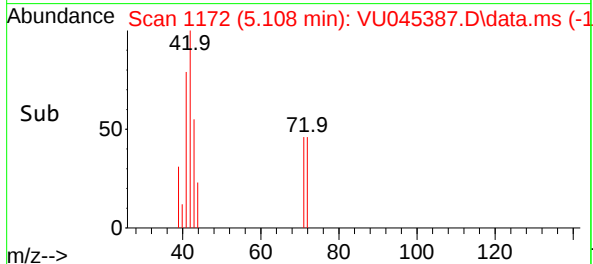
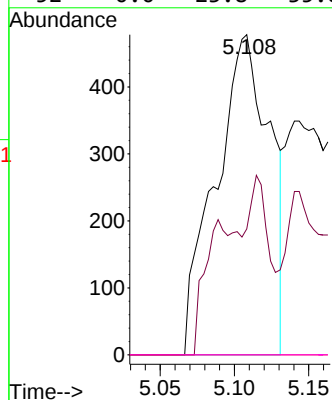
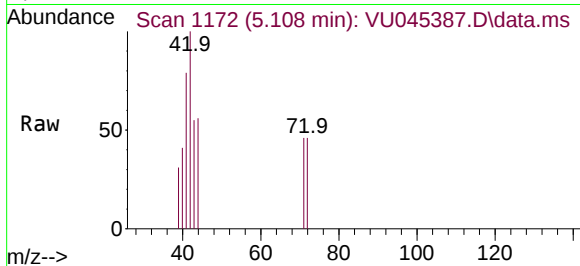


#41
Methacrylonitrile
Concen: 0.488 ug/l
RT: 5.108 min Scan# 1172
Delta R.T. 0.132 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 41 Resp: 1212

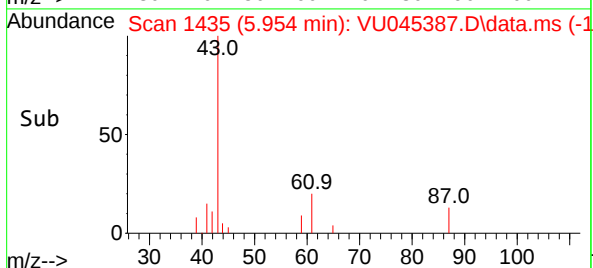
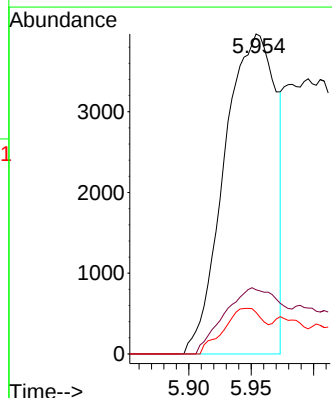
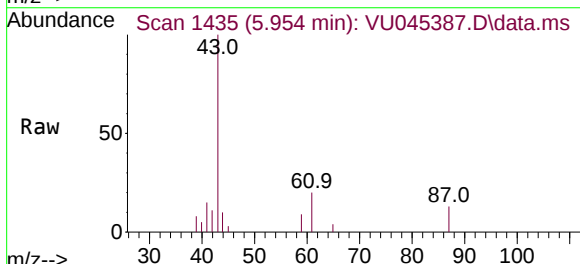
Ion	Ratio	Lower	Upper
41	100		
39	11.9	44.4	66.6#
67	0.0	58.1	87.1#
52	0.0	23.8	35.8#

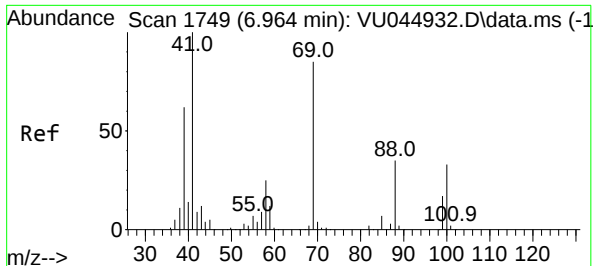


#43
Isopropyl Acetate
Concen: 1.567 ug/l
RT: 5.954 min Scan# 1435
Delta R.T. 0.039 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 43 Resp: 11370

Ion	Ratio	Lower	Upper
43	100		
61	23.4	16.1	24.1
87	11.0	10.3	15.5

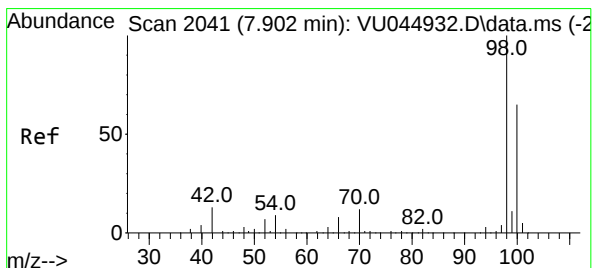
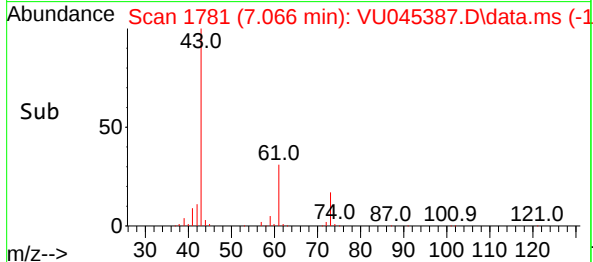
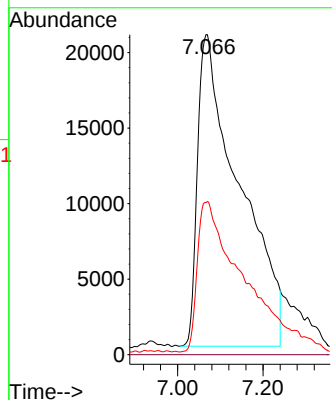
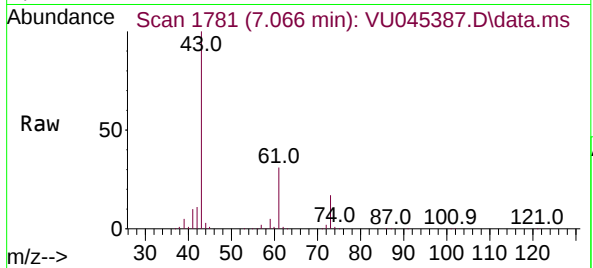




#48
Methyl methacrylate
Concen: 39.438 ug/l
RT: 7.066 min Scan# 1781
Delta R.T. 0.102 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

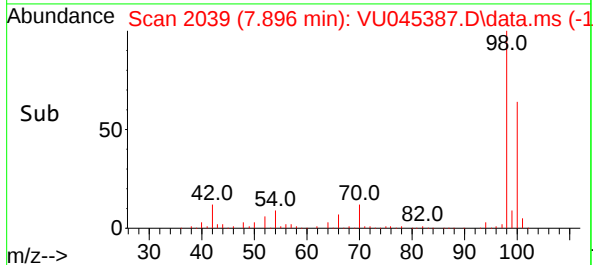
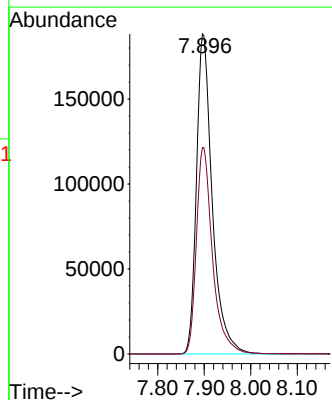
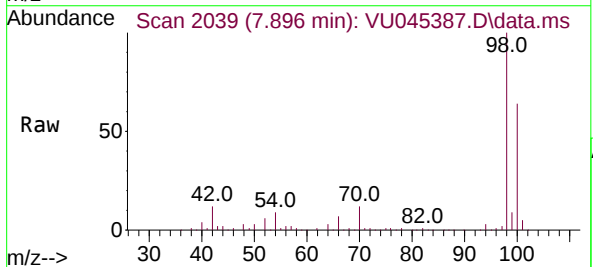
Instrument :
MSVOA_U
ClientSampled :

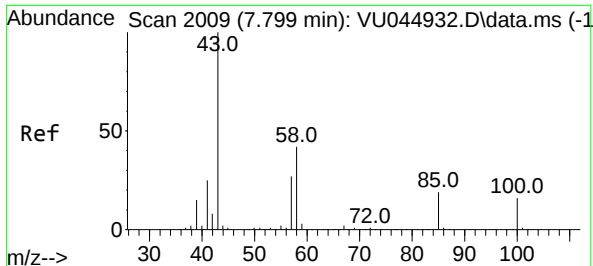
Tgt Ion: 41 Resp: 139328
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 49.6 46.2 69.4



#50
Toluene-d8
Concen: 51.046 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.006 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 98 Resp: 443624
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7

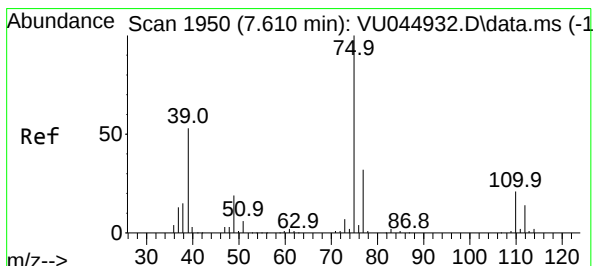
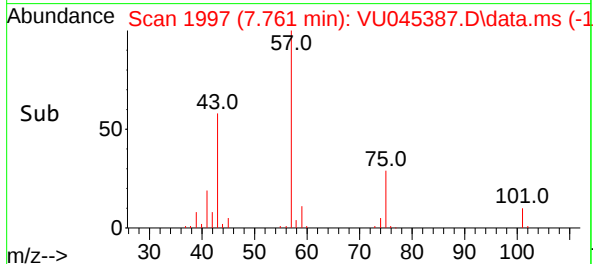
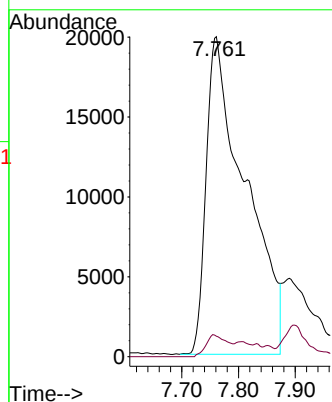
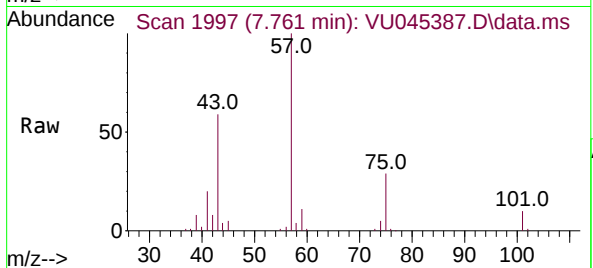




#51
4-Methyl-2-Pentanone
Concen: 18.035 ug/l
RT: 7.761 min Scan# 1997
Delta R.T. -0.038 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

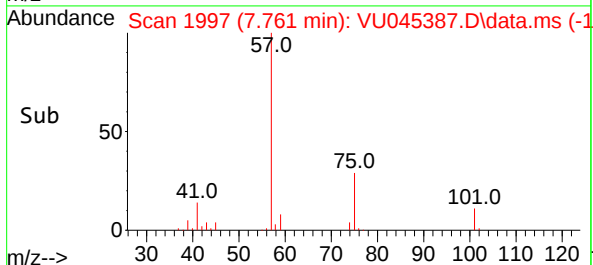
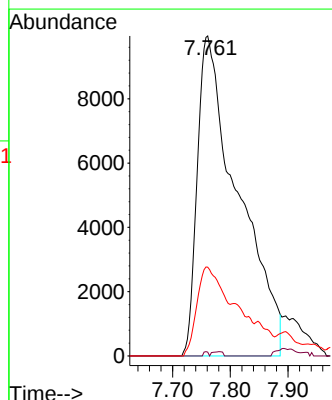
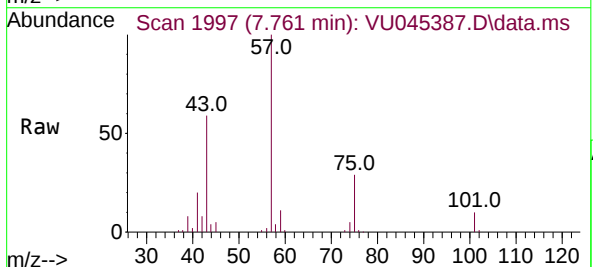
Instrument :
MSVOA_U
ClientSampled :

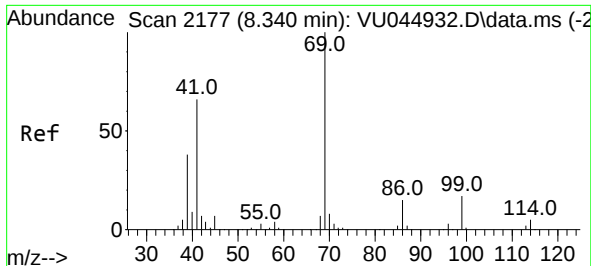
Tgt Ion: 43 Resp: 95296
Ion Ratio Lower Upper
43 100
58 3.7 32.4 48.6#



#54
cis-1,3-Dichloropropene
Concen: 10.824 ug/l
RT: 7.761 min Scan# 1997
Delta R.T. 0.151 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 75 Resp: 48553
Ion Ratio Lower Upper
75 100
77 1.2 25.0 37.6#
39 27.7 41.4 62.2#

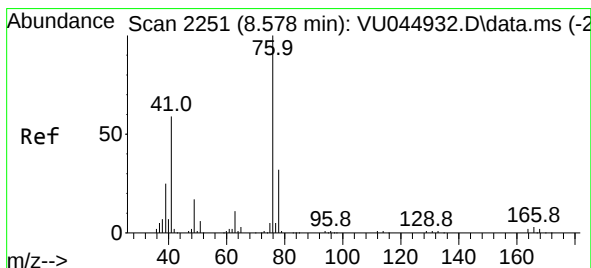
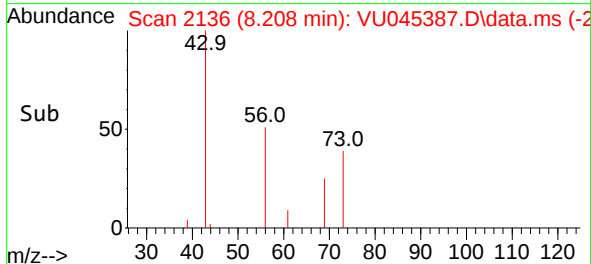
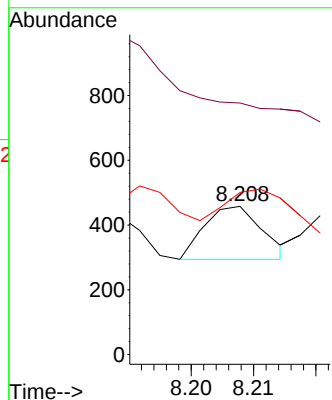
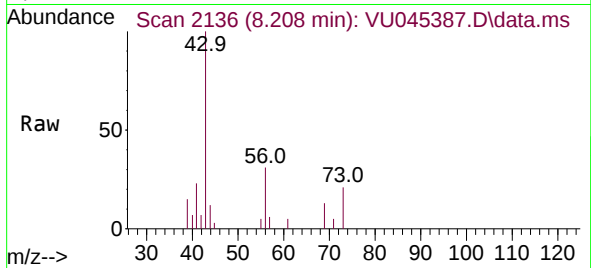




#56
Ethyl methacrylate
Concen: 1.839 ug/l
RT: 8.208 min Scan# 2136
Delta R.T. -0.132 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

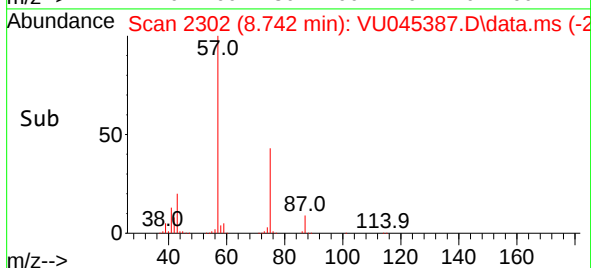
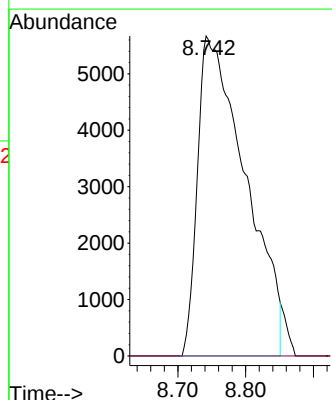
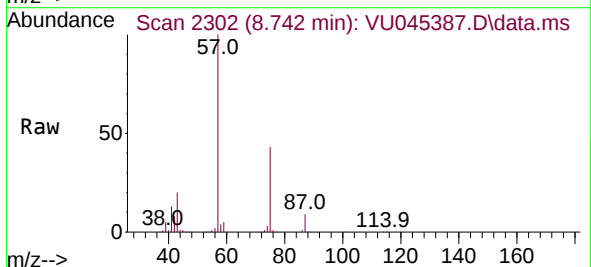
Instrument :
MSVOA_U
ClientSampleId :

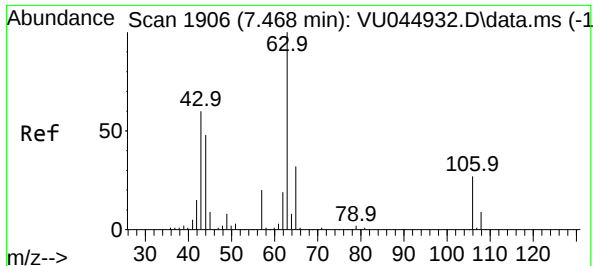
Tgt Ion: 69 Resp: 106
Ion Ratio Lower Upper
69 100
41 0.0 53.5 80.3#
39 0.0 31.1 46.7#



#57
1,3-Dichloropropane
Concen: 5.479 ug/l
RT: 8.742 min Scan# 2302
Delta R.T. 0.164 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 76 Resp: 27692
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

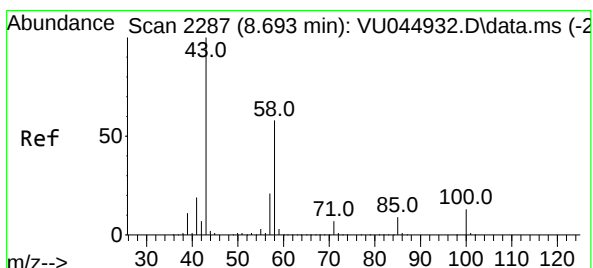
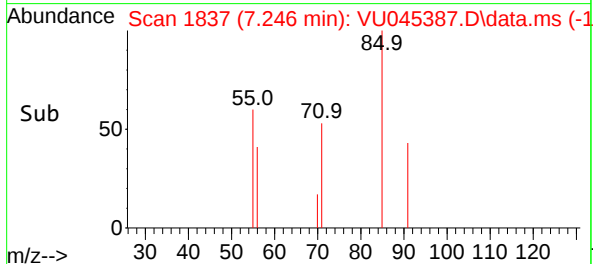
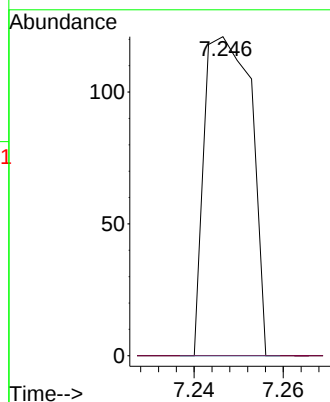
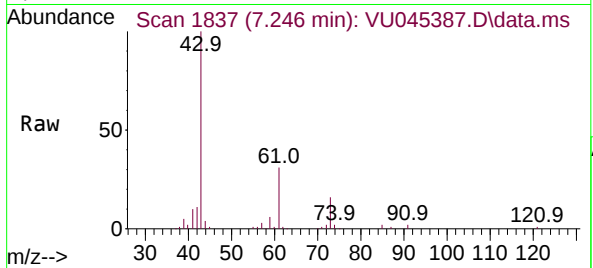




#58
2-Chloroethyl Vinyl ether
Concen: 21.917 ug/l
RT: 7.246 min Scan# 1837
Delta R.T. -0.222 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

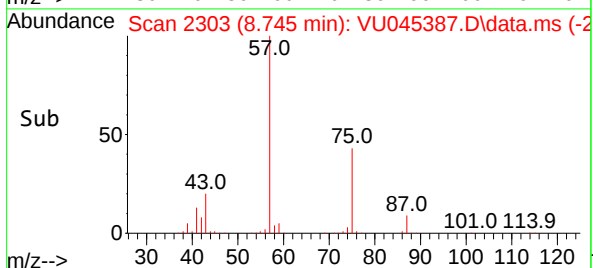
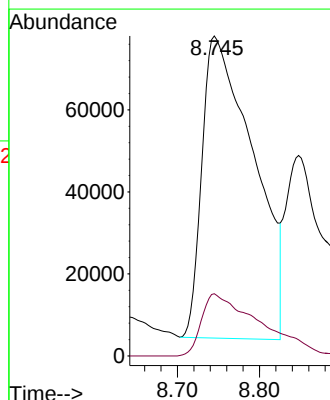
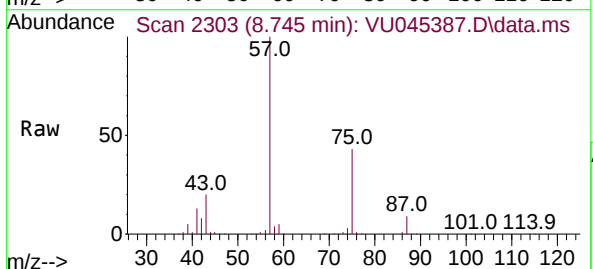
Instrument :
MSVOA_U
ClientSampled :

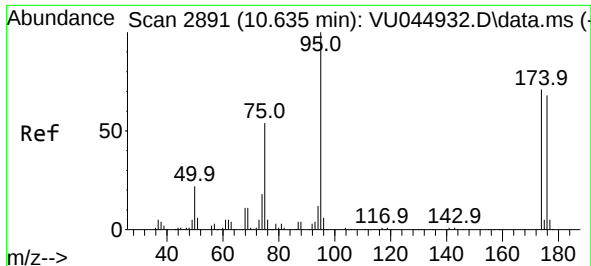
Tgt Ion: 63 Resp: 88
Ion Ratio Lower Upper
63 100
106 0.0 20.5 30.7#



#59
2-Hexanone
Concen: 74.473 ug/l
RT: 8.745 min Scan# 2303
Delta R.T. 0.052 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 43 Resp: 320449
Ion Ratio Lower Upper
43 100
58 23.8 28.0 84.0#

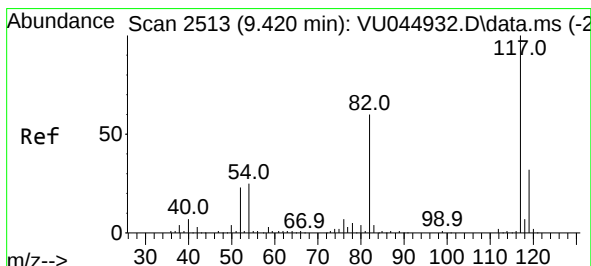
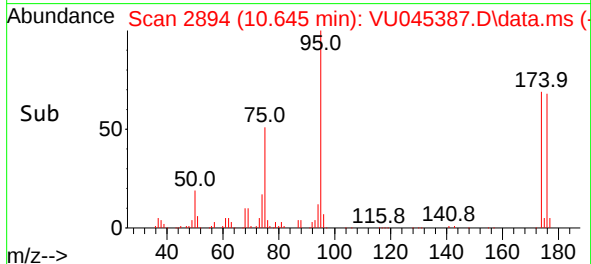
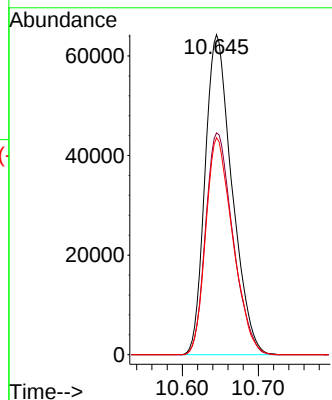
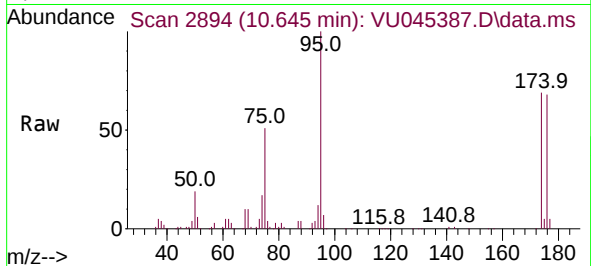




#62
4-Bromofluorobenzene
Concen: 44.088 ug/l
RT: 10.645 min Scan# 2894
Delta R.T. 0.010 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

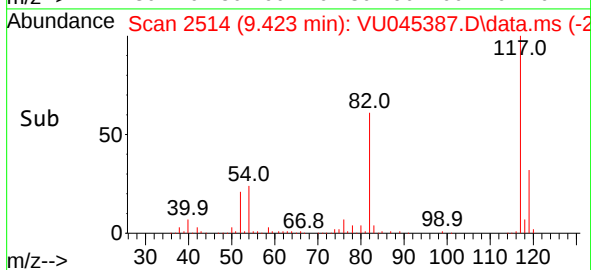
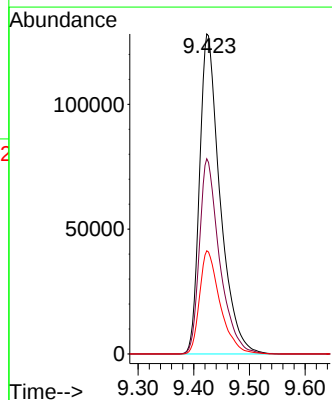
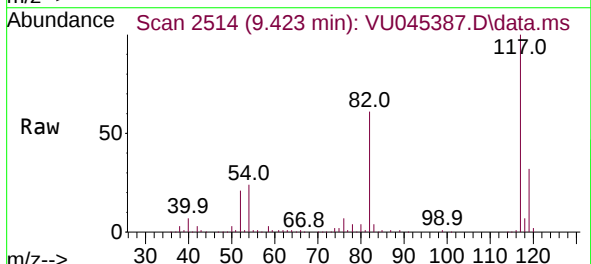
Instrument :
MSVOA_U
ClientSampleId :

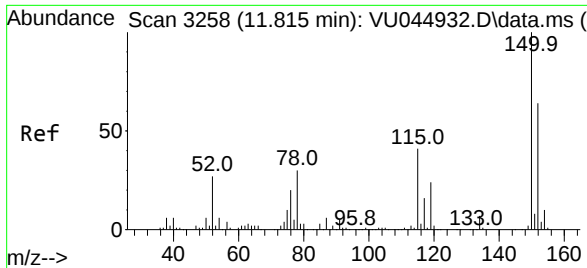
Tgt Ion: 95 Resp: 158186
Ion Ratio Lower Upper
95 100
174 70.3 0.0 146.6
176 68.2 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 117 Resp: 327730
Ion Ratio Lower Upper
117 100
82 61.0 47.8 71.8
119 32.2 25.8 38.6

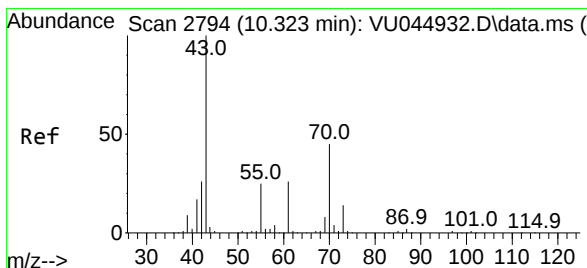
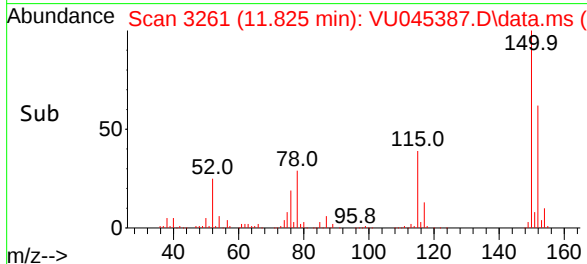
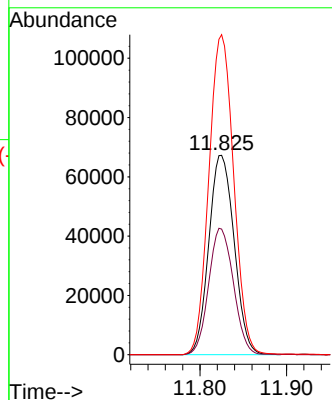
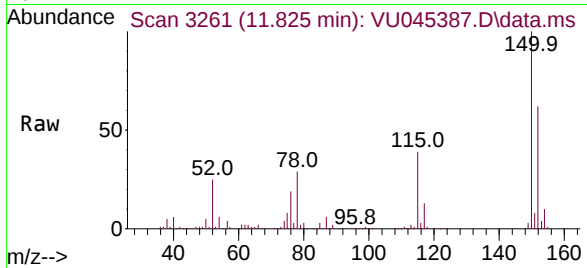




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.825 min Scan# 3261
Delta R.T. 0.010 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

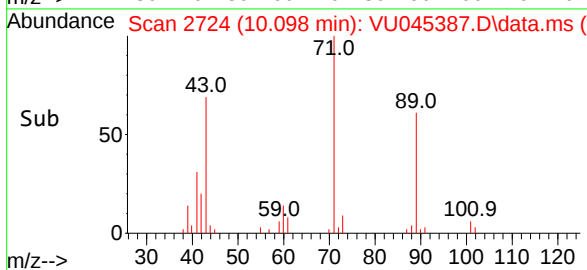
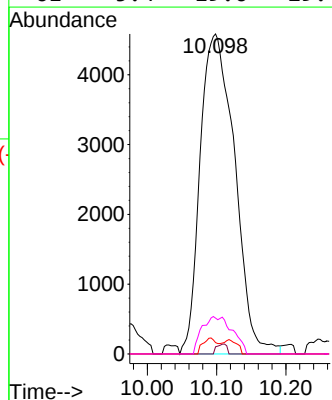
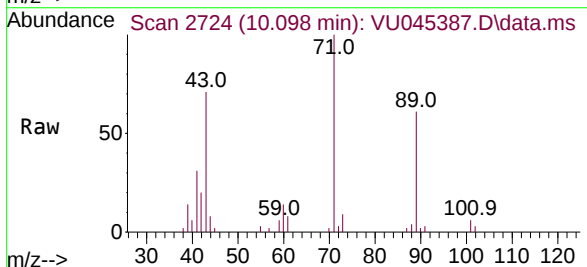
Instrument :
MSVOA_U
ClientSampled :

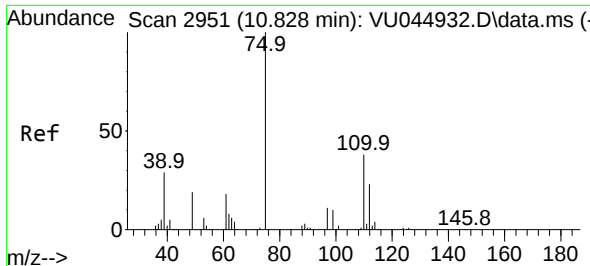
Tgt Ion:152 Resp: 136840
Ion Ratio Lower Upper
152 100
115 61.9 43.5 130.7
150 157.2 0.0 350.0



#74
N-ethyl acetate
Concen: 3.095 ug/l
RT: 10.098 min Scan# 2724
Delta R.T. -0.225 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 43 Resp: 15882
Ion Ratio Lower Upper
43 100
70 0.0 35.1 52.7#
55 1.9 20.5 30.7#
61 5.4 19.6 29.4#

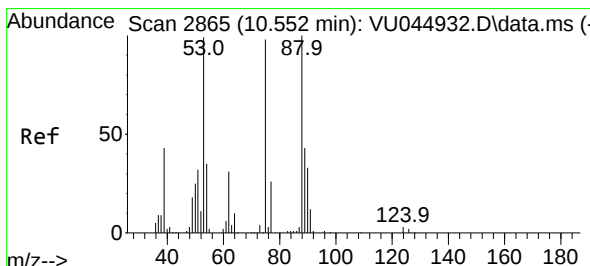
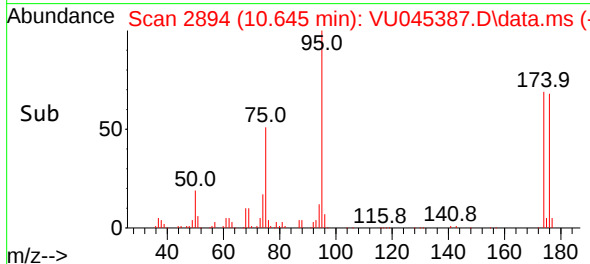
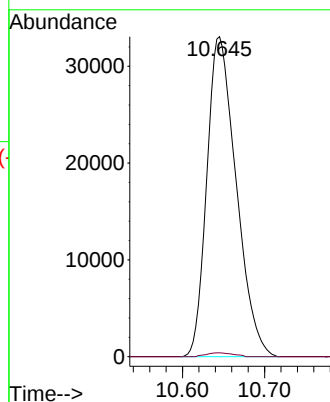
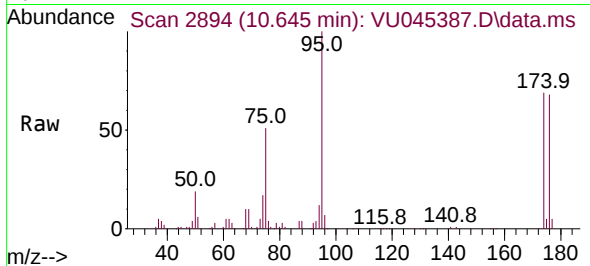




#76
1,2,3-Trichloropropane
Concen: 20.606 ug/l
RT: 10.645 min Scan# 2894
Delta R.T. -0.183 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 82245
Ion Ratio Lower Upper
75 100
77 1.1 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.184 ug/l
RT: 10.645 min Scan# 2894
Delta R.T. 0.093 min
Lab File: VU045387.D
Acq: 25 Oct 2021 16:14

Tgt Ion: 75 Resp: 82245
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

