

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045389.D
 Acq On : 25 Oct 2021 17:28
 Operator : SY/MD
 Sample : M4294-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:44:51 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

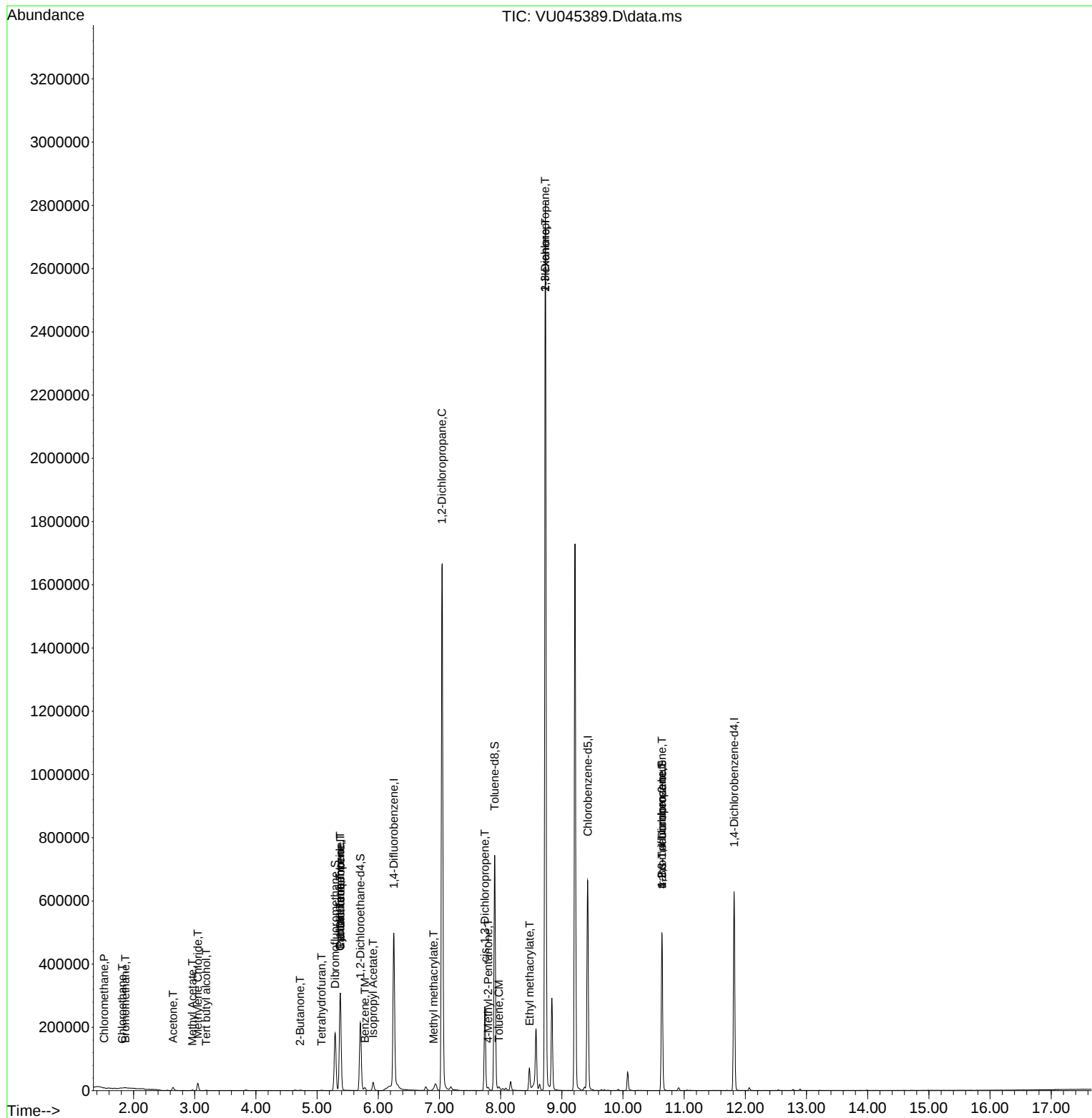
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.379	168	203685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	379070	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.424	117	357420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	154729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	163358	48.180	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.360%
35) Dibromofluoromethane	5.295	113	118025	49.356	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.720%
50) Toluene-d8	7.903	98	484193	51.246	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.500%
62) 4-Bromofluorobenzene	10.636	95	171707	44.018	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.040%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	966	0.296	ug/l	97
5) Bromomethane	1.864	94	447	0.349	ug/l	96
6) Chloroethane	1.816	64	3358	1.340	ug/l #	43
11) Tert butyl alcohol	3.186	59	692	0.711	ug/l #	72
16) Acetone	2.646	43	14056	6.984	ug/l	97
18) Methyl Acetate	2.961	43	2466	0.419	ug/l	97
20) Methylene Chloride	3.051	84	10898	3.595	ug/l	94
25) 2-Butanone	4.720	43	3134	1.096	ug/l	96
29) Tetrahydrofuran	5.073	42	927	0.545	ug/l #	75
31) Cyclohexane	5.376	56	4956	0.962	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	18061	4.556	ug/l #	51
38) Carbon Tetrachloride	5.376	117	20776	6.057	ug/l #	16
40) Benzene	5.781	78	7611	0.645	ug/l	93
43) Isopropyl Acetate	5.916	43	27978	3.546	ug/l	100
45) 1,2-Dichloropropane	7.041	63	1930	0.617	ug/l #	45
48) Methyl methacrylate	6.903	41	8060	2.098	ug/l #	14
51) 4-Methyl-2-Pentanone	7.797	43	6193	1.078	ug/l	92
52) Toluene	7.974	92	2958	0.400	ug/l	92
54) cis-1,3-Dichloropropene	7.742	75	47519	9.744	ug/l #	57
56) Ethyl methacrylate	8.475	69	185	1.851	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	28721	5.227	ug/l #	43
59) 2-Hexanone	8.732	43	387942	82.927	ug/l #	49
76) 1,2,3-Trichloropropane	10.636	75	90055	19.954	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	90055	55.375	ug/l #	9

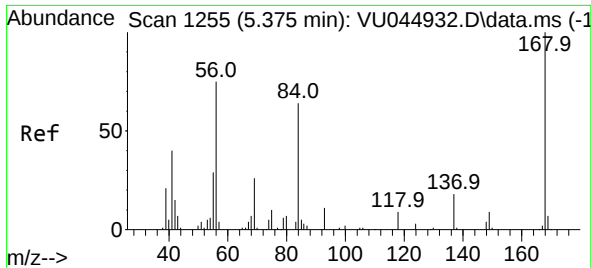
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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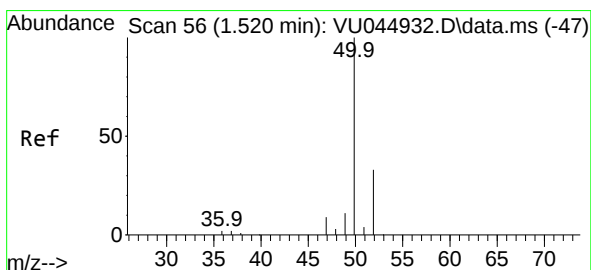
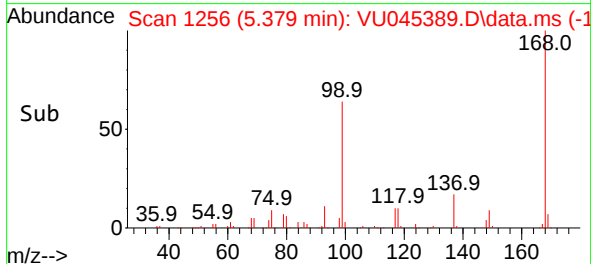
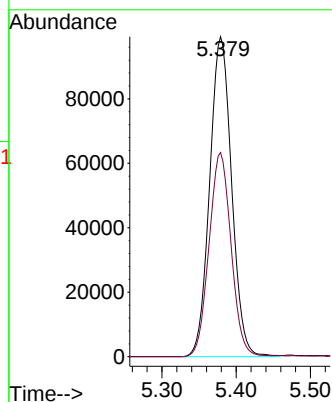
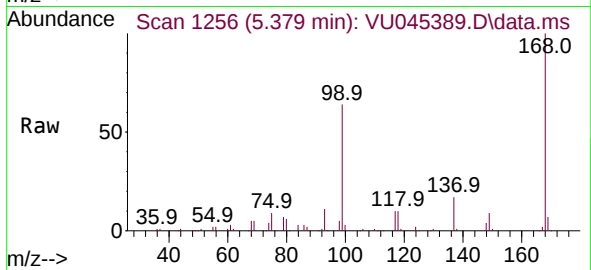




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.004 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

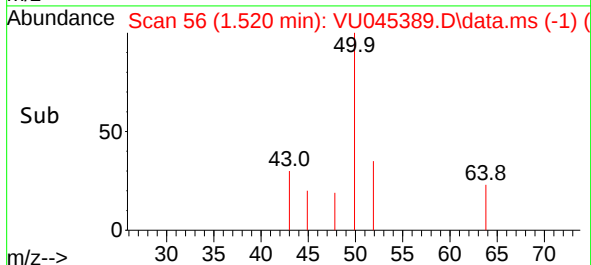
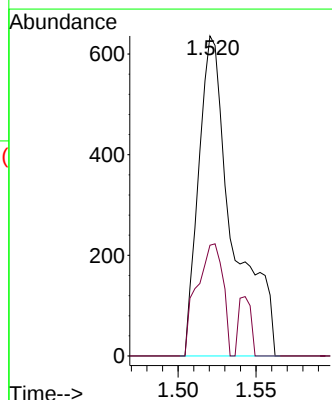
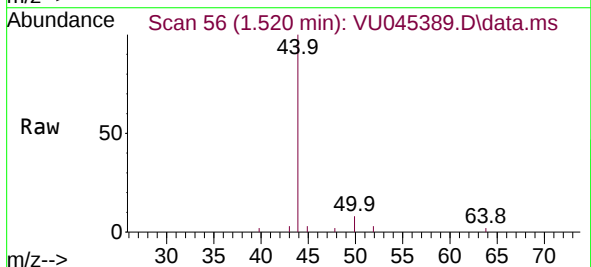
Instrument :
MSVOA_U
ClientSampled :

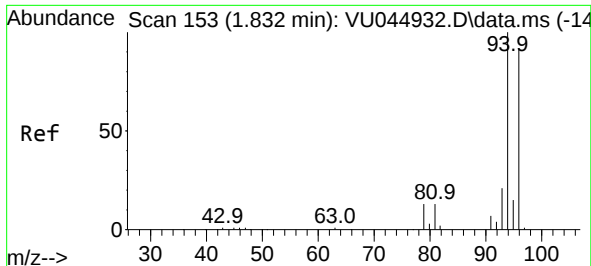
Tgt Ion:168 Resp: 203685
Ion Ratio Lower Upper
168 100
99 63.8 51.4 77.0



#3
Chloromethane
Concen: 0.296 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Tgt Ion: 50 Resp: 966
Ion Ratio Lower Upper
50 100
52 34.6 26.3 39.5

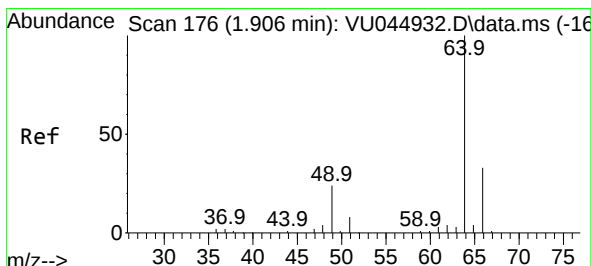
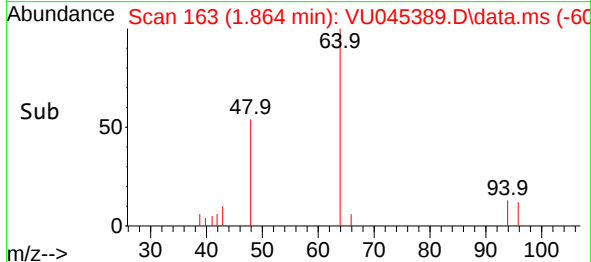
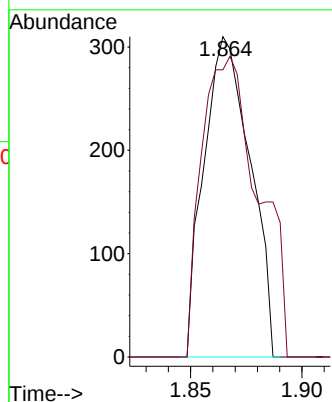
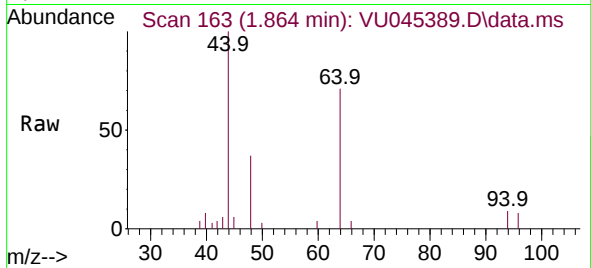




#5
Bromomethane
Concen: 0.349 ug/l
RT: 1.864 min Scan# 163
Delta R.T. 0.032 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

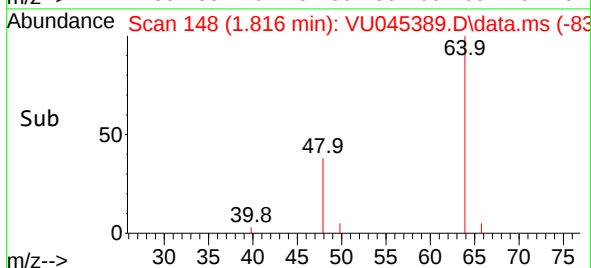
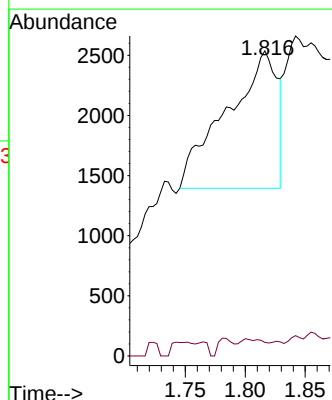
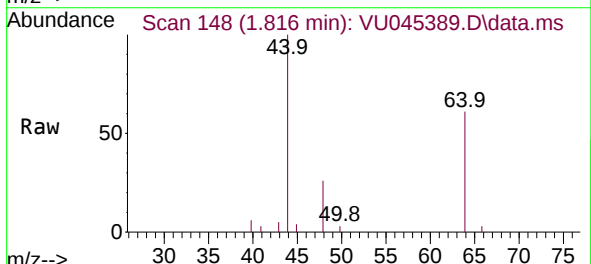
Instrument :
MSVOA_U
ClientSampled :

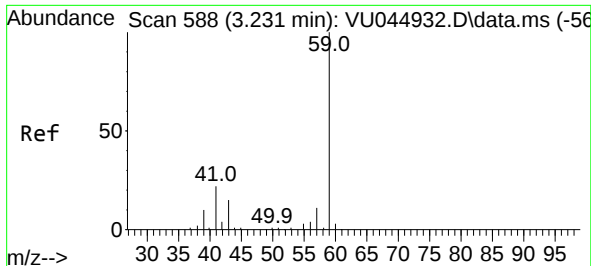
Tgt Ion: 94 Resp: 447
Ion Ratio Lower Upper
94 100
96 89.7 74.5 111.7



#6
Chloroethane
Concen: 1.340 ug/l
RT: 1.816 min Scan# 148
Delta R.T. -0.090 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Tgt Ion: 64 Resp: 3358
Ion Ratio Lower Upper
64 100
66 0.2 25.8 38.8#



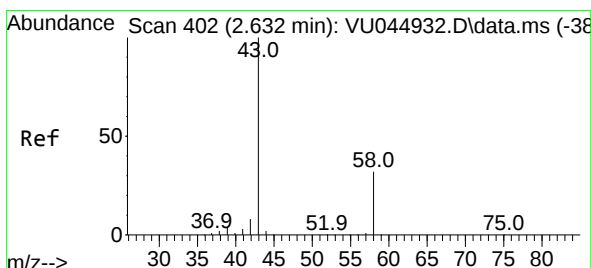
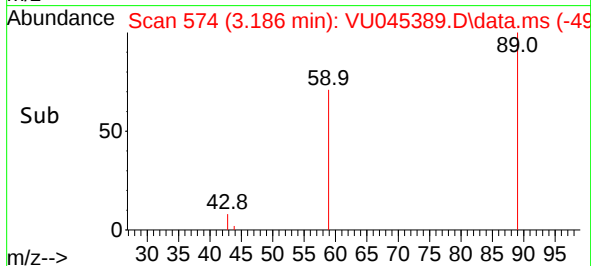
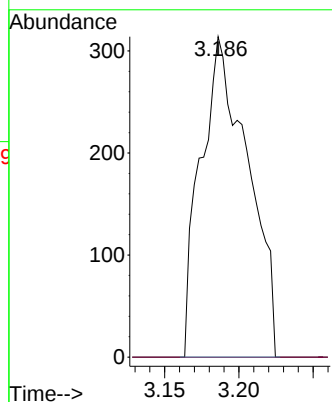
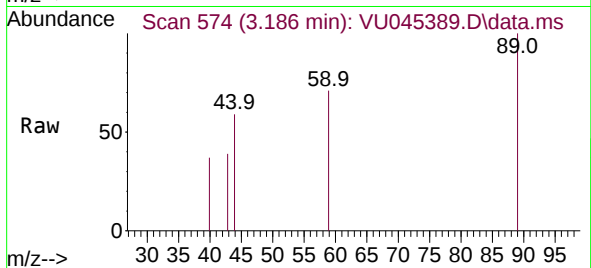


#11

Tert butyl alcohol
Concen: 0.711 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.045 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Instrument :
MSVOA_U
ClientSampled :

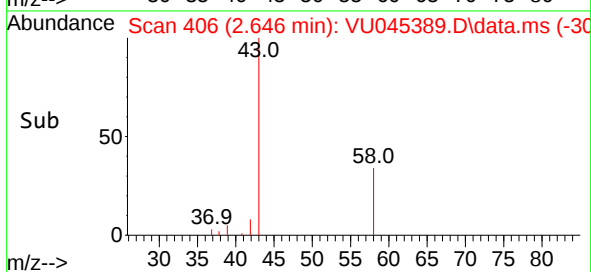
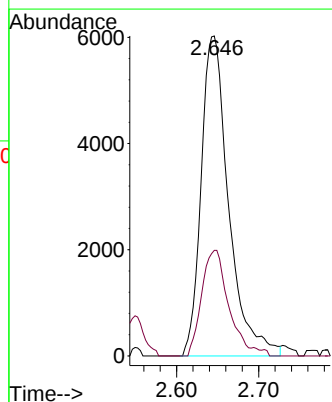
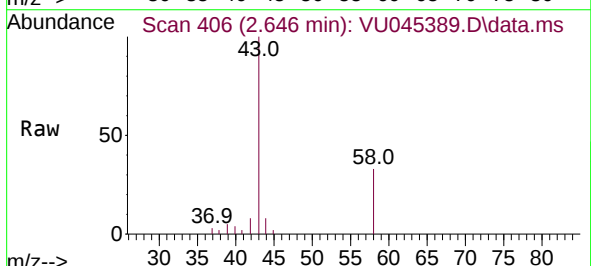
Tgt Ion: 59 Resp: 692
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

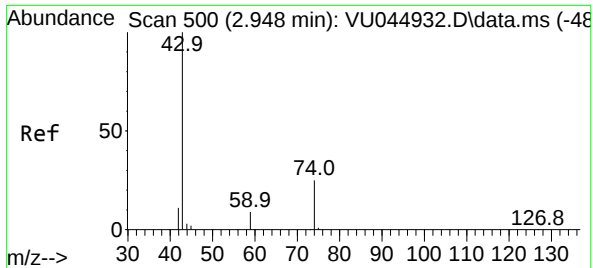


#16

Acetone
Concen: 6.984 ug/l
RT: 2.646 min Scan# 406
Delta R.T. 0.014 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Tgt Ion: 43 Resp: 14056
Ion Ratio Lower Upper
43 100
58 33.0 25.2 37.8

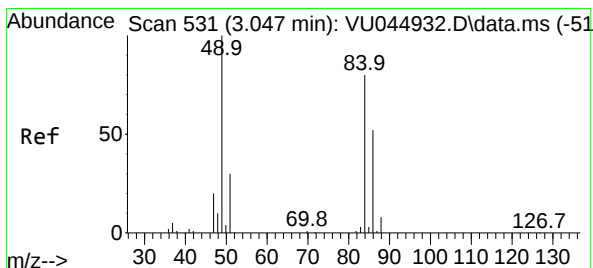
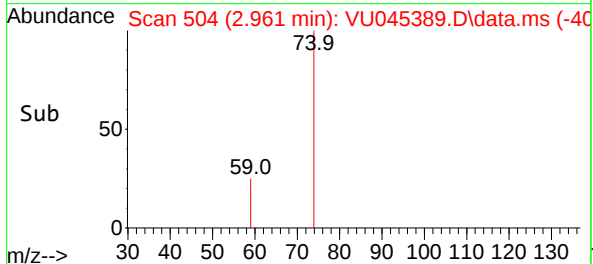
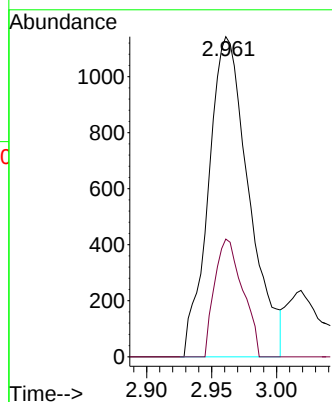
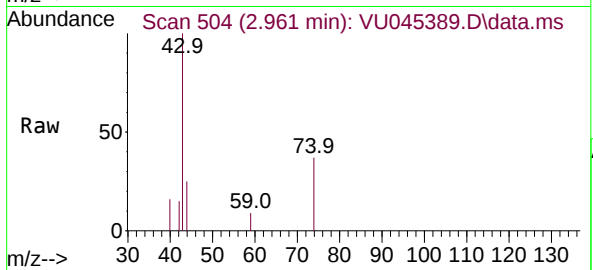




#18
Methyl Acetate
Concen: 0.419 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.013 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

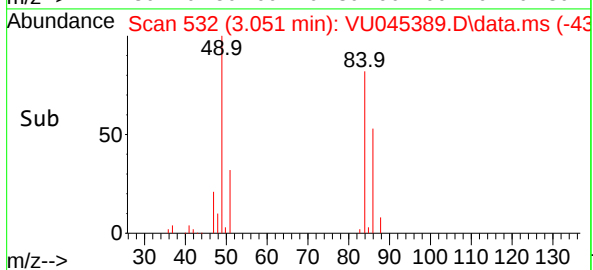
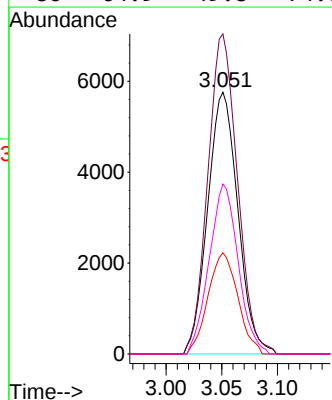
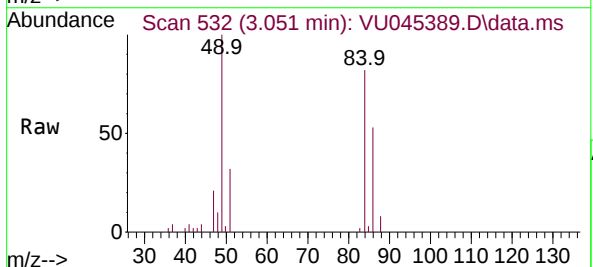
Instrument :
MSVOA_U
ClientSampled :

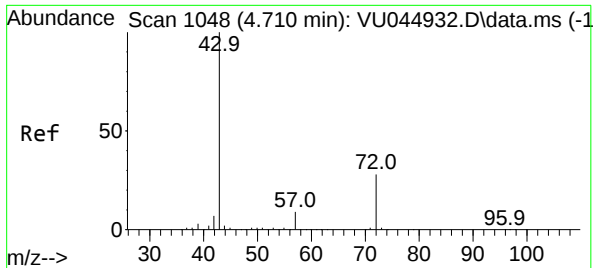
Tgt Ion: 43 Resp: 2466
Ion Ratio Lower Upper
43 100
74 25.5 19.0 28.6



#20
Methylene Chloride
Concen: 3.595 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.004 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Tgt Ion: 84 Resp: 10898
Ion Ratio Lower Upper
84 100
49 122.2 104.9 157.3
51 38.6 31.8 47.8
86 64.9 49.8 74.6

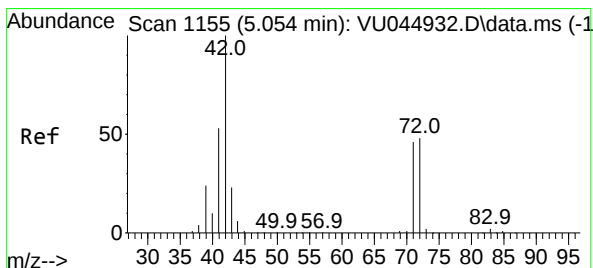
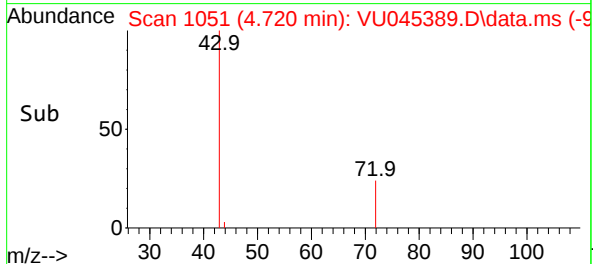
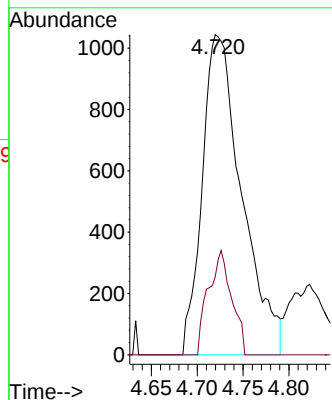
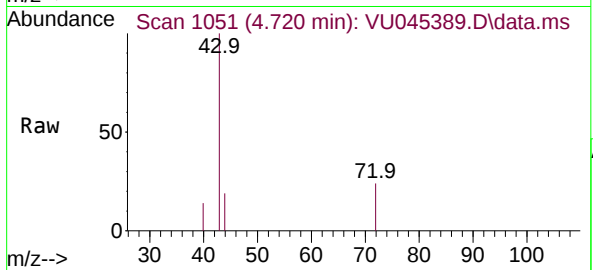




#25
2-Butanone
Concen: 1.096 ug/l
RT: 4.720 min Scan# 1051
Delta R.T. 0.010 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

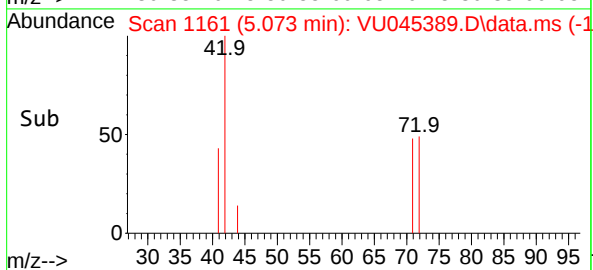
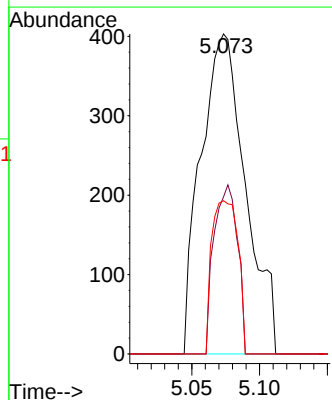
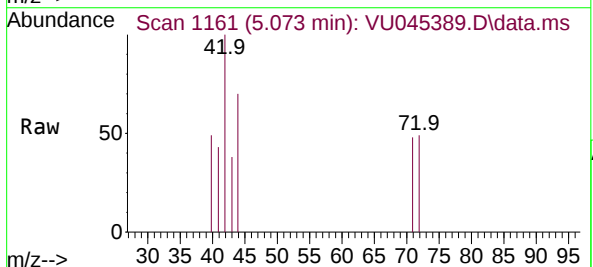
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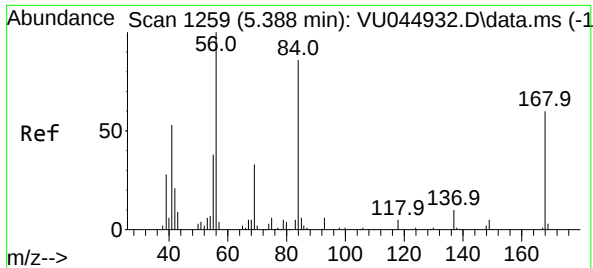
Tgt Ion: 43 Resp: 3134
Ion Ratio Lower Upper
43 100
72 24.4 21.3 31.9



#29
Tetrahydrofuran
Concen: 0.545 ug/l
RT: 5.073 min Scan# 1161
Delta R.T. 0.019 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Tgt Ion: 42 Resp: 927
Ion Ratio Lower Upper
42 100
72 27.6 36.2 54.4#
71 27.8 34.1 51.1#

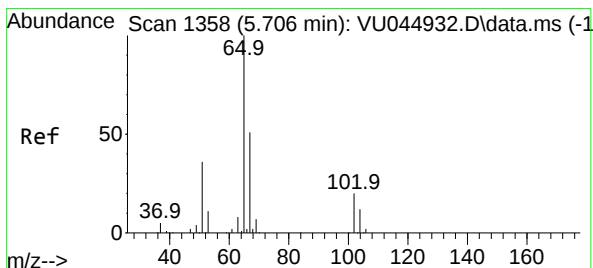
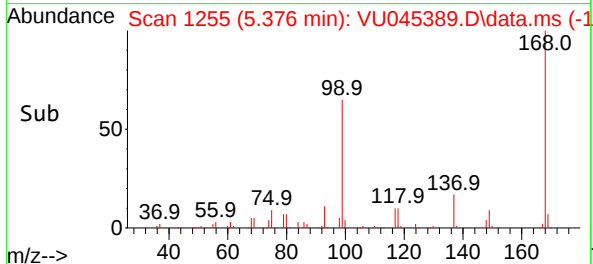
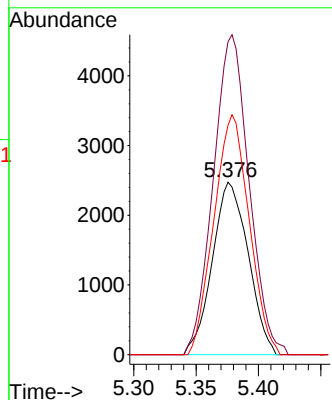
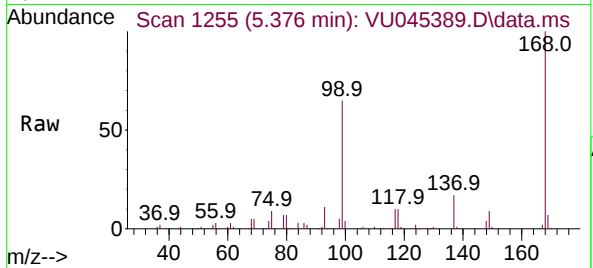




#31
Cyclohexane
Concen: 0.962 ug/l
RT: 5.376 min Scan# 1255
Delta R.T. -0.012 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

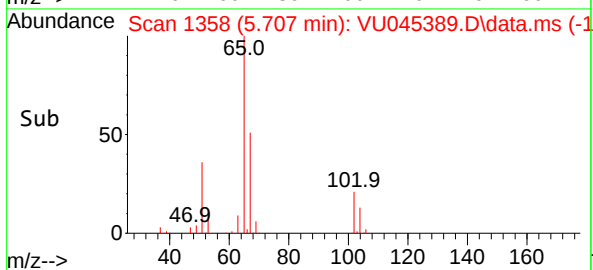
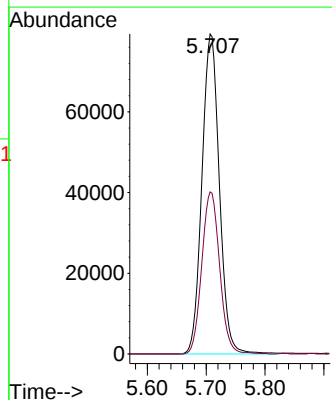
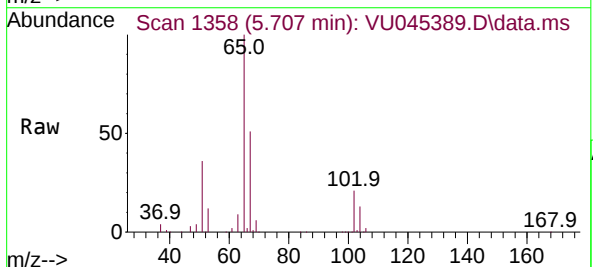
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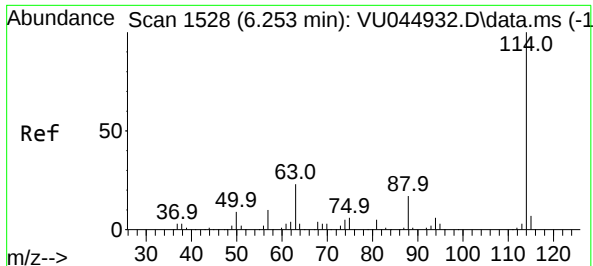
Tgt Ion: 56 Resp: 4956
Ion Ratio Lower Upper
56 100
69 181.4 25.2 37.8#
84 133.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.180 ug/l
RT: 5.707 min Scan# 1358
Delta R.T. 0.001 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Tgt Ion: 65 Resp: 163358
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045389.D

Acq: 25 Oct 2021 17:28

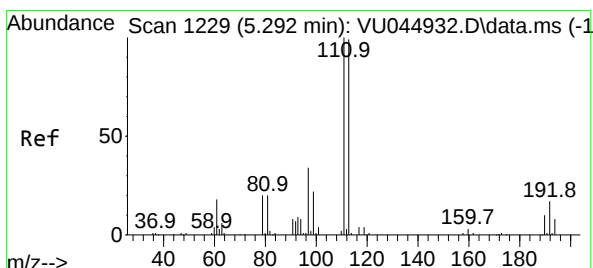
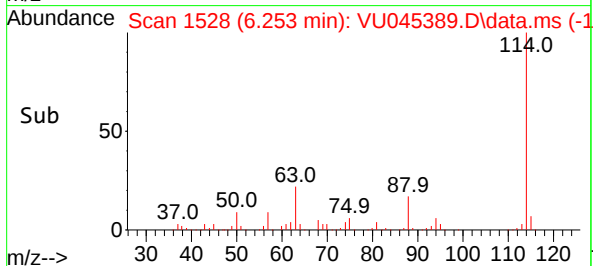
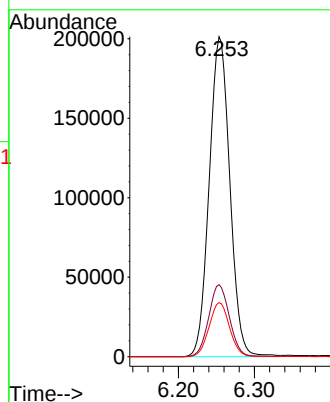
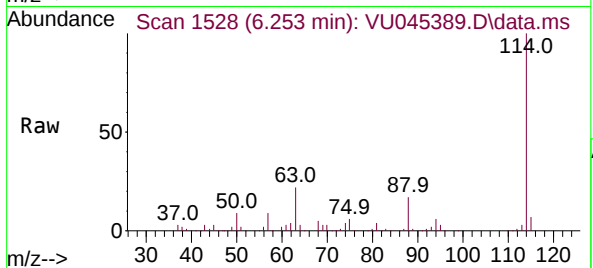
Tgt Ion:114 Resp: 379070

Ion Ratio Lower Upper

114 100

63 22.5 0.0 47.8

88 16.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.356 ug/l

RT: 5.295 min Scan# 1230

Delta R.T. 0.003 min

Lab File: VU045389.D

Acq: 25 Oct 2021 17:28

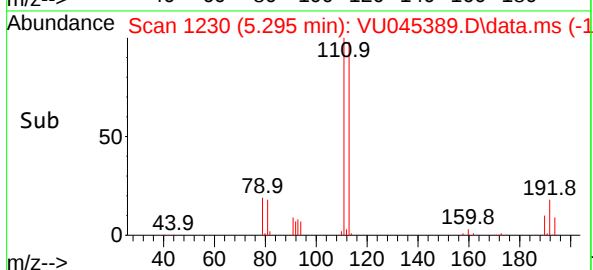
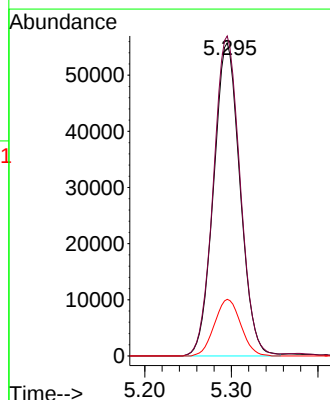
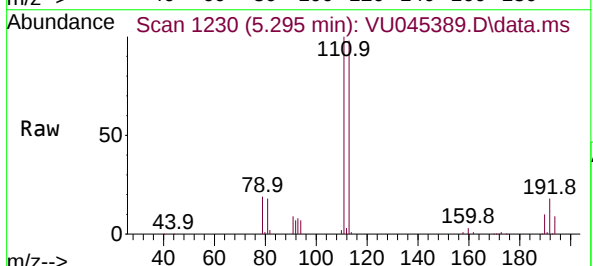
Tgt Ion:113 Resp: 118025

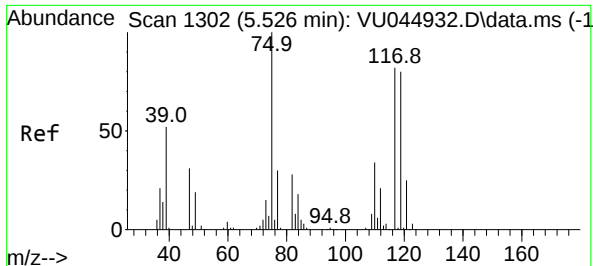
Ion Ratio Lower Upper

113 100

111 103.3 84.1 126.1

192 18.0 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.556 ug/l

RT: 5.379 min Scan# 1256

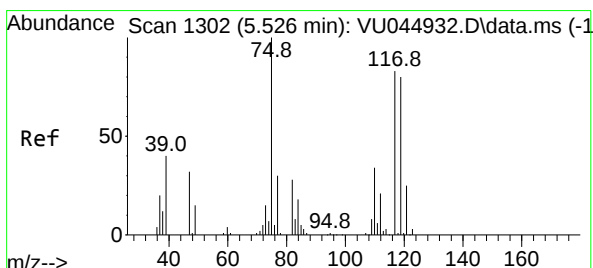
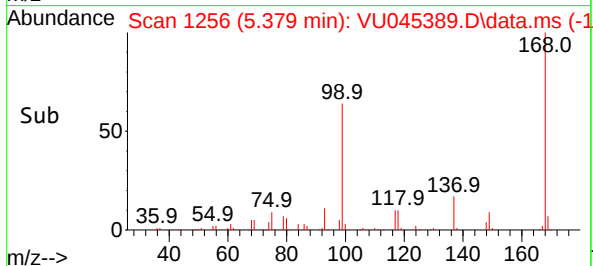
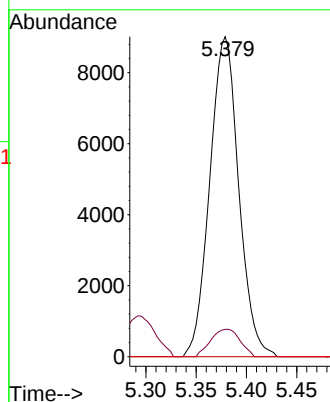
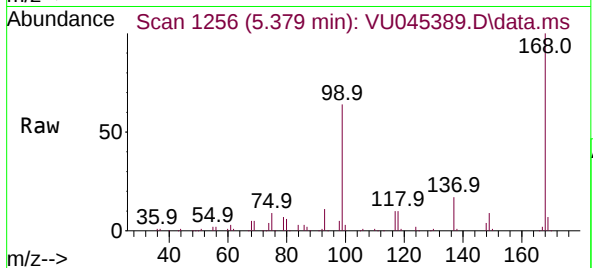
Delta R.T. -0.147 min

Lab File: VU045389.D

Acq: 25 Oct 2021 17:28

Tgt Ion:	75	Resp:	18061
Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.3	48.9#
77	0.0	25.0	37.4#

Instrument :
MSVOA_U
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.057 ug/l

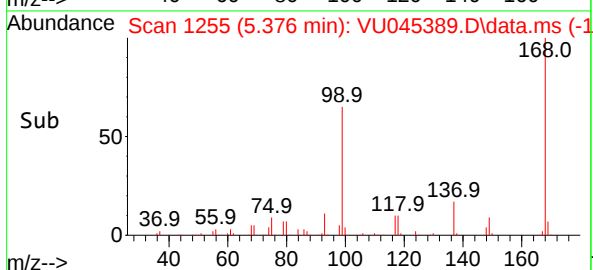
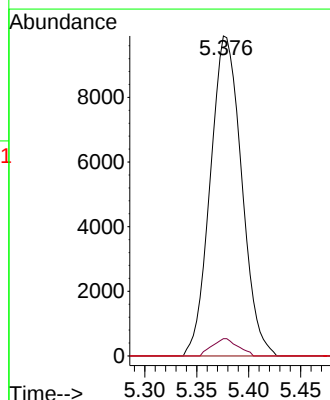
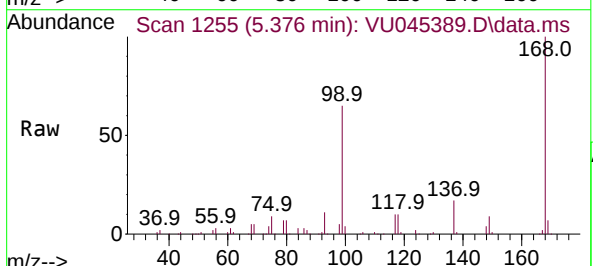
RT: 5.376 min Scan# 1255

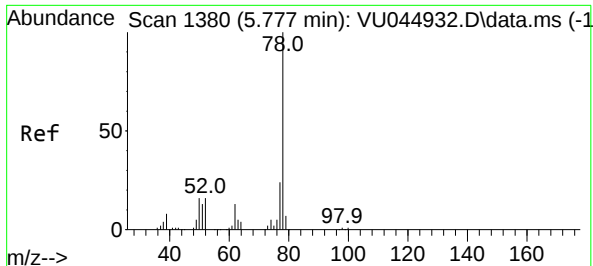
Delta R.T. -0.150 min

Lab File: VU045389.D

Acq: 25 Oct 2021 17:28

Tgt Ion:	117	Resp:	20776
Ion	Ratio	Lower	Upper
117	100		
119	5.4	77.4	116.2#
121	0.0	24.5	36.7#

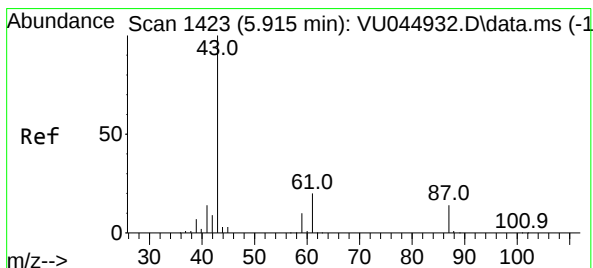
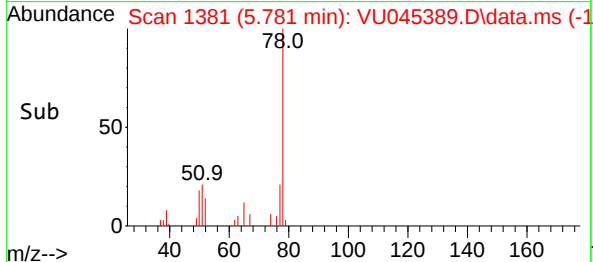
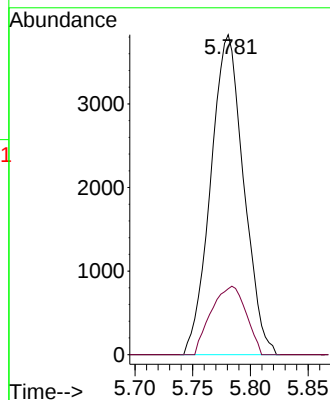
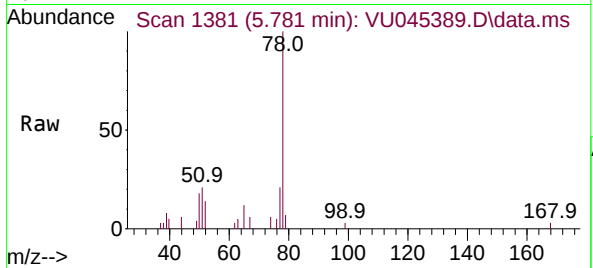




#40
Benzene
Concen: 0.645 ug/l
RT: 5.781 min Scan# 1381
Delta R.T. 0.004 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

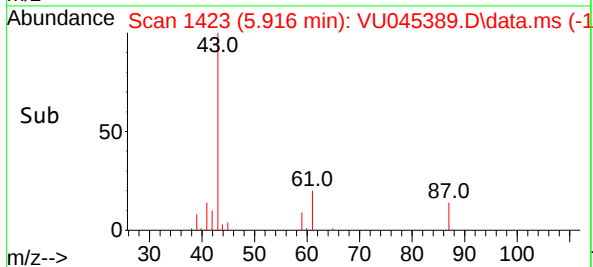
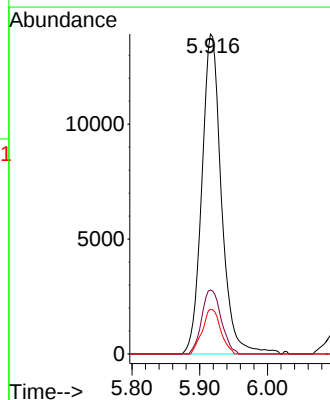
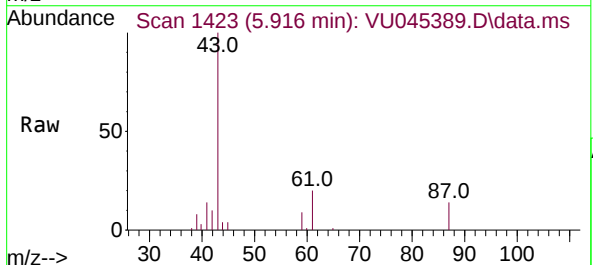
Instrument :
MSVOA_U
ClientSampled :

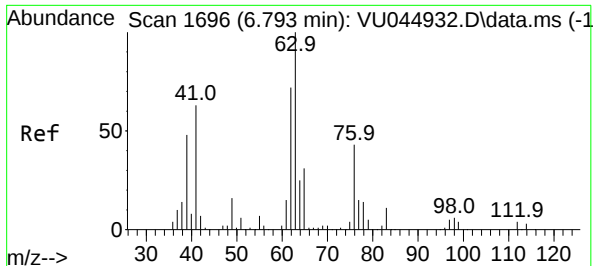
Tgt Ion: 78 Resp: 7611
Ion Ratio Lower Upper
78 100
77 20.6 19.1 28.7



#43
Isopropyl Acetate
Concen: 3.546 ug/l
RT: 5.916 min Scan# 1423
Delta R.T. 0.001 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Tgt Ion: 43 Resp: 27978
Ion Ratio Lower Upper
43 100
61 19.8 16.1 24.1
87 13.0 10.3 15.5

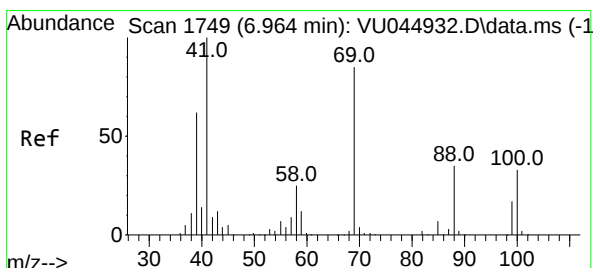
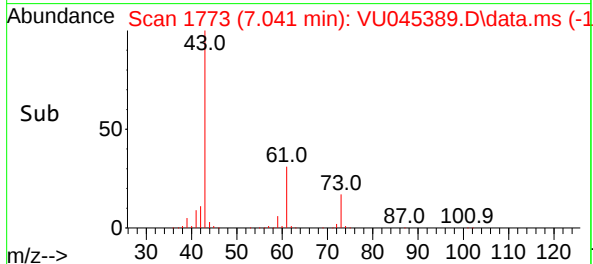
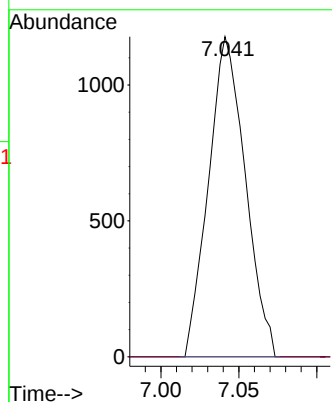
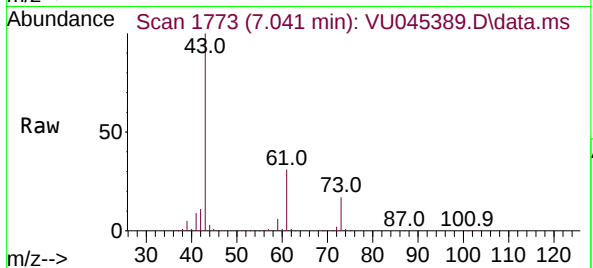




#45
1,2-Dichloropropane
Concen: 0.617 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

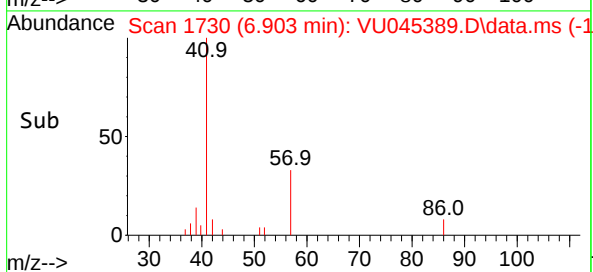
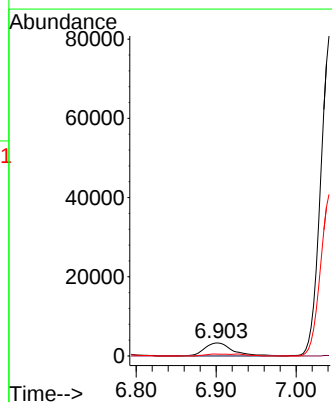
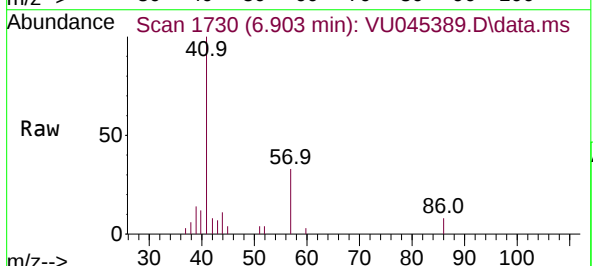
Instrument :
MSVOA_U
ClientSampled :

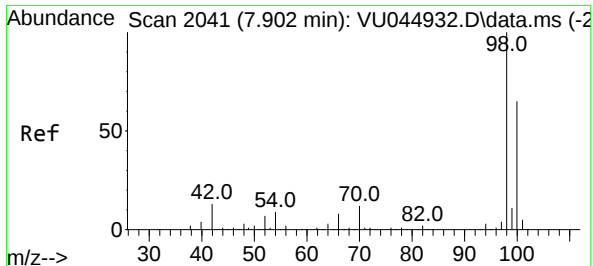
Tgt Ion: 63 Resp: 1930
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 2.098 ug/l
RT: 6.903 min Scan# 1730
Delta R.T. -0.061 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Tgt Ion: 41 Resp: 8060
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 0.0 46.2 69.4#

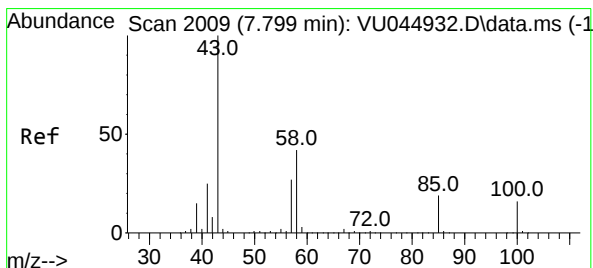
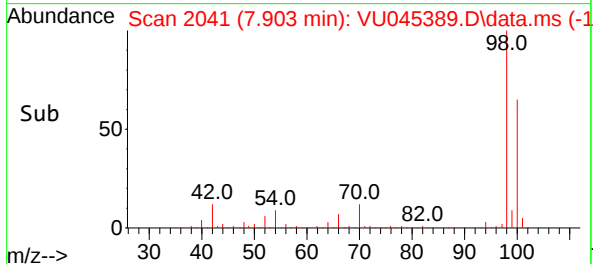
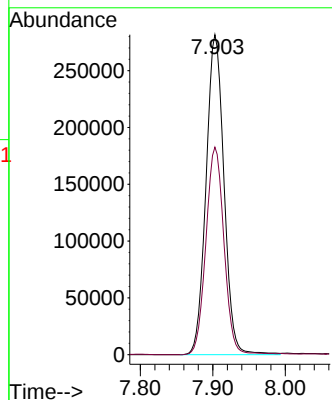
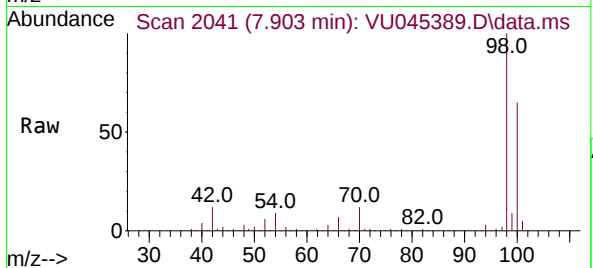




#50
Toluene-d8
Concen: 51.246 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

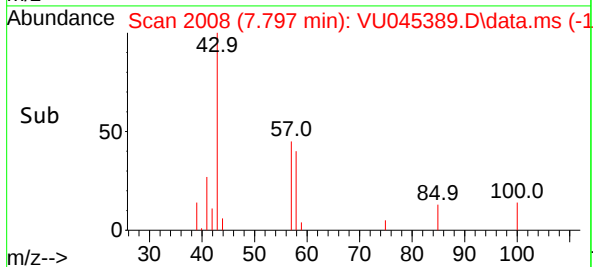
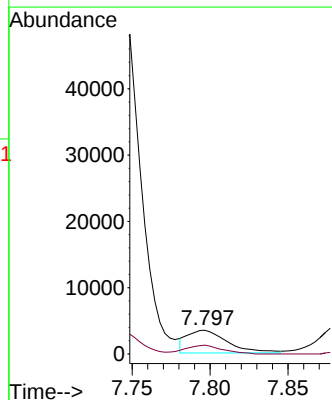
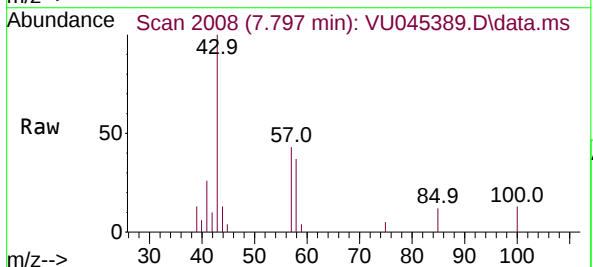
Instrument :
MSVOA_U
ClientSampled :

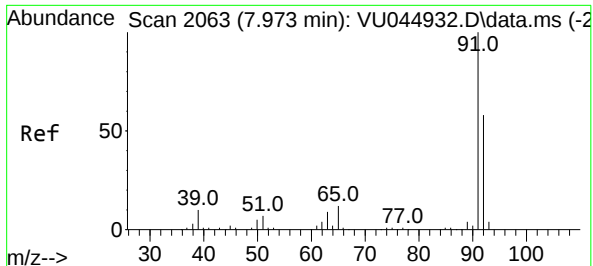
Tgt Ion: 98 Resp: 484193
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.078 ug/l
RT: 7.797 min Scan# 2008
Delta R.T. -0.002 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Tgt Ion: 43 Resp: 6193
Ion Ratio Lower Upper
43 100
58 35.8 32.4 48.6

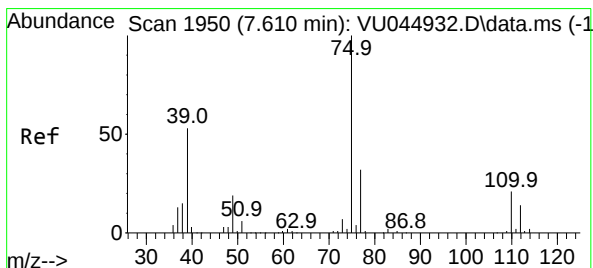
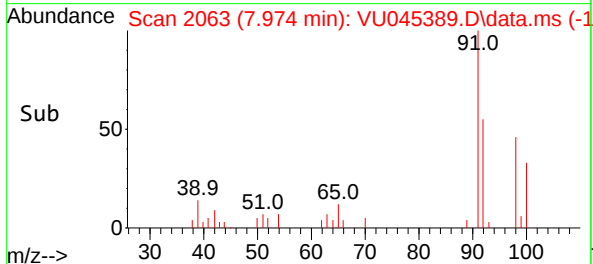
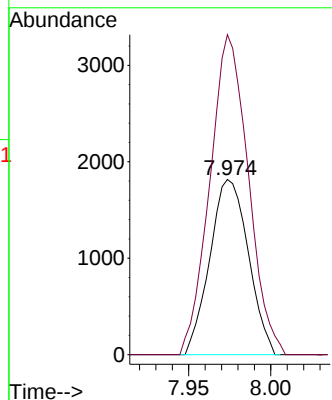
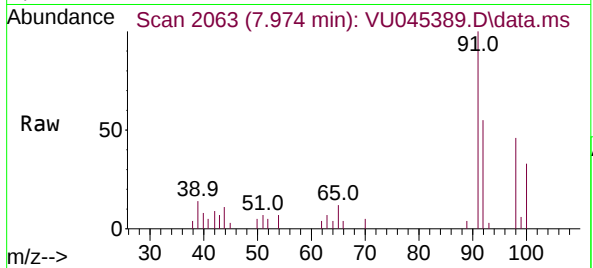




#52
Toluene
Concen: 0.400 ug/l
RT: 7.974 min Scan# 2063
Delta R.T. 0.001 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

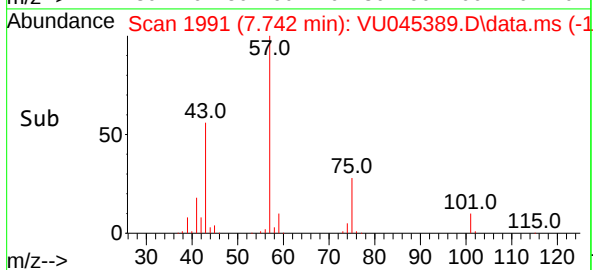
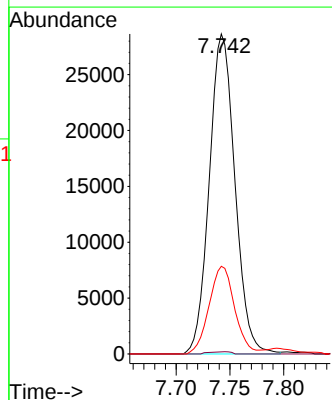
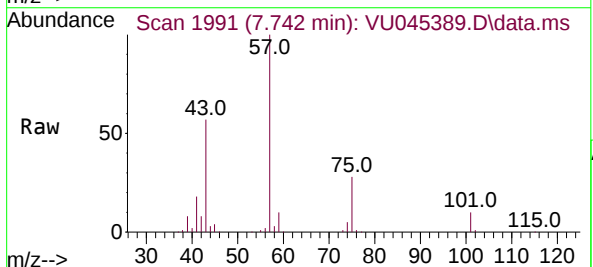
Instrument :
MSVOA_U
ClientSampled :

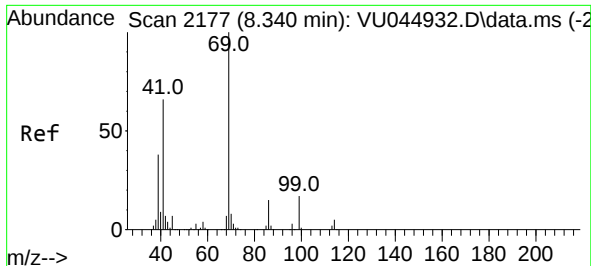
Tgt Ion: 92 Resp: 2958
Ion Ratio Lower Upper
92 100
91 182.2 136.9 205.3



#54
cis-1,3-Dichloropropene
Concen: 9.744 ug/l
RT: 7.742 min Scan# 1991
Delta R.T. 0.132 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Tgt Ion: 75 Resp: 47519
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.6#
39 27.4 41.4 62.2#

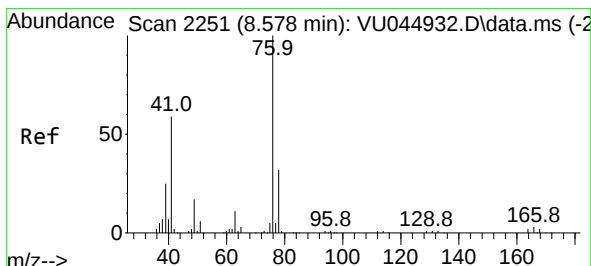
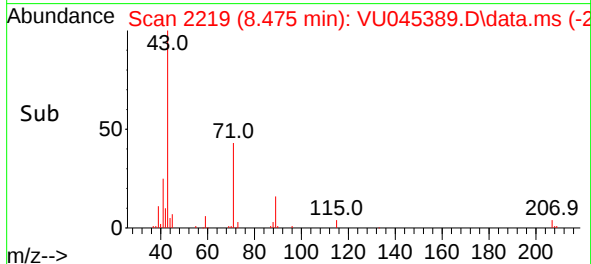
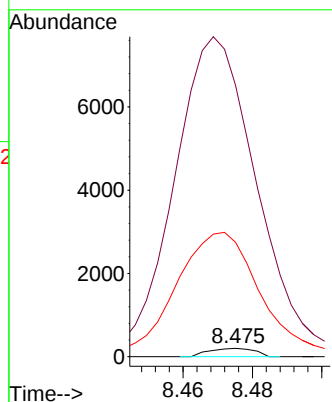
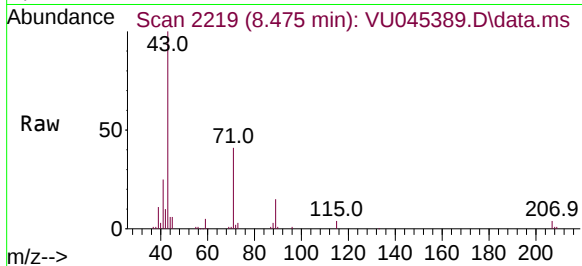




#56
Ethyl methacrylate
Concen: 1.851 ug/l
RT: 8.475 min Scan# 2219
Delta R.T. 0.135 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

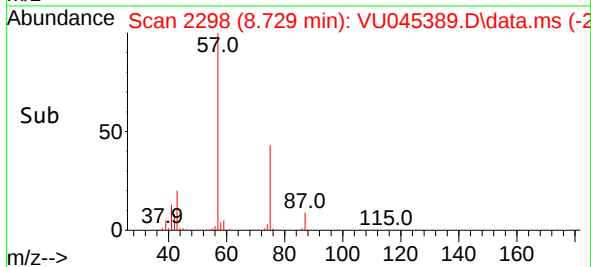
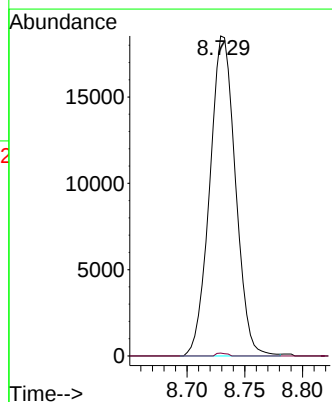
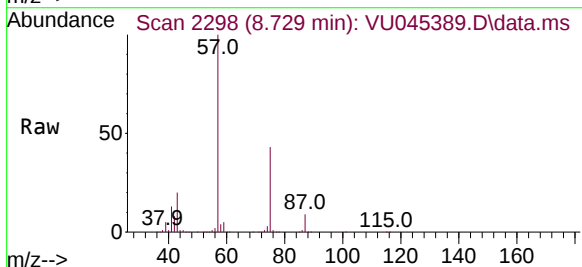
Instrument :
MSVOA_U
ClientSampled :

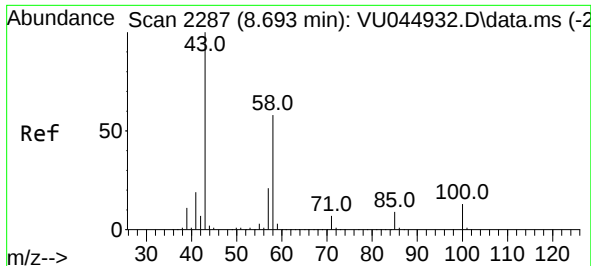
Tgt Ion: 69 Resp: 185
Ion Ratio Lower Upper
69 100
41 7002.2 53.5 80.3#
39 2822.7 31.1 46.7#



#57
1,3-Dichloropropane
Concen: 5.227 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Tgt Ion: 76 Resp: 28721
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

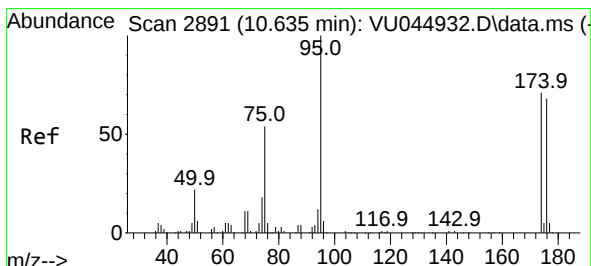
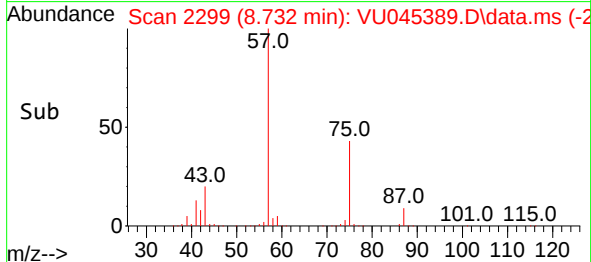
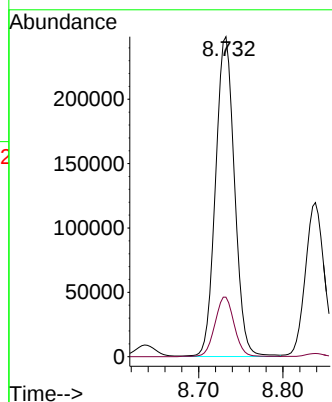
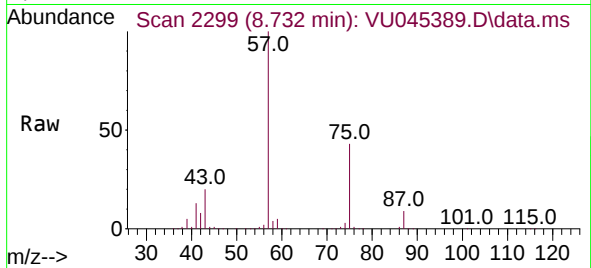




#59
2-Hexanone
Concen: 82.927 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.039 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

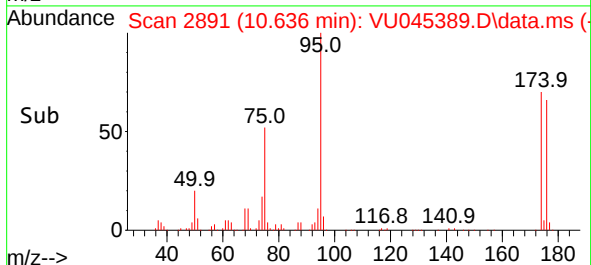
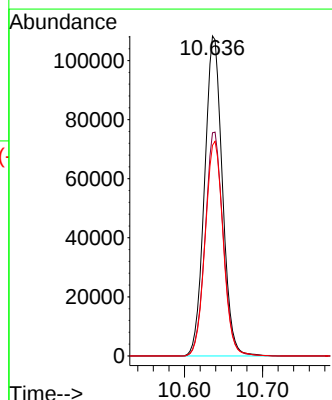
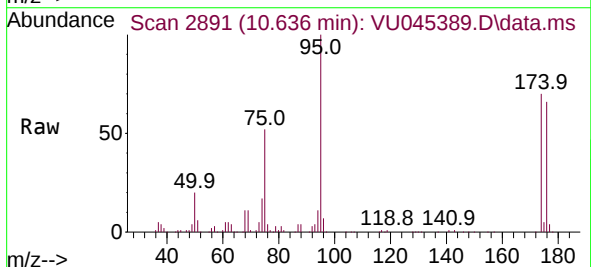
Instrument :
MSVOA_U
ClientSampled :

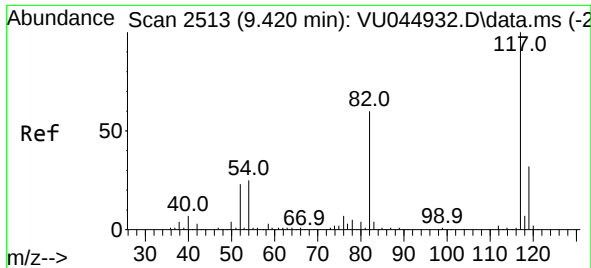
Tgt Ion: 43 Resp: 387942
Ion Ratio Lower Upper
43 100
58 19.1 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 44.018 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Tgt Ion: 95 Resp: 171707
Ion Ratio Lower Upper
95 100
174 70.6 0.0 146.6
176 68.0 0.0 141.2

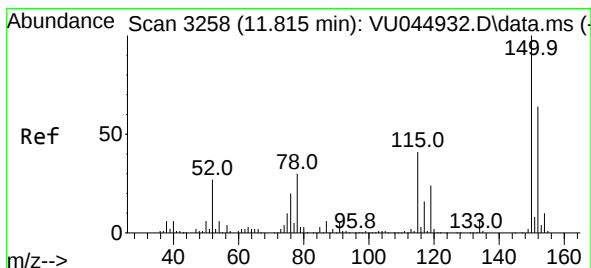
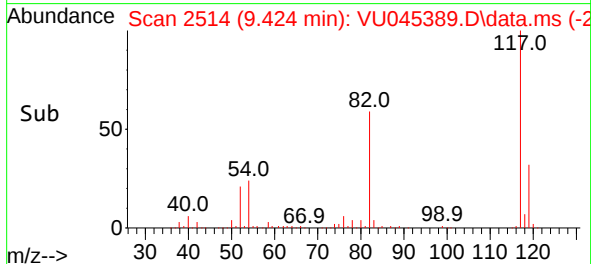
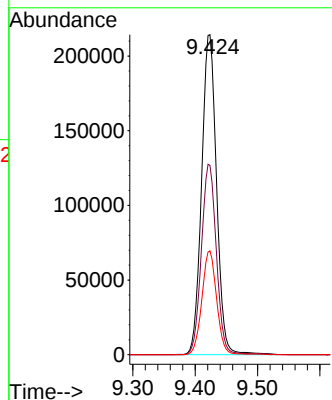
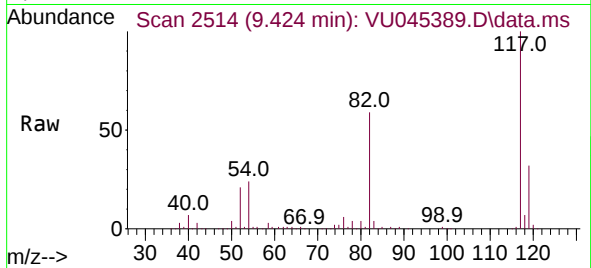




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.424 min Scan# 2514
Delta R.T. 0.004 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

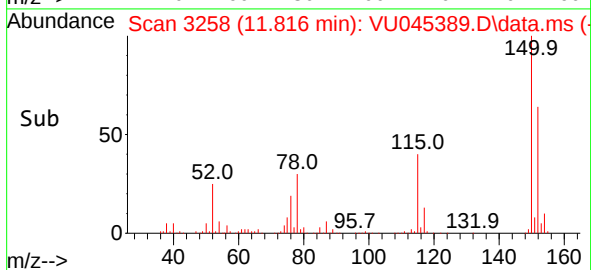
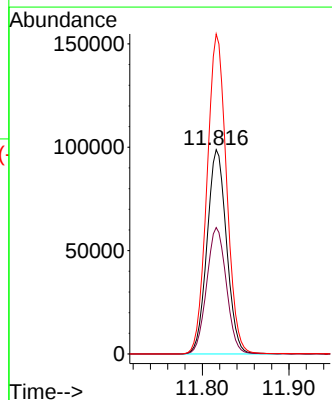
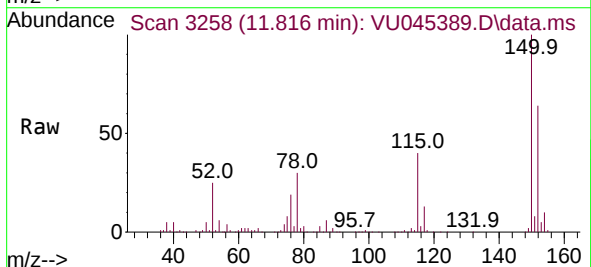
Instrument :
MSVOA_U
ClientSampled :

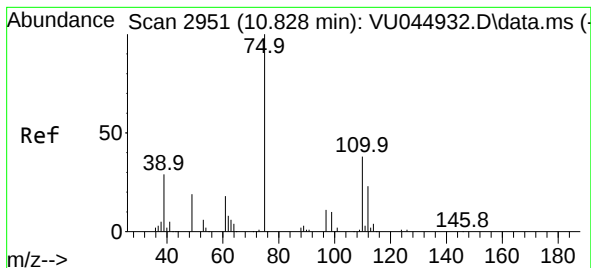
Tgt Ion:117 Resp: 357420
Ion Ratio Lower Upper
117 100
82 59.1 47.8 71.8
119 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU045389.D
Acq: 25 Oct 2021 17:28

Tgt Ion:152 Resp: 154729
Ion Ratio Lower Upper
152 100
115 62.5 43.5 130.7
150 156.5 0.0 350.0





#76

1,2,3-Trichloropropane

Concen: 19.954 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. -0.192 min

Lab File: VU045389.D

Acq: 25 Oct 2021 17:28

Tgt Ion: 75 Resp: 90055

Ion Ratio Lower Upper

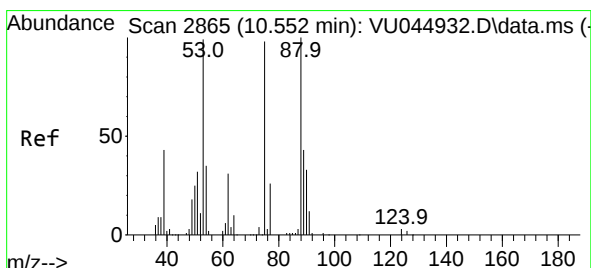
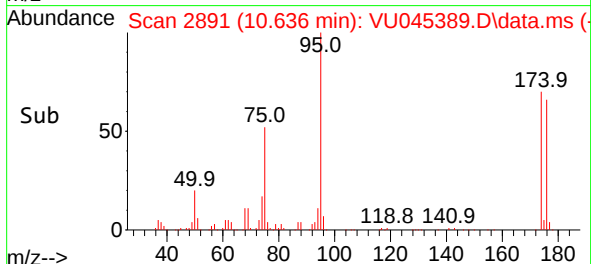
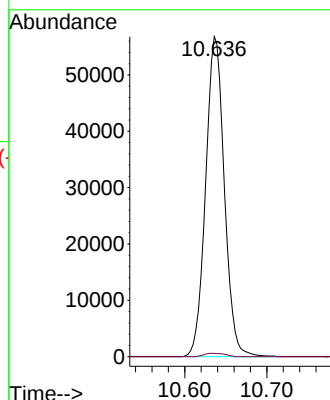
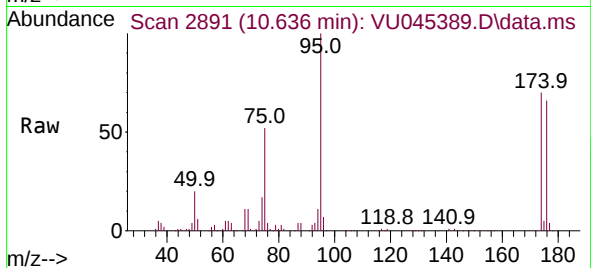
75 100

77 1.2 17.9 53.7#

Instrument :

MSVOA_U

ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 55.375 ug/l

RT: 10.636 min Scan# 2891

Delta R.T. 0.084 min

Lab File: VU045389.D

Acq: 25 Oct 2021 17:28

Tgt Ion: 75 Resp: 90055

Ion Ratio Lower Upper

75 100

53 0.0 82.0 123.0#

89 0.0 34.2 51.4#

