

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045382.D
 Acq On : 25 Oct 2021 14:16
 Operator : SY/MD
 Sample : M4290-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:42:24 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

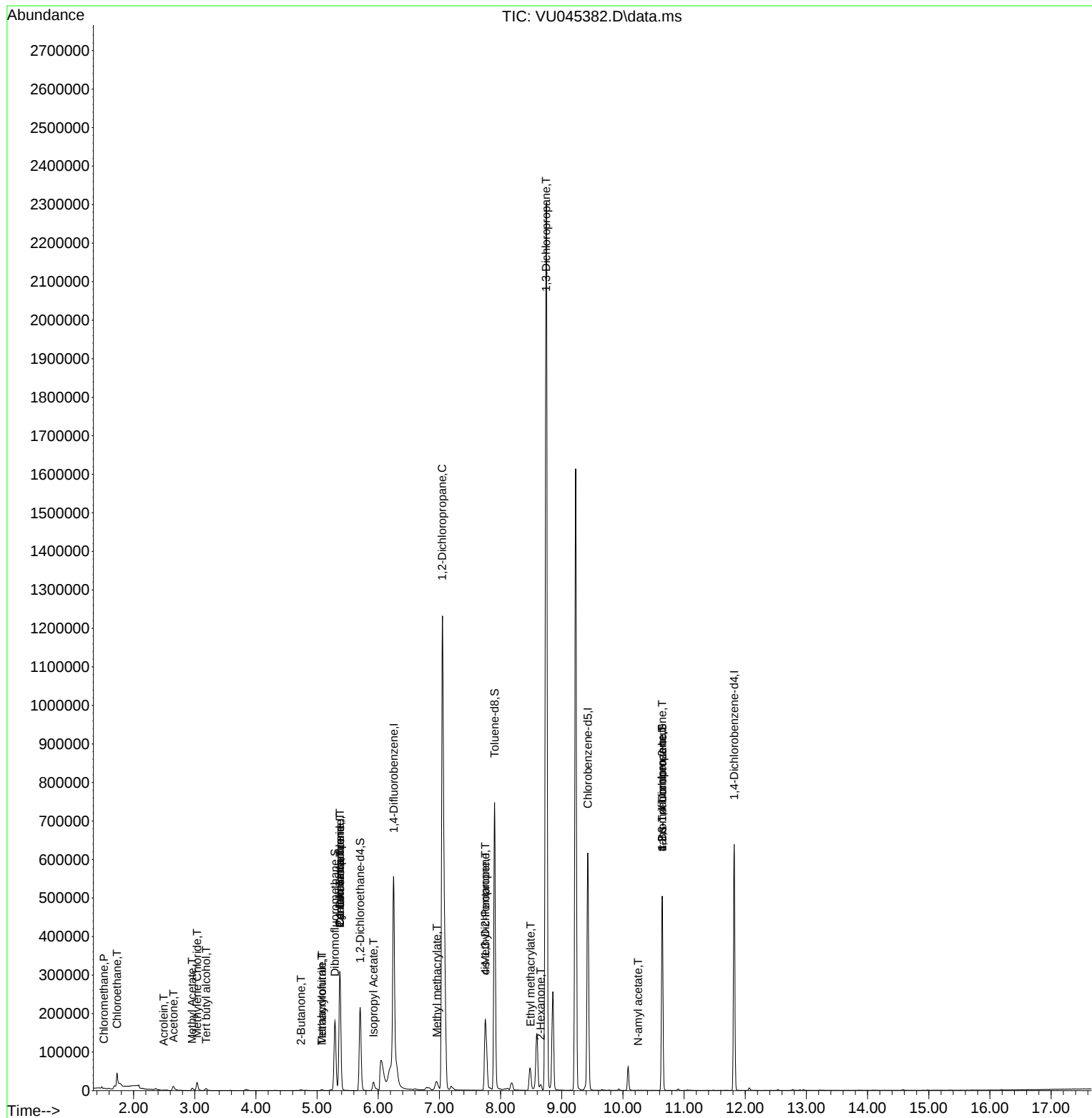
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.375	168	214358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	407196	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.426	117	375009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	154804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	172155	48.246	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.500%
35) Dibromofluoromethane	5.292	113	125836	48.988	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.980%
50) Toluene-d8	7.902	98	509791	50.228	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.460%
62) 4-Bromofluorobenzene	10.642	95	178896	42.693	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.380%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1105	0.321	ug/l #	84
6) Chloroethane	1.729	64	68764	26.073	ug/l #	50
11) Tert butyl alcohol	3.186	59	3385	3.305	ug/l #	72
13) Acrolein	2.494	56	156	3.896	ug/l	95
16) Acetone	2.652	43	18384	8.680	ug/l	97
18) Methyl Acetate	2.957	43	9737	1.573	ug/l	97
20) Methylene Chloride	3.038	84	10865	3.406	ug/l	98
25) 2-Butanone	4.739	43	4116	1.368	ug/l	93
29) Tetrahydrofuran	5.076	42	1891	1.056	ug/l	89
31) Cyclohexane	5.372	56	5426	1.001	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	19786	4.646	ug/l #	49
38) Carbon Tetrachloride	5.372	117	21865	5.934	ug/l #	15
41) Methacrylonitrile	5.079	41	1044	0.360	ug/l #	35
43) Isopropyl Acetate	5.922	43	32667	3.854	ug/l	98
45) 1,2-Dichloropropane	7.047	63	2062	0.613	ug/l #	45
48) Methyl methacrylate	6.960	41	7511	1.820	ug/l #	14
49) 1,4-Dioxane	7.044	88	131	Below Cal	#	20
51) 4-Methyl-2-Pentanone	7.751	43	105947	17.169	ug/l #	45
54) cis-1,3-Dichloropropene	7.751	75	53197	10.154	ug/l #	57
56) Ethyl methacrylate	8.491	69	186	1.849	ug/l #	1
57) 1,3-Dichloropropane	8.745	76	31495	5.336	ug/l #	43
59) 2-Hexanone	8.655	43	15429	3.070	ug/l #	23
74) N-amyl acetate	10.246	43	1237	0.213	ug/l #	42
76) 1,2,3-Trichloropropane	10.642	75	93521	20.712	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.642	75	93521	57.479	ug/l #	9

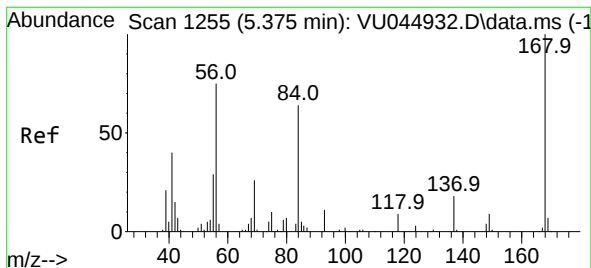
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 28 12:32:13 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. 0.000 min

Lab File: VU045382.D

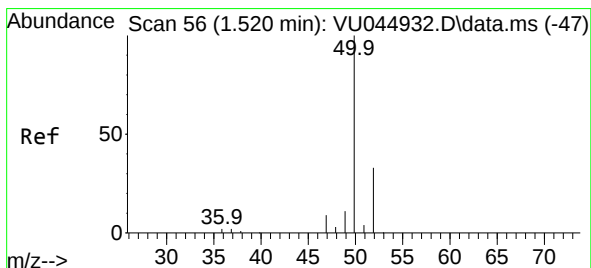
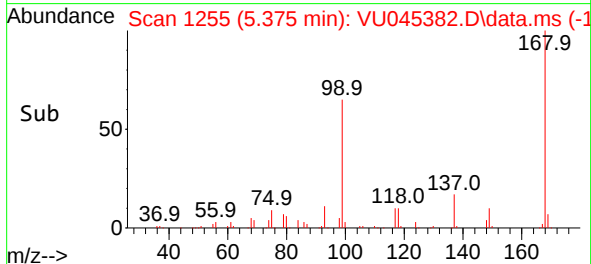
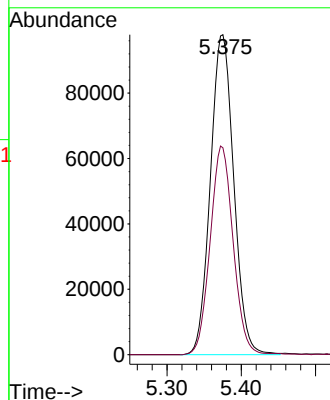
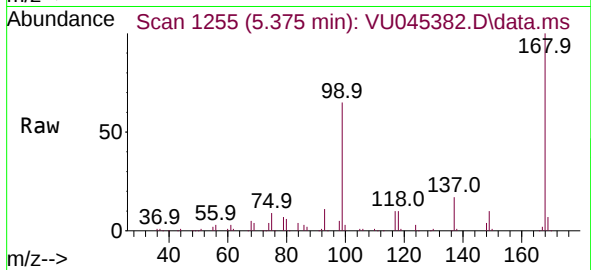
Acq: 25 Oct 2021 14:16

Tgt Ion:168 Resp: 214358

Ion Ratio Lower Upper

168 100

99 64.7 51.4 77.0



#3

Chloromethane

Concen: 0.321 ug/l

RT: 1.517 min Scan# 55

Delta R.T. -0.003 min

Lab File: VU045382.D

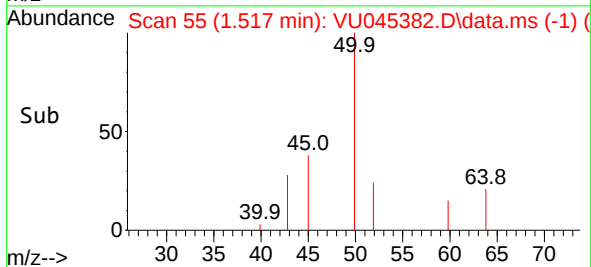
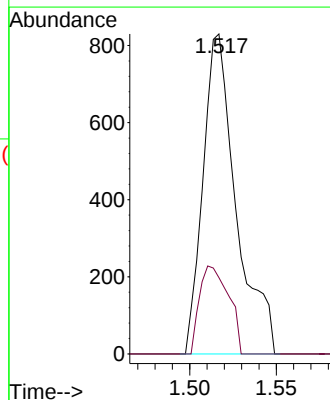
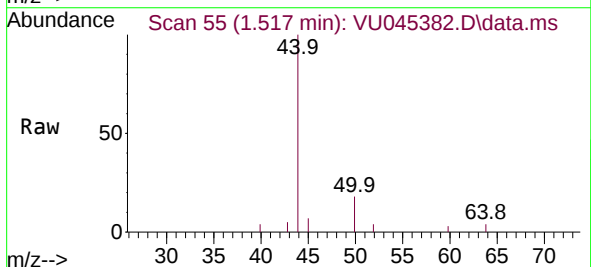
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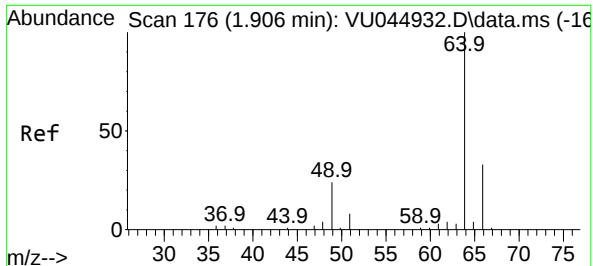
Tgt Ion: 50 Resp: 1105

Ion Ratio Lower Upper

50 100

52 23.9 26.3 39.5#

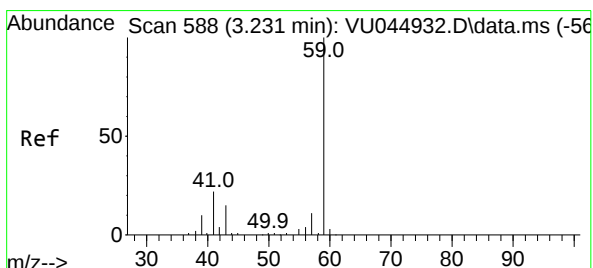
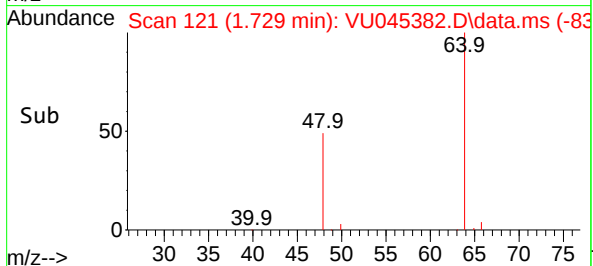
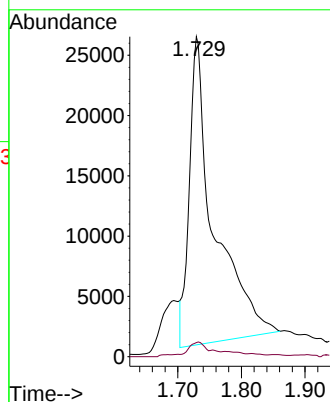
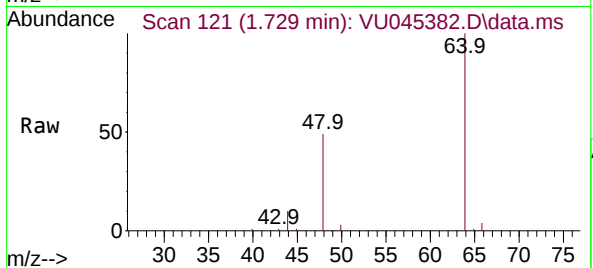




#6
Chloroethane
Concen: 26.073 ug/l
RT: 1.729 min Scan# 121
Delta R.T. -0.177 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

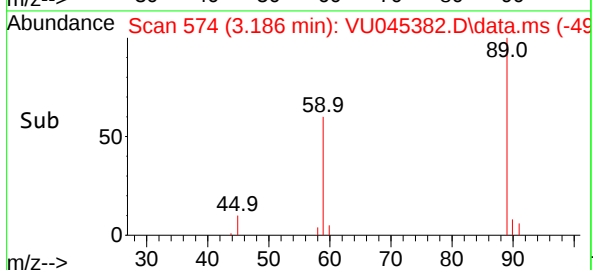
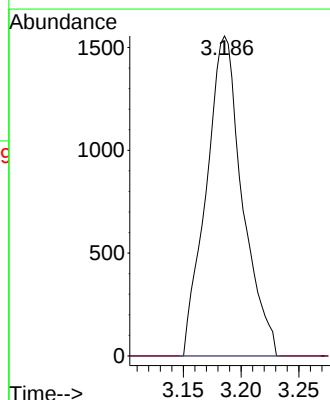
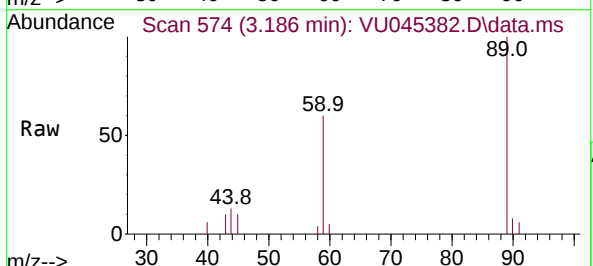
Instrument :
MSVOA_U
ClientSampled :

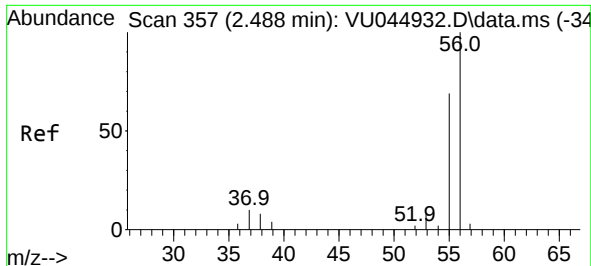
Tgt Ion: 64 Resp: 68764
Ion Ratio Lower Upper
64 100
66 4.1 25.8 38.8#



#11
Tert butyl alcohol
Concen: 3.305 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.045 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

Tgt Ion: 59 Resp: 3385
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

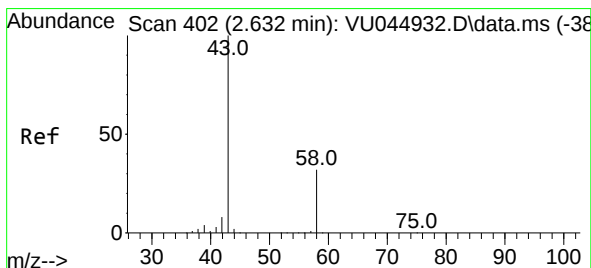
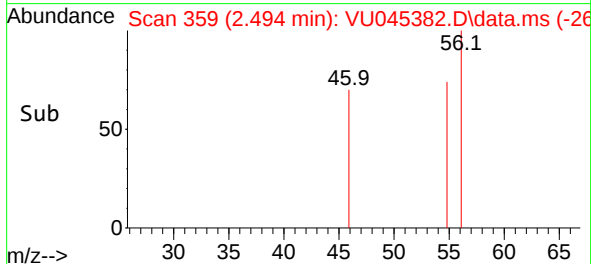
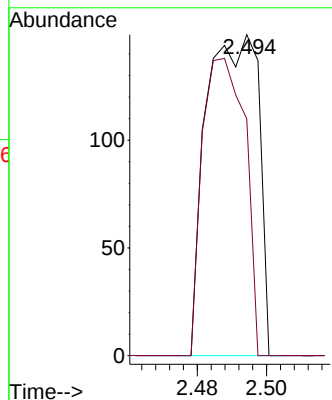
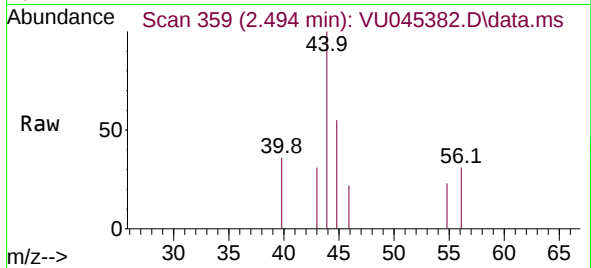




#13
Acrolein
Concen: 3.896 ug/l
RT: 2.494 min Scan# 359
Delta R.T. 0.006 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

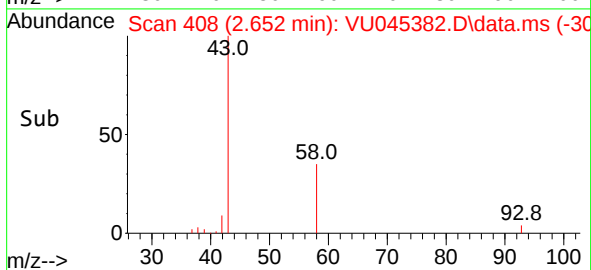
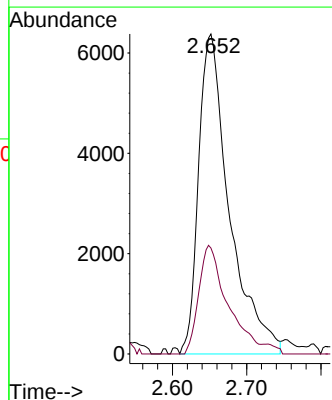
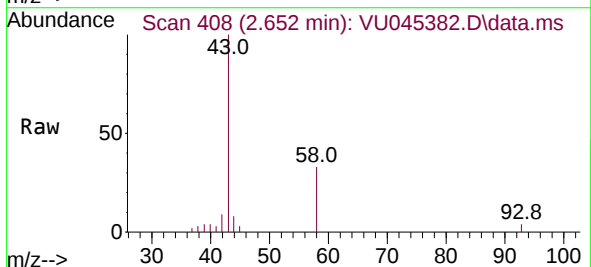
Instrument :
MSVOA_U
ClientSampled :

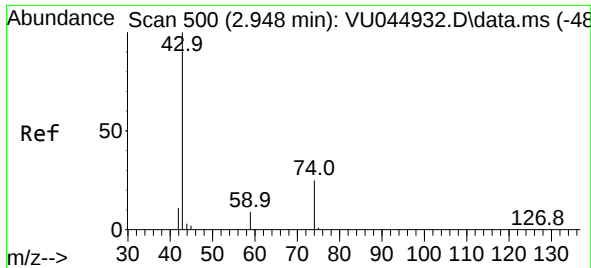
Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 75.6 57.4 86.0



#16
Acetone
Concen: 8.680 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.020 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

Tgt Ion: 43 Resp: 18384
Ion Ratio Lower Upper
43 100
58 33.1 25.2 37.8

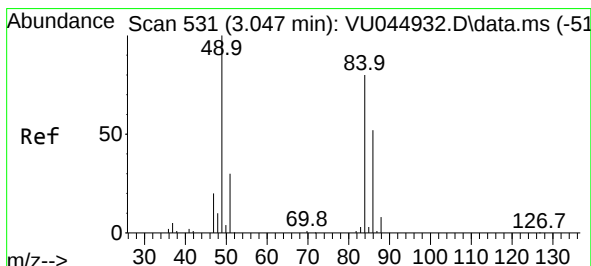
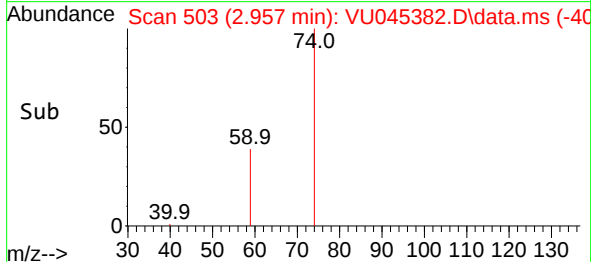
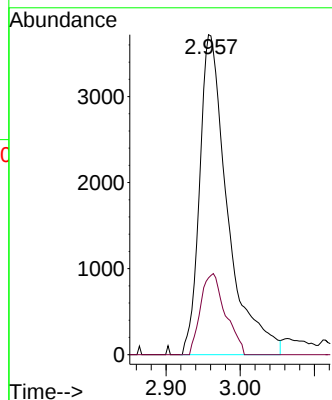
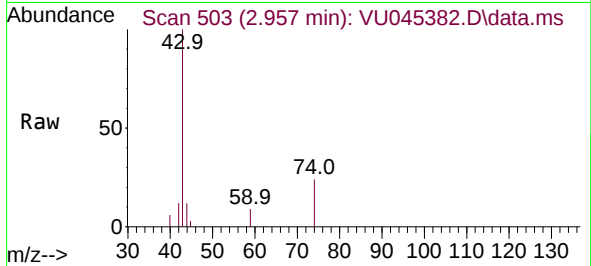




#18
Methyl Acetate
Concen: 1.573 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

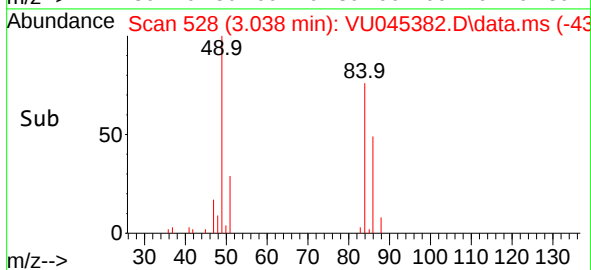
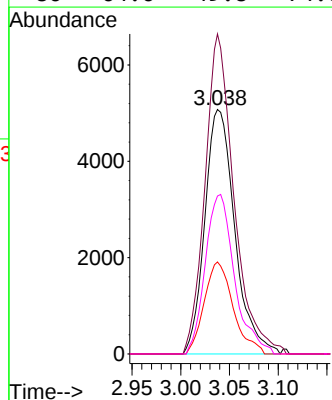
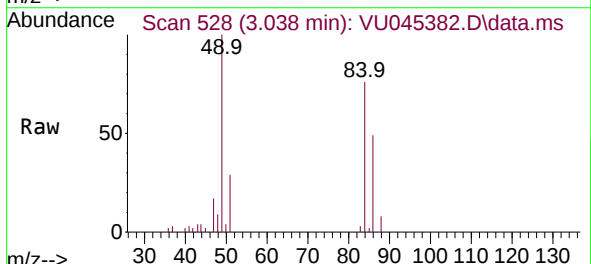
Instrument :
MSVOA_U
ClientSampled :

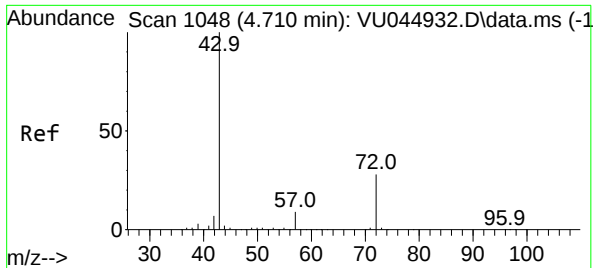
Tgt Ion: 43 Resp: 9737
Ion Ratio Lower Upper
43 100
74 22.5 19.0 28.6



#20
Methylene Chloride
Concen: 3.406 ug/l
RT: 3.038 min Scan# 528
Delta R.T. -0.009 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

Tgt Ion: 84 Resp: 10865
Ion Ratio Lower Upper
84 100
49 130.9 104.9 157.3
51 37.6 31.8 47.8
86 64.6 49.8 74.6

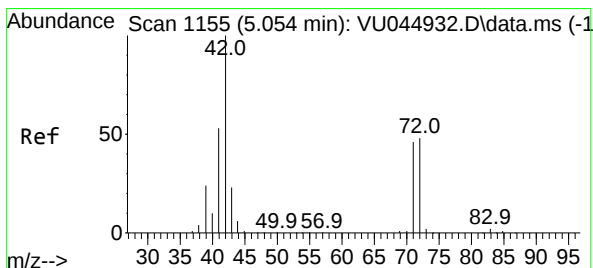
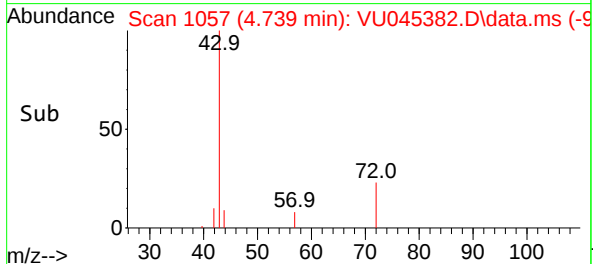
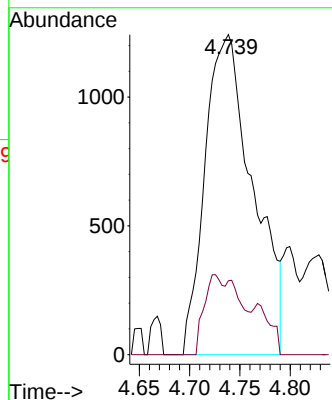
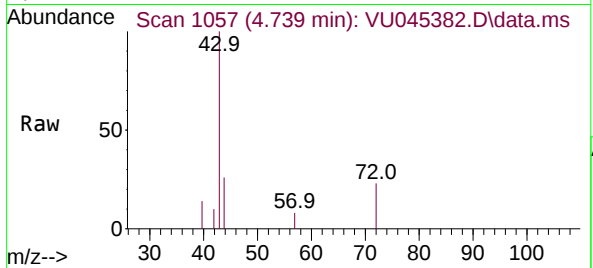




#25
2-Butanone
Concen: 1.368 ug/l
RT: 4.739 min Scan# 1057
Delta R.T. 0.029 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

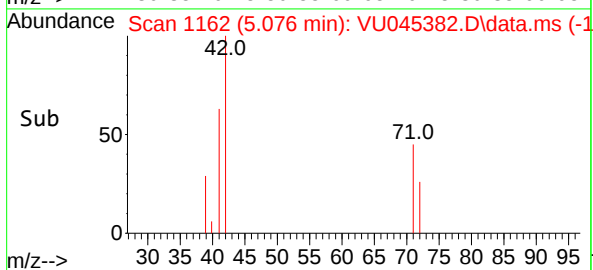
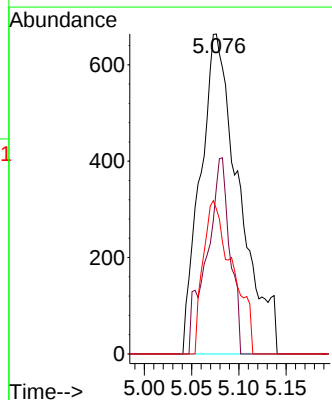
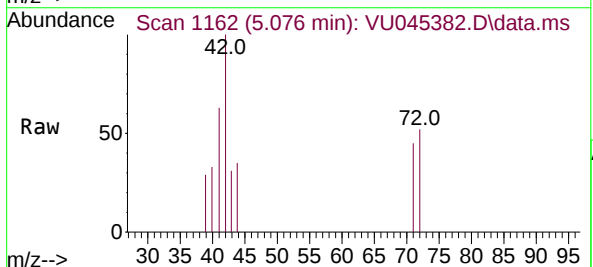
Instrument :
MSVOA_U
ClientSampled :

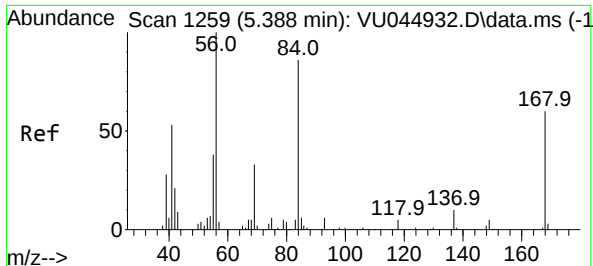
Tgt Ion: 43 Resp: 4116
Ion Ratio Lower Upper
43 100
72 23.1 21.3 31.9



#29
Tetrahydrofuran
Concen: 1.056 ug/l
RT: 5.076 min Scan# 1162
Delta R.T. 0.022 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

Tgt Ion: 42 Resp: 1891
Ion Ratio Lower Upper
42 100
72 36.9 36.2 54.4
71 36.3 34.1 51.1

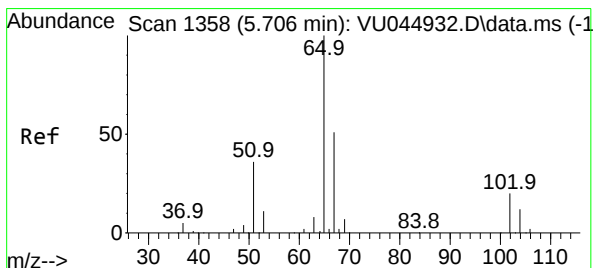
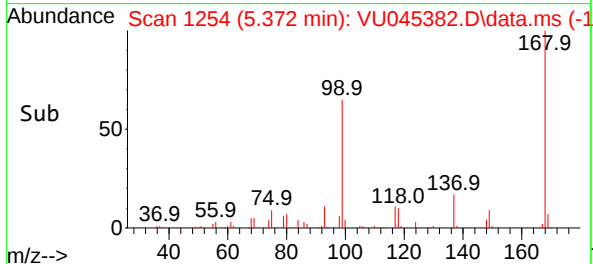
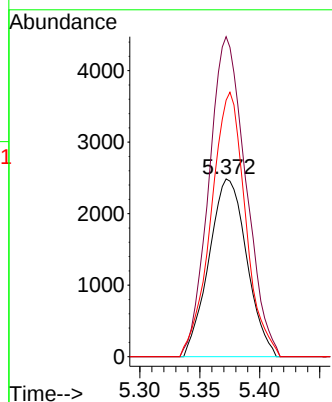
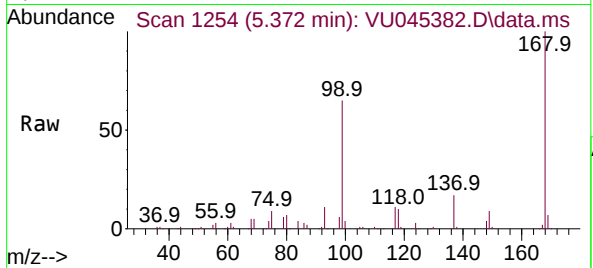




#31
Cyclohexane
Concen: 1.001 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.016 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

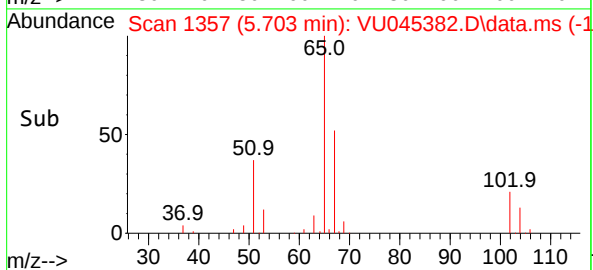
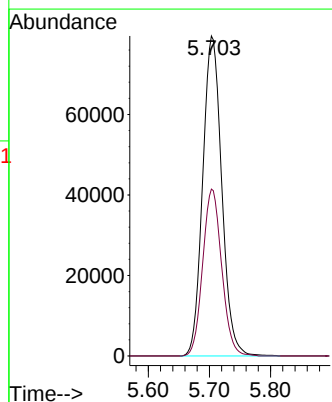
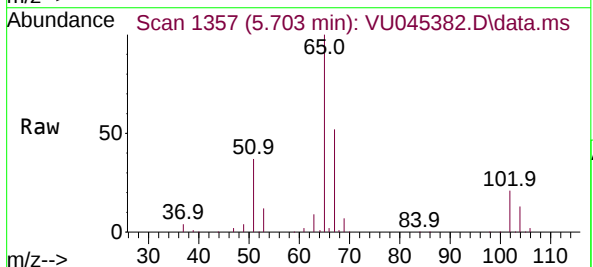
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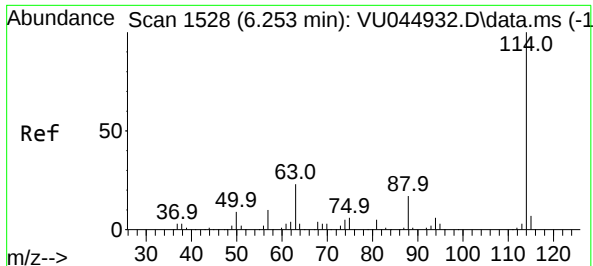
Tgt Ion: 56 Resp: 5426
Ion Ratio Lower Upper
56 100
69 180.1 25.2 37.8#
84 144.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.246 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

Tgt Ion: 65 Resp: 172155
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: VU045382.D

Acq: 25 Oct 2021 14:16

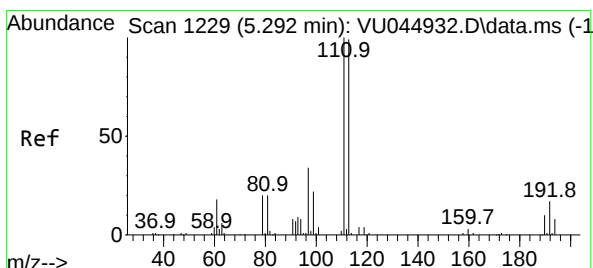
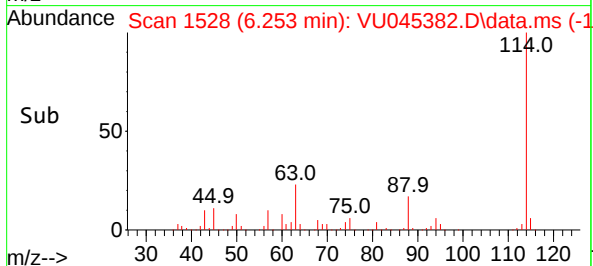
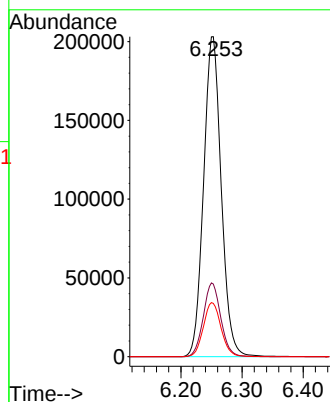
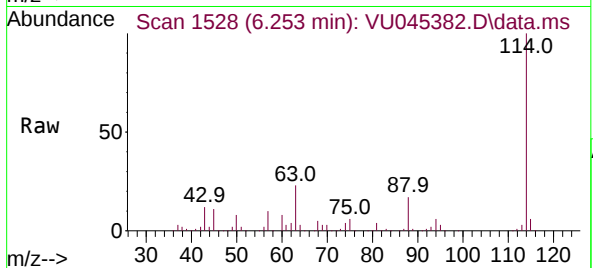
Tgt Ion:114 Resp: 407196

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.8

88 16.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.988 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045382.D

Acq: 25 Oct 2021 14:16

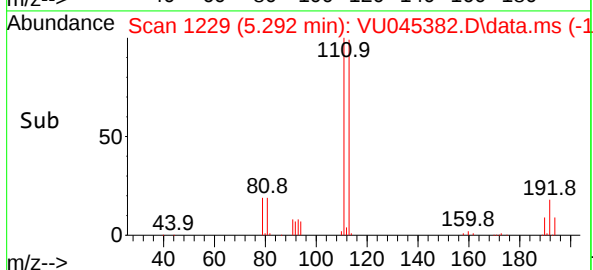
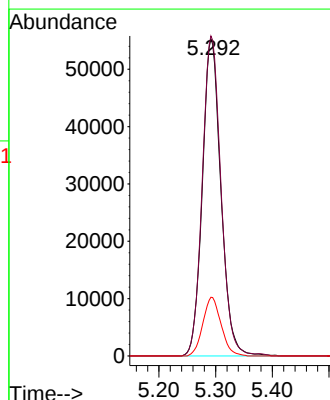
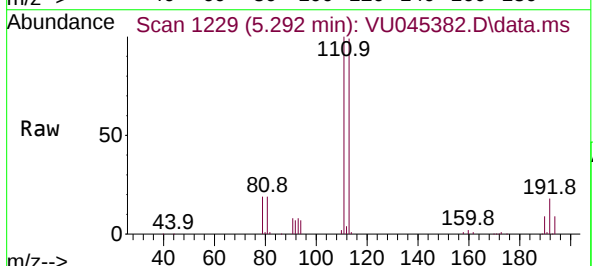
Tgt Ion:113 Resp: 125836

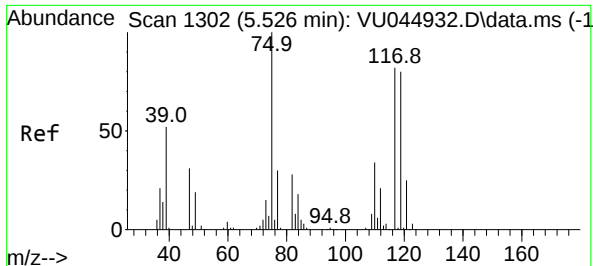
Ion Ratio Lower Upper

113 100

111 101.3 84.1 126.1

192 18.2 14.8 22.2



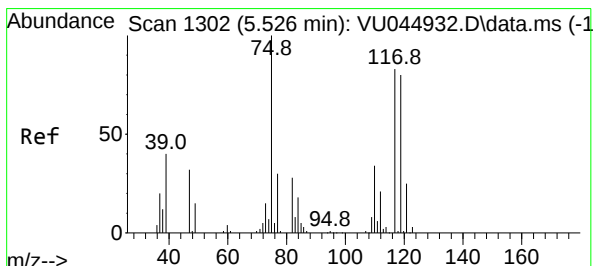
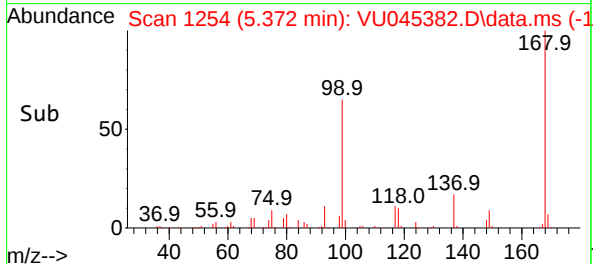
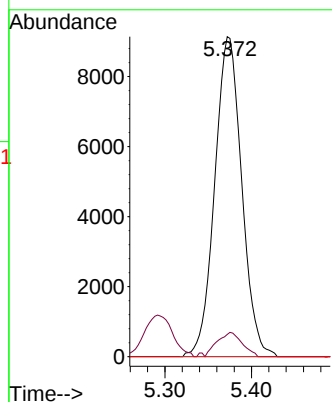
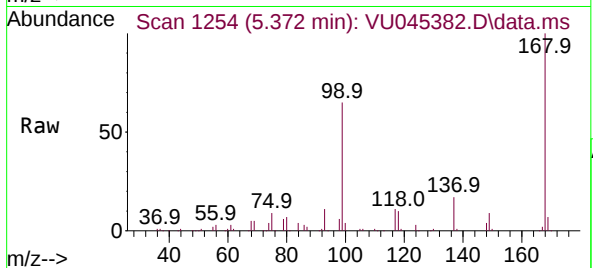


#36

1,1-Dichloropropene
Concen: 4.646 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

Instrument :
MSVOA_U
ClientSampled :

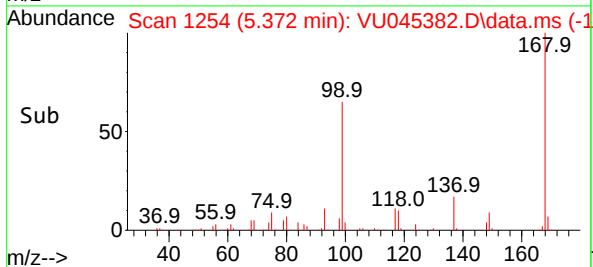
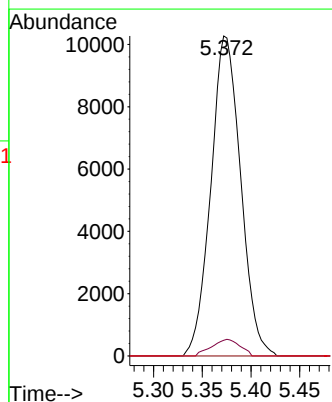
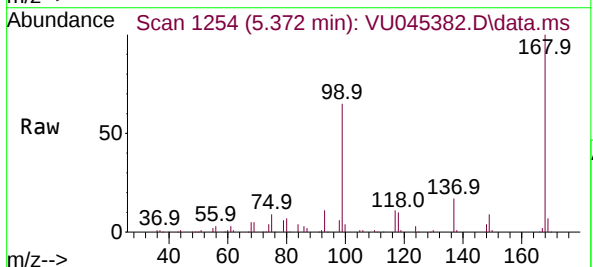
Tgt Ion: 75 Resp: 19786
Ion Ratio Lower Upper
75 100
110 7.0 16.3 48.9#
77 0.0 25.0 37.4#

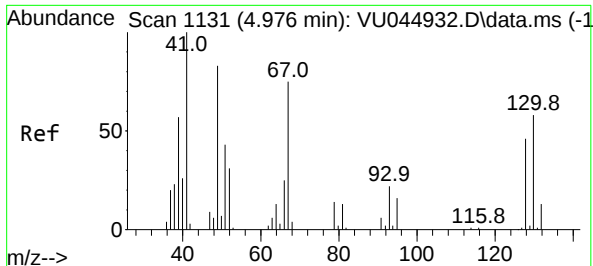


#38

Carbon Tetrachloride
Concen: 5.934 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

Tgt Ion: 117 Resp: 21865
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.2#
121 0.0 24.5 36.7#





#41

Methacrylonitrile

Concen: 0.360 ug/l

RT: 5.079 min Scan# 1163

Delta R.T. 0.103 min

Lab File: VU045382.D

Acq: 25 Oct 2021 14:16

Tgt Ion: 41 Resp: 1044

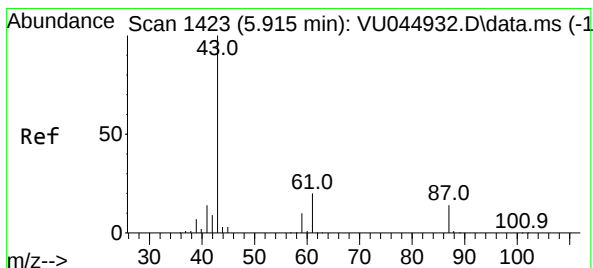
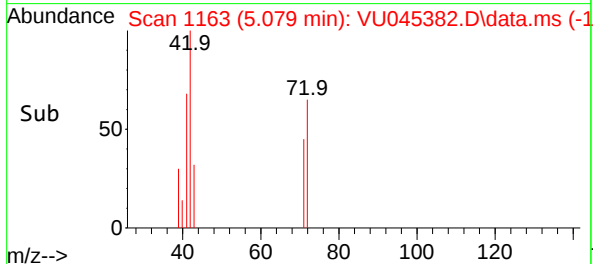
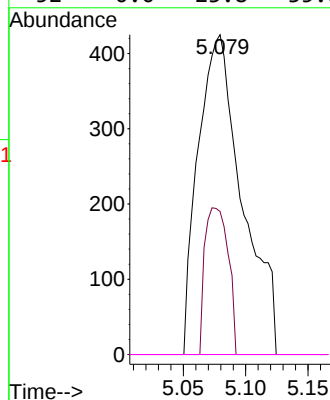
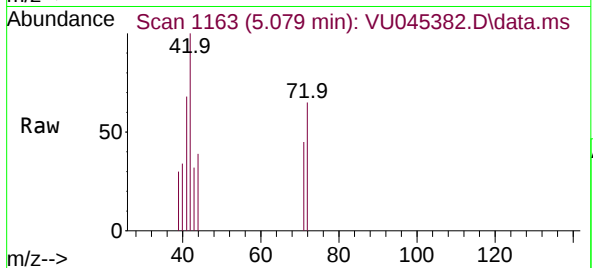
Ion Ratio Lower Upper

41 100

39 24.2 44.4 66.6#

67 0.0 58.1 87.1#

52 0.0 23.8 35.8#



#43

Isopropyl Acetate

Concen: 3.854 ug/l

RT: 5.922 min Scan# 1425

Delta R.T. 0.007 min

Lab File: VU045382.D

Acq: 25 Oct 2021 14:16

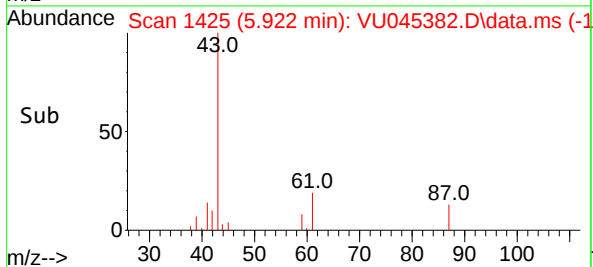
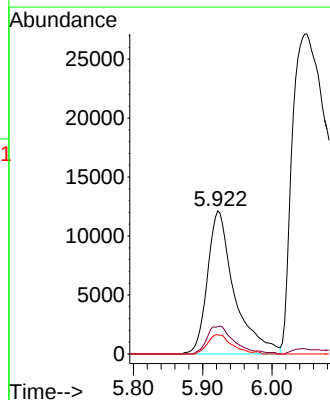
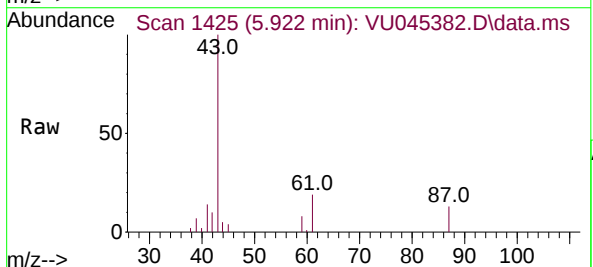
Tgt Ion: 43 Resp: 32667

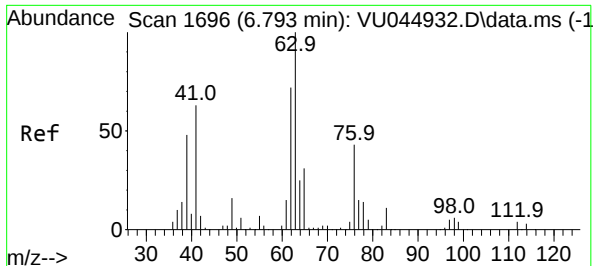
Ion Ratio Lower Upper

43 100

61 19.5 16.1 24.1

87 11.9 10.3 15.5



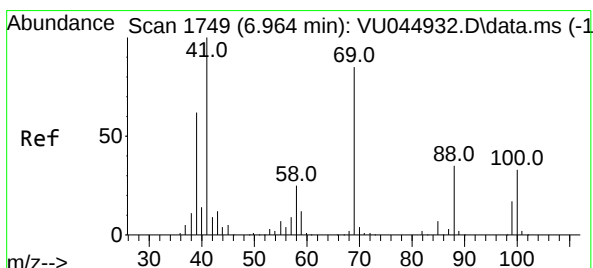
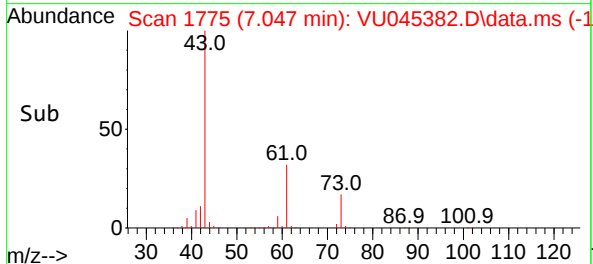
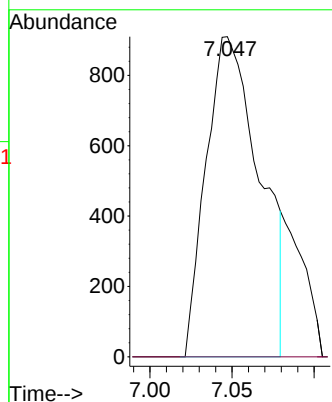
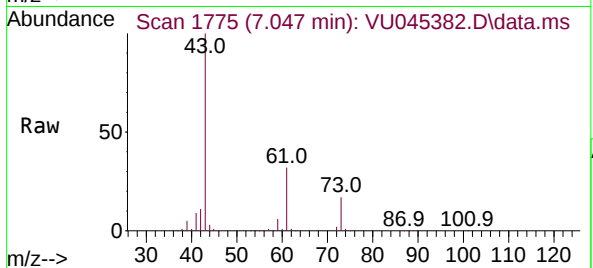


#45

1,2-Dichloropropane
Concen: 0.613 ug/l
RT: 7.047 min Scan# 1775
Delta R.T. 0.254 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

Instrument :
MSVOA_U
ClientSampled :

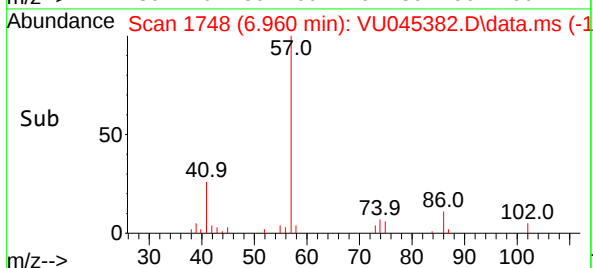
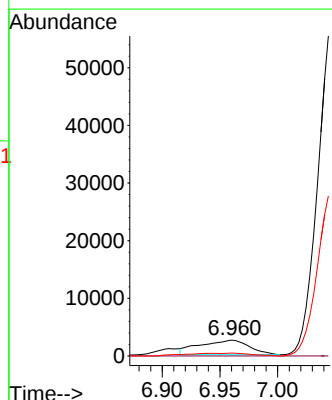
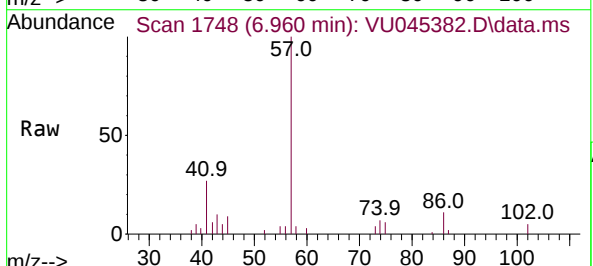
Tgt Ion: 63 Resp: 2062
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

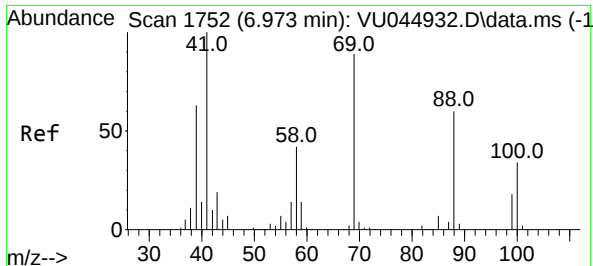


#48

Methyl methacrylate
Concen: 1.820 ug/l
RT: 6.960 min Scan# 1748
Delta R.T. -0.004 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

Tgt Ion: 41 Resp: 7511
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 0.0 46.2 69.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.044 min Scan# 1774

Delta R.T. 0.071 min

Lab File: VU045382.D

Acq: 25 Oct 2021 14:16

Tgt Ion: 88 Resp: 131

Ion Ratio Lower Upper

88 100

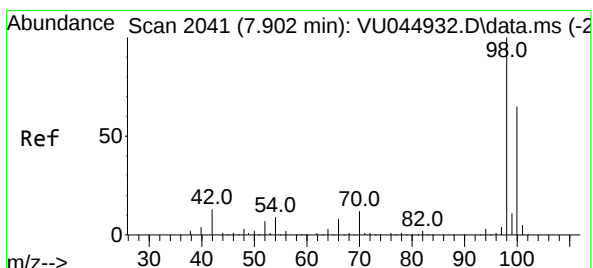
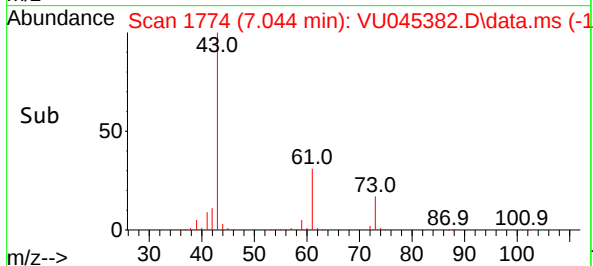
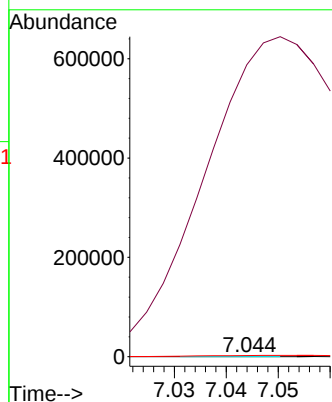
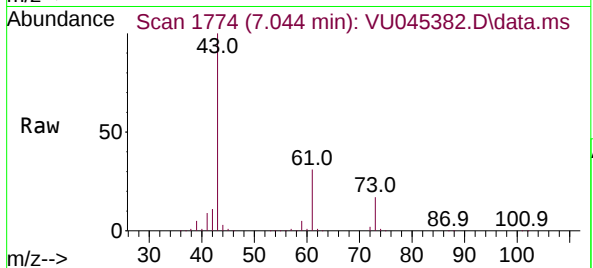
43 0.0 25.8 38.6#

58 0.0 61.3 91.9#

Instrument :

MSVOA_U

ClientSampleId :



#50

Toluene-d8

Concen: 50.228 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VU045382.D

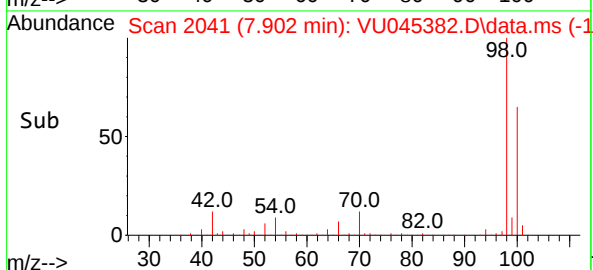
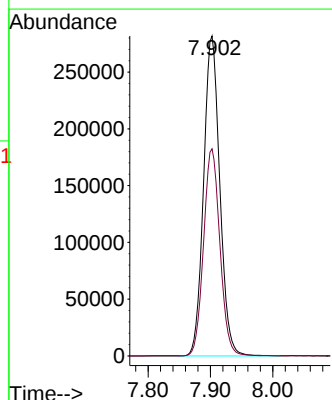
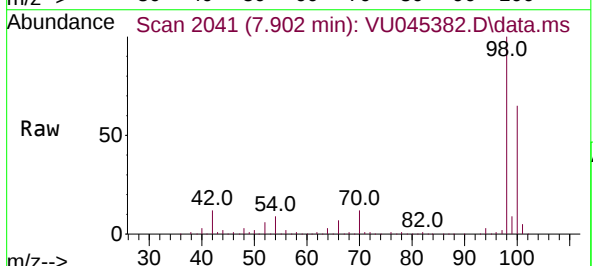
Acq: 25 Oct 2021 14:16

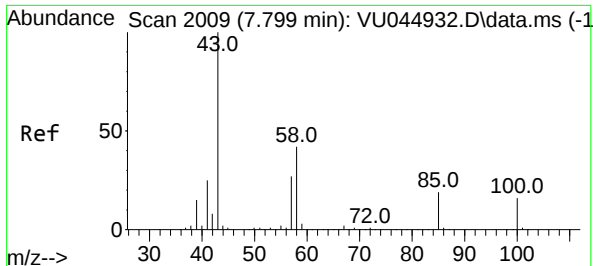
Tgt Ion: 98 Resp: 509791

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7

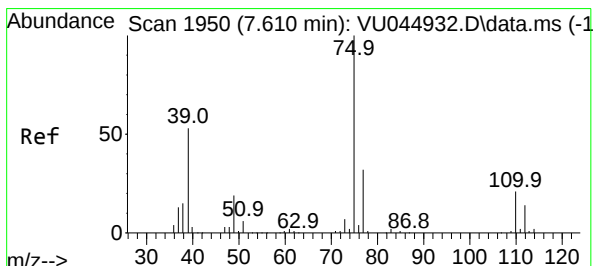
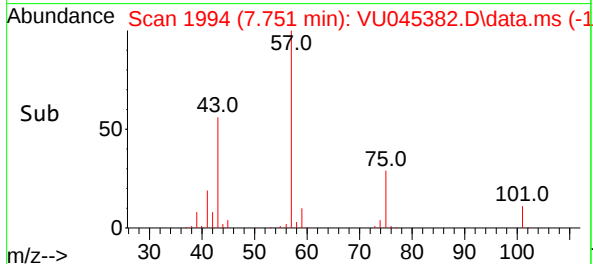
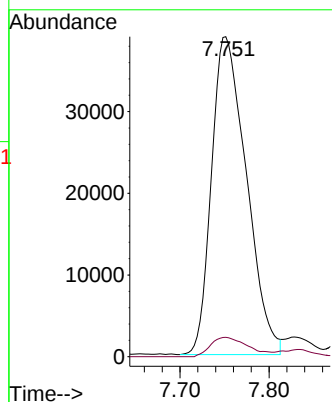
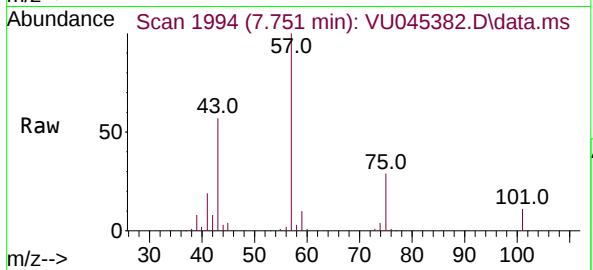




#51
4-Methyl-2-Pentanone
Concen: 17.169 ug/l
RT: 7.751 min Scan# 1994
Delta R.T. -0.048 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

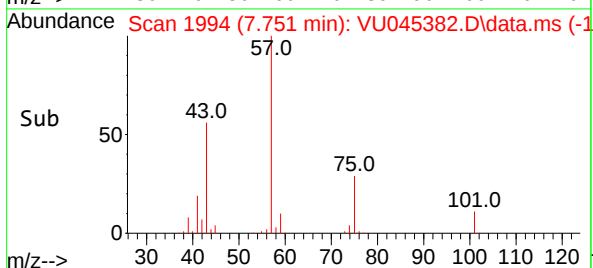
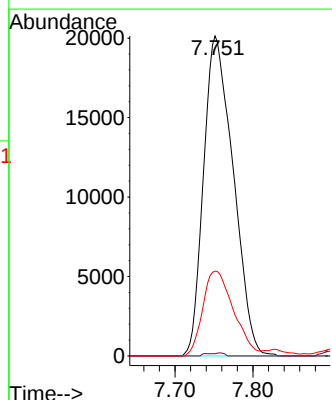
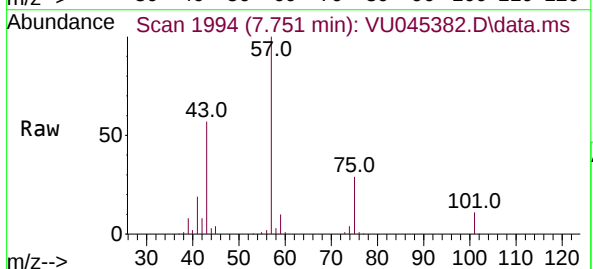
Instrument :
MSVOA_U
ClientSampled :

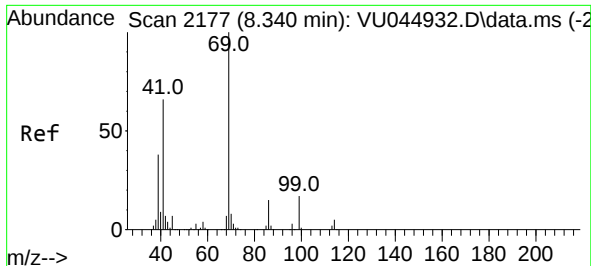
Tgt Ion: 43 Resp: 105947
Ion Ratio Lower Upper
43 100
58 6.6 32.4 48.6#



#54
cis-1,3-Dichloropropene
Concen: 10.154 ug/l
RT: 7.751 min Scan# 1994
Delta R.T. 0.141 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

Tgt Ion: 75 Resp: 53197
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.6#
39 26.5 41.4 62.2#

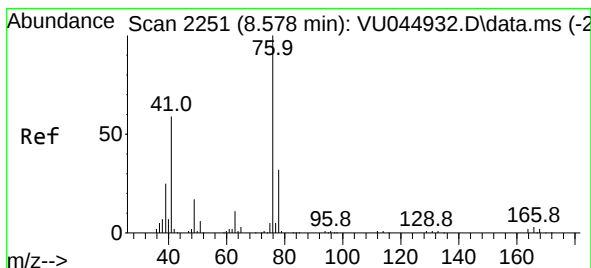
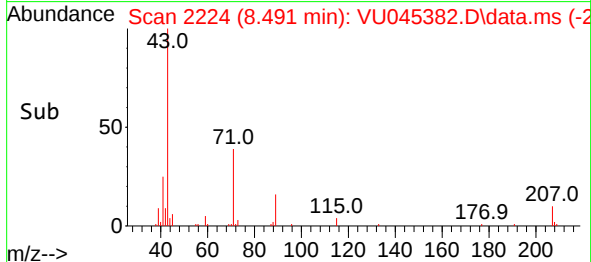
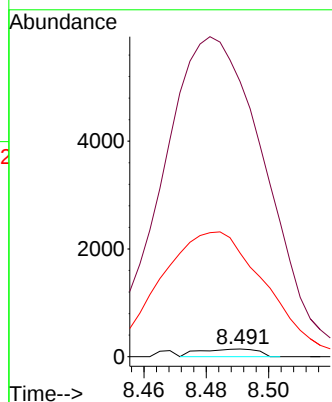
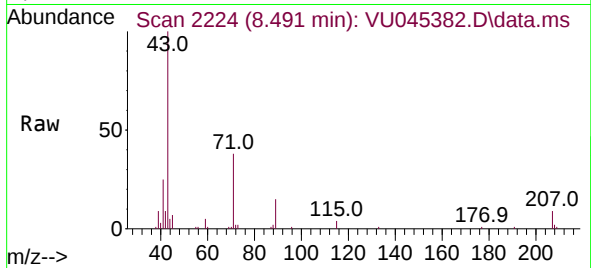




#56
Ethyl methacrylate
Concen: 1.849 ug/l
RT: 8.491 min Scan# 2224
Delta R.T. 0.151 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

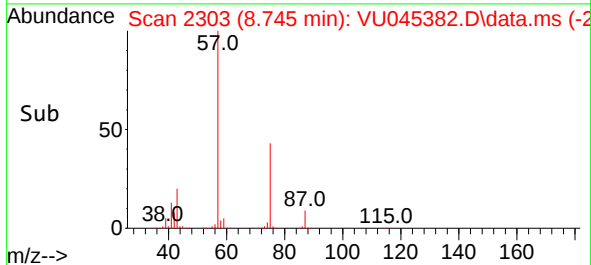
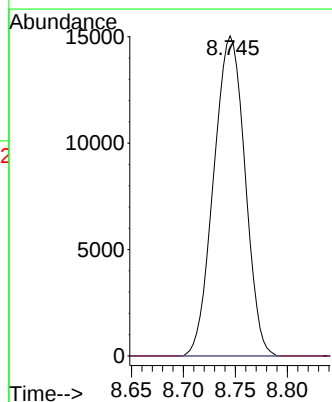
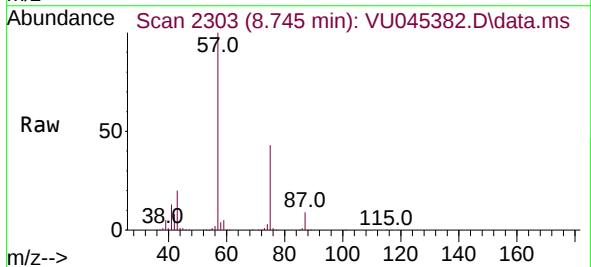
Instrument :
MSVOA_U
ClientSampled :

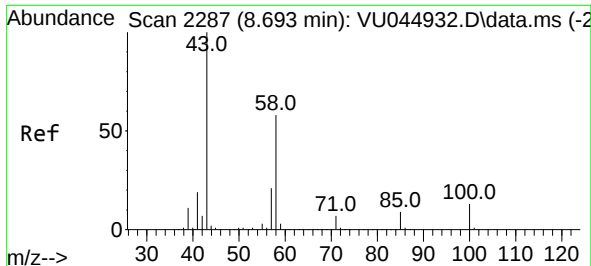
Tgt Ion: 69 Resp: 186
Ion Ratio Lower Upper
69 100
41 7471.5 53.5 80.3#
39 3030.6 31.1 46.7#



#57
1,3-Dichloropropane
Concen: 5.336 ug/l
RT: 8.745 min Scan# 2303
Delta R.T. 0.167 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

Tgt Ion: 76 Resp: 31495
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

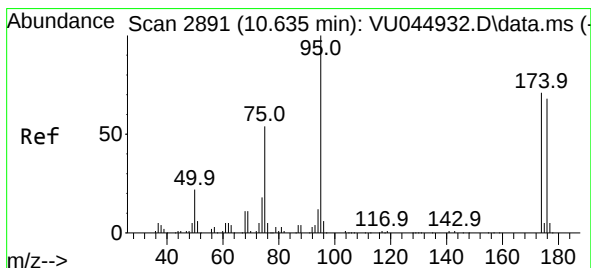
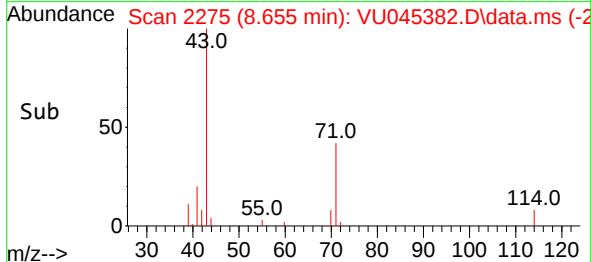
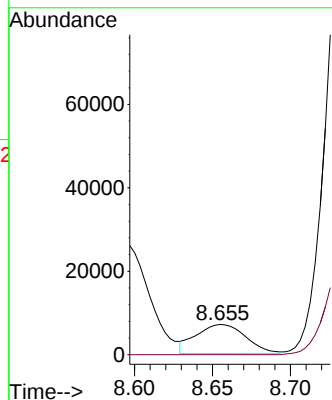
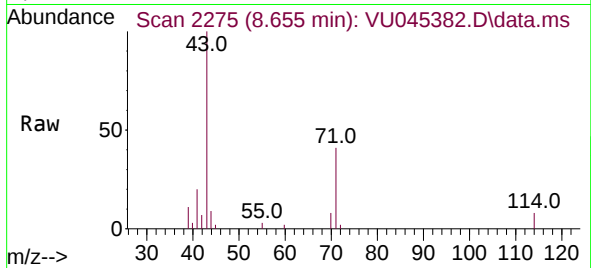




#59
2-Hexanone
Concen: 3.070 ug/l
RT: 8.655 min Scan# 2275
Delta R.T. -0.038 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

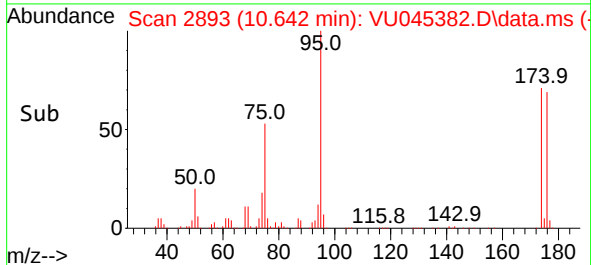
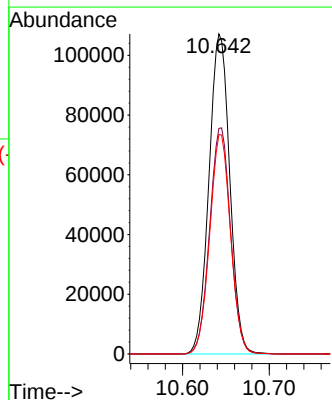
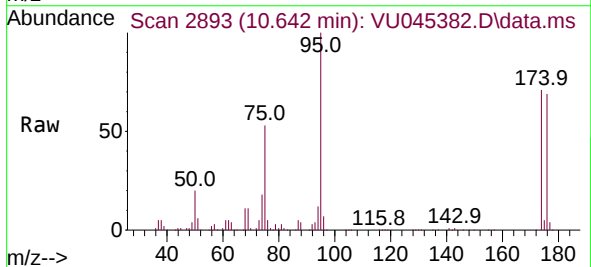
Instrument :
MSVOA_U
ClientSampleId :

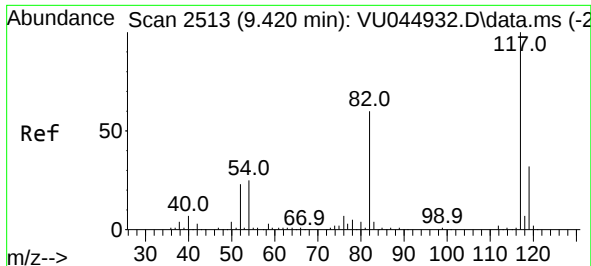
Tgt Ion: 43 Resp: 15429
Ion Ratio Lower Upper
43 100
58 0.0 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 42.693 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.007 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

Tgt Ion: 95 Resp: 178896
Ion Ratio Lower Upper
95 100
174 71.0 0.0 146.6
176 68.5 0.0 141.2

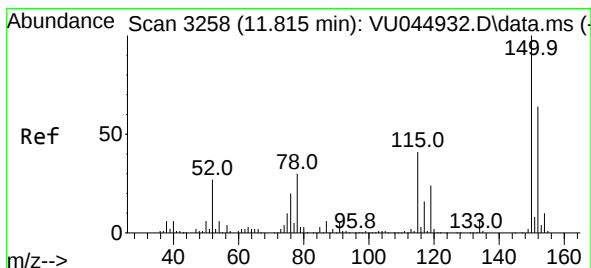
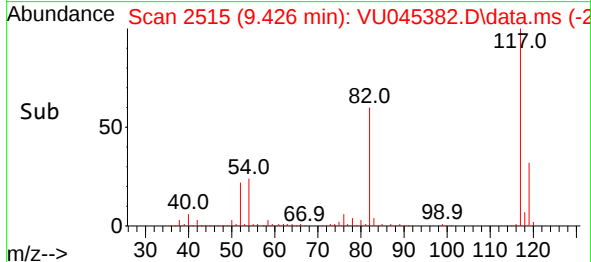
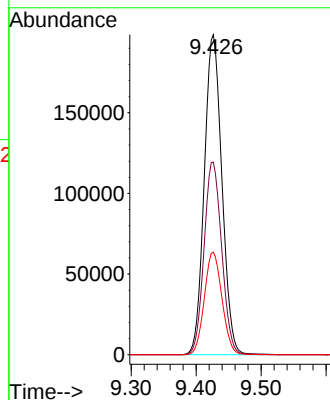
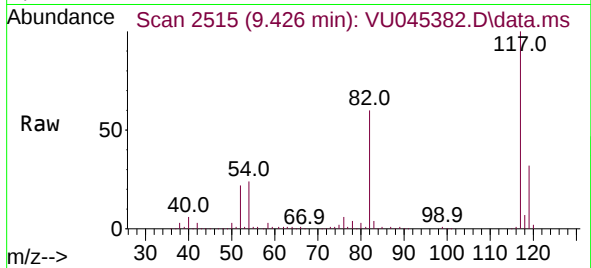




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.426 min Scan# 2515
Delta R.T. 0.006 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

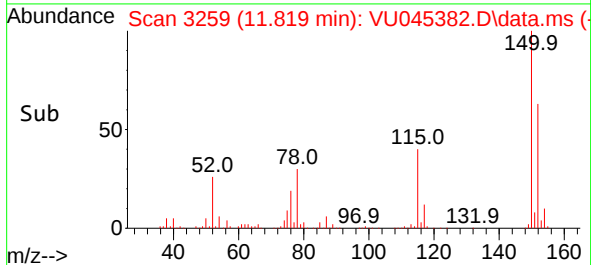
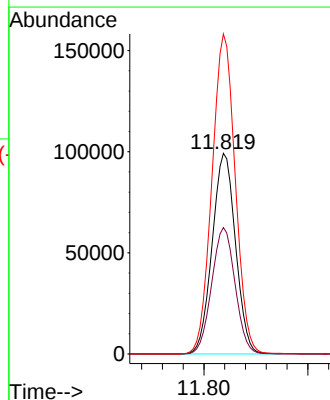
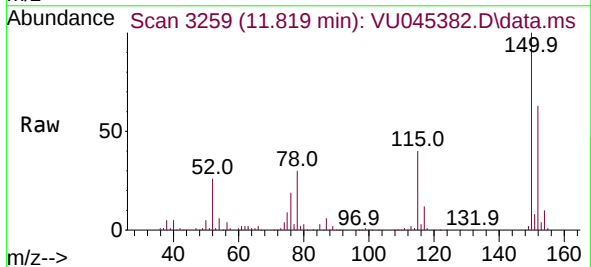
Instrument :
MSVOA_U
ClientSampleId :

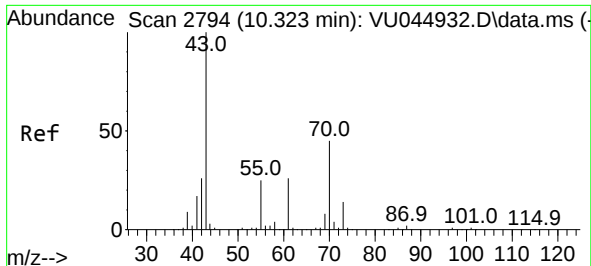
Tgt Ion:117 Resp: 375009
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 3259
Delta R.T. 0.004 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

Tgt Ion:152 Resp: 154804
Ion Ratio Lower Upper
152 100
115 63.0 43.5 130.7
150 158.9 0.0 350.0

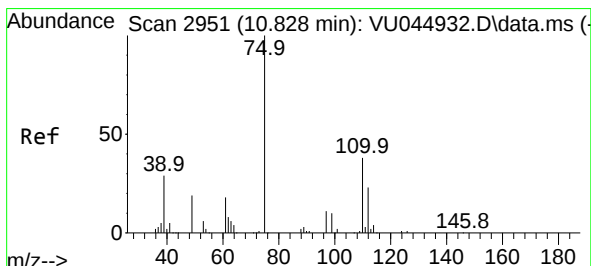
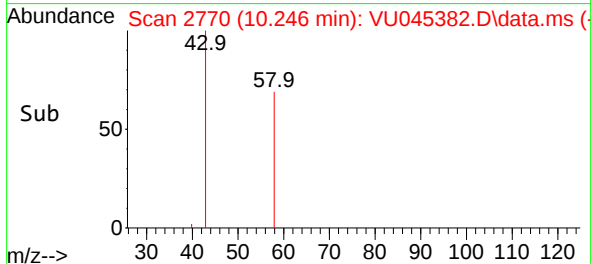
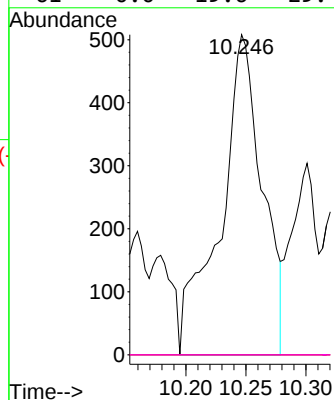
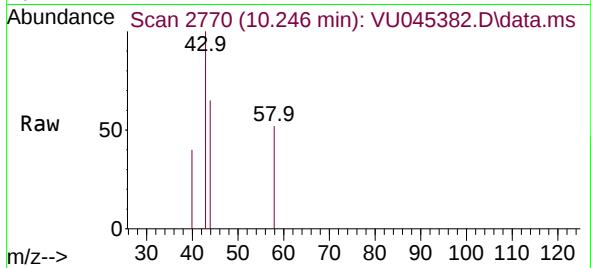




#74
N-amy1 acetate
Concen: 0.213 ug/l
RT: 10.246 min Scan# 2770
Delta R.T. -0.077 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

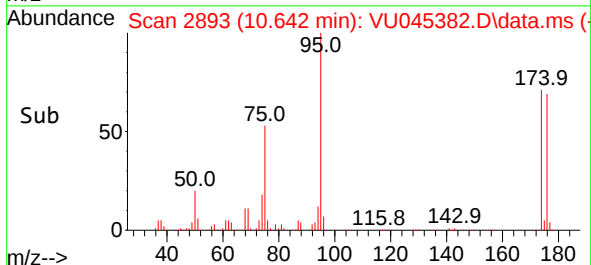
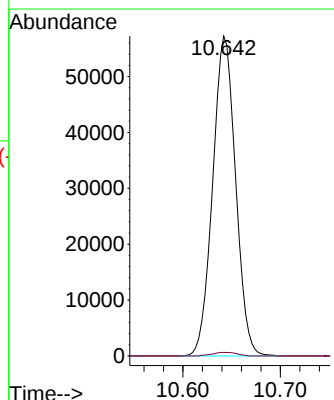
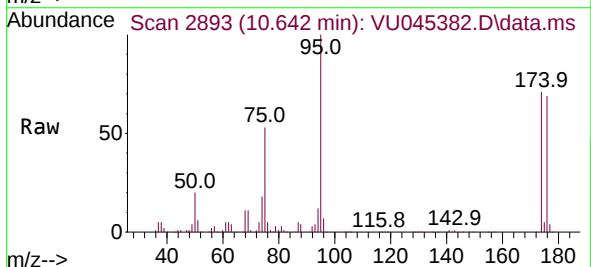
Instrument :
MSVOA_U
ClientSampled :

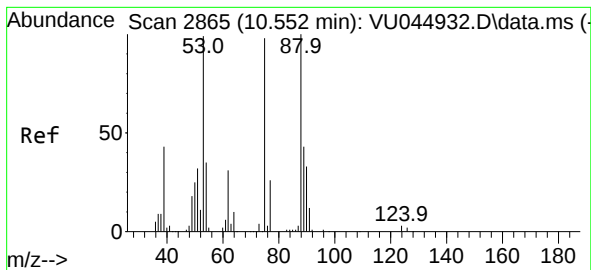
Tgt Ion: 43 Resp: 1237
Ion Ratio Lower Upper
43 100
70 0.0 35.1 52.7#
55 0.0 20.5 30.7#
61 0.0 19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 20.712 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.186 min
Lab File: VU045382.D
Acq: 25 Oct 2021 14:16

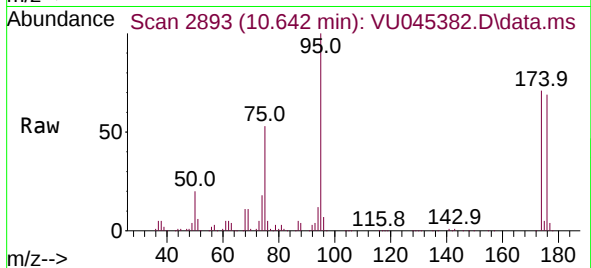
Tgt Ion: 75 Resp: 93521
Ion Ratio Lower Upper
75 100
77 1.2 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.479 ug/l
 RT: 10.642 min Scan# 2893
 Delta R.T. 0.090 min
 Lab File: VU045382.D
 Acq: 25 Oct 2021 14:16

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 93521
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

