

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100121\
 Data File : VU045076.D
 Acq On : 01 Oct 2021 16:25
 Operator : SY/MD
 Sample : M3999-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 02 03:12:26 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)

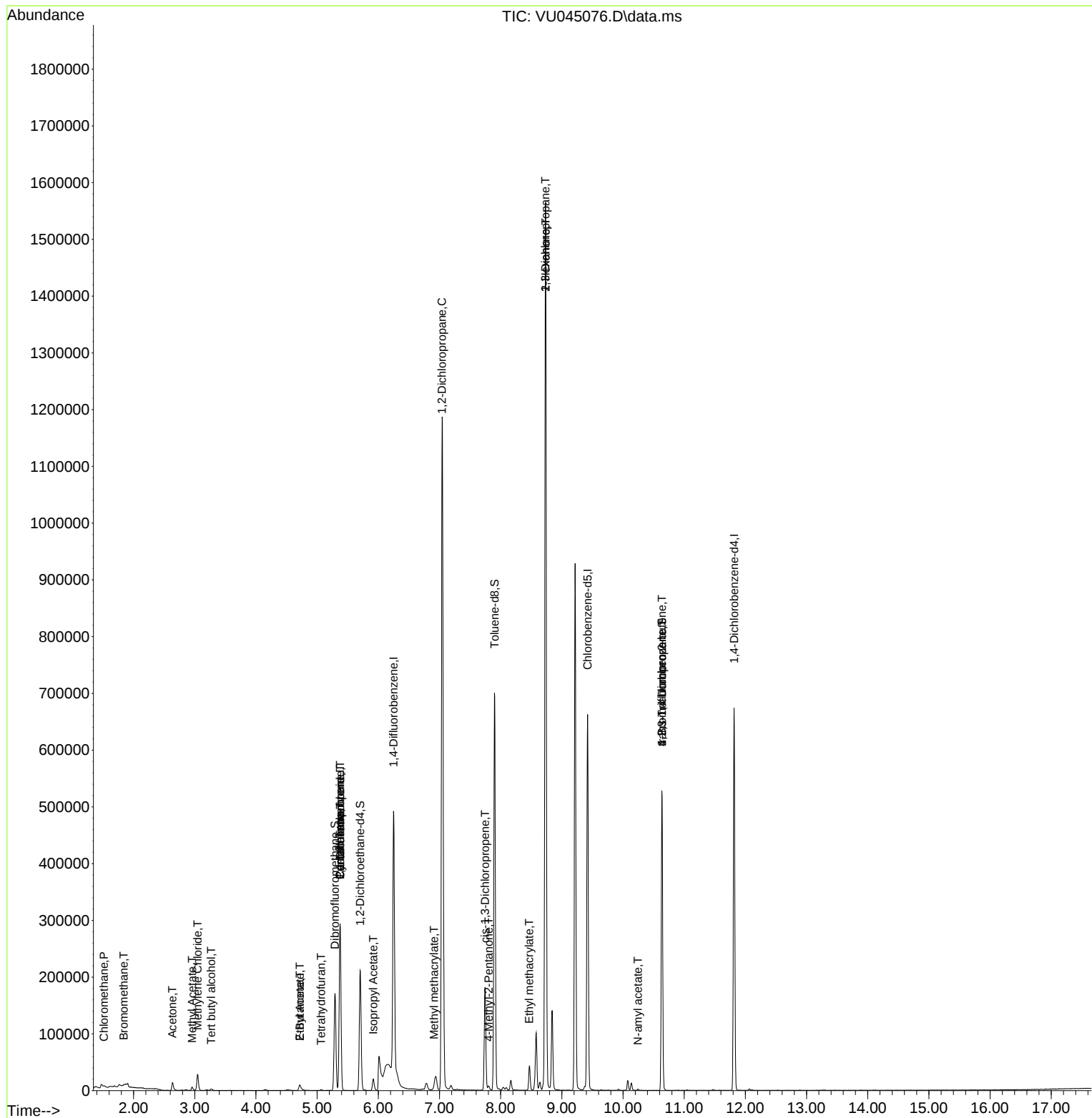
Internal Standards						
1) Pentafluorobenzene	5.375	168	187321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	353756	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	343265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	162433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	158618	50.869	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 101.740%		
35) Dibromofluoromethane	5.292	113	110700	49.605	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.220%		
50) Toluene-d8	7.899	98	449112	50.934	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 101.860%		
62) 4-Bromofluorobenzene	10.636	95	175605	48.239	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 96.480%		
Target Compounds						
						Qvalue
3) Chloromethane	1.517	50	878	0.292	ug/l	88
5) Bromomethane	1.839	94	280	0.238	ug/l	90
11) Tert butyl alcohol	3.266	59	4000	4.470	ug/l #	85
16) Acetone	2.636	43	18229	9.849	ug/l	98
18) Methyl Acetate	2.957	43	7880	1.457	ug/l	95
20) Methylene Chloride	3.047	84	13693	4.912	ug/l	94
25) 2-Butanone	4.716	43	18161	6.906	ug/l	96
29) Tetrahydrofuran	5.064	42	1130	0.722	ug/l #	64
31) Cyclohexane	5.375	56	5026	1.061	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	17673	4.777	ug/l #	50
37) Ethyl Acetate	4.716	43	18161	3.710	ug/l #	69
38) Carbon Tetrachloride	5.375	117	19442	6.073	ug/l #	15
43) Isopropyl Acetate	5.919	43	22914	3.112	ug/l	99
45) 1,2-Dichloropropane	7.041	63	1576	0.540	ug/l #	45
48) Methyl methacrylate	6.912	41	8520	2.377	ug/l #	14
49) 1,4-Dioxane	7.038	88	87	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.803	43	5210	0.972	ug/l	97
54) cis-1,3-Dichloropropene	7.745	75	34809	7.648	ug/l #	59
56) Ethyl methacrylate	8.465	69	176	1.851	ug/l #	1
57) 1,3-Dichloropropane	8.732	76	16694	3.255	ug/l #	43
59) 2-Hexanone	8.735	43	240334	55.051	ug/l #	51
74) N-amyl acetate	10.243	43	1426	0.234	ug/l #	42
76) 1,2,3-Trichloropropane	10.636	75	94698	19.987	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	94698	55.469	ug/l #	9

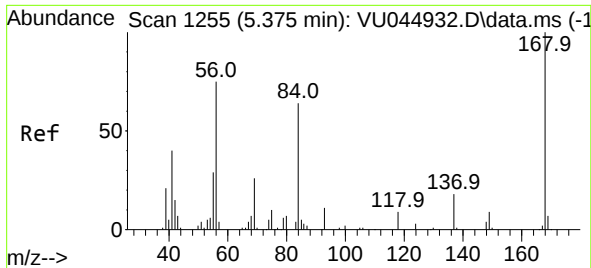
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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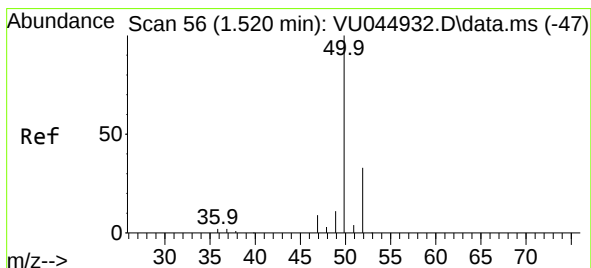
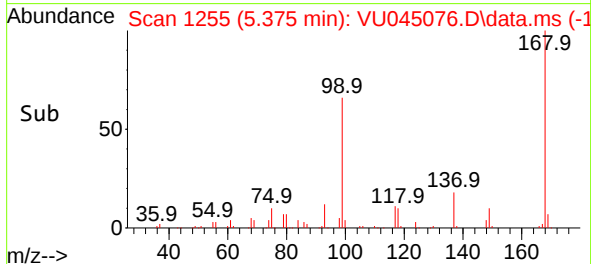
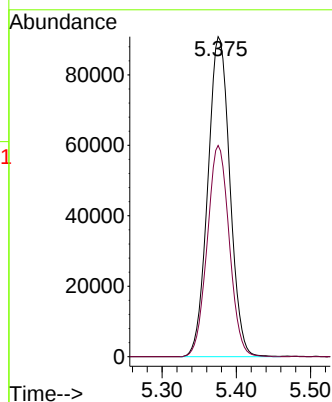
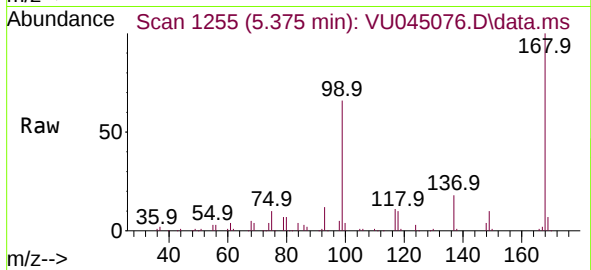




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

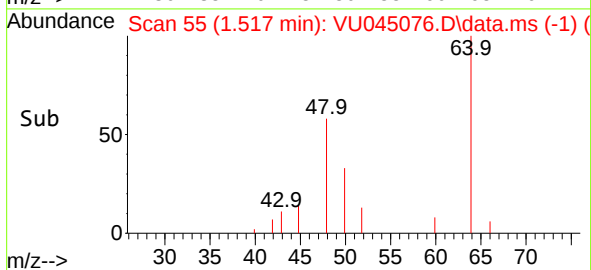
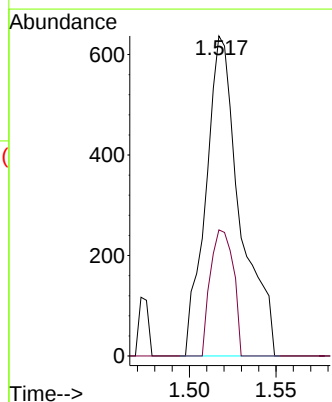
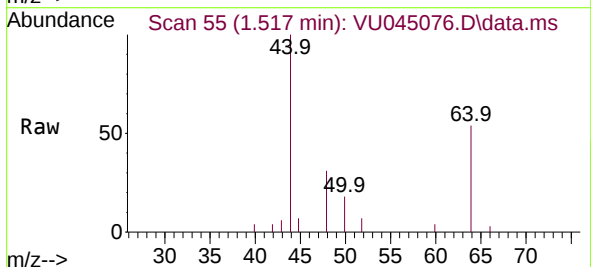
Instrument :
MSVOA_U
ClientSampleId :

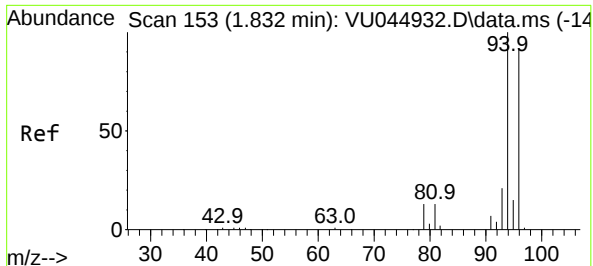
Tgt Ion:168 Resp: 187321
Ion Ratio Lower Upper
168 100
99 66.0 51.4 77.0



#3
Chloromethane
Concen: 0.292 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

Tgt Ion: 50 Resp: 878
Ion Ratio Lower Upper
50 100
52 39.4 26.3 39.5





#5

Bromomethane

Concen: 0.238 ug/l

RT: 1.839 min Scan# 155

Delta R.T. 0.007 min

Lab File: VU045076.D

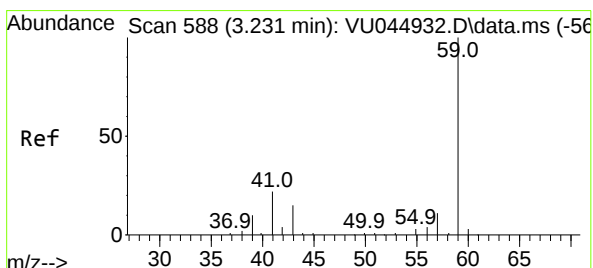
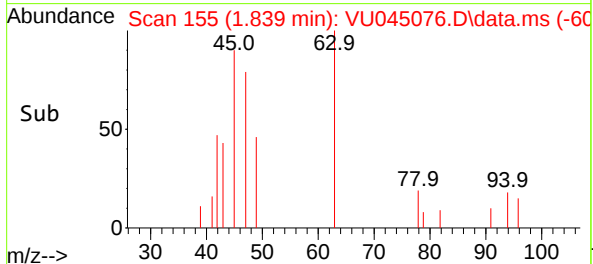
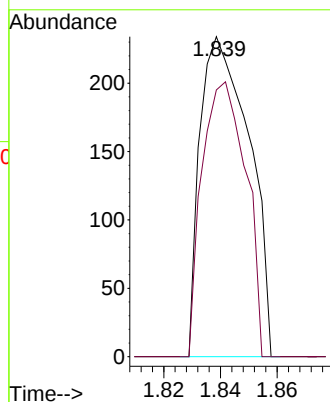
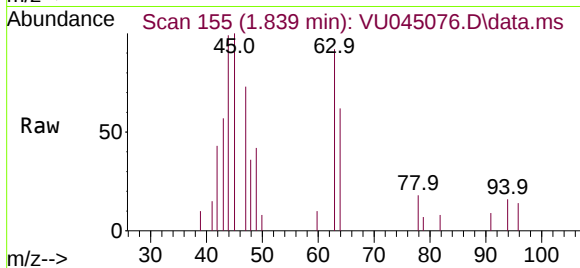
Acq: 01 Oct 2021 16:25

Tgt Ion: 94 Resp: 280

Ion Ratio Lower Upper

94 100

96 83.3 74.5 111.7



#11

Tert butyl alcohol

Concen: 4.470 ug/l

RT: 3.266 min Scan# 599

Delta R.T. 0.035 min

Lab File: VU045076.D

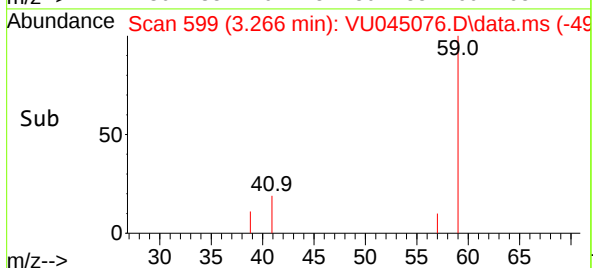
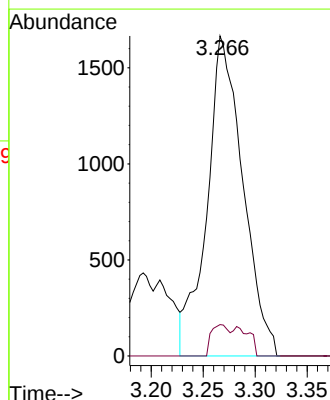
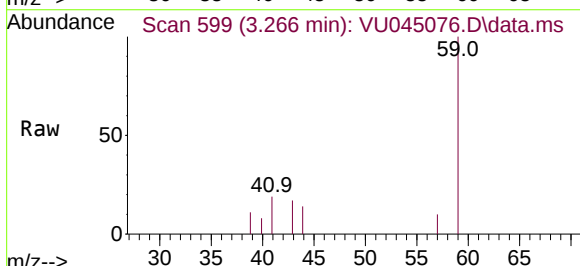
Acq: 01 Oct 2021 16:25

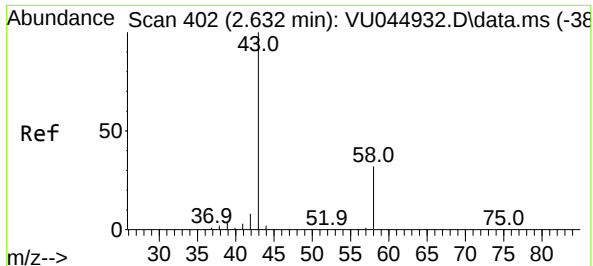
Tgt Ion: 59 Resp: 4000

Ion Ratio Lower Upper

59 100

57 4.8 8.3 12.5#

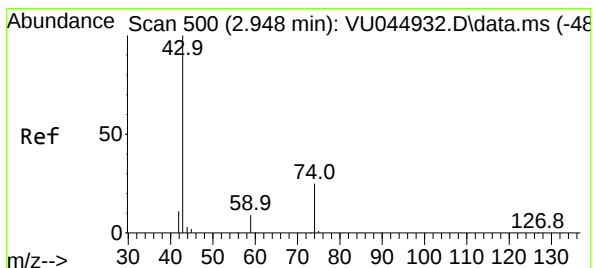
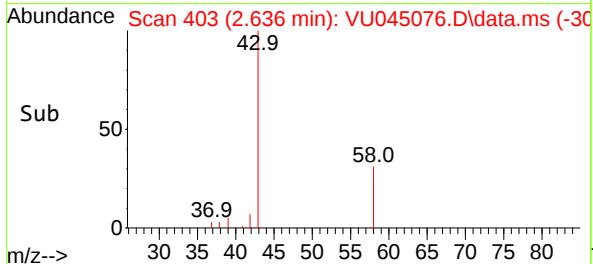
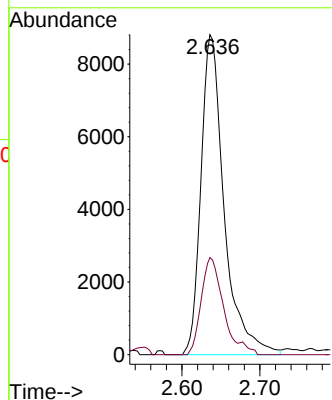
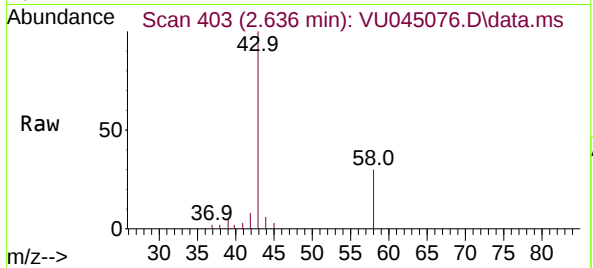




#16
Acetone
Concen: 9.849 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.004 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

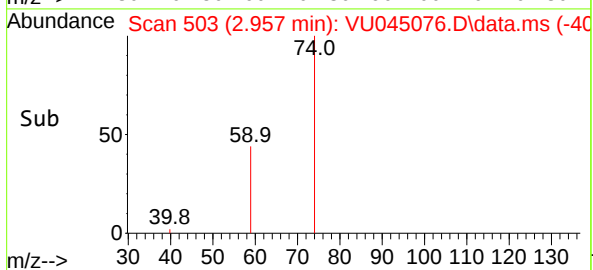
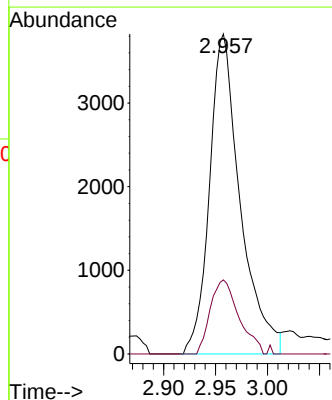
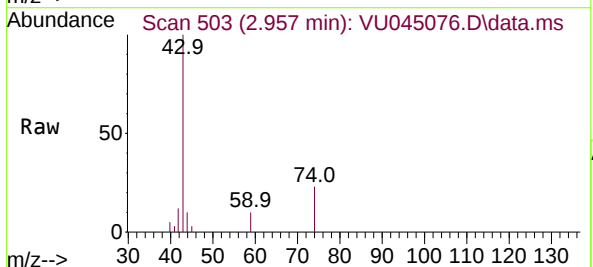
Instrument :
MSVOA_U
ClientSampled :

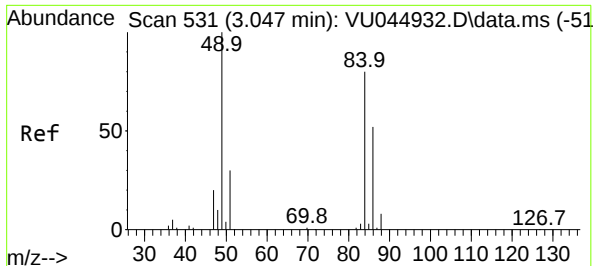
Tgt Ion: 43 Resp: 18229
Ion Ratio Lower Upper
43 100
58 30.3 25.2 37.8



#18
Methyl Acetate
Concen: 1.457 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

Tgt Ion: 43 Resp: 7880
Ion Ratio Lower Upper
43 100
74 21.5 19.0 28.6

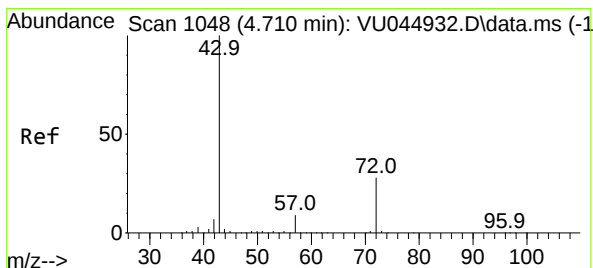
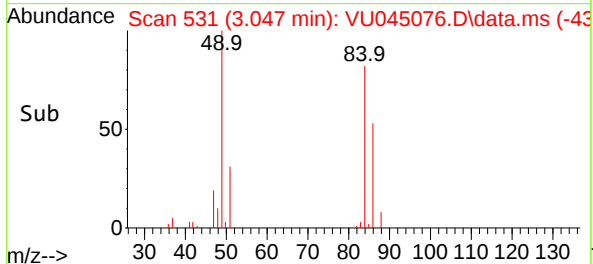
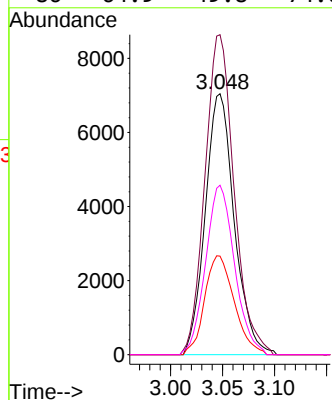
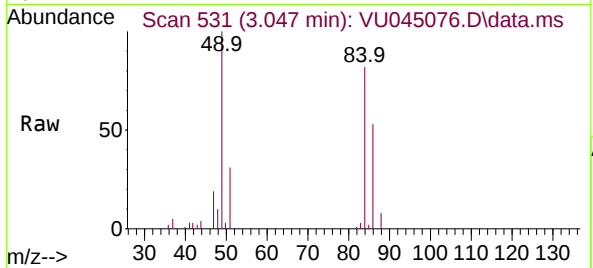




#20
Methylene Chloride
Concen: 4.912 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

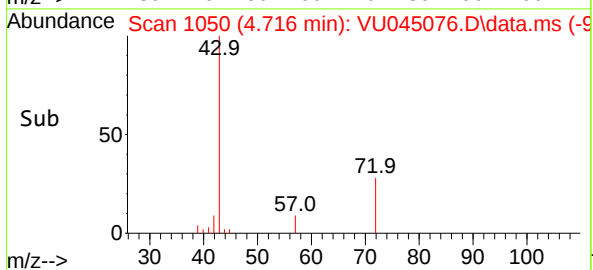
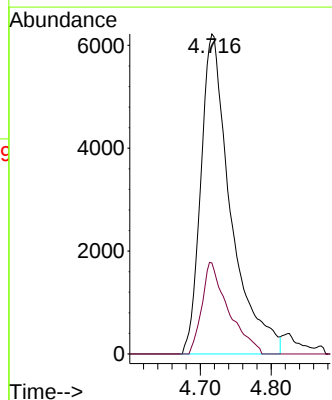
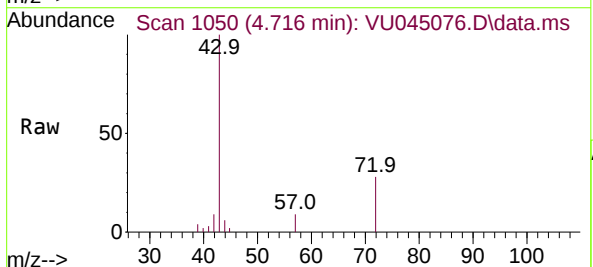
Instrument :
MSVOA_U
ClientSampleId :

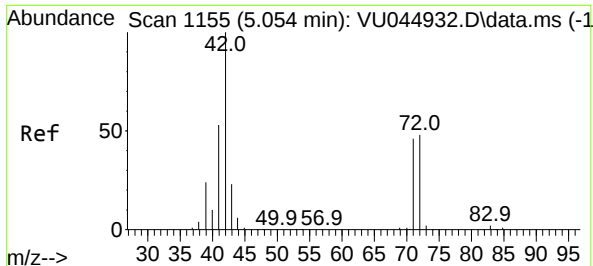
Tgt Ion:	84	Resp:	13693
Ion	Ratio	Lower	Upper
84	100		
49	122.6	104.9	157.3
51	37.7	31.8	47.8
86	64.9	49.8	74.6



#25
2-Butanone
Concen: 6.906 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

Tgt Ion:	43	Resp:	18161
Ion	Ratio	Lower	Upper
43	100		
72	28.4	21.3	31.9





#29

Tetrahydrofuran

Concen: 0.722 ug/l

RT: 5.064 min Scan# 1158

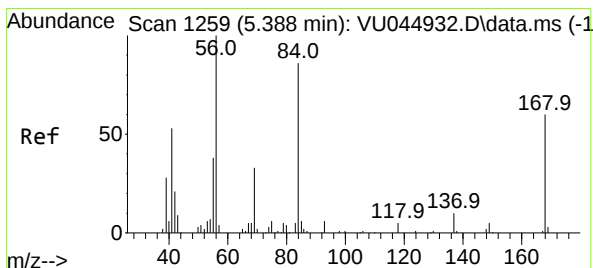
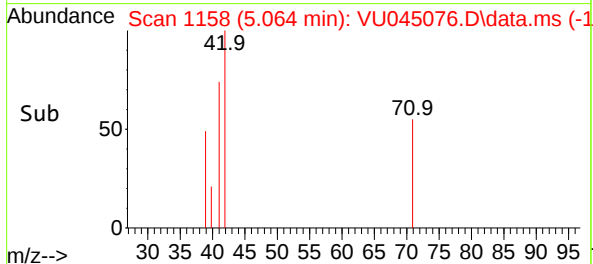
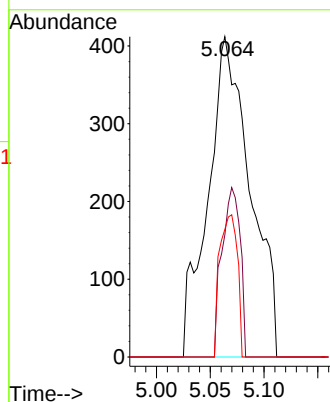
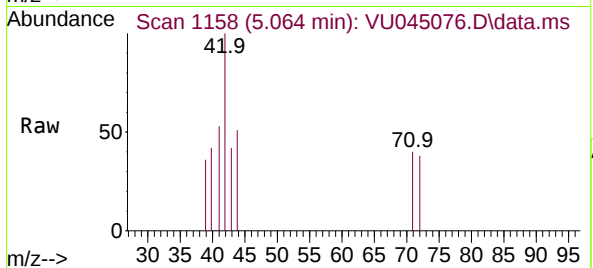
Delta R.T. 0.010 min

Lab File: VU045076.D

Acq: 01 Oct 2021 16:25

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:	42	Resp:	1130
Ion	Ratio	Lower	Upper
42	100		
72	22.7	36.2	54.4#
71	18.5	34.1	51.1#



#31

Cyclohexane

Concen: 1.061 ug/l

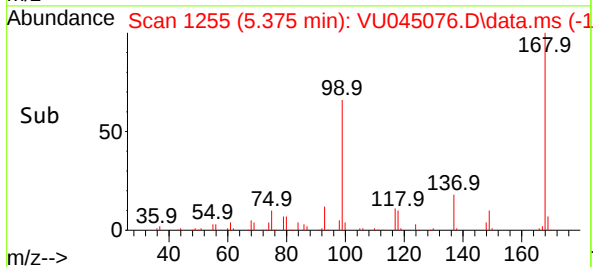
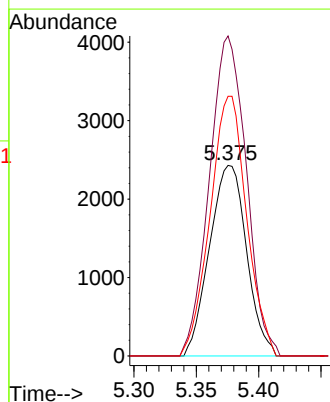
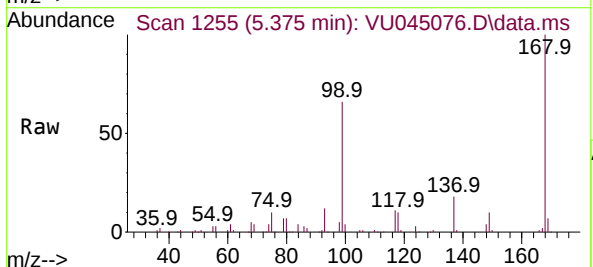
RT: 5.375 min Scan# 1255

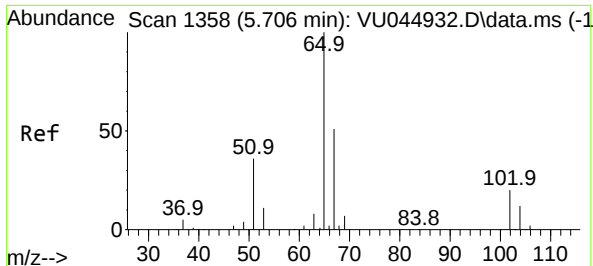
Delta R.T. -0.013 min

Lab File: VU045076.D

Acq: 01 Oct 2021 16:25

Tgt Ion:	56	Resp:	5026
Ion	Ratio	Lower	Upper
56	100		
69	167.9	25.2	37.8#
84	136.3	66.4	99.6#



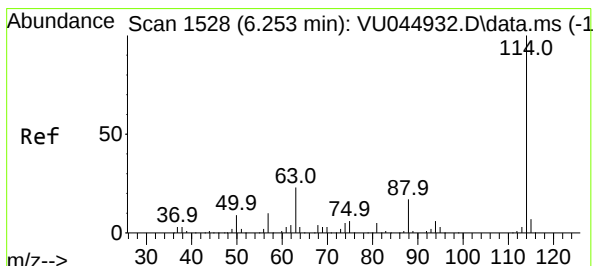
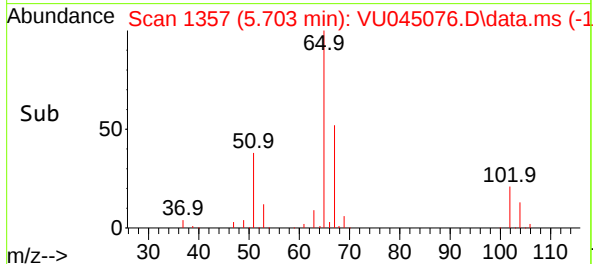
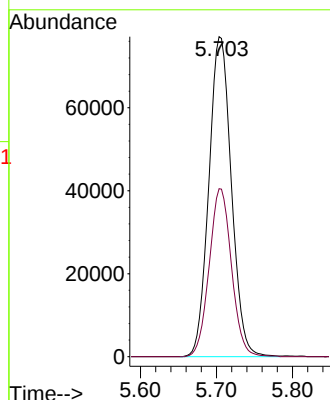
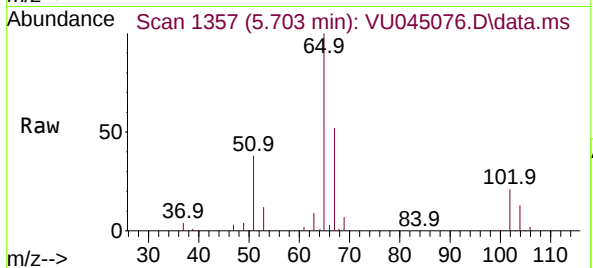


#33

1,2-Dichloroethane-d4
Concen: 50.869 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

Instrument :
MSVOA_U
ClientSampled :

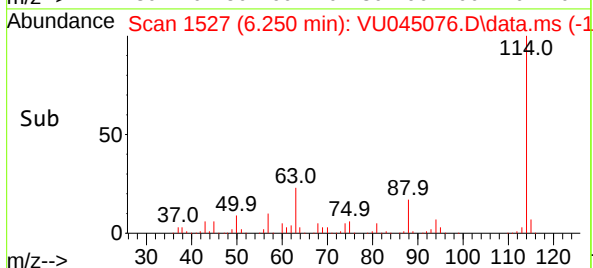
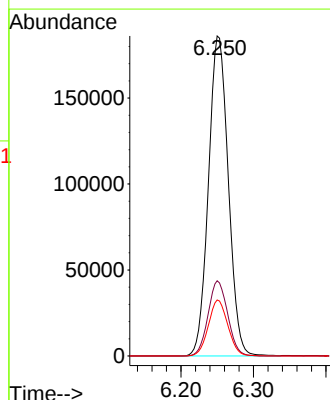
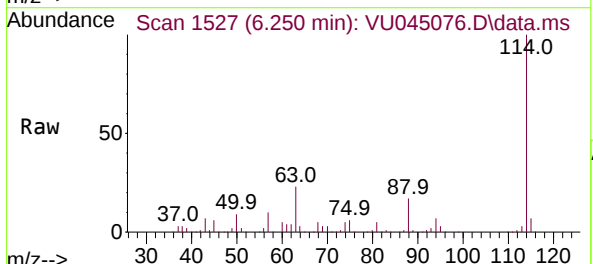
Tgt Ion: 65 Resp: 158618
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8

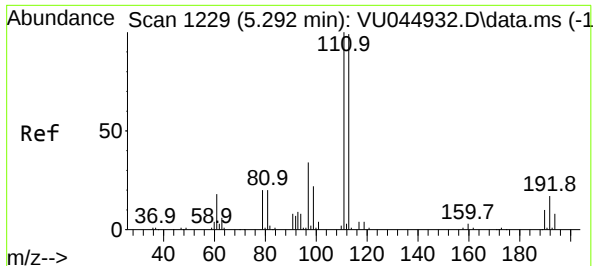


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.003 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

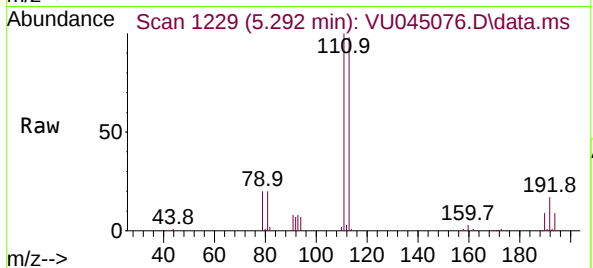
Tgt Ion: 114 Resp: 353756
Ion Ratio Lower Upper
114 100
63 23.5 0.0 47.8
88 17.5 0.0 32.8



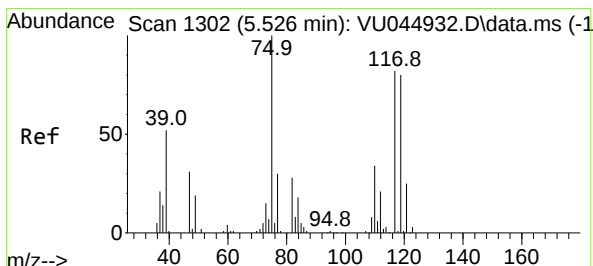
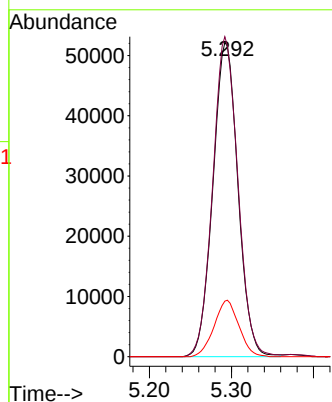
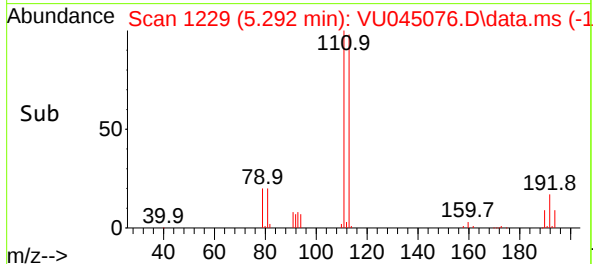


#35
Dibromofluoromethane
Concen: 49.605 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

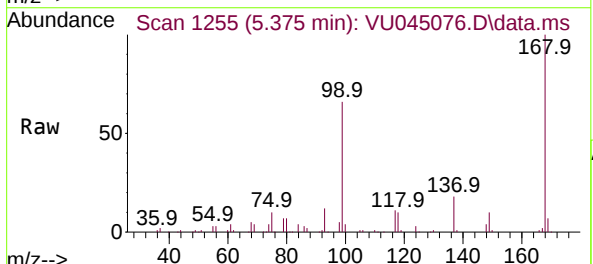
Instrument :
MSVOA_U
ClientSampleId :



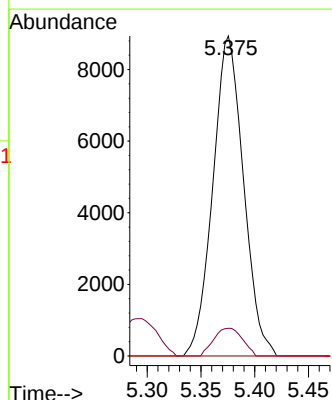
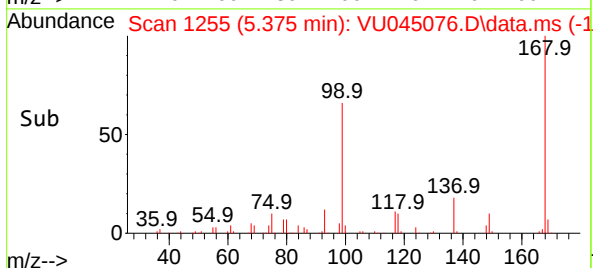
Tgt Ion:113 Resp: 110700
Ion Ratio Lower Upper
113 100
111 102.3 84.1 126.1
192 17.8 14.8 22.2

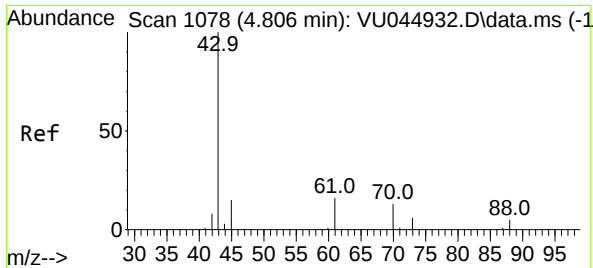


#36
1,1-Dichloropropene
Concen: 4.777 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25



Tgt Ion: 75 Resp: 17673
Ion Ratio Lower Upper
75 100
110 8.1 16.3 48.9#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 3.710 ug/l

RT: 4.716 min Scan# 1050

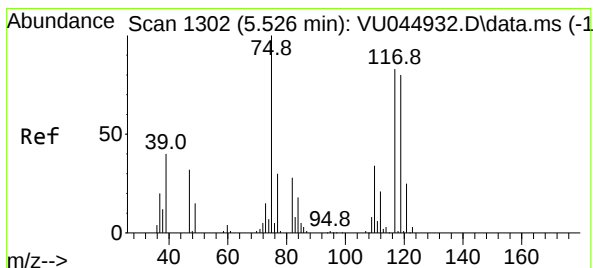
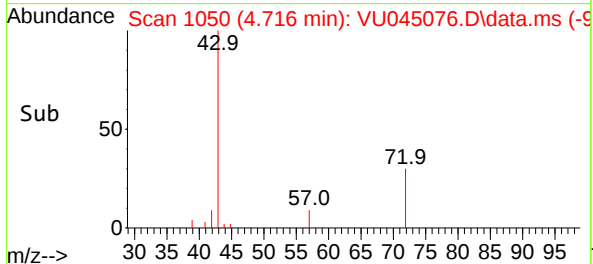
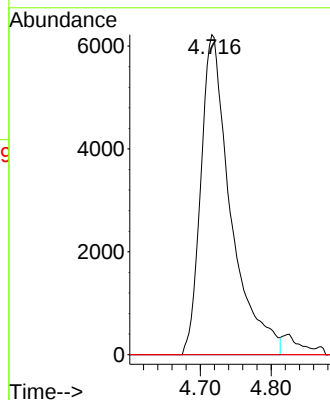
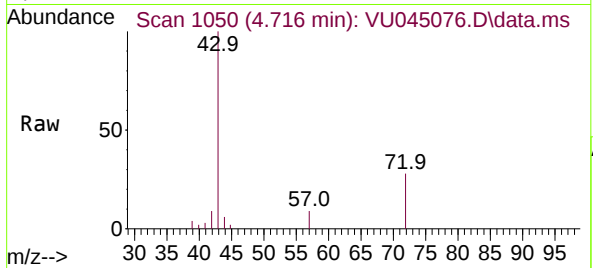
Delta R.T. -0.090 min

Lab File: VU045076.D

Acq: 01 Oct 2021 16:25

Tgt Ion:	43	Resp:	18161
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	0.0	8.2	12.4#

Instrument :
MSVOA_U
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.073 ug/l

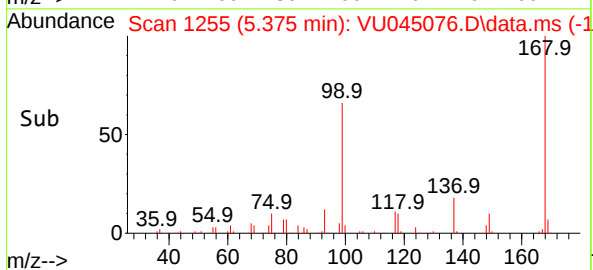
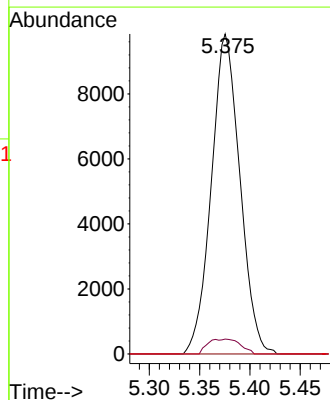
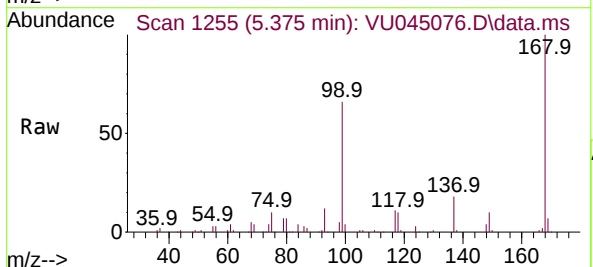
RT: 5.375 min Scan# 1255

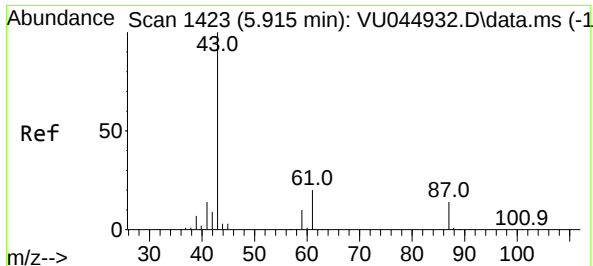
Delta R.T. -0.151 min

Lab File: VU045076.D

Acq: 01 Oct 2021 16:25

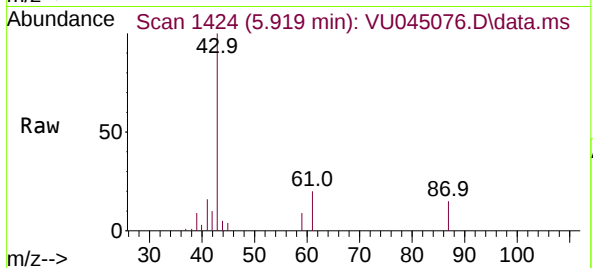
Tgt Ion:	117	Resp:	19442
Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.4	116.2#
121	0.0	24.5	36.7#



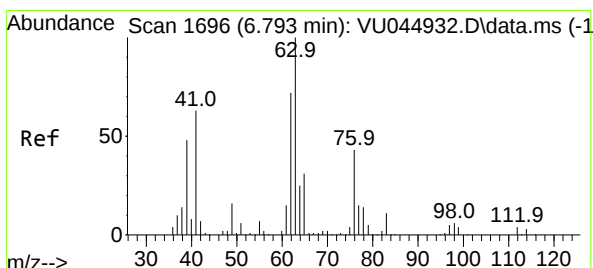
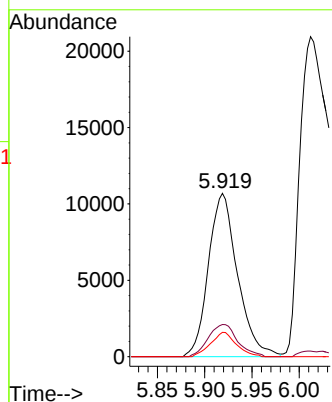
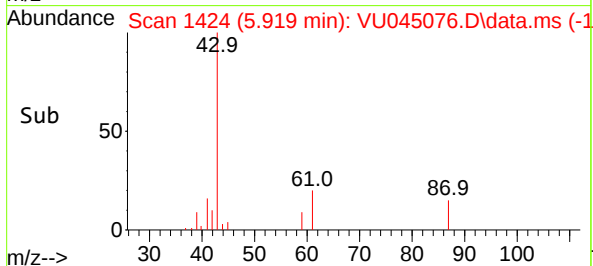


#43
Isopropyl Acetate
Concen: 3.112 ug/l
RT: 5.919 min Scan# 1424
Delta R.T. 0.004 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

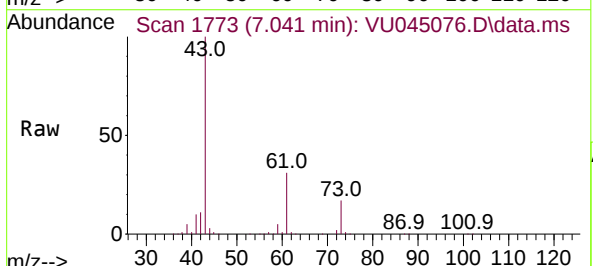
Instrument :
MSVOA_U
ClientSampled :



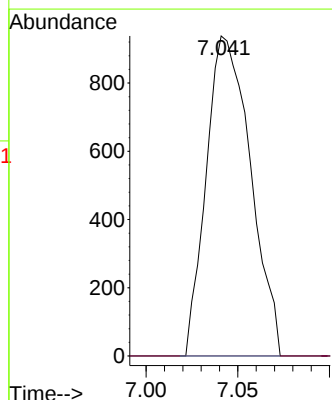
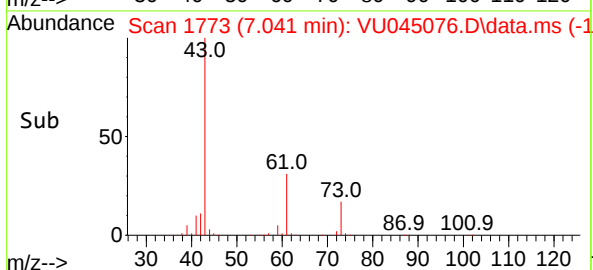
Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	13.1	10.3	15.5

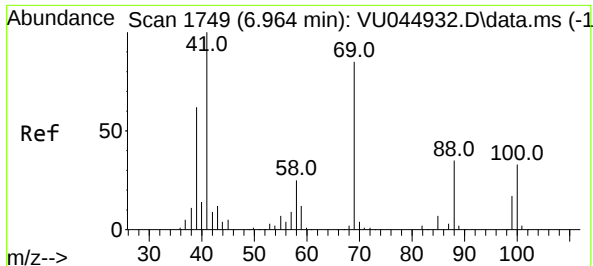


#45
1,2-Dichloropropane
Concen: 0.540 ug/l
RT: 7.041 min Scan# 1773
Delta R.T. 0.248 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25



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

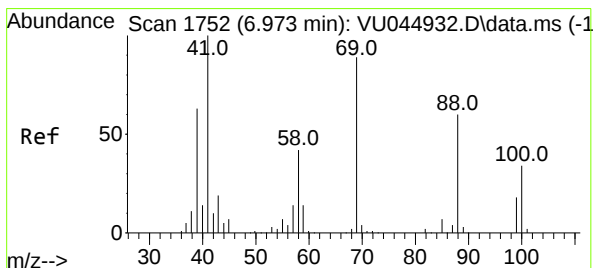
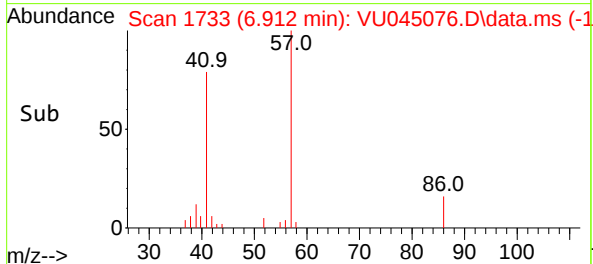
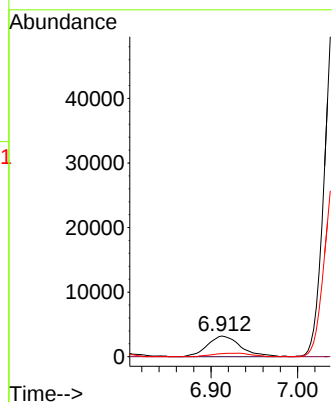
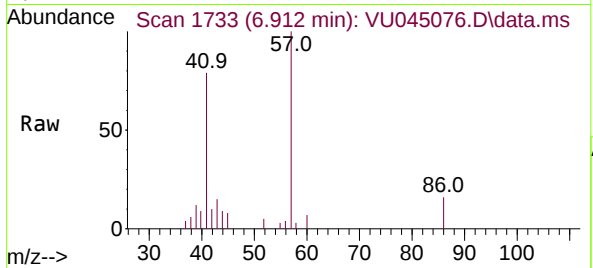




#48
Methyl methacrylate
Concen: 2.377 ug/l
RT: 6.912 min Scan# 1733
Delta R.T. -0.052 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

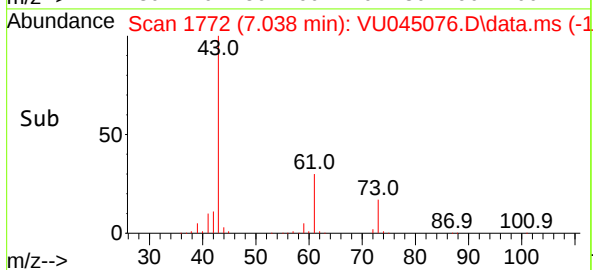
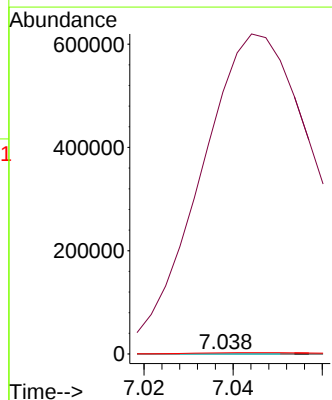
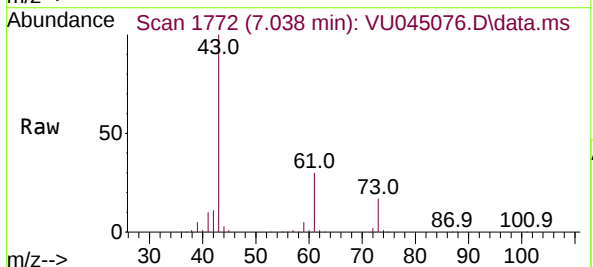
Instrument :
MSVOA_U
ClientSampled :

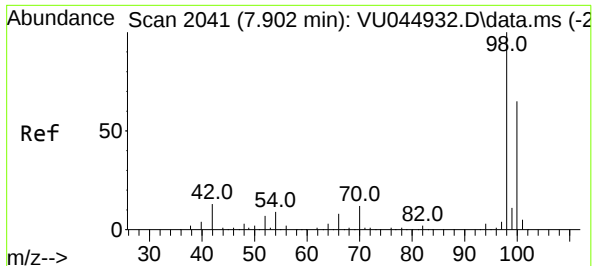
Tgt Ion: 41 Resp: 8520
Ion Ratio Lower Upper
41 100
69 0.0 65.6 98.4#
39 0.0 46.2 69.4#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.038 min Scan# 1772
Delta R.T. 0.065 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 1366872.4 25.8 38.6#
58 6065.5 61.3 91.9#

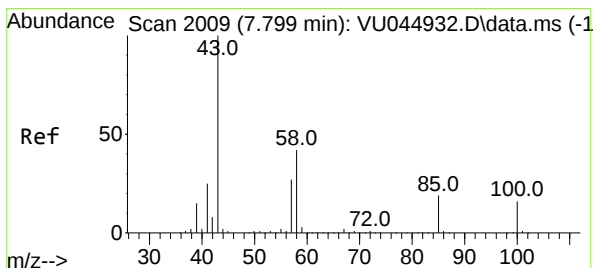
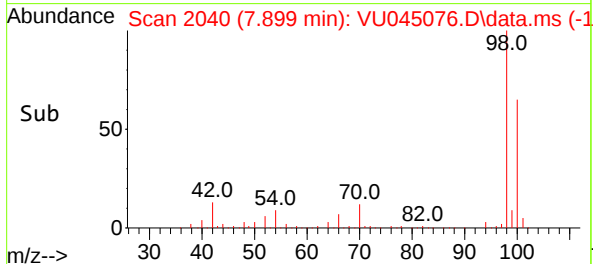
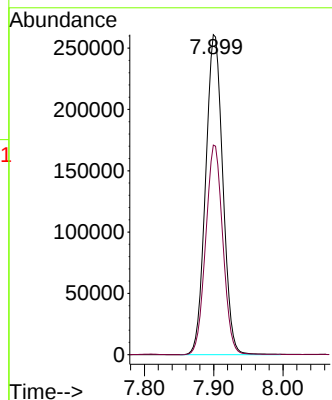
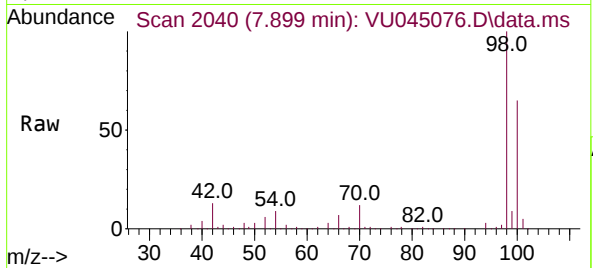




#50
Toluene-d8
Concen: 50.934 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

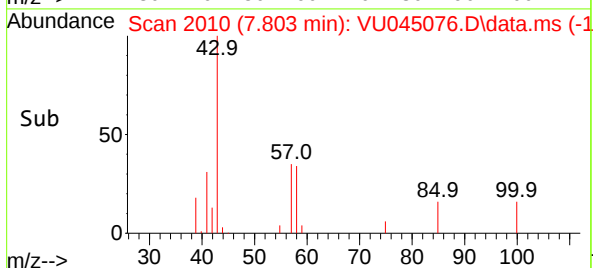
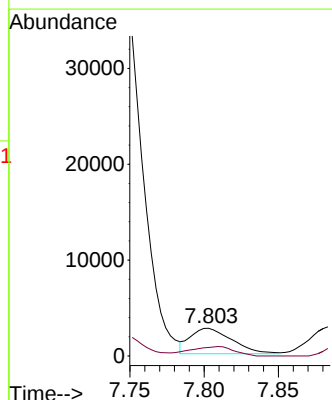
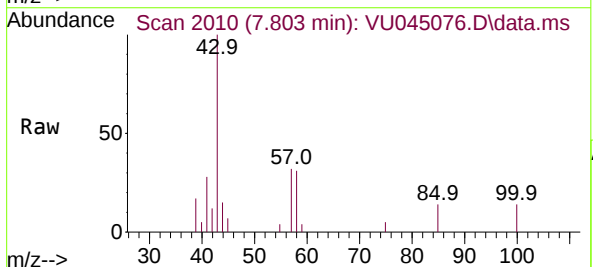
Instrument :
MSVOA_U
ClientSampled :

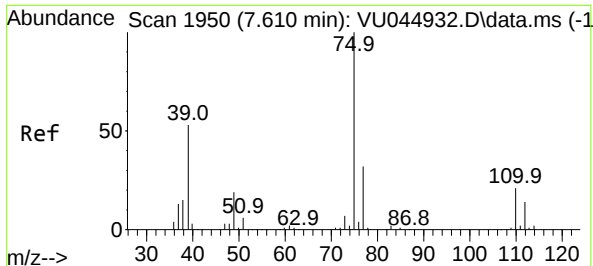
Tgt Ion: 98 Resp: 449112
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.972 ug/l
RT: 7.803 min Scan# 2010
Delta R.T. 0.004 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

Tgt Ion: 43 Resp: 5210
Ion Ratio Lower Upper
43 100
58 38.8 32.4 48.6

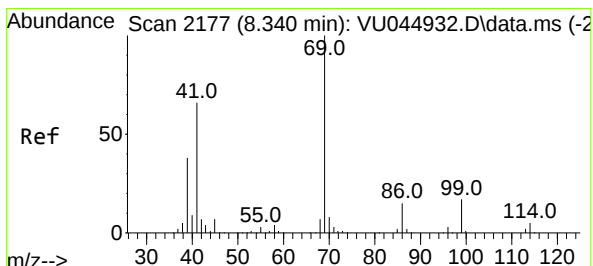
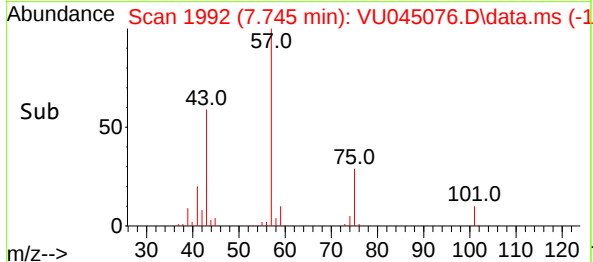
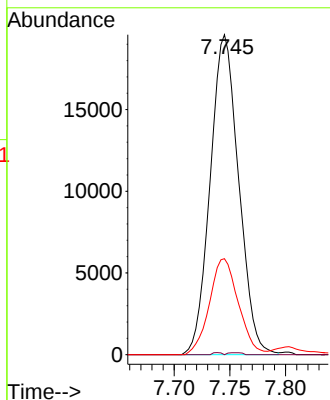
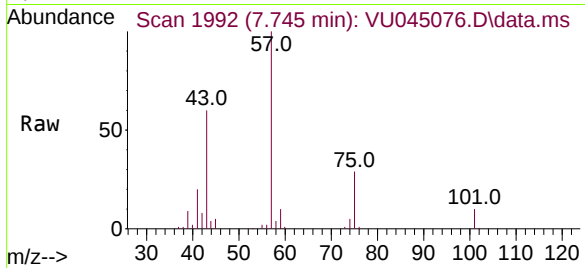




#54
 cis-1,3-Dichloropropene
 Concen: 7.648 ug/l
 RT: 7.745 min Scan# 1992
 Delta R.T. 0.135 min
 Lab File: VU045076.D
 Acq: 01 Oct 2021 16:25

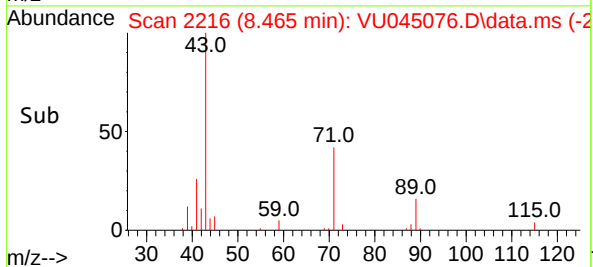
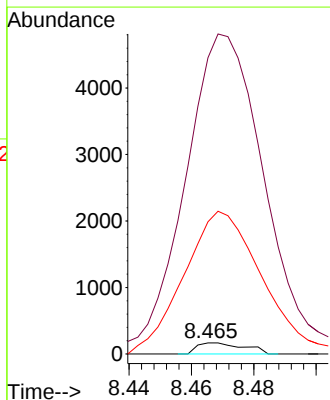
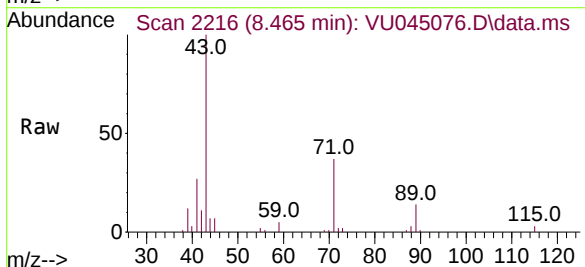
Instrument :
 MSVOA_U
 ClientSampleId :

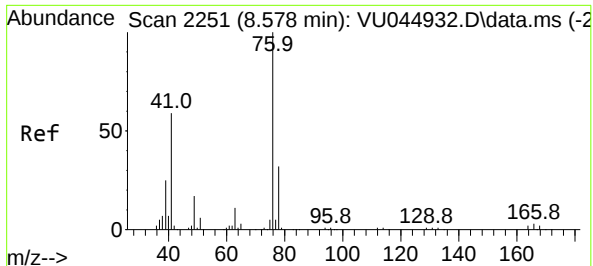
Tgt Ion: 75 Resp: 34809
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 30.0 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.851 ug/l
 RT: 8.465 min Scan# 2216
 Delta R.T. 0.125 min
 Lab File: VU045076.D
 Acq: 01 Oct 2021 16:25

Tgt Ion: 69 Resp: 176
 Ion Ratio Lower Upper
 69 100
 41 4906.8 53.5 80.3#
 39 2119.9 31.1 46.7#



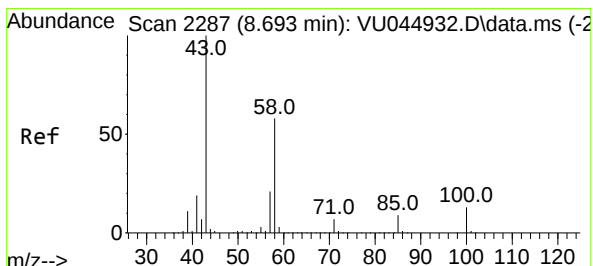
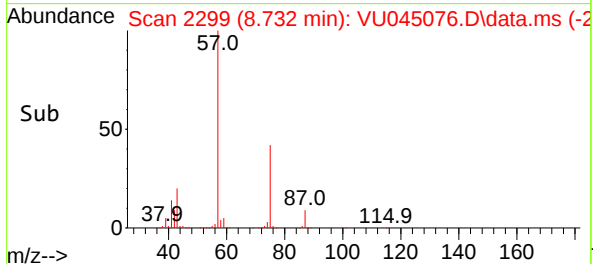
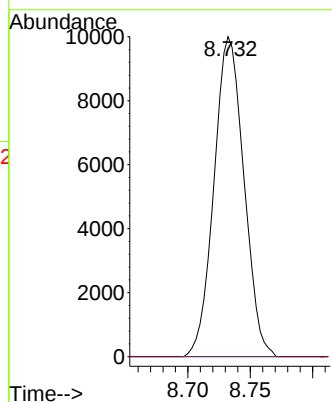
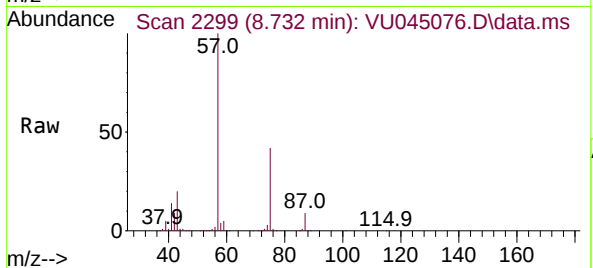


#57

1,3-Dichloropropane
Concen: 3.255 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.154 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

Instrument :
MSVOA_U
ClientSampled :

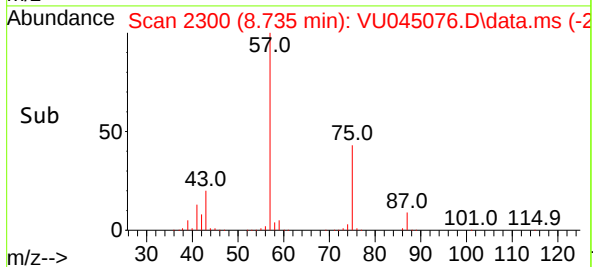
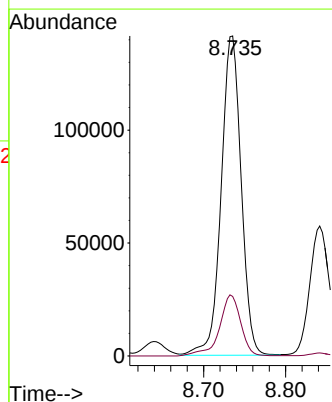
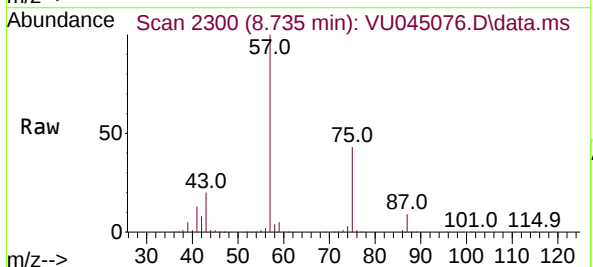
Tgt Ion: 76 Resp: 16694
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

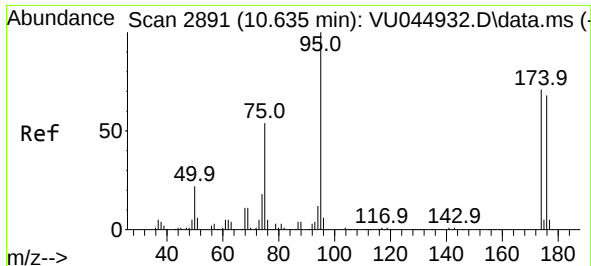


#59

2-Hexanone
Concen: 55.051 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.042 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

Tgt Ion: 43 Resp: 240334
Ion Ratio Lower Upper
43 100
58 20.4 28.0 84.0#

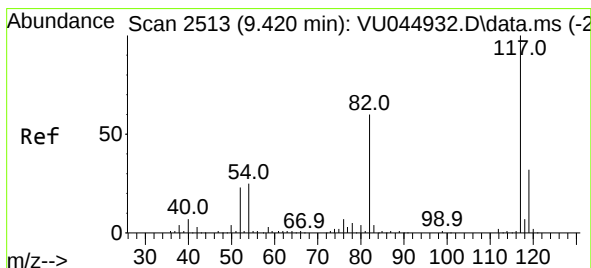
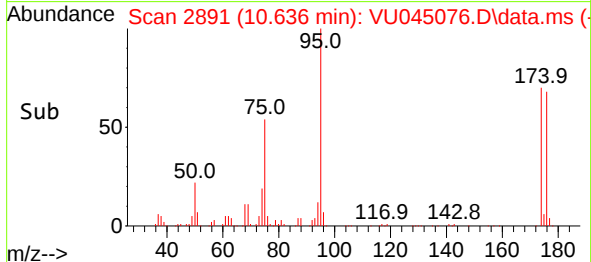
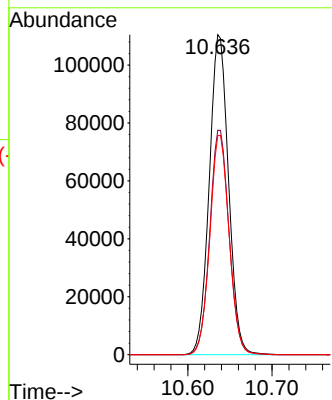
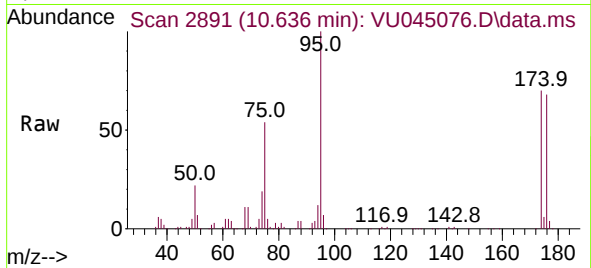




#62
4-Bromofluorobenzene
Concen: 48.239 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

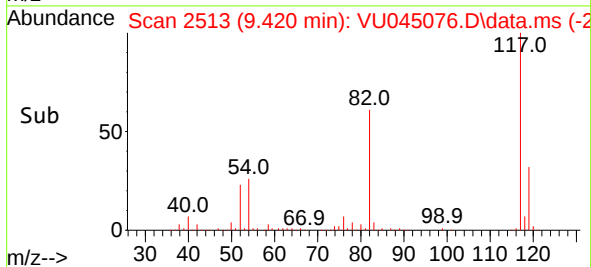
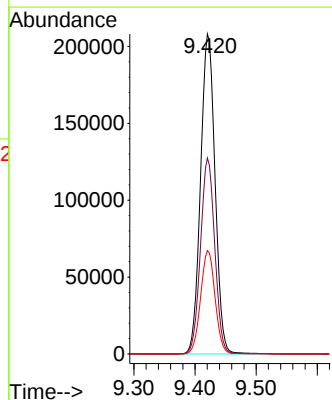
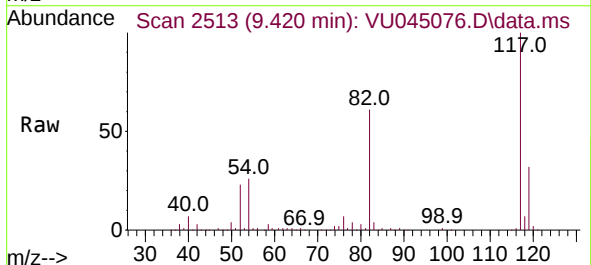
Instrument :
MSVOA_U
ClientSampleId :

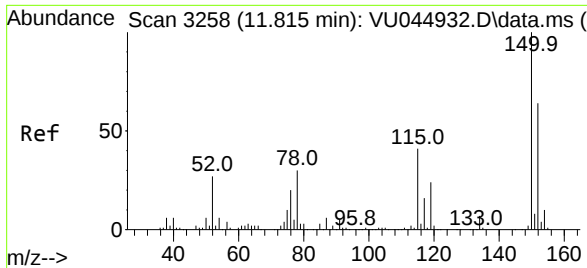
Tgt Ion: 95 Resp: 175605
Ion Ratio Lower Upper
95 100
174 70.3 0.0 146.6
176 68.4 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

Tgt Ion: 117 Resp: 343265
Ion Ratio Lower Upper
117 100
82 61.2 47.8 71.8
119 32.3 25.8 38.6

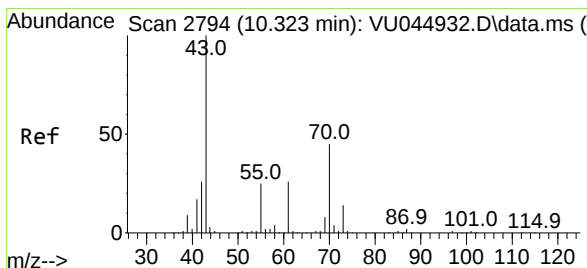
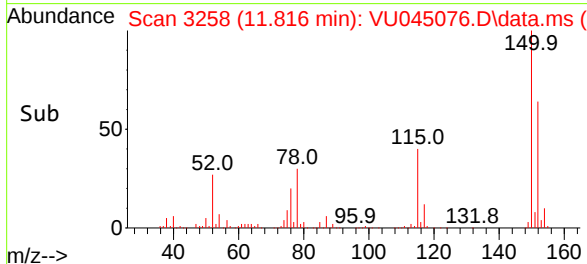
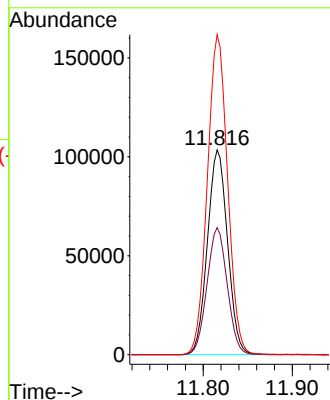
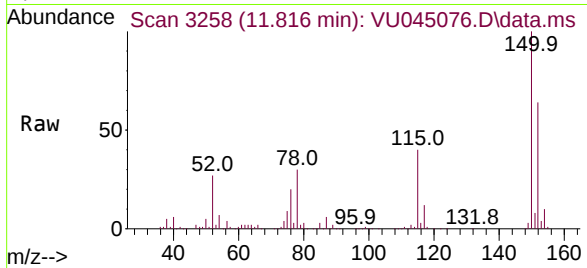




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.816 min Scan# 3258
Delta R.T. 0.001 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

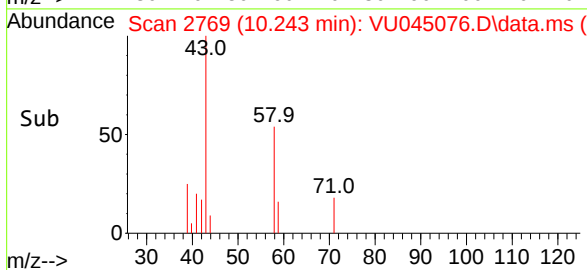
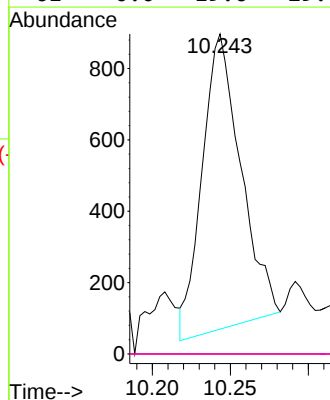
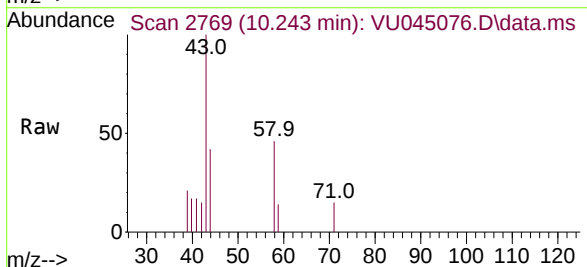
Instrument :
MSVOA_U
ClientSampleId :

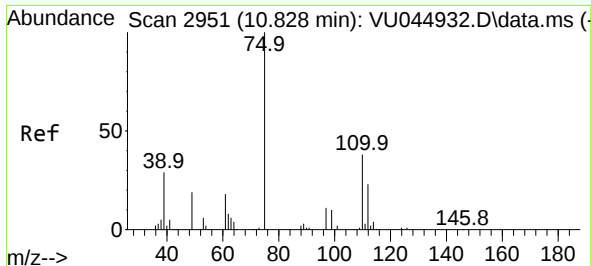
Tgt Ion:152 Resp: 162433
Ion Ratio Lower Upper
152 100
115 62.3 43.5 130.7
150 156.8 0.0 350.0



#74
N-ethyl acetate
Concen: 0.234 ug/l
RT: 10.243 min Scan# 2769
Delta R.T. -0.080 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

Tgt Ion: 43 Resp: 1426
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#

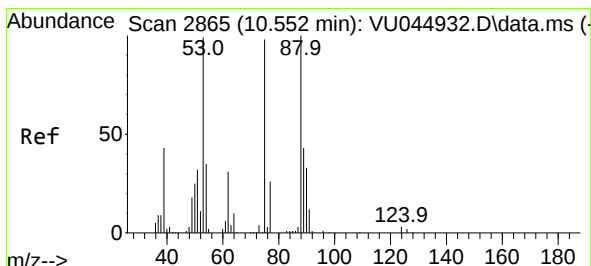
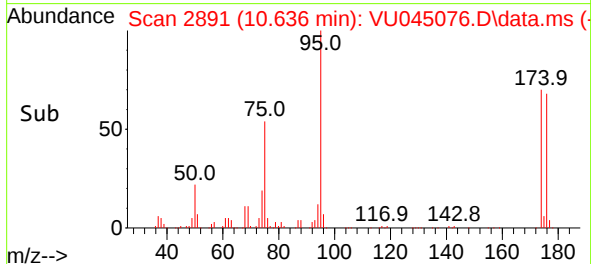
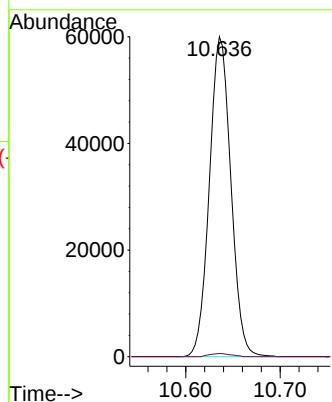
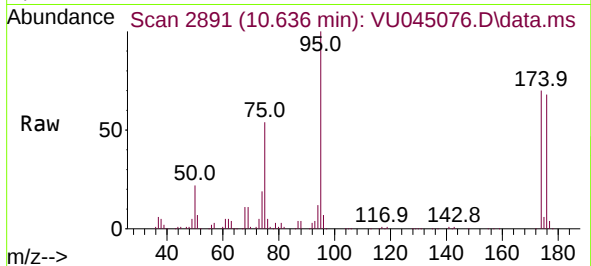




#76
1,2,3-Trichloropropane
Concen: 19.987 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. -0.192 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 75 Resp: 94698
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.469 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.084 min
Lab File: VU045076.D
Acq: 01 Oct 2021 16:25

Tgt Ion: 75 Resp: 94698
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

