

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100121\
 Data File : VU045073.D
 Acq On : 01 Oct 2021 15:15
 Operator : SY/MD
 Sample : PB139508ZHE#04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 02 03:11:48 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

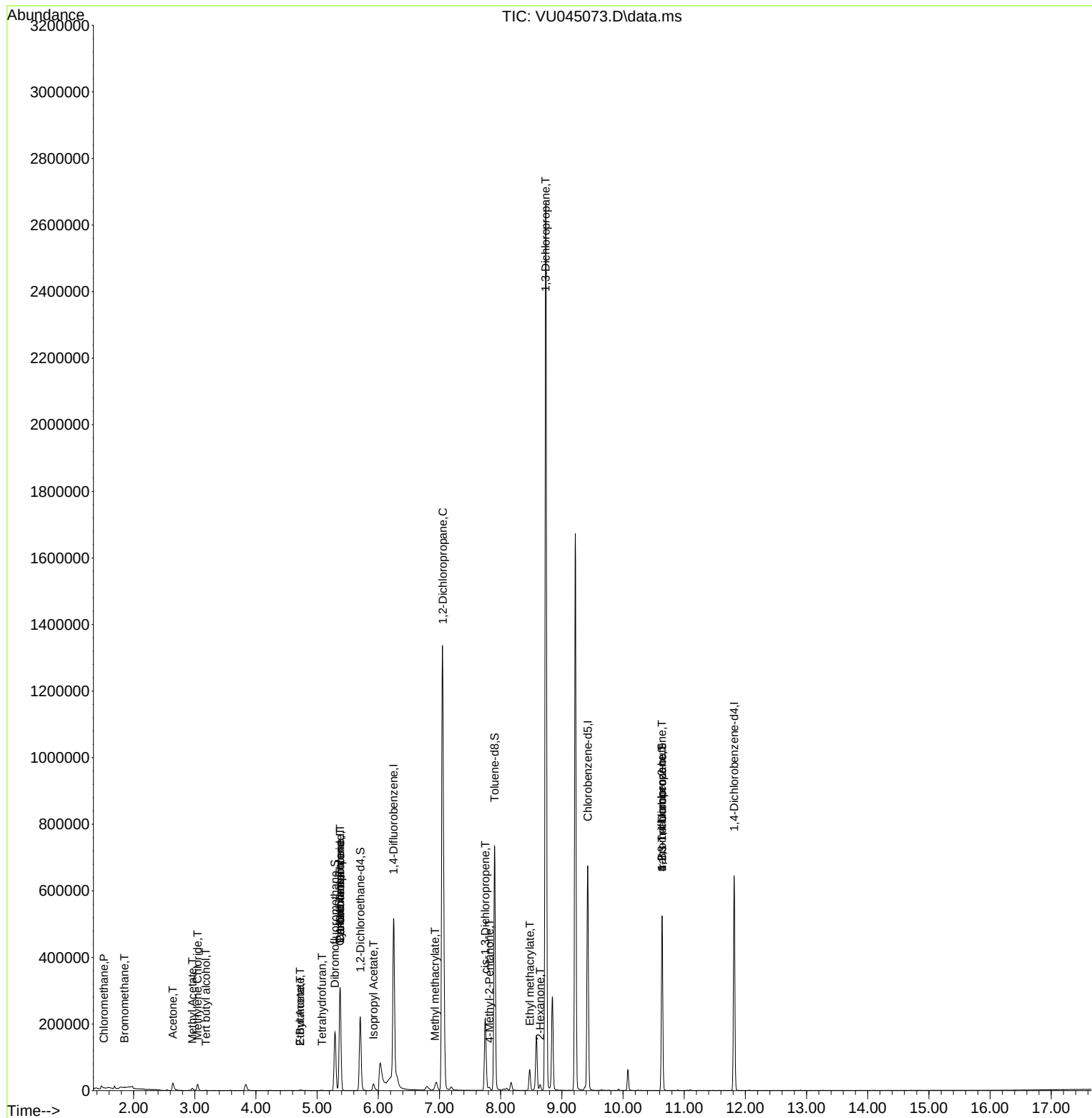
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.375	168	202254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	376633	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	360080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	156026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	167684	49.806	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.620%
35) Dibromofluoromethane	5.292	113	113605	47.815	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.640%
50) Toluene-d8	7.902	98	474052	50.497	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.000%
62) 4-Bromofluorobenzene	10.639	95	175954	45.399	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.517	50	1037	0.320	ug/l #	87
5) Bromomethane	1.851	94	429	0.338	ug/l	98
11) Tert butyl alcohol	3.182	59	551	0.570	ug/l #	72
16) Acetone	2.642	43	34451	17.239	ug/l	99
18) Methyl Acetate	2.961	43	9067	1.552	ug/l	100
20) Methylene Chloride	3.044	84	9264	3.078	ug/l	96
25) 2-Butanone	4.723	43	4262	1.501	ug/l	100
29) Tetrahydrofuran	5.079	42	959	0.567	ug/l #	69
31) Cyclohexane	5.372	56	5322	1.041	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	19283	4.896	ug/l #	50
37) Ethyl Acetate	4.723	43	4262	0.818	ug/l #	69
38) Carbon Tetrachloride	5.375	117	21475	6.301	ug/l #	15
43) Isopropyl Acetate	5.922	43	26647	3.399	ug/l	99
45) 1,2-Dichloropropane	7.054	63	1967	0.632	ug/l #	45
48) Methyl methacrylate	6.928	41	8992	2.356	ug/l #	14
49) 1,4-Dioxane	7.047	88	43	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.816	43	6445	1.129	ug/l	88
54) cis-1,3-Dichloropropene	7.748	75	46642	9.626	ug/l #	60
56) Ethyl methacrylate	8.478	69	182	1.850	ug/l #	1
57) 1,3-Dichloropropane	8.735	76	29449	5.394	ug/l #	43
59) 2-Hexanone	8.645	43	15031	3.234	ug/l #	23
76) 1,2,3-Trichloropropane	10.639	75	94836	20.839	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.639	75	94836	57.830	ug/l #	9

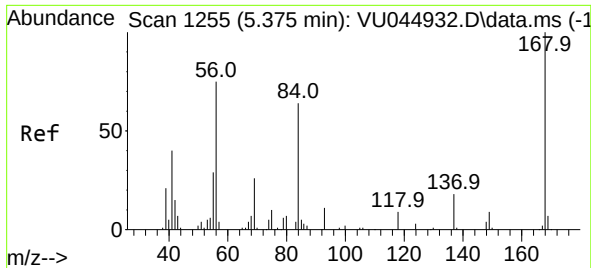
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

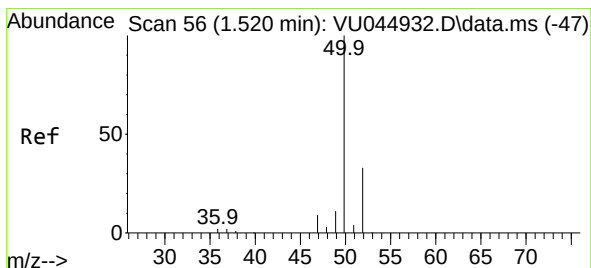
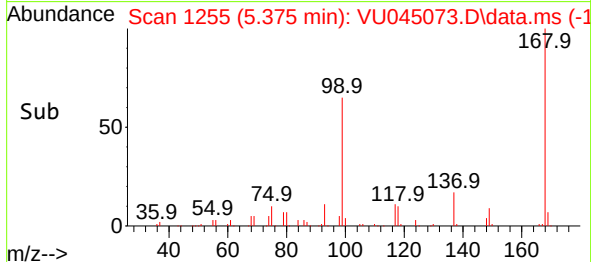
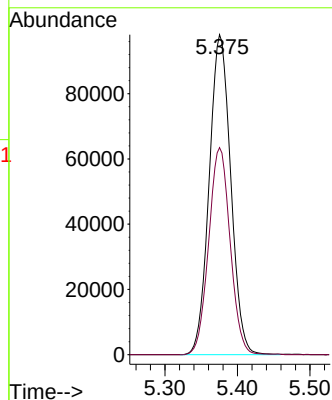
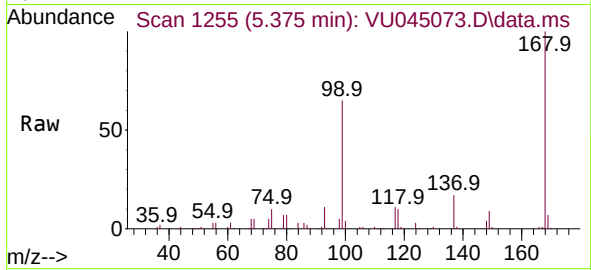




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

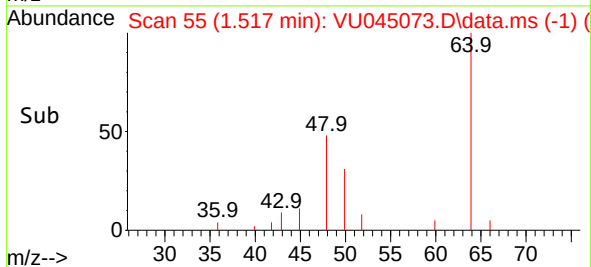
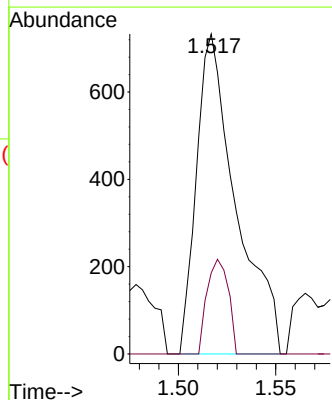
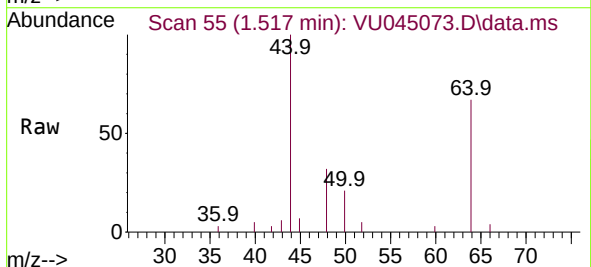
Instrument :
MSVOA_U
ClientSampled :

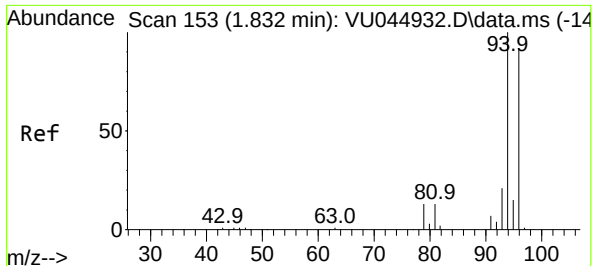
Tgt Ion:168 Resp: 202254
Ion Ratio Lower Upper
168 100
99 64.7 51.4 77.0



#3
Chloromethane
Concen: 0.320 ug/l
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

Tgt Ion: 50 Resp: 1037
Ion Ratio Lower Upper
50 100
52 25.4 26.3 39.5#

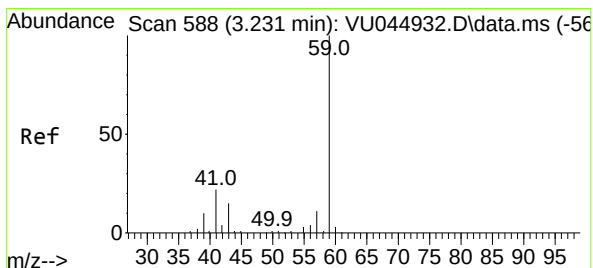
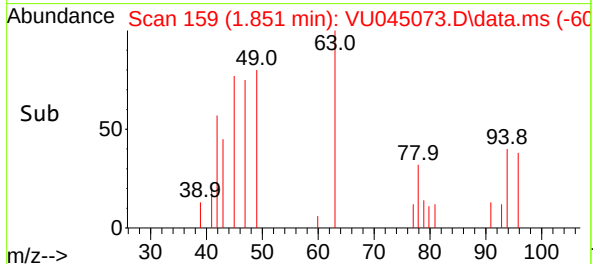
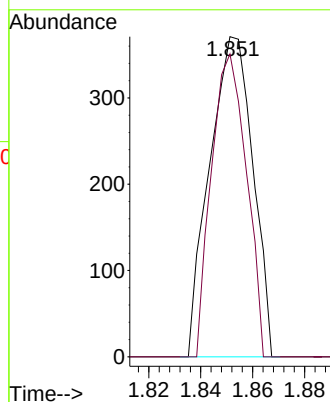
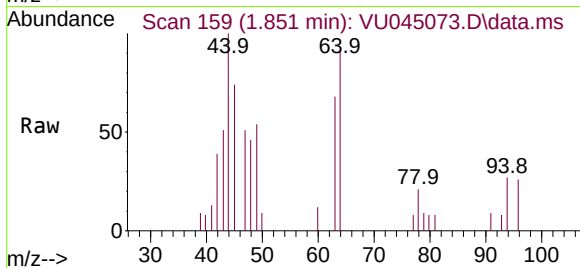




#5
Bromomethane
Concen: 0.338 ug/l
RT: 1.851 min Scan# 159
Delta R.T. 0.019 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

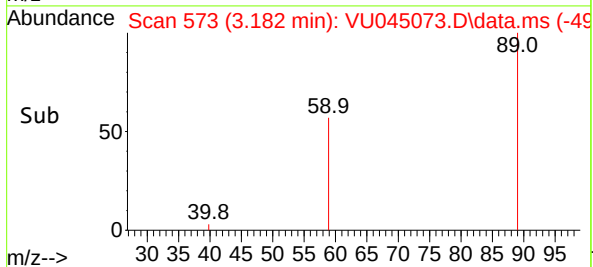
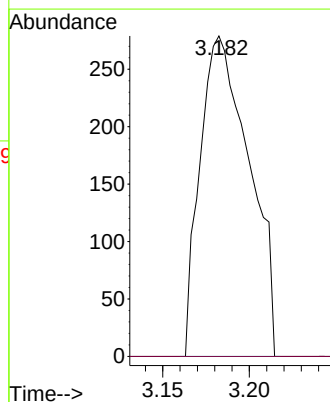
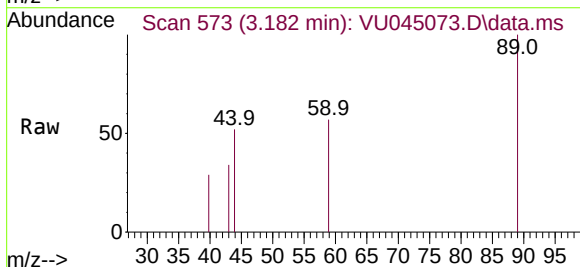
Instrument :
MSVOA_U
ClientSampleId :

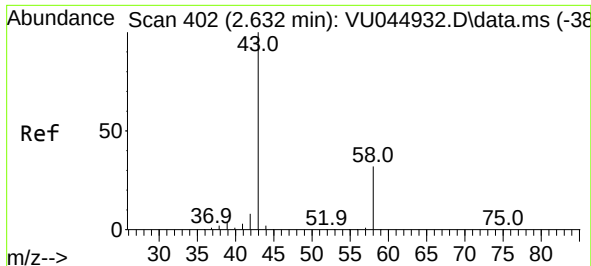
Tgt Ion: 94 Resp: 429
Ion Ratio Lower Upper
94 100
96 94.6 74.5 111.7



#11
Tert butyl alcohol
Concen: 0.570 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.049 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

Tgt Ion: 59 Resp: 551
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

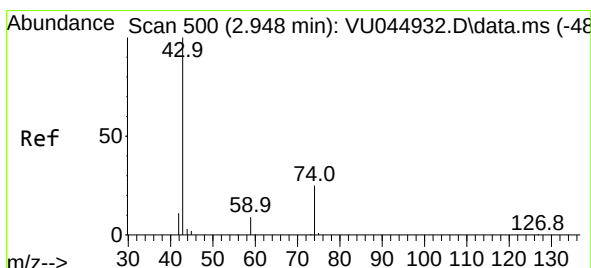
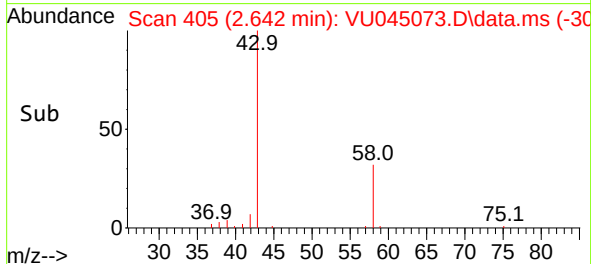
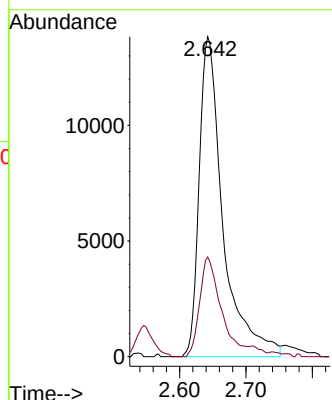
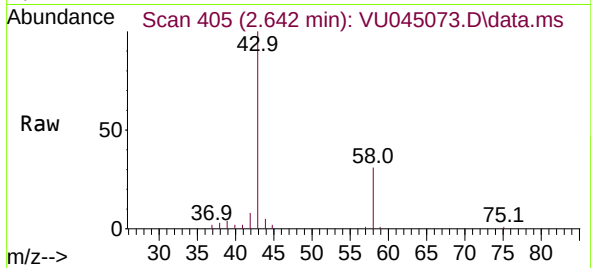




#16
Acetone
Concen: 17.239 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.010 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

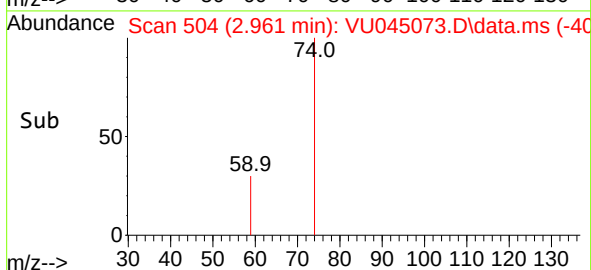
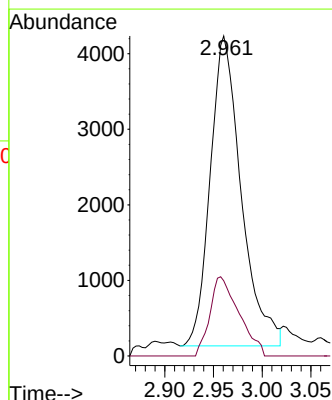
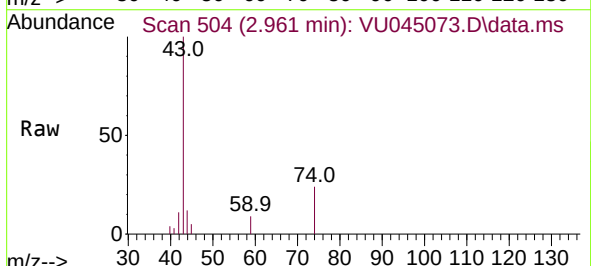
Instrument :
MSVOA_U
ClientSampled :

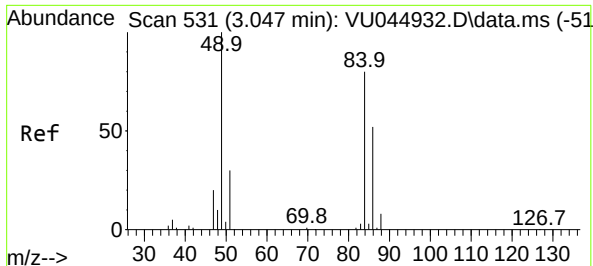
Tgt Ion: 43 Resp: 34451
Ion Ratio Lower Upper
43 100
58 31.1 25.2 37.8



#18
Methyl Acetate
Concen: 1.552 ug/l
RT: 2.961 min Scan# 504
Delta R.T. 0.013 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

Tgt Ion: 43 Resp: 9067
Ion Ratio Lower Upper
43 100
74 23.9 19.0 28.6

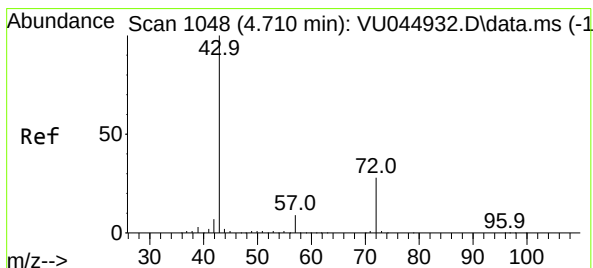
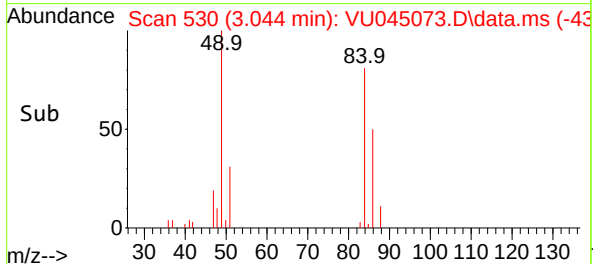
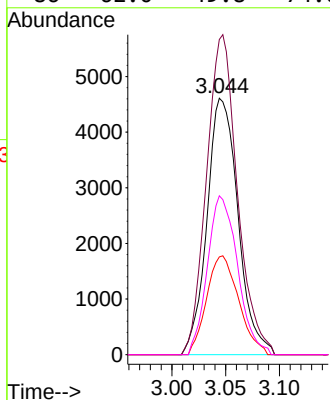
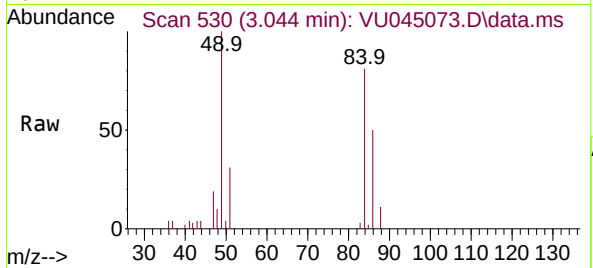




#20
Methylene Chloride
Concen: 3.078 ug/l
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

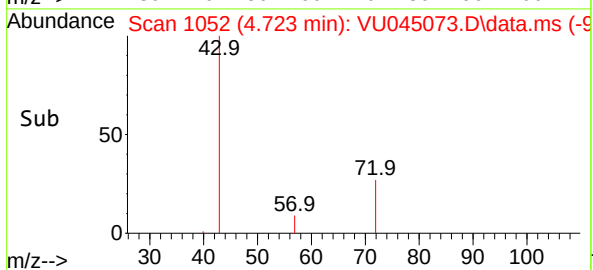
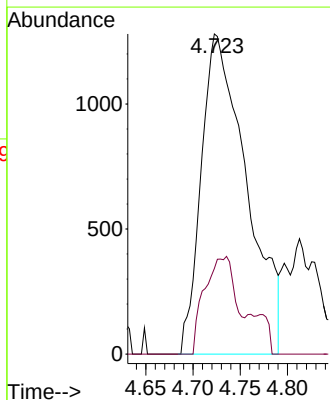
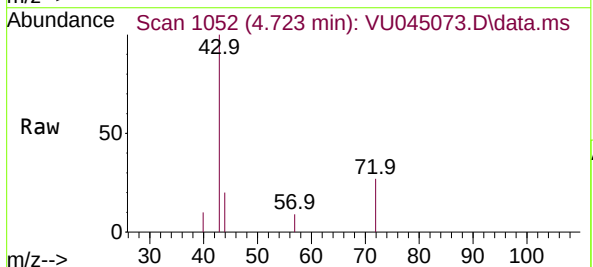
Instrument :
MSVOA_U
ClientSampleId :

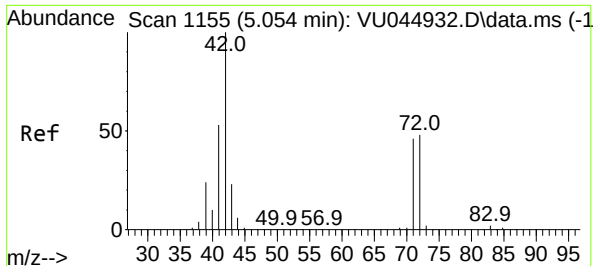
Tgt Ion:	84	Resp:	9264
Ion	Ratio	Lower	Upper
84	100		
49	123.0	104.9	157.3
51	38.1	31.8	47.8
86	62.0	49.8	74.6



#25
2-Butanone
Concen: 1.501 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.013 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

Tgt Ion:	43	Resp:	4262
Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.3	31.9





#29

Tetrahydrofuran

Concen: 0.567 ug/l

RT: 5.079 min Scan# 1163

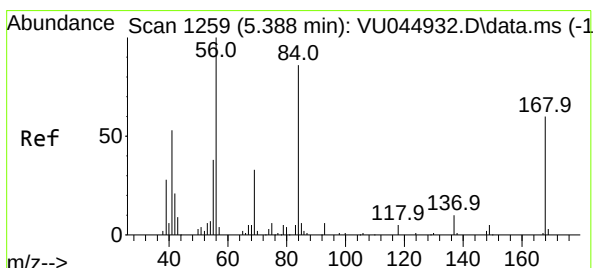
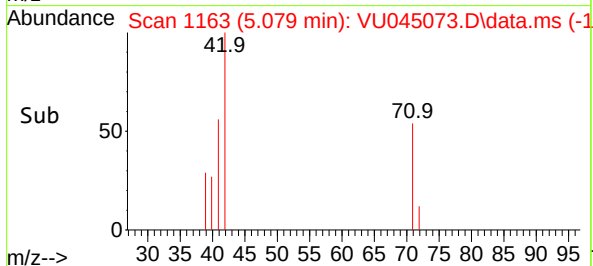
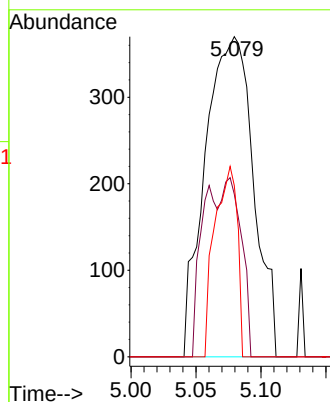
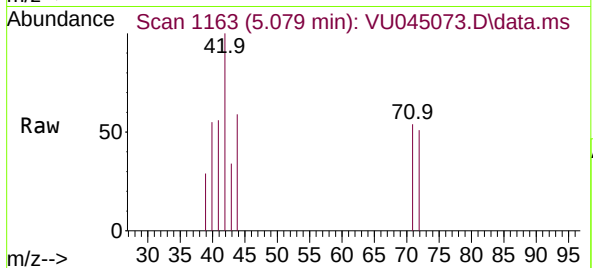
Delta R.T. 0.025 min

Lab File: VU045073.D

Acq: 01 Oct 2021 15:15

Tgt Ion:	42	Resp:	959
Ion	Ratio	Lower	Upper
42	100		
72	19.8	36.2	54.4#
71	27.6	34.1	51.1#

Instrument :
MSVOA_U
ClientSampleId :



#31

Cyclohexane

Concen: 1.041 ug/l

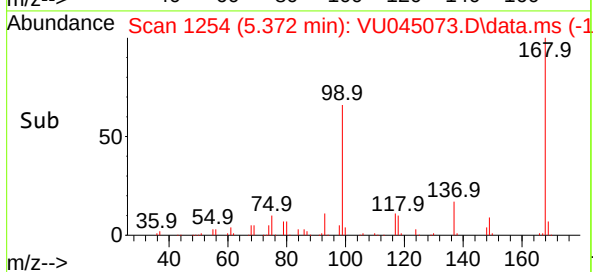
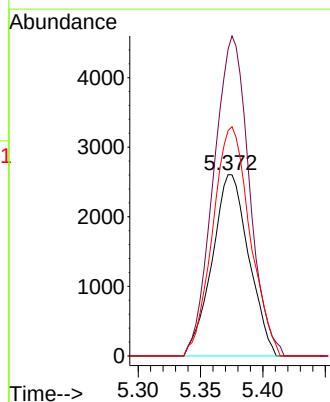
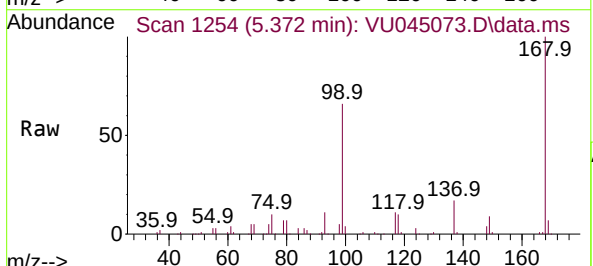
RT: 5.372 min Scan# 1254

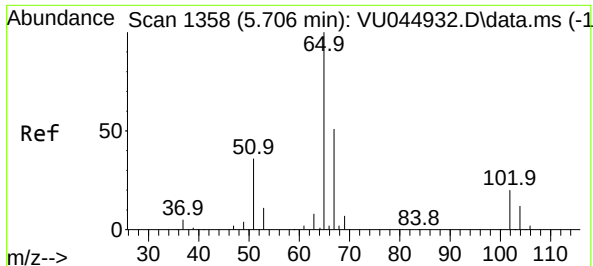
Delta R.T. -0.016 min

Lab File: VU045073.D

Acq: 01 Oct 2021 15:15

Tgt Ion:	56	Resp:	5322
Ion	Ratio	Lower	Upper
56	100		
69	169.1	25.2	37.8#
84	124.3	66.4	99.6#



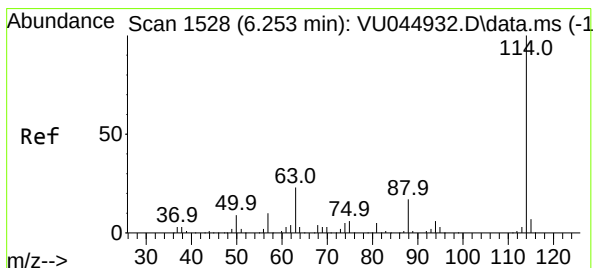
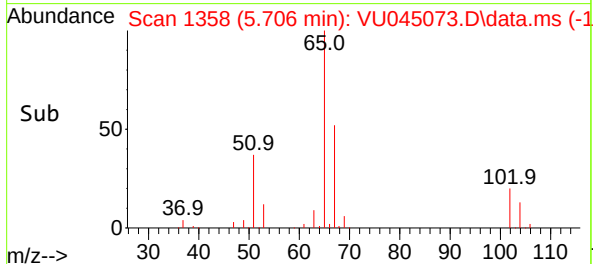
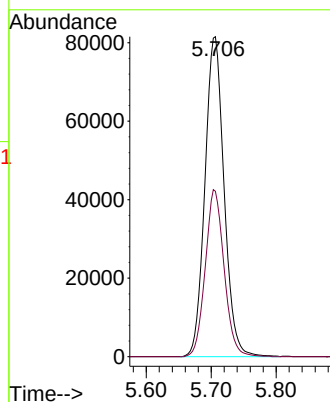
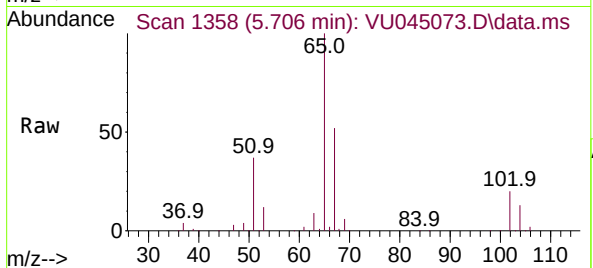


#33

1,2-Dichloroethane-d4
Concen: 49.806 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

Instrument :
MSVOA_U
ClientSampled :

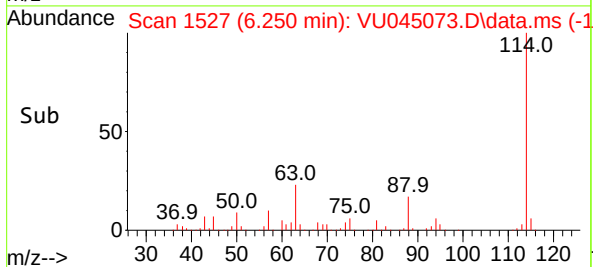
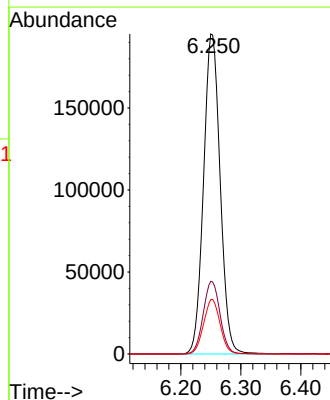
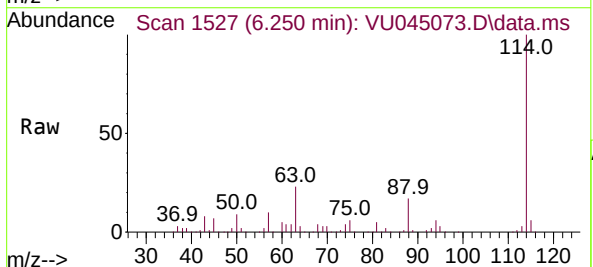
Tgt Ion: 65 Resp: 167684
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.8

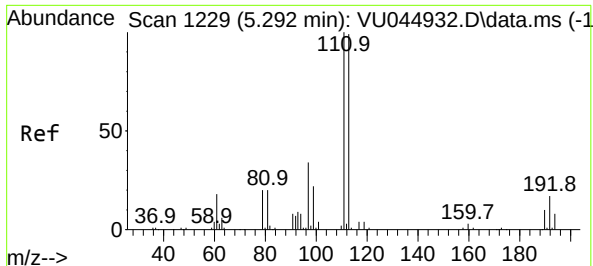


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.250 min Scan# 1527
Delta R.T. -0.003 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

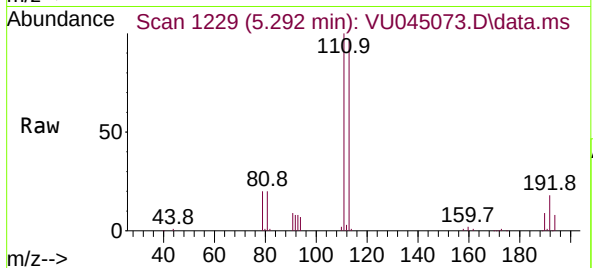
Tgt Ion: 114 Resp: 376633
Ion Ratio Lower Upper
114 100
63 22.7 0.0 47.8
88 17.0 0.0 32.8



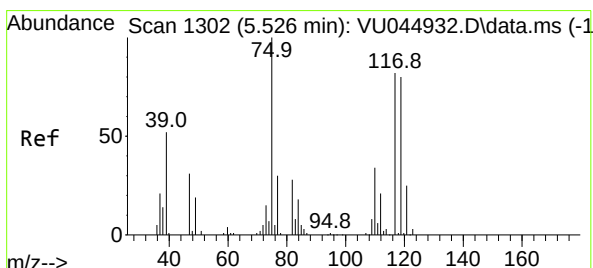
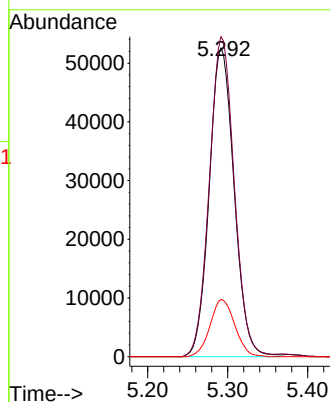
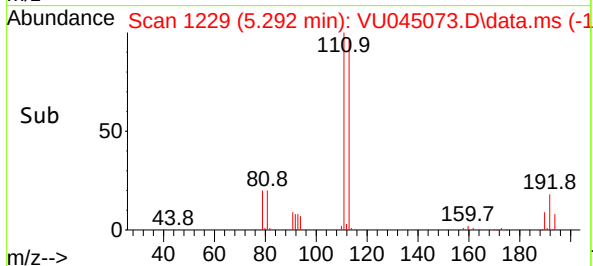


#35
Dibromofluoromethane
Concen: 47.815 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

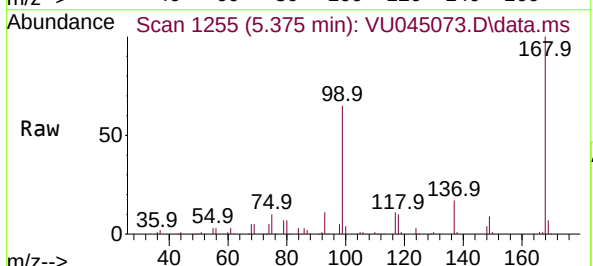
Instrument :
MSVOA_U
ClientSampleId :



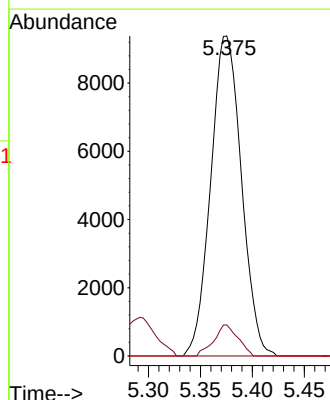
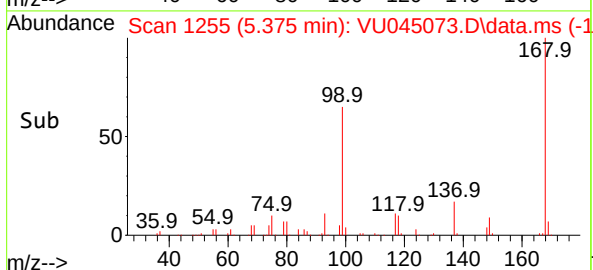
Tgt Ion:113 Resp: 113605
Ion Ratio Lower Upper
113 100
111 103.6 84.1 126.1
192 18.4 14.8 22.2

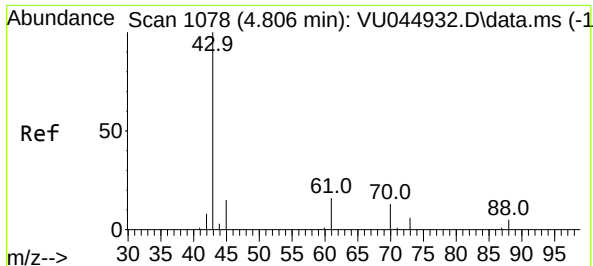


#36
1,1-Dichloropropene
Concen: 4.896 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15



Tgt Ion: 75 Resp: 19283
Ion Ratio Lower Upper
75 100
110 7.6 16.3 48.9#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.818 ug/l

RT: 4.723 min Scan# 1052

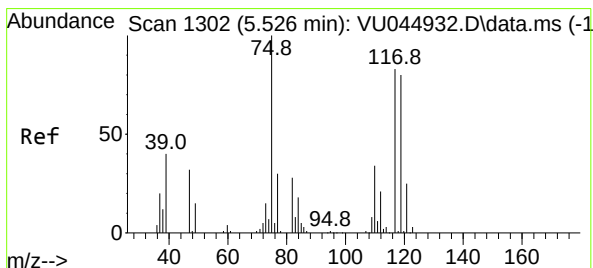
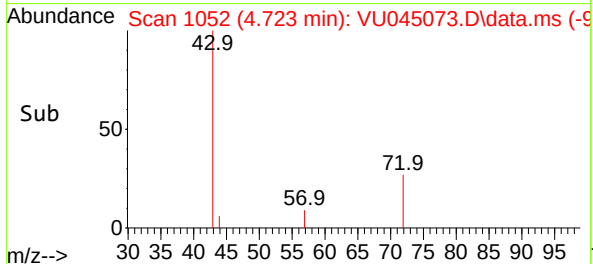
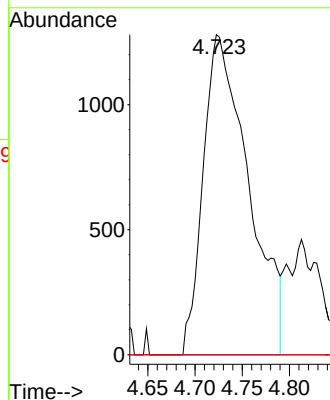
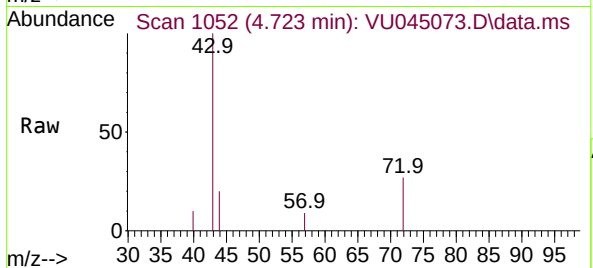
Delta R.T. -0.083 min

Lab File: VU045073.D

Acq: 01 Oct 2021 15:15

Tgt Ion:	43	Resp:	4262
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: 6.301 ug/l

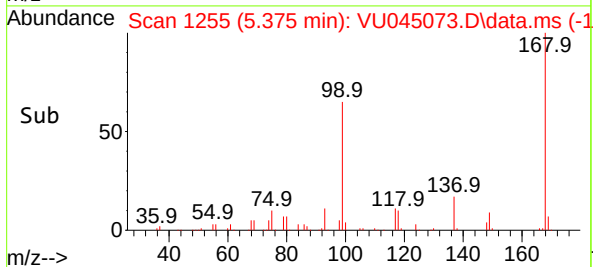
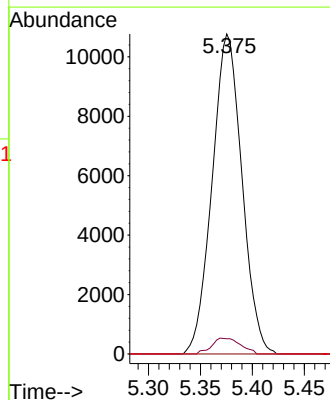
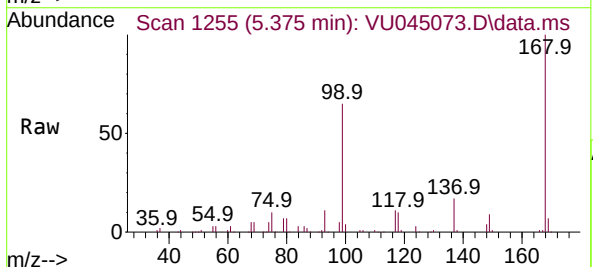
RT: 5.375 min Scan# 1255

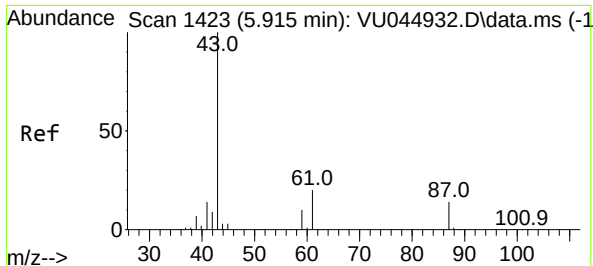
Delta R.T. -0.151 min

Lab File: VU045073.D

Acq: 01 Oct 2021 15:15

Tgt Ion:	117	Resp:	21475
Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.4	116.2#
121	0.0	24.5	36.7#



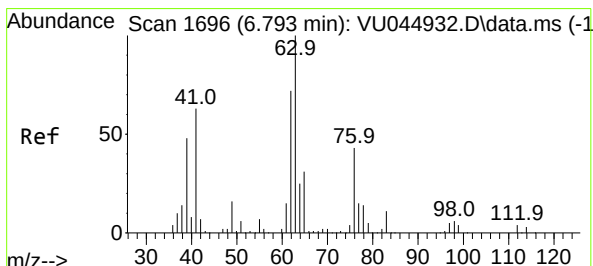
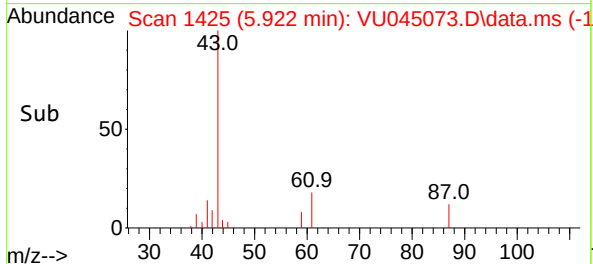
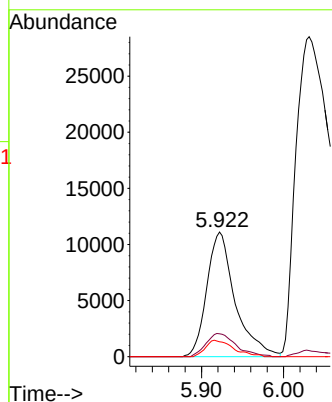
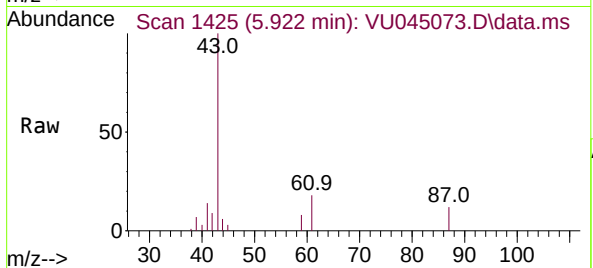


#43

Isopropyl Acetate
 Concen: 3.399 ug/l
 RT: 5.922 min Scan# 1425
 Delta R.T. 0.007 min
 Lab File: VU045073.D
 Acq: 01 Oct 2021 15:15

Instrument :
 MSVOA_U
 ClientSampled :

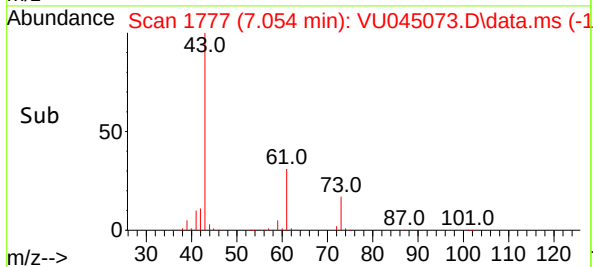
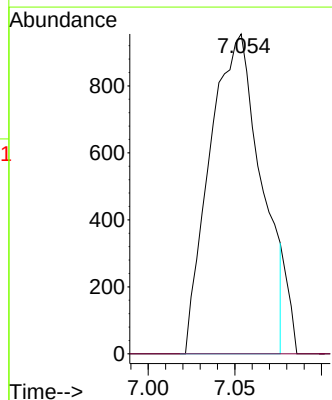
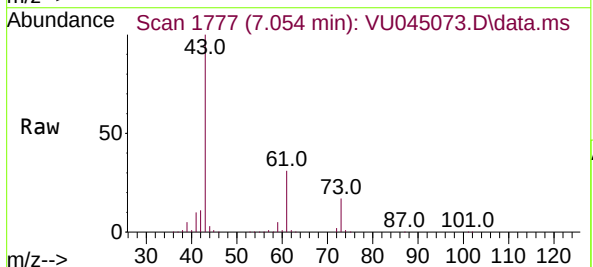
Tgt Ion:	43	Resp:	26647
Ion	Ratio	Lower	Upper
43	100		
61	19.8	16.1	24.1
87	13.0	10.3	15.5

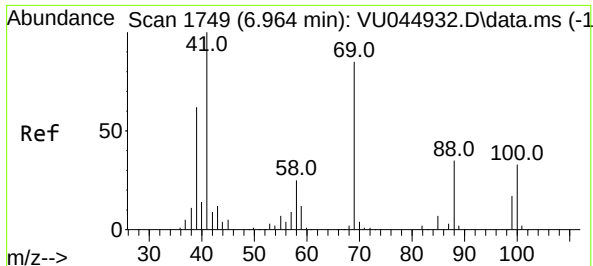


#45

1,2-Dichloropropane
 Concen: 0.632 ug/l
 RT: 7.054 min Scan# 1777
 Delta R.T. 0.261 min
 Lab File: VU045073.D
 Acq: 01 Oct 2021 15:15

Tgt Ion:	63	Resp:	1967
Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#





#48

Methyl methacrylate

Concen: 2.356 ug/l

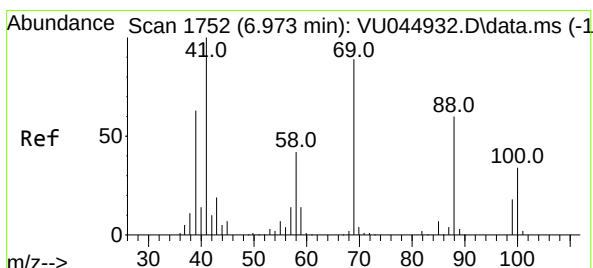
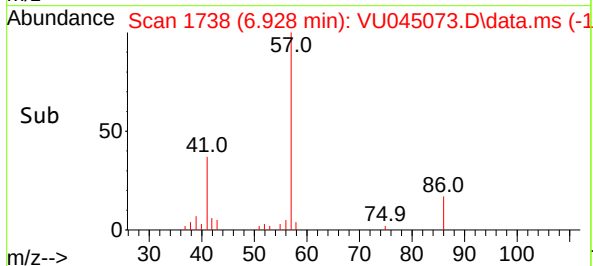
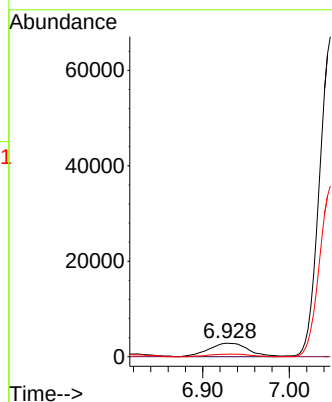
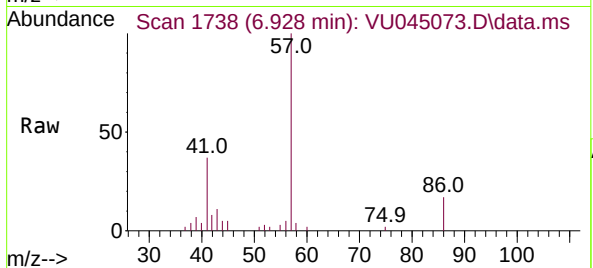
RT: 6.928 min Scan# 1738

Delta R.T. -0.036 min

Lab File: VU045073.D

Acq: 01 Oct 2021 15:15

Tgt Ion:	41	Resp:	8992
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

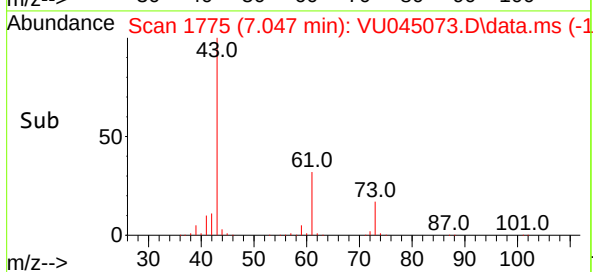
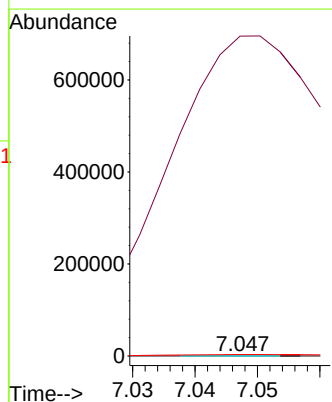
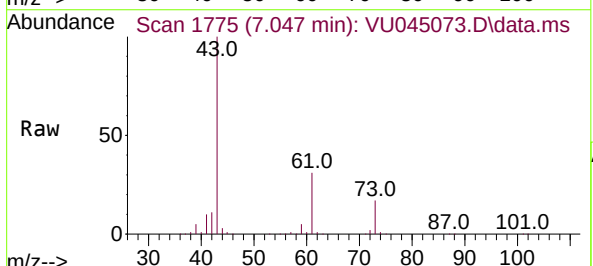
RT: 7.047 min Scan# 1775

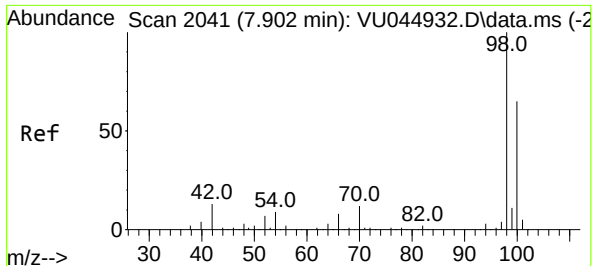
Delta R.T. 0.074 min

Lab File: VU045073.D

Acq: 01 Oct 2021 15:15

Tgt Ion:	88	Resp:	43
Ion Ratio	Lower	Upper	
88	100		
43	3704097.7	25.8	38.6#
58	16218.6	61.3	91.9#

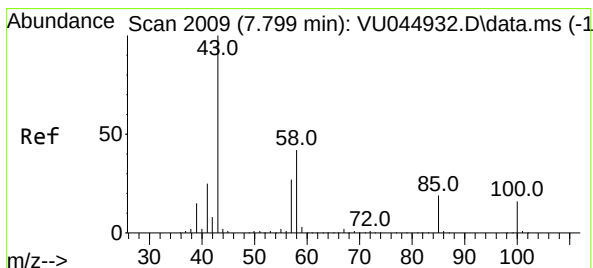
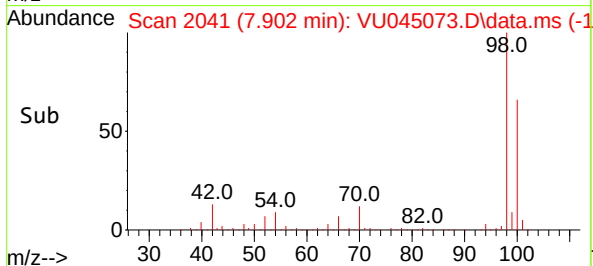
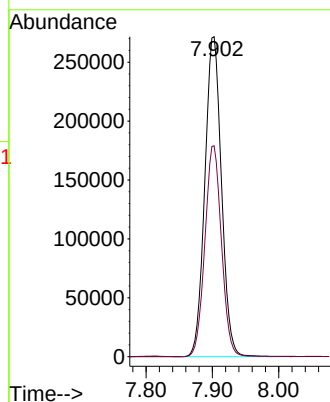
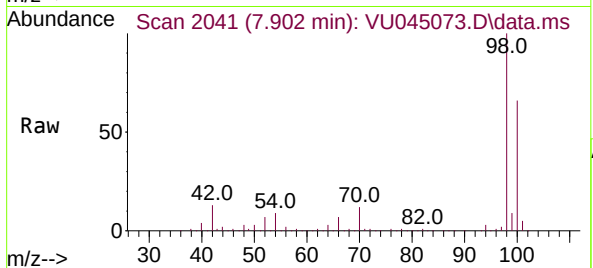




#50
Toluene-d8
Concen: 50.497 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

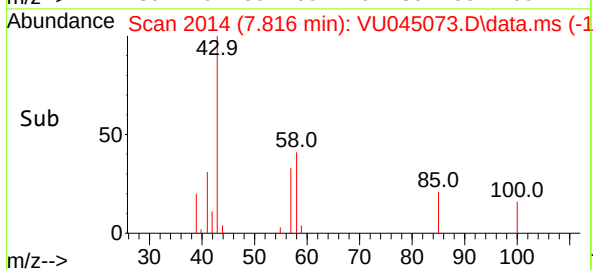
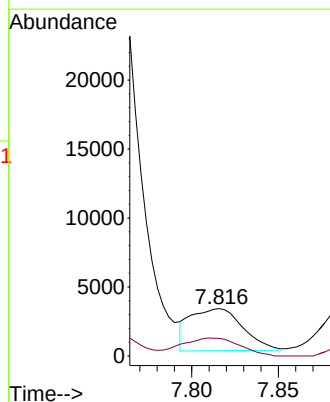
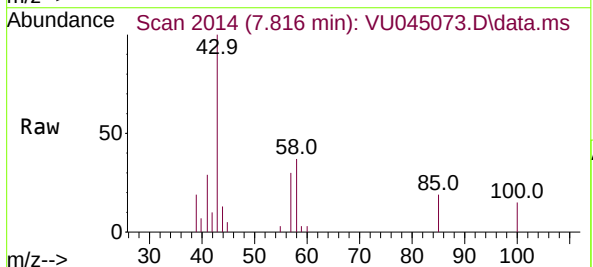
Instrument :
MSVOA_U
ClientSampled :

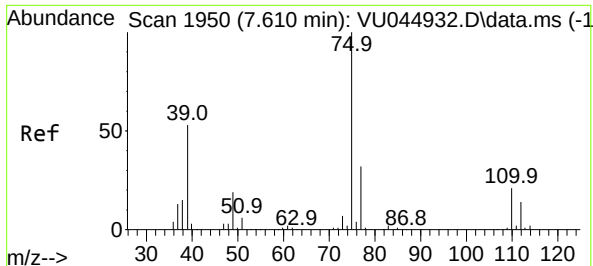
Tgt Ion: 98 Resp: 474052
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.129 ug/l
RT: 7.816 min Scan# 2014
Delta R.T. 0.017 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

Tgt Ion: 43 Resp: 6445
Ion Ratio Lower Upper
43 100
58 48.1 32.4 48.6



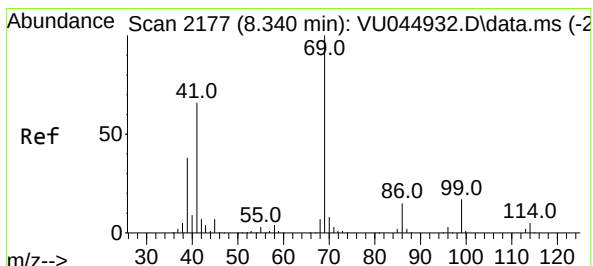
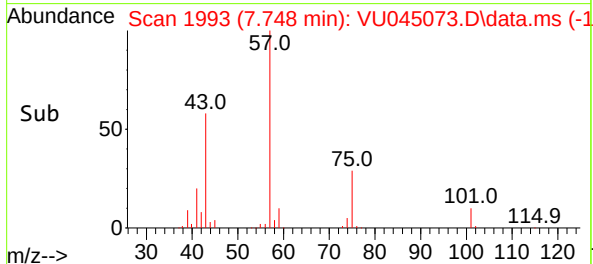
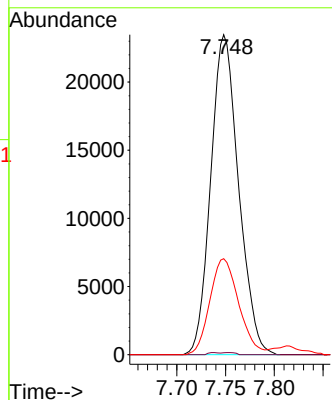
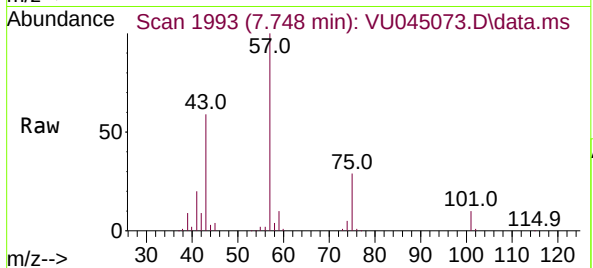


#54

cis-1,3-Dichloropropene
Concen: 9.626 ug/l
RT: 7.748 min Scan# 1993
Delta R.T. 0.138 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

Instrument :
MSVOA_U
ClientSampled :

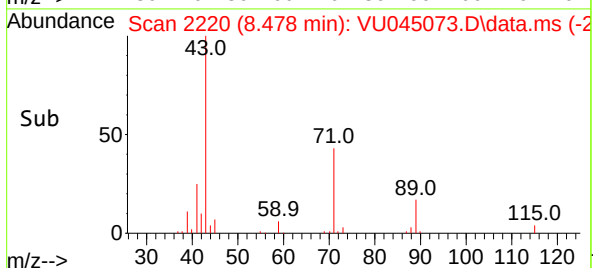
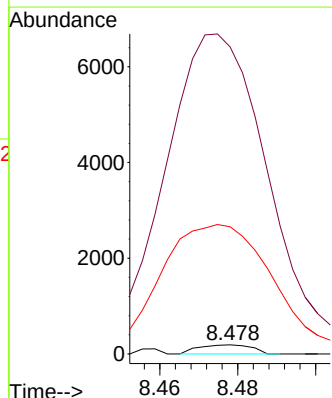
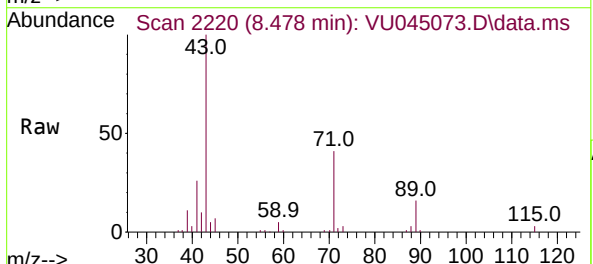
Tgt Ion: 75 Resp: 46642
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.6#
39 30.0 41.4 62.2#

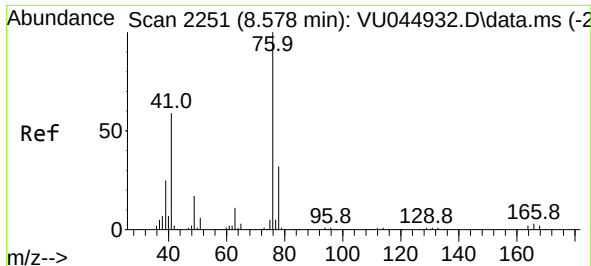


#56

Ethyl methacrylate
Concen: 1.850 ug/l
RT: 8.478 min Scan# 2220
Delta R.T. 0.138 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

Tgt Ion: 69 Resp: 182
Ion Ratio Lower Upper
69 100
41 7016.5 53.5 80.3#
39 3045.1 31.1 46.7#



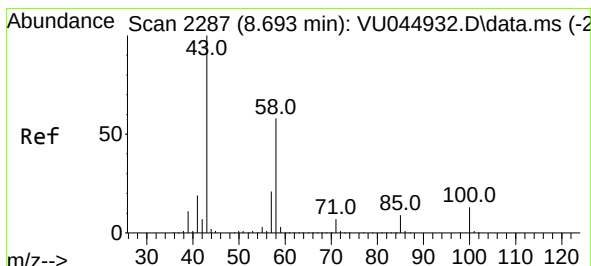
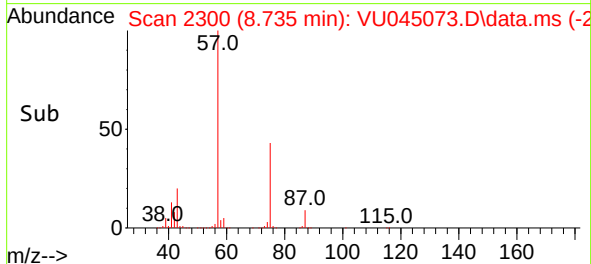
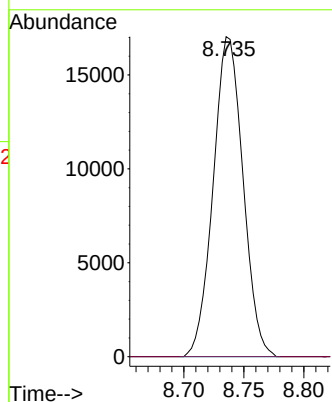
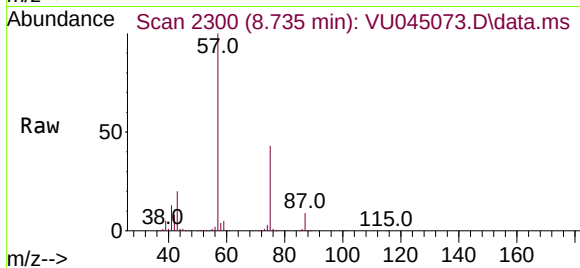


#57

1,3-Dichloropropane
Concen: 5.394 ug/l
RT: 8.735 min Scan# 2300
Delta R.T. 0.157 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

Instrument :
MSVOA_U
ClientSampled :

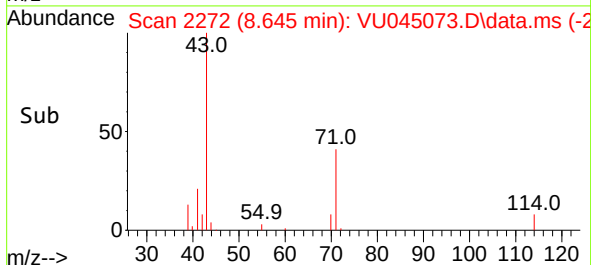
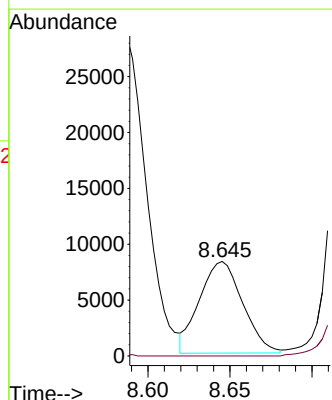
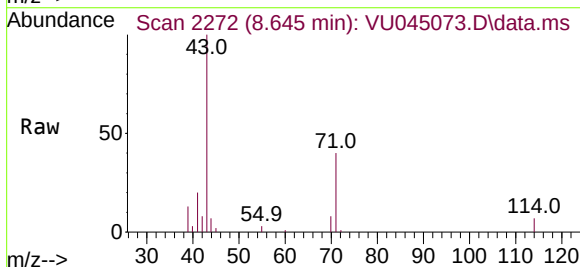
Tgt Ion: 76 Resp: 29449
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

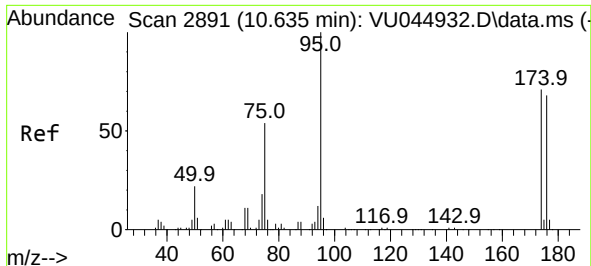


#59

2-Hexanone
Concen: 3.234 ug/l
RT: 8.645 min Scan# 2272
Delta R.T. -0.048 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

Tgt Ion: 43 Resp: 15031
Ion Ratio Lower Upper
43 100
58 0.0 28.0 84.0#

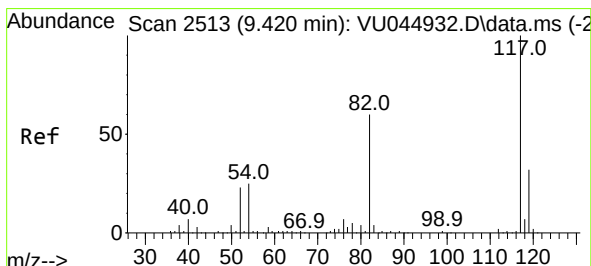
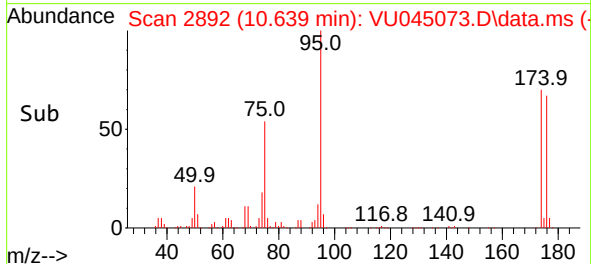
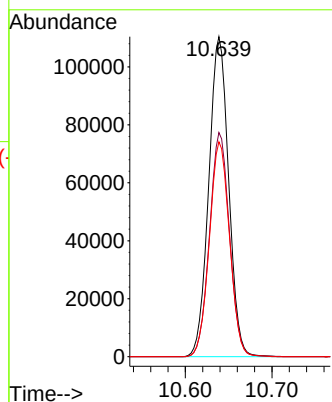
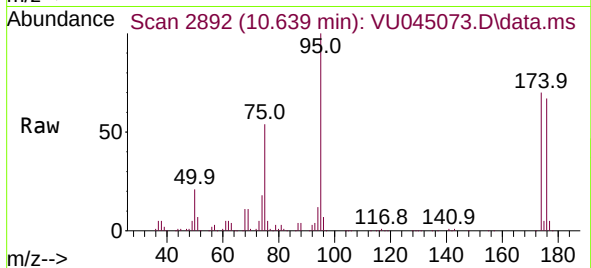




#62
4-Bromofluorobenzene
Concen: 45.399 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.004 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

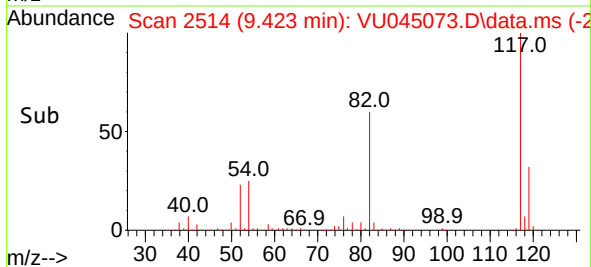
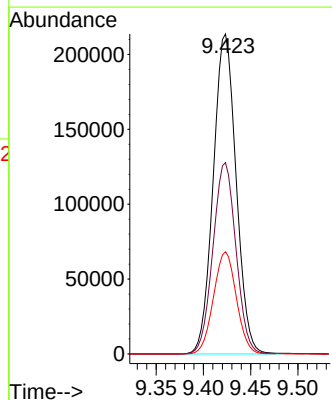
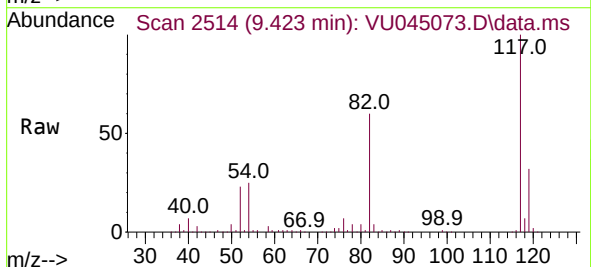
Instrument :
MSVOA_U
ClientSampleId :

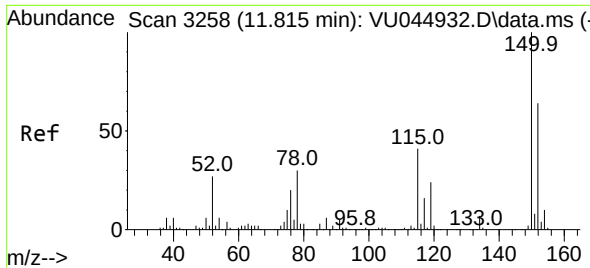
Tgt Ion: 95 Resp: 175954
Ion Ratio Lower Upper
95 100
174 70.4 0.0 146.6
176 68.0 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VU045073.D
Acq: 01 Oct 2021 15:15

Tgt Ion: 117 Resp: 360080
Ion Ratio Lower Upper
117 100
82 59.8 47.8 71.8
119 32.0 25.8 38.6

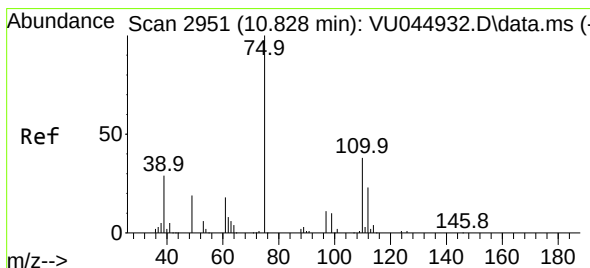
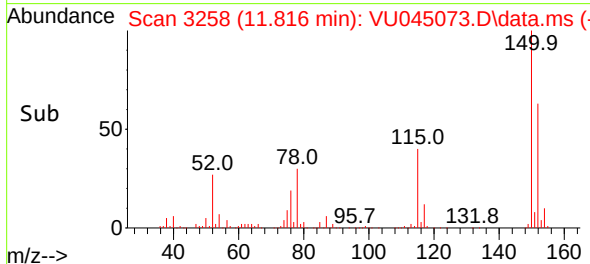
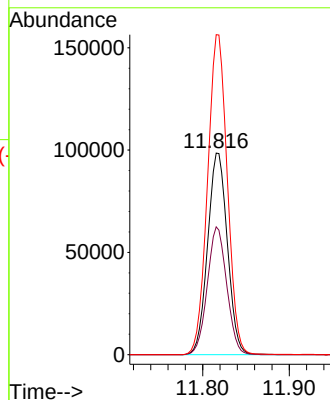
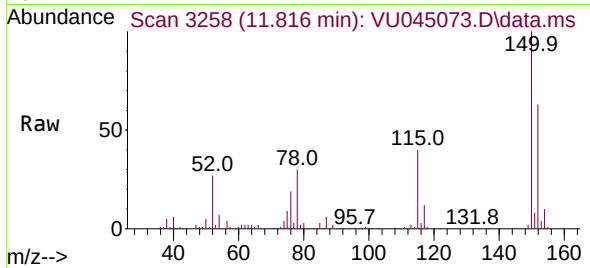




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.001 min
 Lab File: VU045073.D
 Acq: 01 Oct 2021 15:15

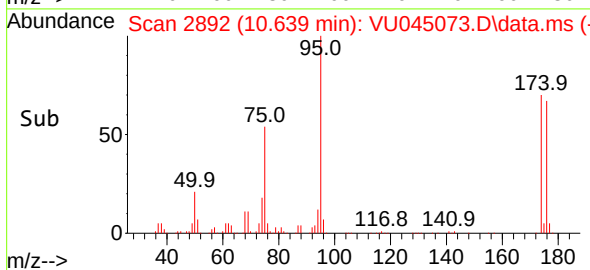
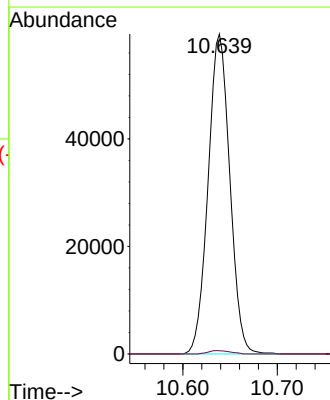
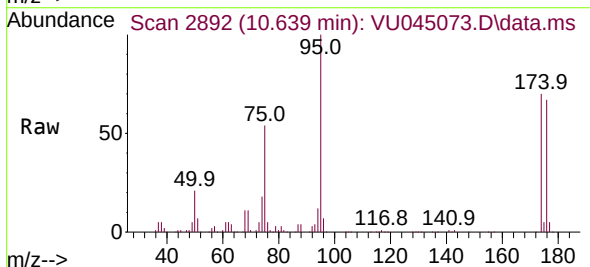
Instrument :
 MSVOA_U
 ClientSampled :

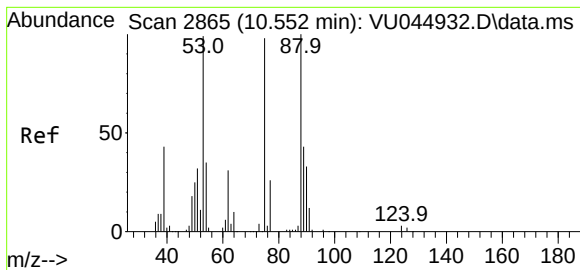
Tgt Ion:152 Resp: 156026
 Ion Ratio Lower Upper
 152 100
 115 62.3 43.5 130.7
 150 158.5 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 20.839 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. -0.189 min
 Lab File: VU045073.D
 Acq: 01 Oct 2021 15:15

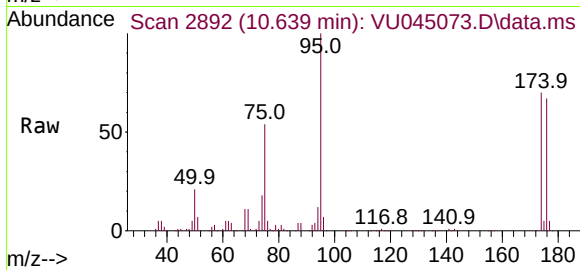
Tgt Ion: 75 Resp: 94836
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.830 ug/l
 RT: 10.639 min Scan# 2892
 Delta R.T. 0.087 min
 Lab File: VU045073.D
 Acq: 01 Oct 2021 15:15

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 94836
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

