

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102521\
 Data File : VU045390.D
 Acq On : 25 Oct 2021 17:52
 Operator : SY/MD
 Sample : M4300-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 26 04:45:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

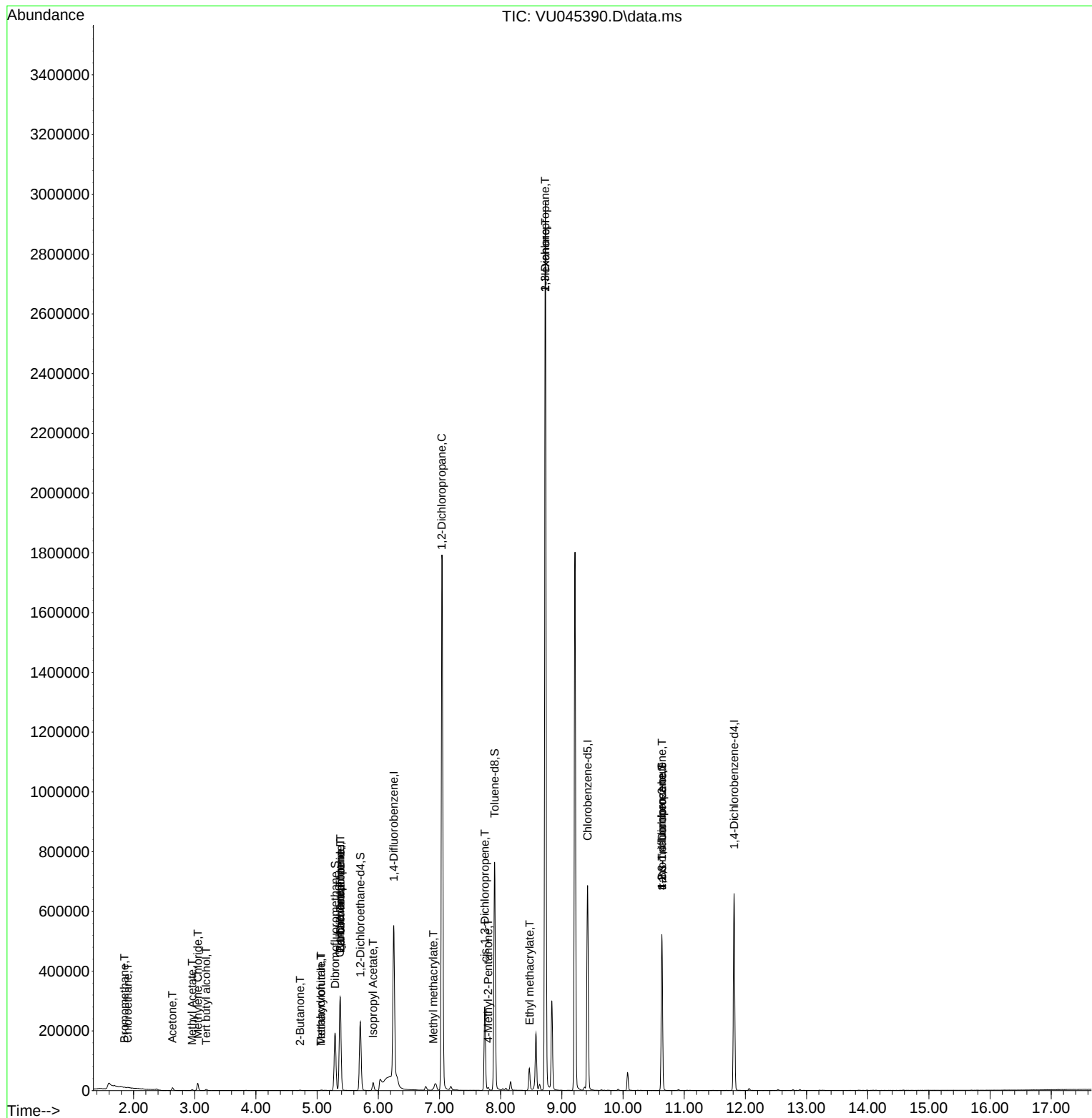
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.379	168	209893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	398887	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	369774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	162041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	171359	49.045	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.080%
35) Dibromofluoromethane	5.295	113	123183	48.954	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.900%
50) Toluene-d8	7.903	98	502633	50.555	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.100%
62) 4-Bromofluorobenzene	10.636	95	178339	43.447	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.900%
Target Compounds						
					Qvalue	
5) Bromomethane	1.851	94	326	0.247	ug/l #	60
6) Chloroethane	1.906	64	1513	0.586	ug/l #	46
11) Tert butyl alcohol	3.186	59	2433	2.426	ug/l #	72
16) Acetone	2.636	43	11630	5.608	ug/l	98
18) Methyl Acetate	2.957	43	3777	0.623	ug/l #	87
20) Methylene Chloride	3.047	84	11623	3.721	ug/l	90
25) 2-Butanone	4.719	43	2614	0.887	ug/l	99
29) Tetrahydrofuran	5.060	42	453	0.258	ug/l #	30
31) Cyclohexane	5.372	56	4962	0.935	ug/l #	1
36) 1,1-Dichloropropene	5.379	75	19398	4.650	ug/l #	49
38) Carbon Tetrachloride	5.379	117	20998	5.817	ug/l #	16
41) Methacrylonitrile	5.067	41	690	0.243	ug/l #	29
43) Isopropyl Acetate	5.915	43	28296	3.408	ug/l	99
45) 1,2-Dichloropropane	7.038	63	2112	0.641	ug/l #	45
48) Methyl methacrylate	6.899	41	8678	2.147	ug/l #	14
49) 1,4-Dioxane	7.038	88	253	Below Cal	#	1
51) 4-Methyl-2-Pentanone	7.796	43	6498	1.075	ug/l	90
54) cis-1,3-Dichloropropene	7.742	75	49720	9.688	ug/l #	56
56) Ethyl methacrylate	8.472	69	279	1.864	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	31050	5.370	ug/l #	43
59) 2-Hexanone	8.732	43	405016	82.276	ug/l #	50
76) 1,2,3-Trichloropropane	10.636	75	93184	19.715	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.636	75	93184	54.714	ug/l #	9

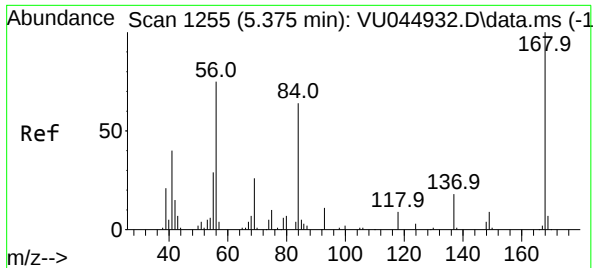
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

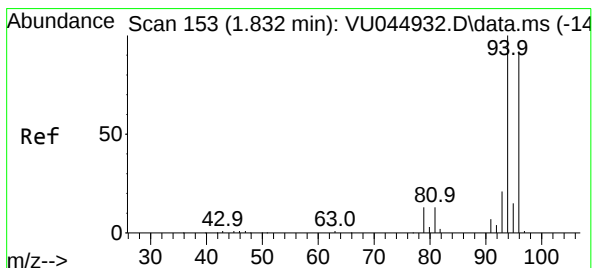
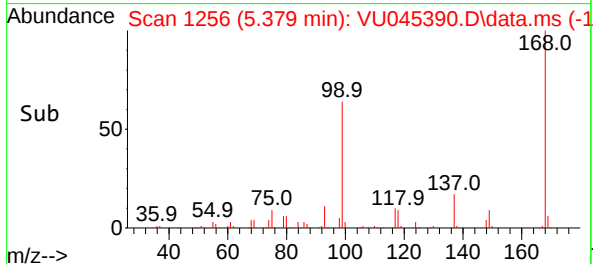
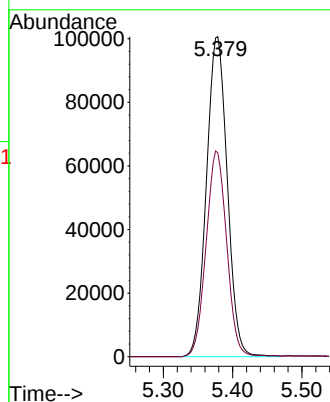
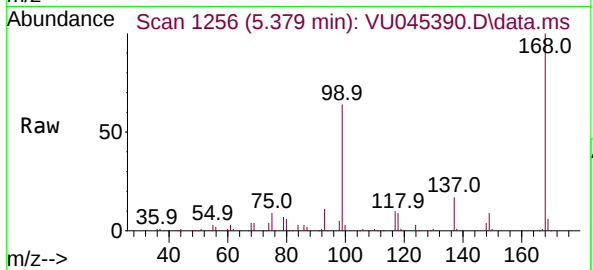




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. 0.004 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

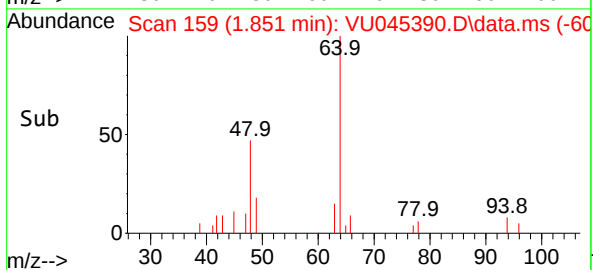
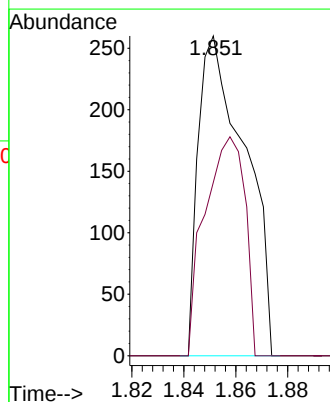
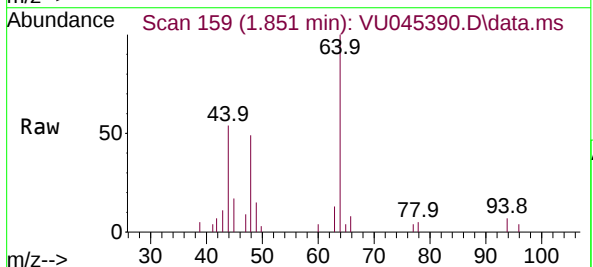
Instrument :
MSVOA_U
ClientSampleId :

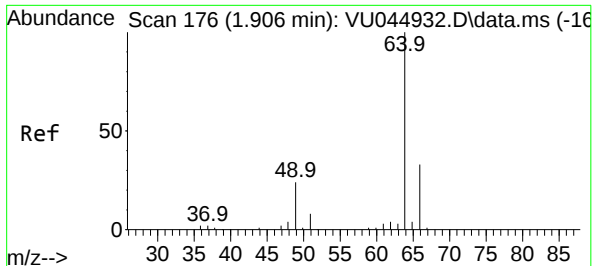
Tgt Ion:168 Resp: 209893
Ion Ratio Lower Upper
168 100
99 63.7 51.4 77.0



#5
Bromomethane
Concen: 0.247 ug/l
RT: 1.851 min Scan# 159
Delta R.T. 0.019 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

Tgt Ion: 94 Resp: 326
Ion Ratio Lower Upper
94 100
96 54.2 74.5 111.7#

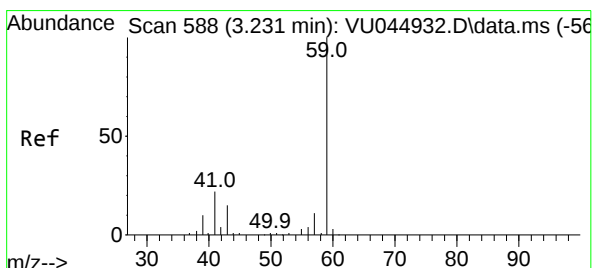
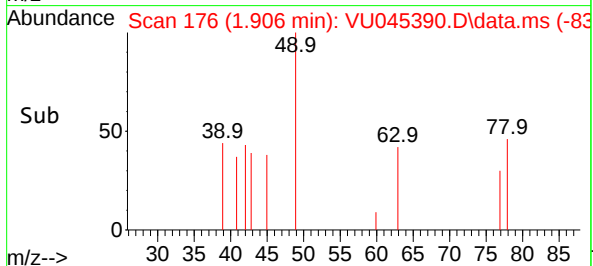
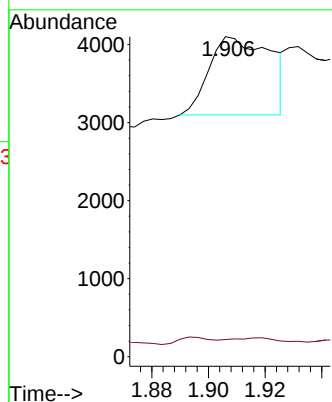
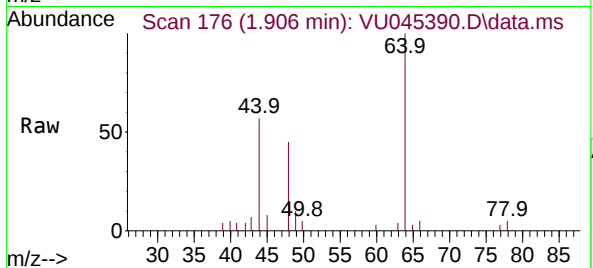




#6
Chloroethane
Concen: 0.586 ug/l
RT: 1.906 min Scan# 176
Delta R.T. 0.000 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

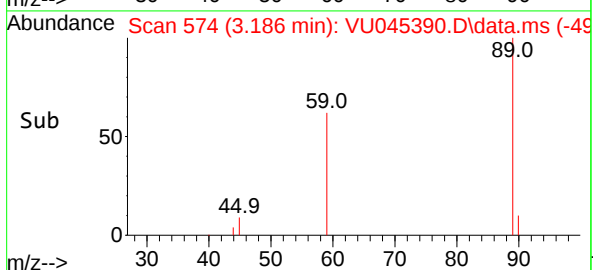
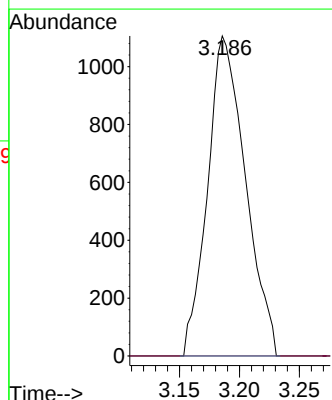
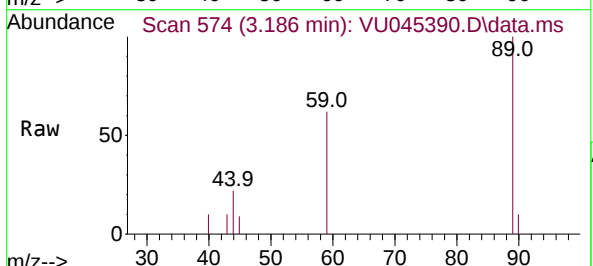
Instrument :
MSVOA_U
ClientSampleId :

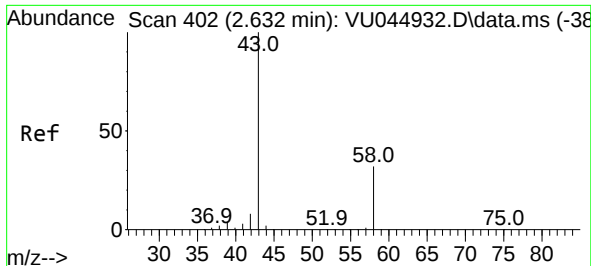
Tgt Ion: 64 Resp: 1513
Ion Ratio Lower Upper
64 100
66 1.9 25.8 38.8#



#11
Tert butyl alcohol
Concen: 2.426 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.045 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

Tgt Ion: 59 Resp: 2433
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

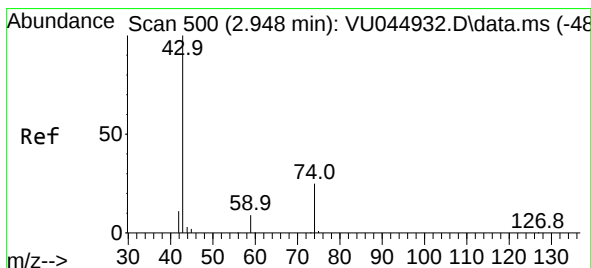
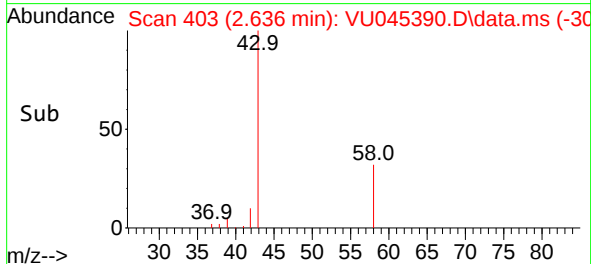
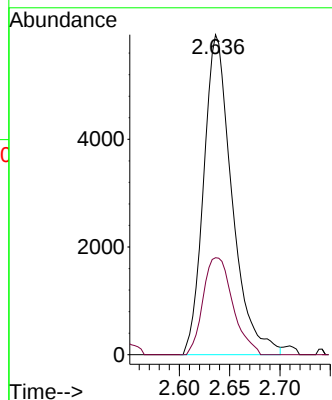
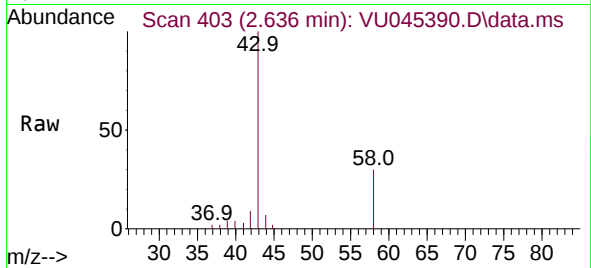




#16
Acetone
Concen: 5.608 ug/l
RT: 2.636 min Scan# 403
Delta R.T. 0.004 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

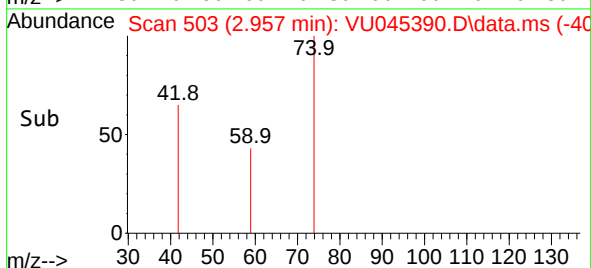
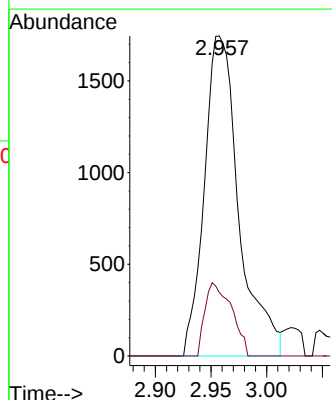
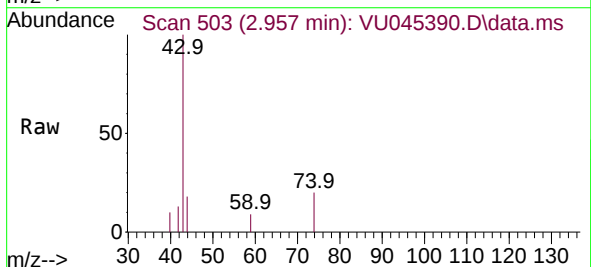
Instrument :
MSVOA_U
ClientSampled :

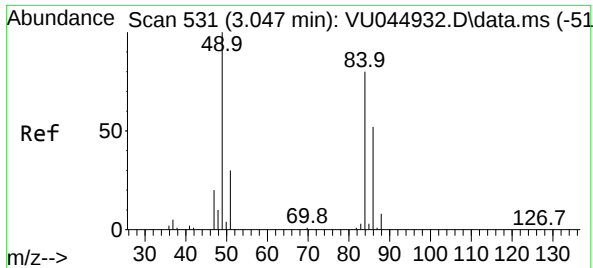
Tgt Ion: 43 Resp: 11630
Ion Ratio Lower Upper
43 100
58 30.3 25.2 37.8



#18
Methyl Acetate
Concen: 0.623 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.009 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

Tgt Ion: 43 Resp: 3777
Ion Ratio Lower Upper
43 100
74 17.6 19.0 28.6#

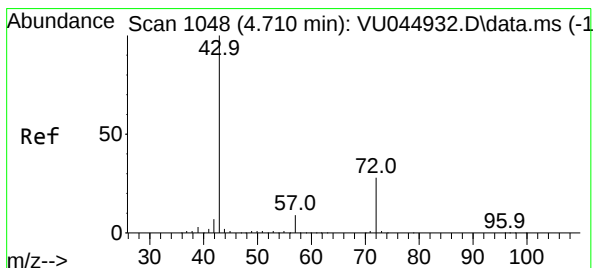
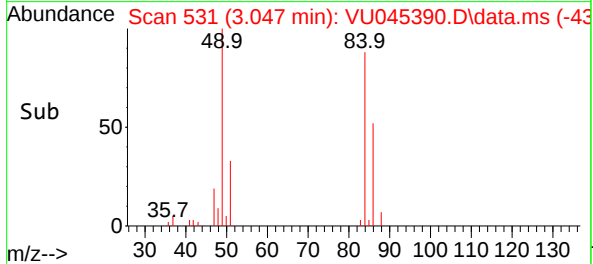
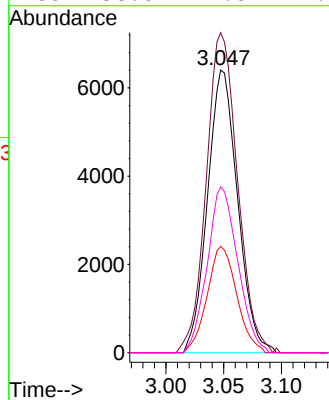
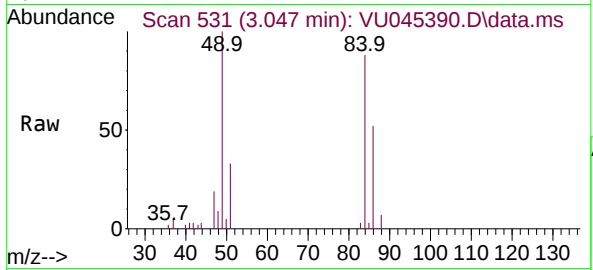




#20
Methylene Chloride
Concen: 3.721 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

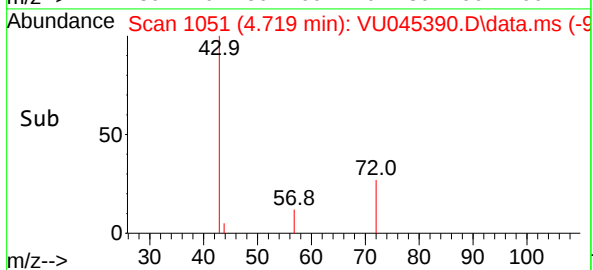
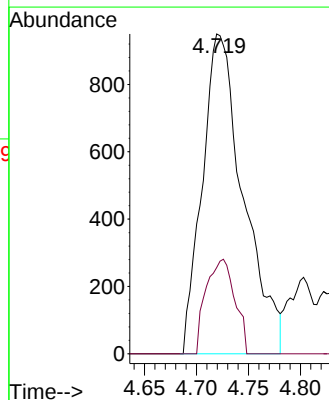
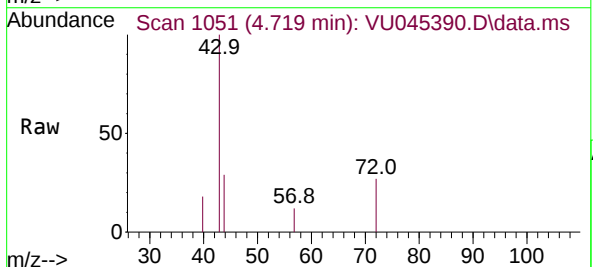
Instrument :
MSVOA_U
ClientSampled :

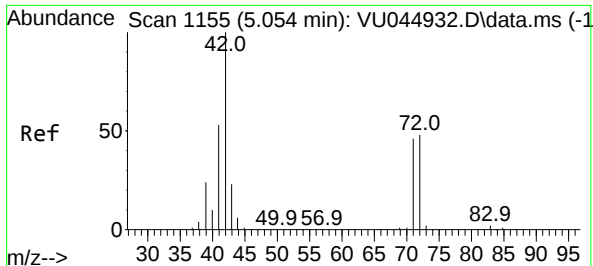
Tgt Ion:	84	Resp:	11623
Ion	Ratio	Lower	Upper
84	100		
49	113.2	104.9	157.3
51	37.7	31.8	47.8
86	58.6	49.8	74.6



#25
2-Butanone
Concen: 0.887 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.009 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

Tgt Ion:	43	Resp:	2614
Ion	Ratio	Lower	Upper
43	100		
72	26.9	21.3	31.9





#29

Tetrahydrofuran

Concen: 0.258 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.006 min

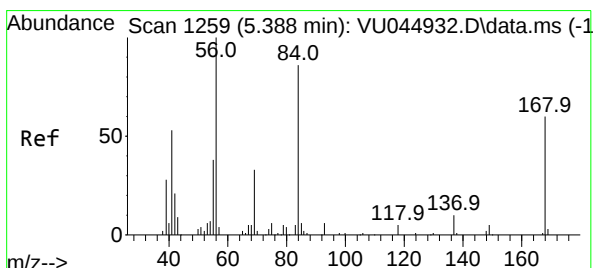
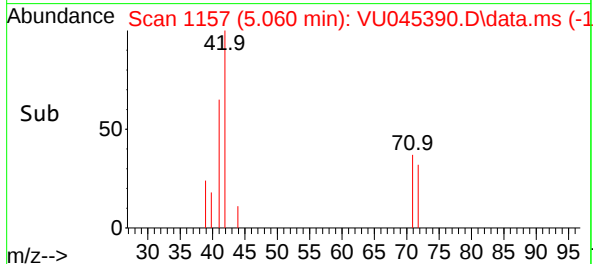
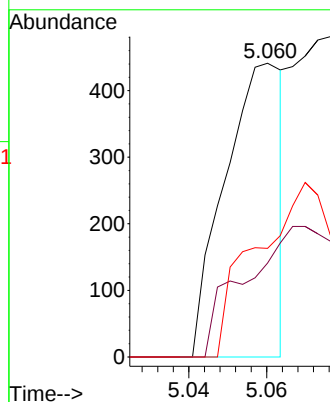
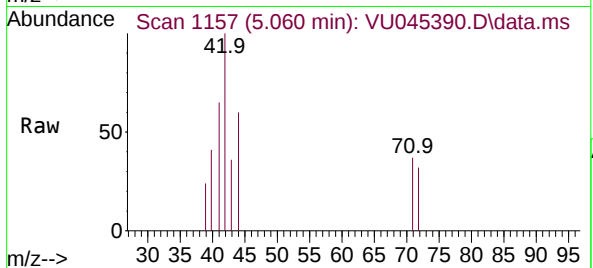
Lab File: VU045390.D

Acq: 25 Oct 2021 17:52

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 42 Resp: 453

Ion	Ratio	Lower	Upper
42	100		
72	85.0	36.2	54.4#
71	94.0	34.1	51.1#



#31

Cyclohexane

Concen: 0.935 ug/l

RT: 5.372 min Scan# 1254

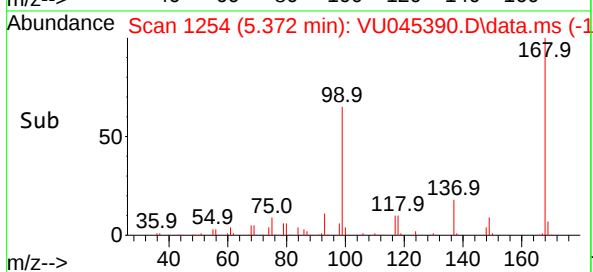
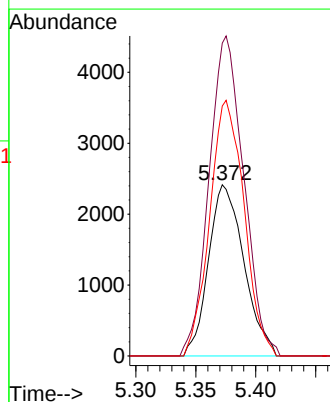
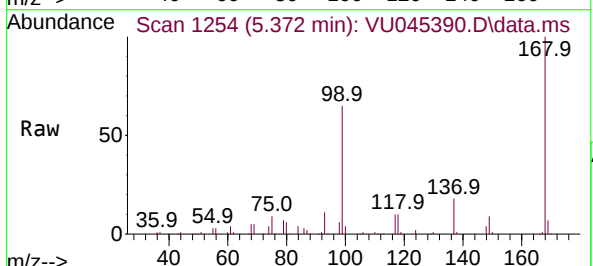
Delta R.T. -0.016 min

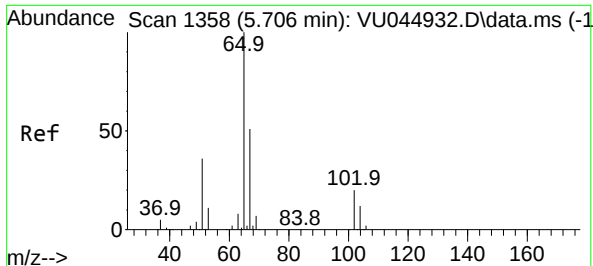
Lab File: VU045390.D

Acq: 25 Oct 2021 17:52

Tgt Ion: 56 Resp: 4962

Ion	Ratio	Lower	Upper
56	100		
69	182.7	25.2	37.8#
84	146.0	66.4	99.6#



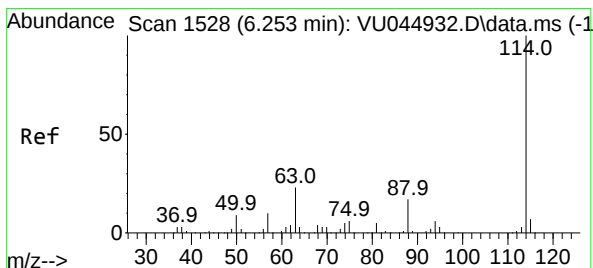
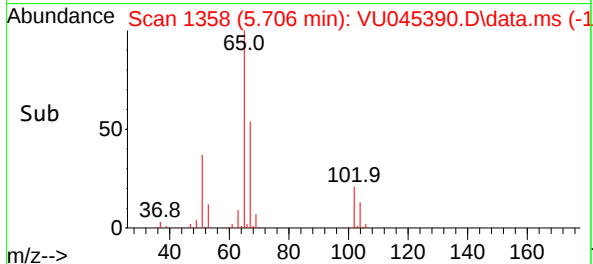
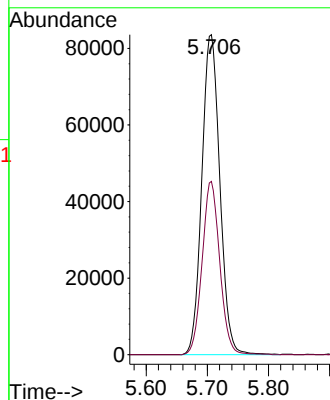
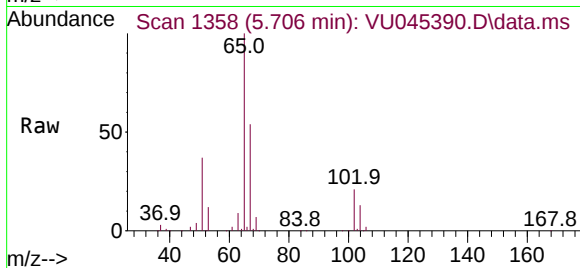


#33

1,2-Dichloroethane-d4
Concen: 49.045 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

Instrument :
MSVOA_U
ClientSampled :

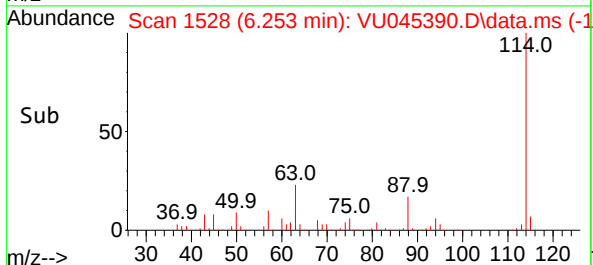
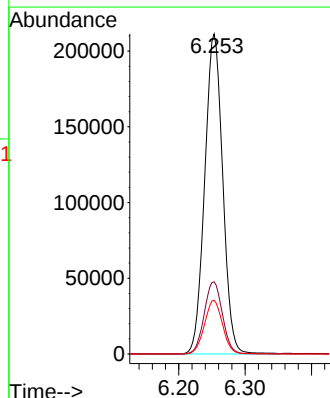
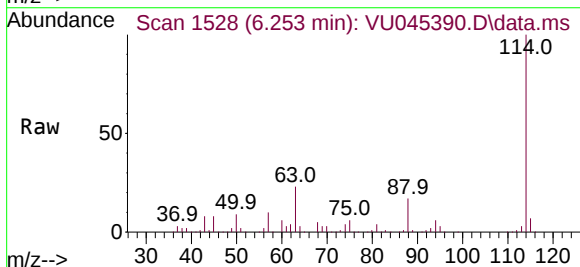
Tgt Ion: 65 Resp: 171359
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.8

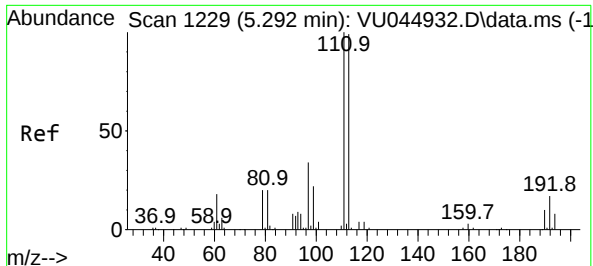


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

Tgt Ion:114 Resp: 398887
Ion Ratio Lower Upper
114 100
63 22.6 0.0 47.8
88 16.8 0.0 32.8

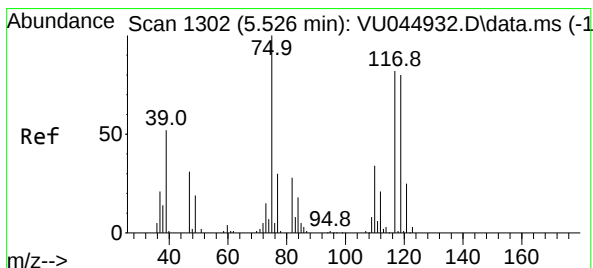
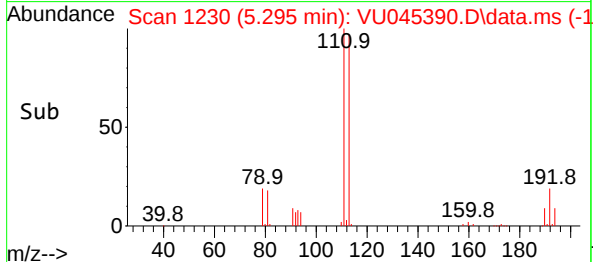
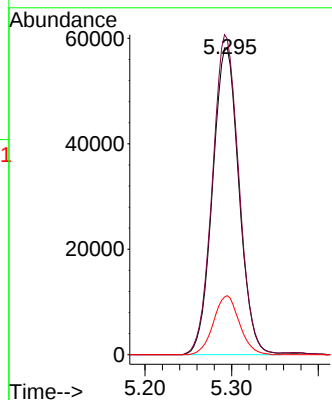
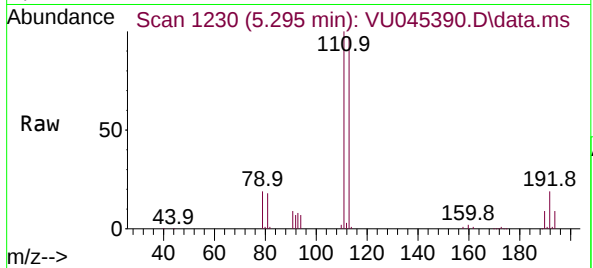




#35
Dibromofluoromethane
Concen: 48.954 ug/l
RT: 5.295 min Scan# 1230
Delta R.T. 0.003 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

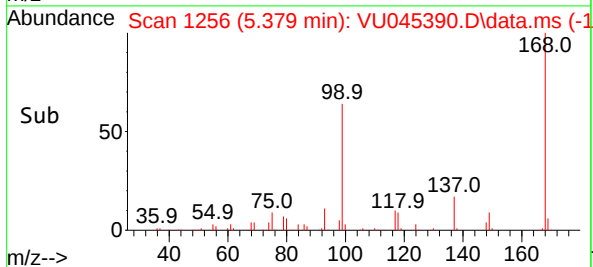
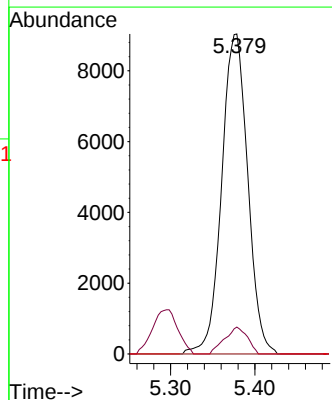
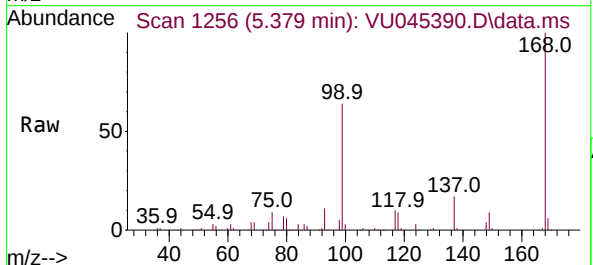
Instrument :
MSVOA_U
ClientSampled :

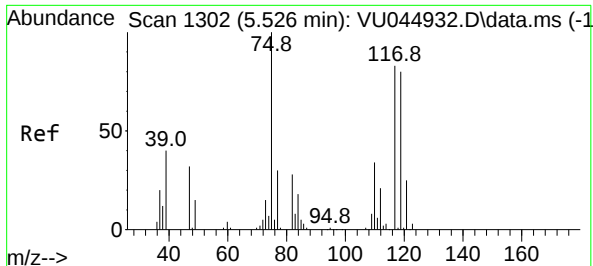
Tgt Ion:113 Resp: 123183
Ion Ratio Lower Upper
113 100
111 104.5 84.1 126.1
192 18.9 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.650 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.147 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

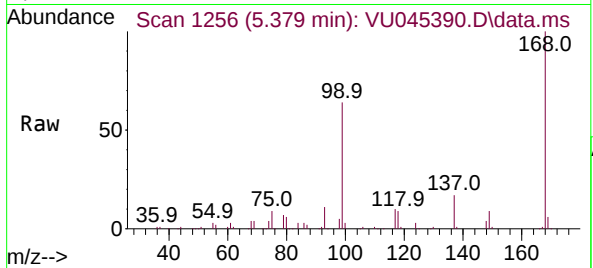
Tgt Ion: 75 Resp: 19398
Ion Ratio Lower Upper
75 100
110 7.3 16.3 48.9#
77 0.0 25.0 37.4#



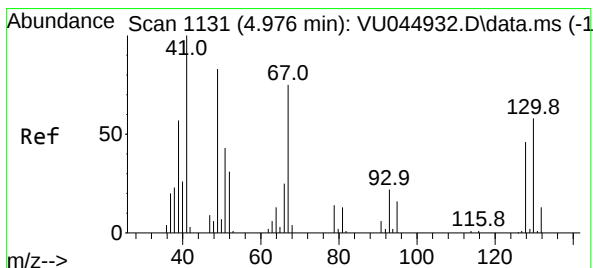
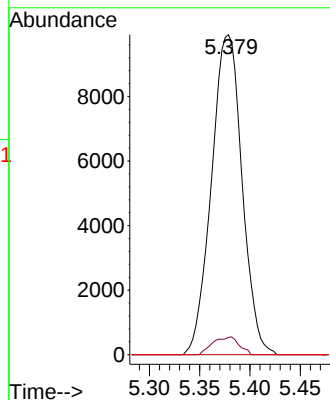
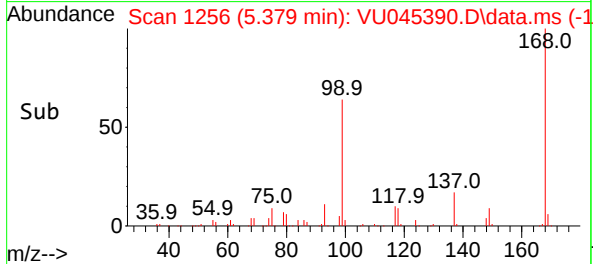


#38
Carbon Tetrachloride
Concen: 5.817 ug/l
RT: 5.379 min Scan# 1256
Delta R.T. -0.147 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

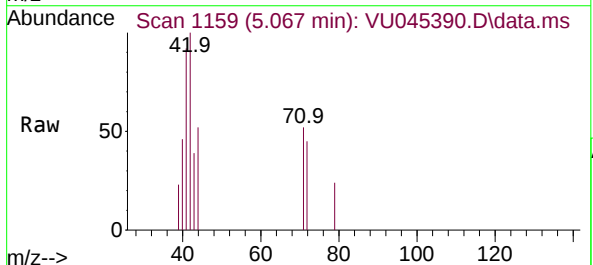
Instrument :
MSVOA_U
ClientSampled :



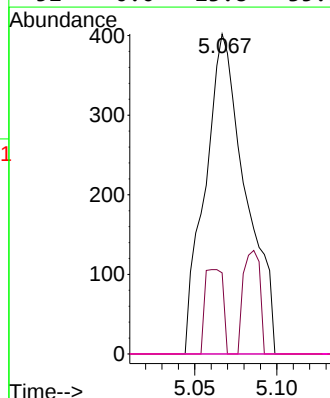
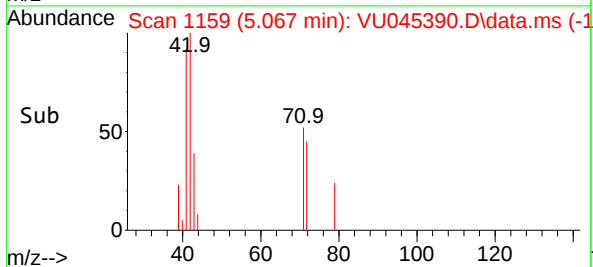
Tgt Ion:117 Resp: 20998
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.2#
121 0.0 24.5 36.7#

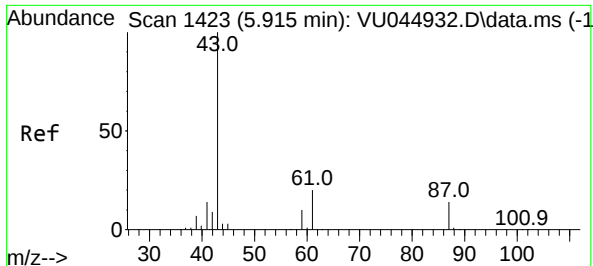


#41
Methacrylonitrile
Concen: 0.243 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.091 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52



Tgt Ion: 41 Resp: 690
Ion Ratio Lower Upper
41 100
39 11.7 44.4 66.6#
67 0.0 58.1 87.1#
52 0.0 23.8 35.8#

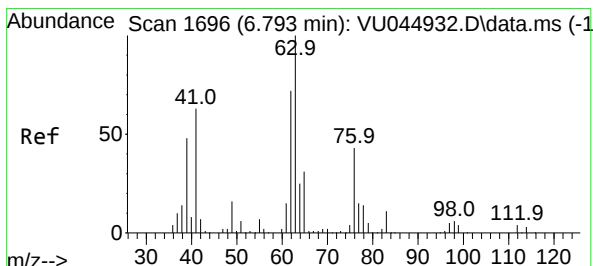
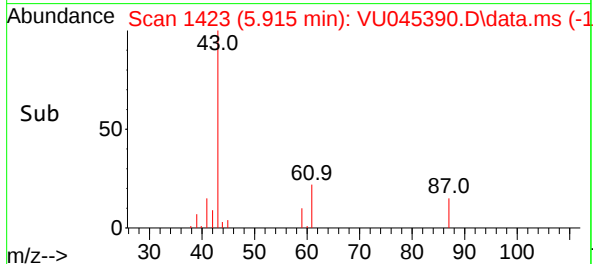
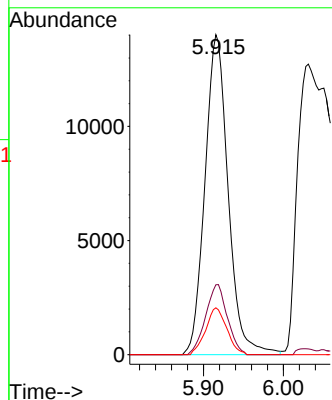
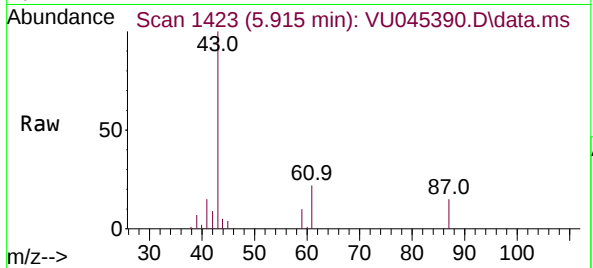




#43
Isopropyl Acetate
Concen: 3.408 ug/l
RT: 5.915 min Scan# 1423
Delta R.T. 0.000 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

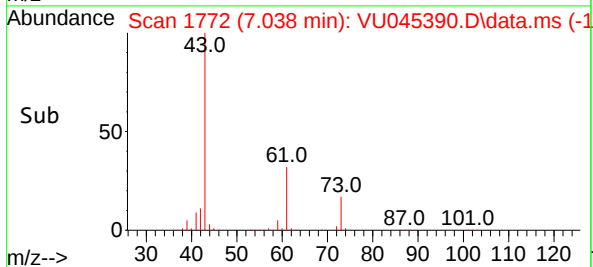
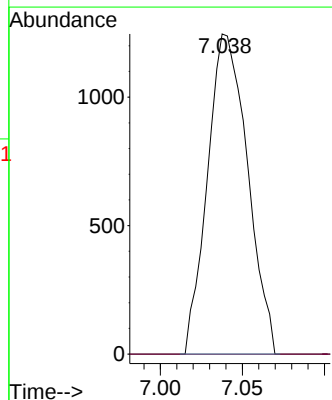
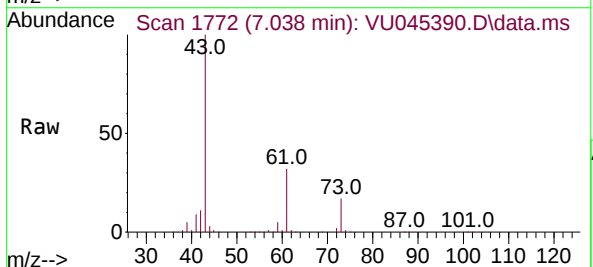
Instrument :
MSVOA_U
ClientSampled :

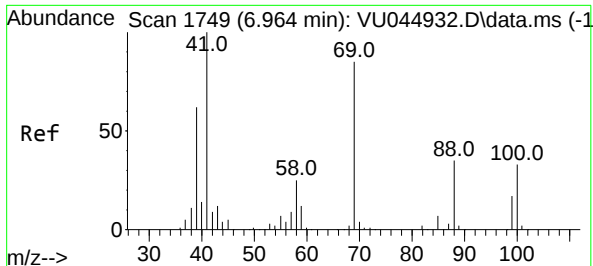
Tgt Ion:	43	Resp:	28296
Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.1	24.1
87	13.3	10.3	15.5



#45
1,2-Dichloropropane
Concen: 0.641 ug/l
RT: 7.038 min Scan# 1772
Delta R.T. 0.245 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

Tgt Ion:	63	Resp:	2112
Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.9	35.9#





#48

Methyl methacrylate

Concen: 2.147 ug/l

RT: 6.899 min Scan# 1729

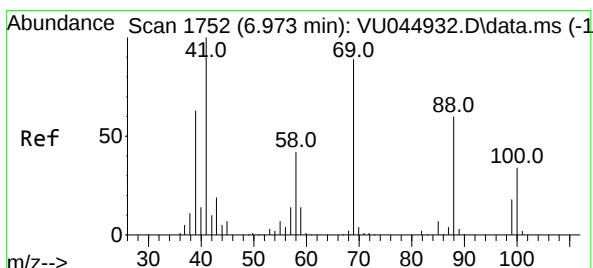
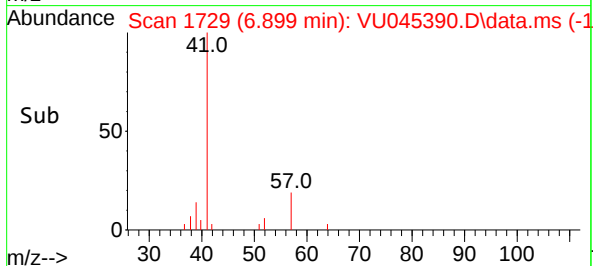
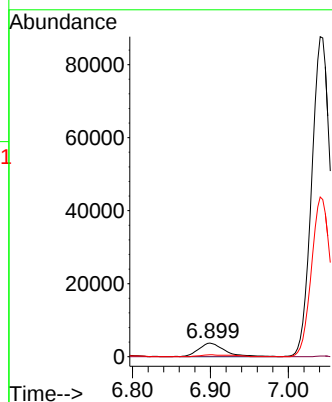
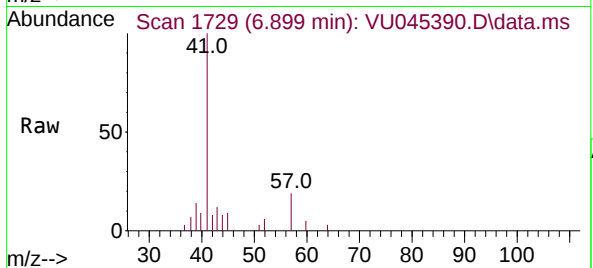
Delta R.T. -0.065 min

Lab File: VU045390.D

Acq: 25 Oct 2021 17:52

Tgt Ion:	41	Resp:	8678
Ion	Ratio	Lower	Upper
41	100		
69	0.0	65.6	98.4#
39	0.0	46.2	69.4#

Instrument :
MSVOA_U
ClientSampled :



#49

1,4-Dioxane

Concen: Below Cal

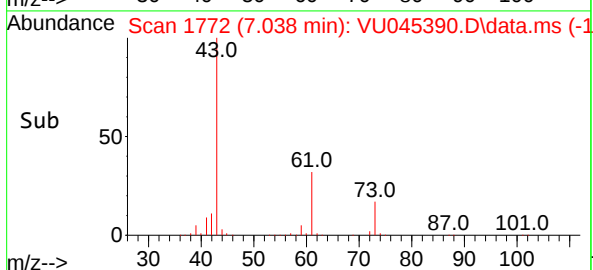
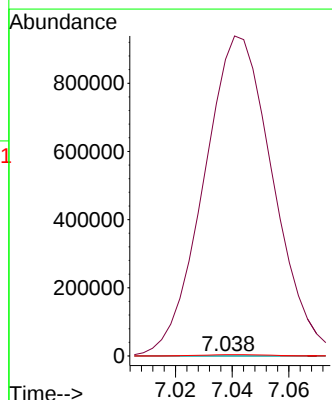
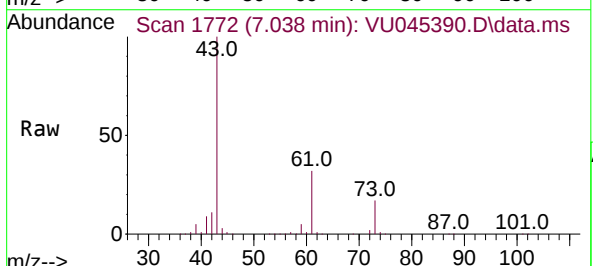
RT: 7.038 min Scan# 1772

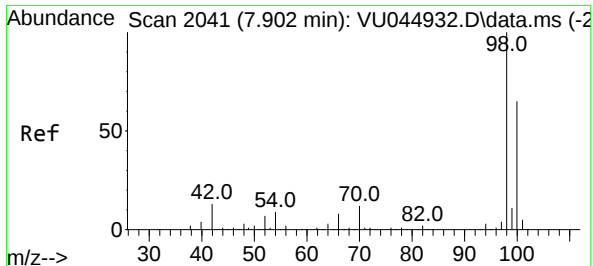
Delta R.T. 0.065 min

Lab File: VU045390.D

Acq: 25 Oct 2021 17:52

Tgt Ion:	88	Resp:	253
Ion	Ratio	Lower	Upper
88	100		
43	638558.5	25.8	38.6#
58	2690.1	61.3	91.9#

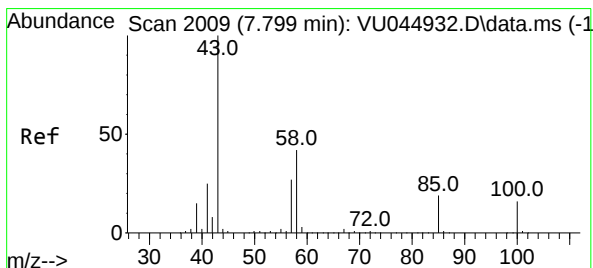
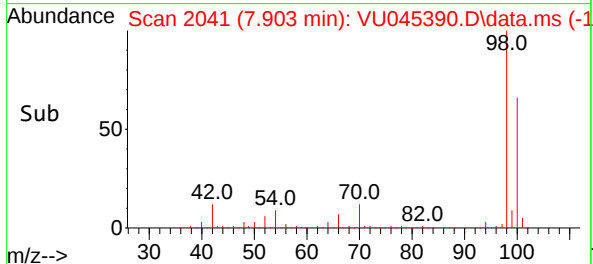
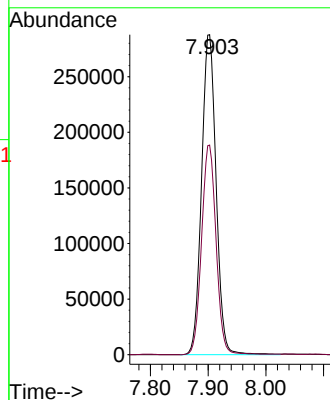
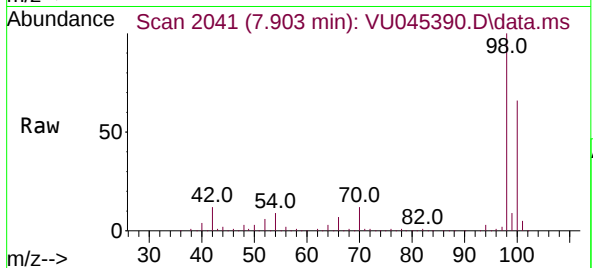




#50
Toluene-d8
Concen: 50.555 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.001 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

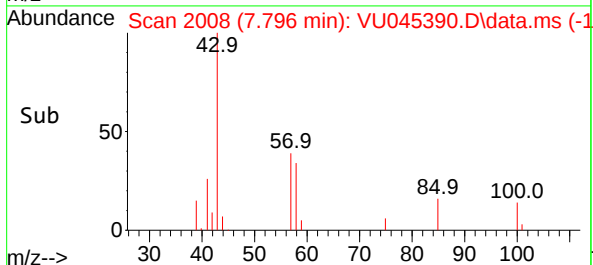
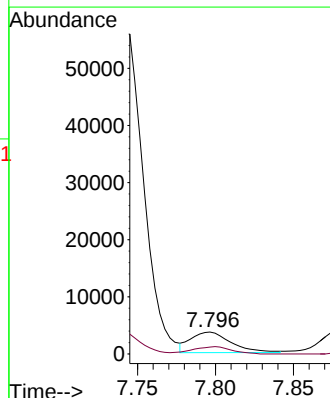
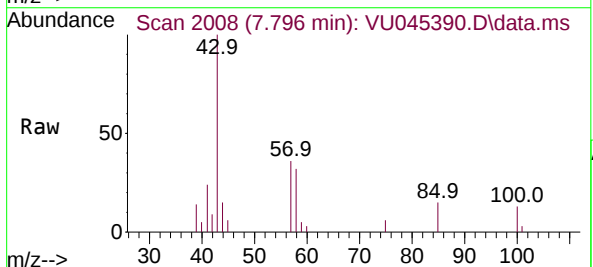
Instrument :
MSVOA_U
ClientSampled :

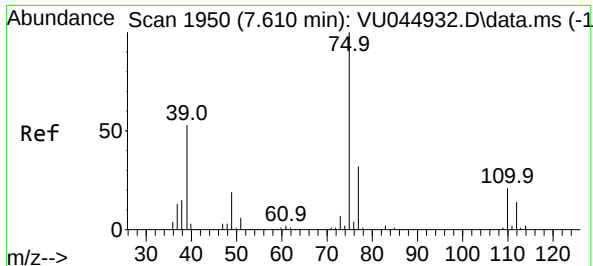
Tgt Ion: 98 Resp: 502633
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.075 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

Tgt Ion: 43 Resp: 6498
Ion Ratio Lower Upper
43 100
58 34.3 32.4 48.6

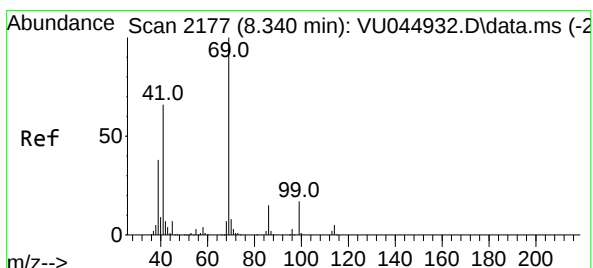
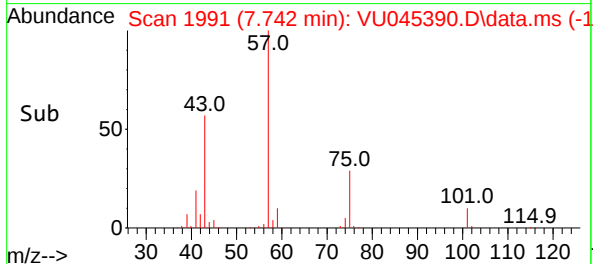
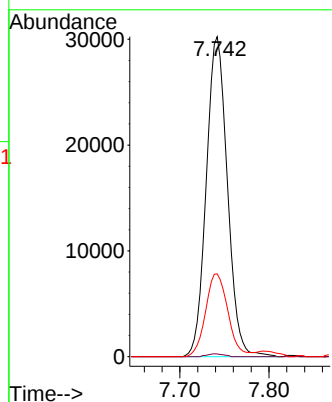
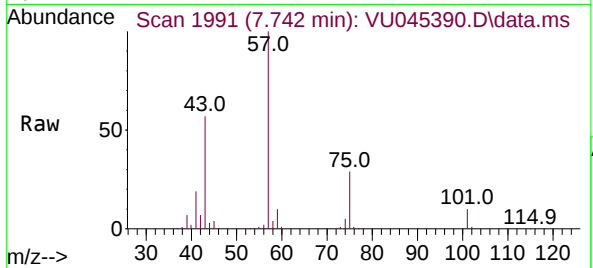




#54
 cis-1,3-Dichloropropene
 Concen: 9.688 ug/l
 RT: 7.742 min Scan# 1991
 Delta R.T. 0.132 min
 Lab File: VU045390.D
 Acq: 25 Oct 2021 17:52

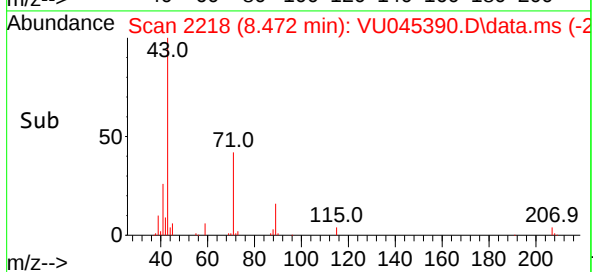
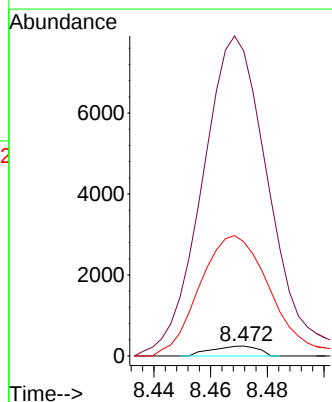
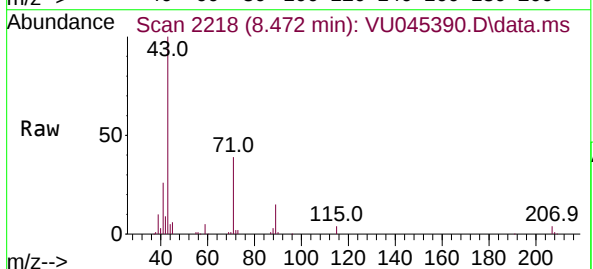
Instrument :
 MSVOA_U
 ClientSampled :

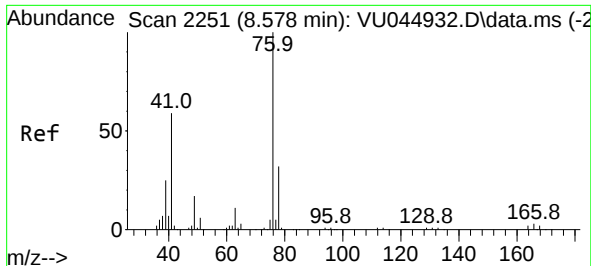
Tgt Ion: 75 Resp: 49720
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.6#
 39 25.9 41.4 62.2#



#56
 Ethyl methacrylate
 Concen: 1.864 ug/l
 RT: 8.472 min Scan# 2218
 Delta R.T. 0.132 min
 Lab File: VU045390.D
 Acq: 25 Oct 2021 17:52

Tgt Ion: 69 Resp: 279
 Ion Ratio Lower Upper
 69 100
 41 4695.7 53.5 80.3#
 39 1883.2 31.1 46.7#



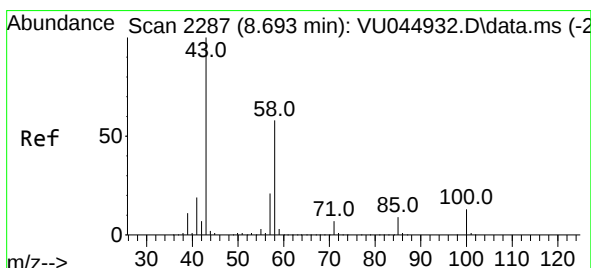
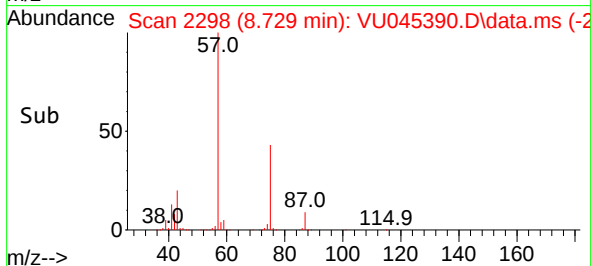
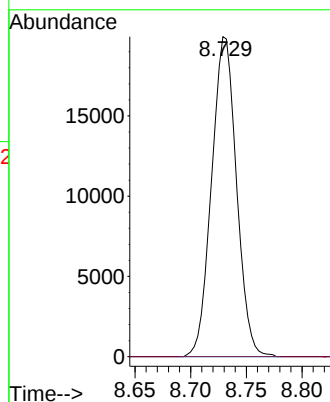
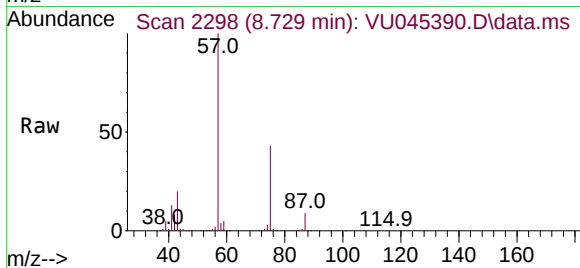


#57

1,3-Dichloropropane
Concen: 5.370 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

Instrument :
MSVOA_U
ClientSampled :

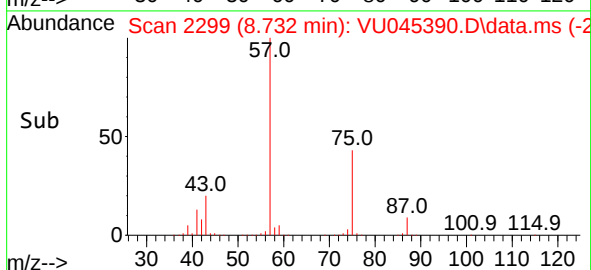
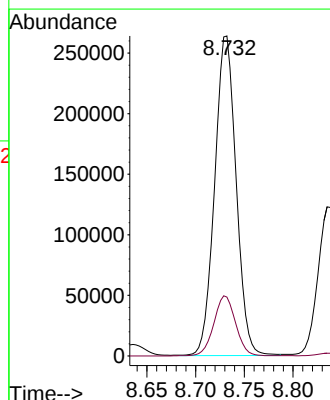
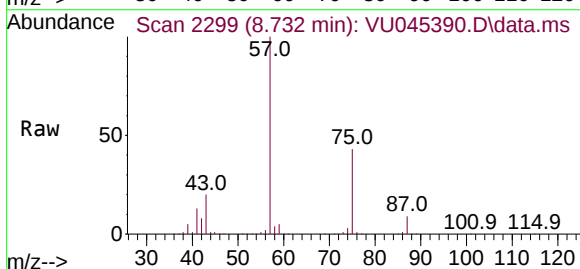
Tgt Ion: 76 Resp: 31050
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

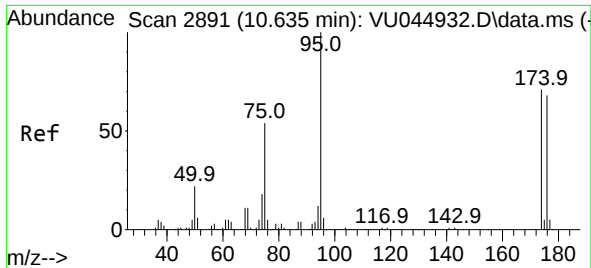


#59

2-Hexanone
Concen: 82.276 ug/l
RT: 8.732 min Scan# 2299
Delta R.T. 0.039 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

Tgt Ion: 43 Resp: 405016
Ion Ratio Lower Upper
43 100
58 19.2 28.0 84.0#

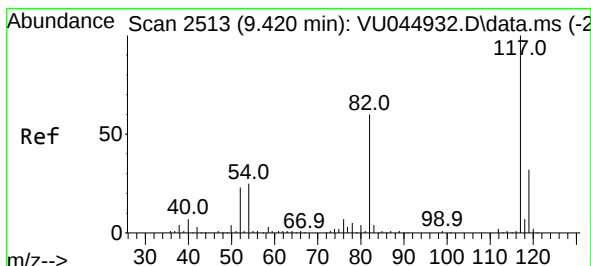
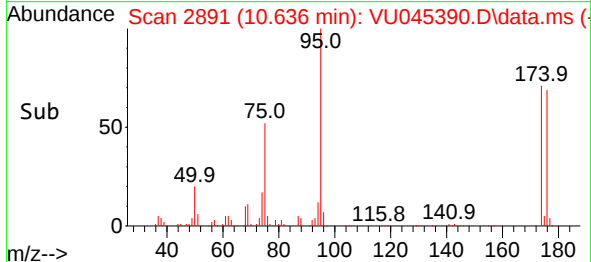
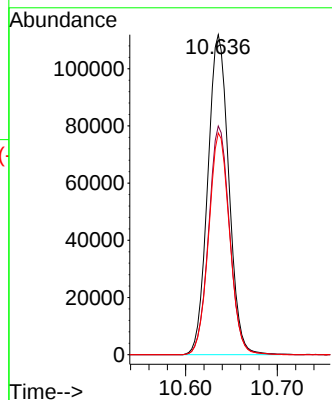
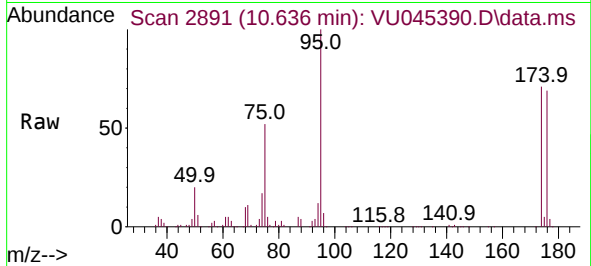




#62
4-Bromofluorobenzene
Concen: 43.447 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.001 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

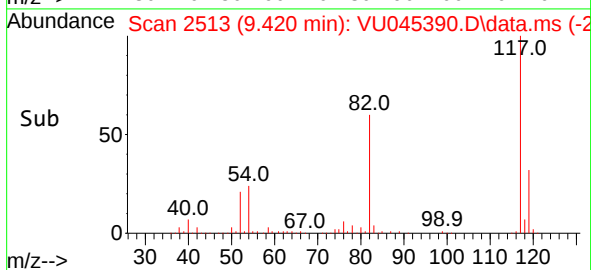
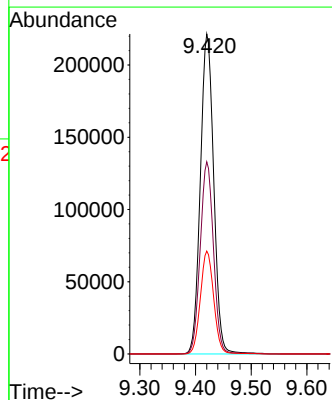
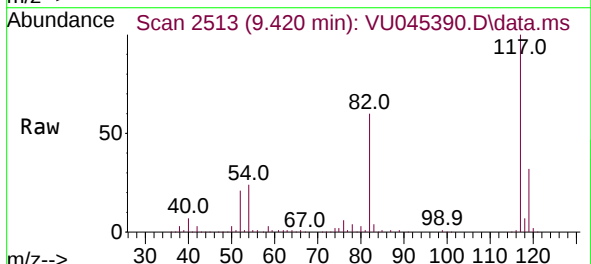
Instrument :
MSVOA_U
ClientSampleId :

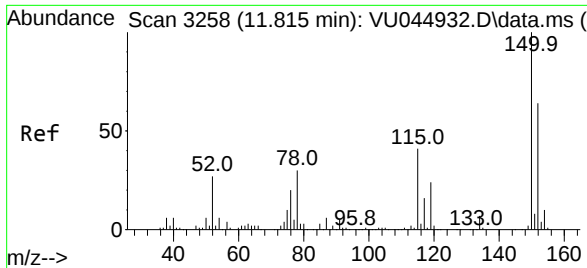
Tgt Ion: 95 Resp: 178339
Ion Ratio Lower Upper
95 100
174 71.1 0.0 146.6
176 68.9 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045390.D
Acq: 25 Oct 2021 17:52

Tgt Ion: 117 Resp: 369774
Ion Ratio Lower Upper
117 100
82 60.1 47.8 71.8
119 32.1 25.8 38.6

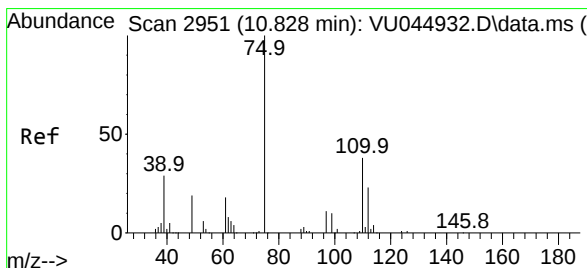
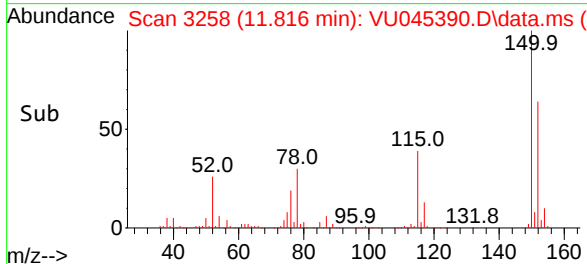
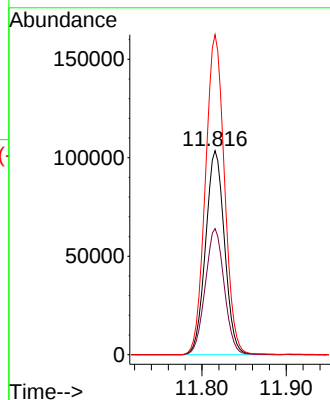
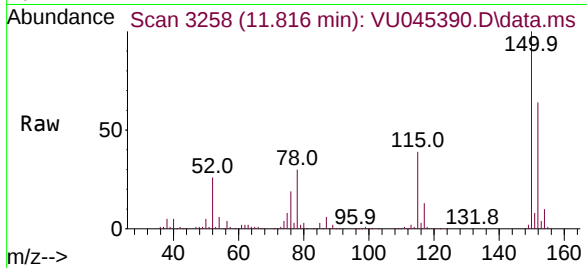




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.001 min
 Lab File: VU045390.D
 Acq: 25 Oct 2021 17:52

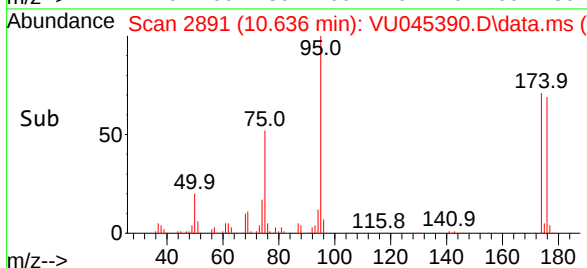
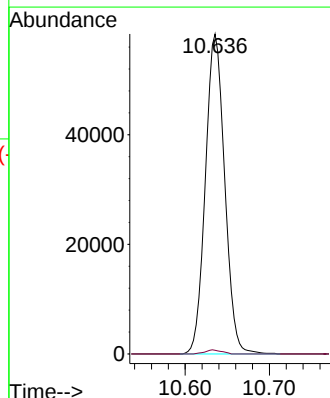
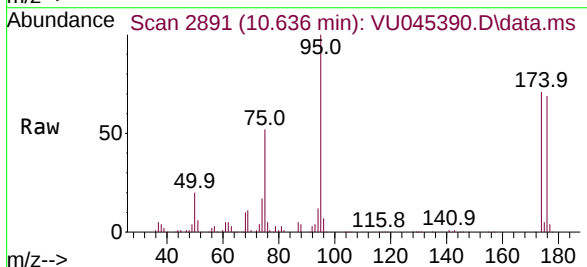
Instrument :
 MSVOA_U
 ClientSampled :

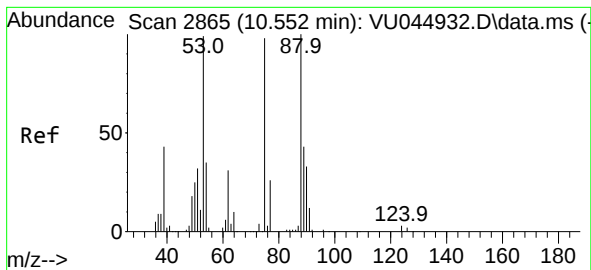
Tgt Ion:152 Resp: 162041
 Ion Ratio Lower Upper
 152 100
 115 62.2 43.5 130.7
 150 157.7 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 19.715 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.192 min
 Lab File: VU045390.D
 Acq: 25 Oct 2021 17:52

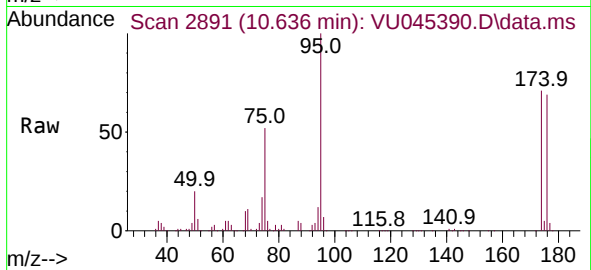
Tgt Ion: 75 Resp: 93184
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.714 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. 0.084 min
 Lab File: VU045390.D
 Acq: 25 Oct 2021 17:52

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 93184
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.0 123.0#
 89 0.0 34.2 51.4#

