

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU093021\
 Data File : VU045049.D
 Acq On : 30 Sep 2021 16:03
 Operator : SY/MD
 Sample : M3937-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 01 05:40:16 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)

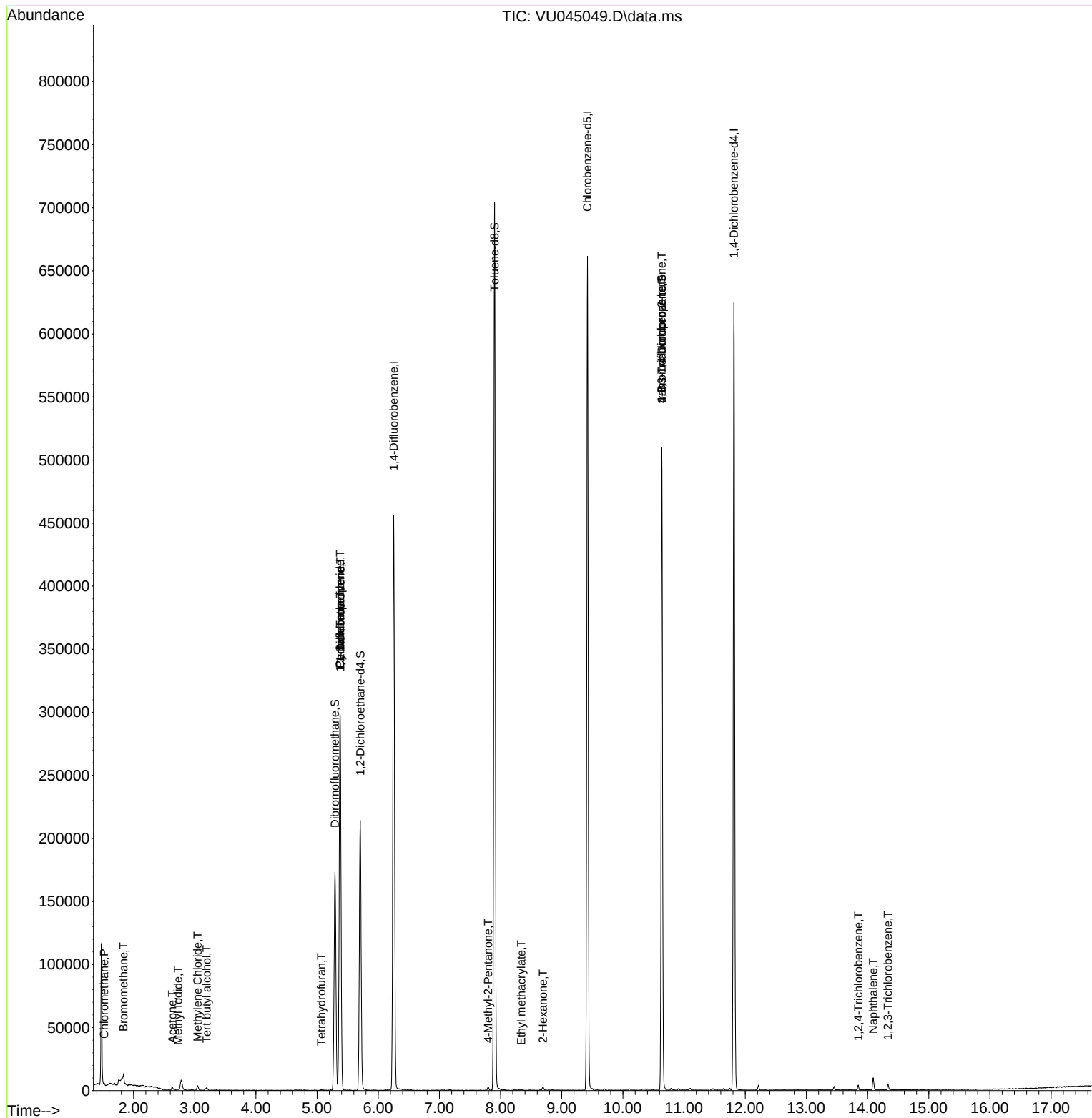
Internal Standards						
1) Pentafluorobenzene	5.375	168	197001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	355299	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	336261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	150859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	158807	48.427	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.860%
35) Dibromofluoromethane	5.292	113	110612	49.351	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.700%
50) Toluene-d8	7.902	98	447642	50.547	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.100%
62) 4-Bromofluorobenzene	10.635	95	168775	46.161	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.320%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1352	0.428	ug/l	92
5) Bromomethane	1.832	94	541	0.437	ug/l	94
10) Methyl Iodide	2.726	142	780	0.308	ug/l #	72
11) Tert butyl alcohol	3.195	59	1491	1.584	ug/l #	72
16) Acetone	2.633	43	2782	1.429	ug/l	91
20) Methylene Chloride	3.047	84	1654	0.564	ug/l	91
29) Tetrahydrofuran	5.070	42	410	0.249	ug/l #	32
31) Cyclohexane	5.375	56	5130	1.030	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	18013	4.848	ug/l #	50
38) Carbon Tetrachloride	5.375	117	20231	6.292	ug/l #	16
51) 4-Methyl-2-Pentanone	7.796	43	1812	0.337	ug/l #	82
56) Ethyl methacrylate	8.340	69	212	1.857	ug/l #	70
59) 2-Hexanone	8.693	43	2006	0.457	ug/l	99
76) 1,2,3-Trichloropropane	10.635	75	91567	20.809	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	91567	57.749	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.848	180	1366	0.462	ug/l	97
95) Naphthalene	14.092	128	8371	0.752	ug/l	97
96) 1,2,3-Trichlorobenzene	14.333	180	1593	0.536	ug/l	100

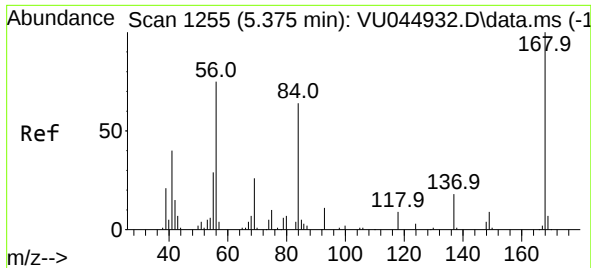
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

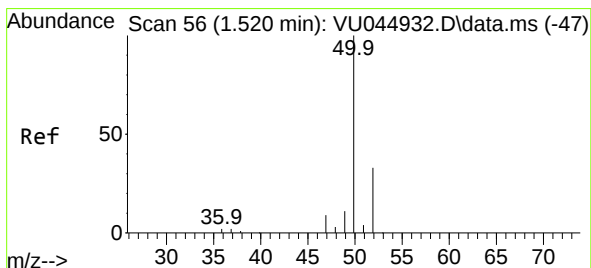
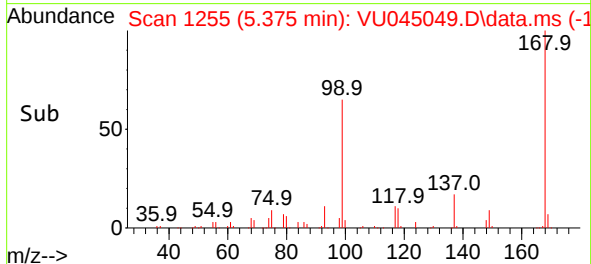
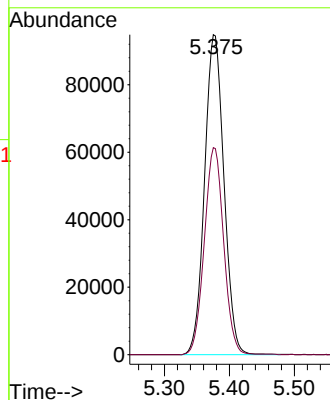
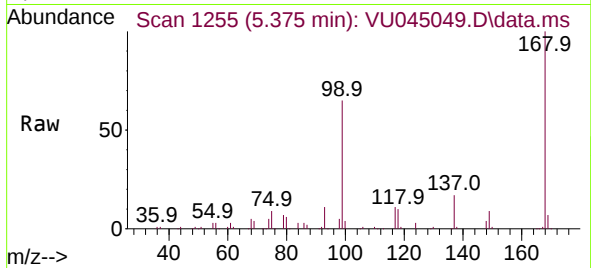




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

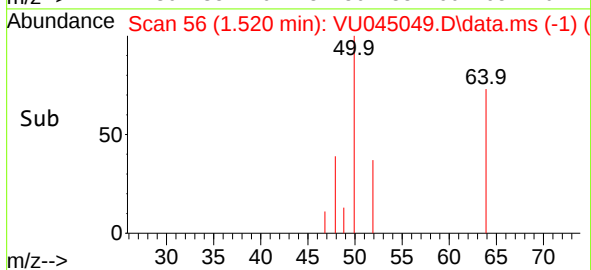
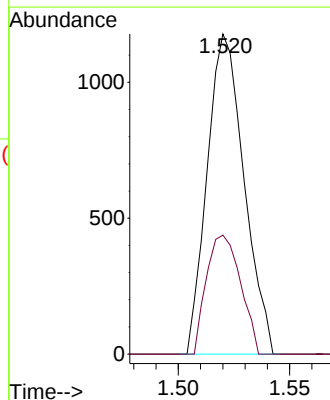
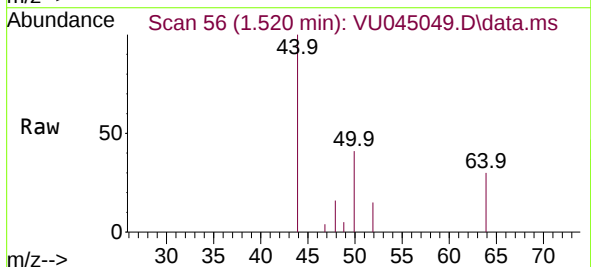
Instrument :
MSVOA_U
ClientSampled :

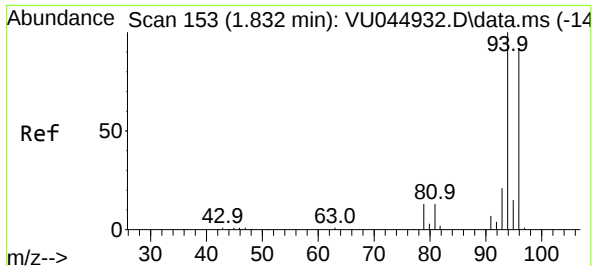
Tgt Ion:168 Resp: 197001
Ion Ratio Lower Upper
168 100
99 64.7 51.4 77.0



#3
Chloromethane
Concen: 0.428 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

Tgt Ion: 50 Resp: 1352
Ion Ratio Lower Upper
50 100
52 37.2 26.3 39.5

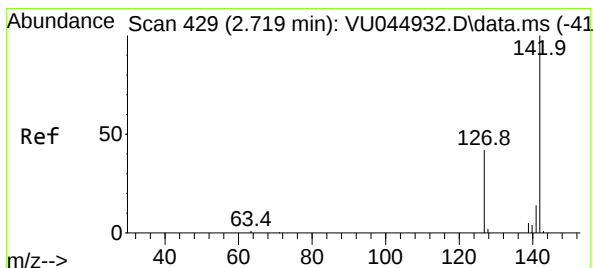
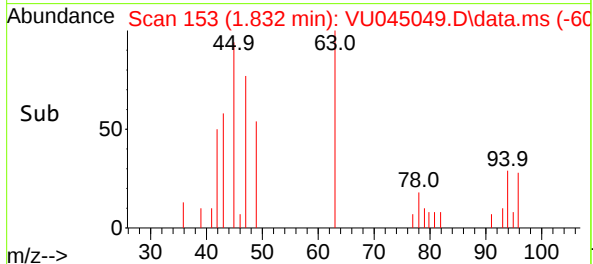
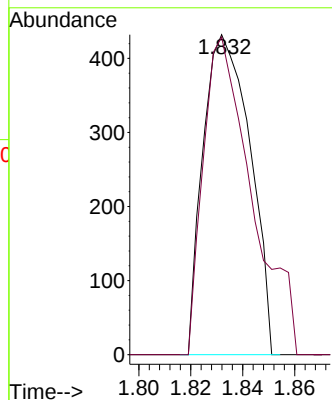
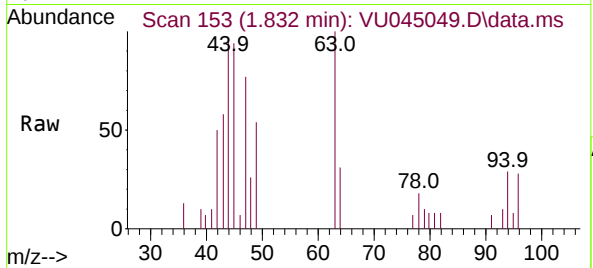




#5
Bromomethane
Concen: 0.437 ug/l
RT: 1.832 min Scan# 153
Delta R.T. -0.000 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

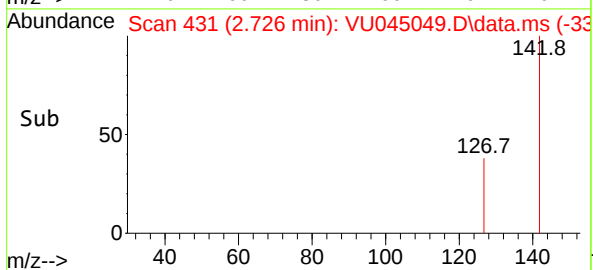
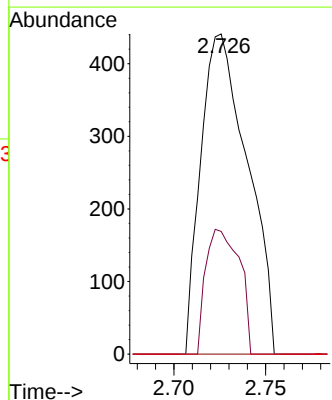
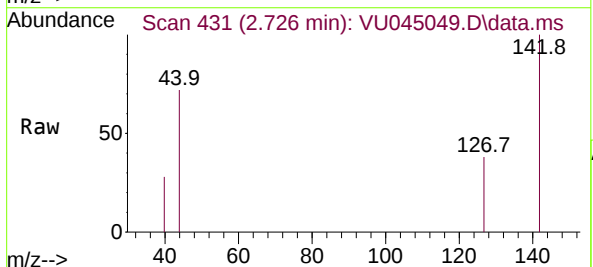
Instrument :
MSVOA_U
ClientSampleId :

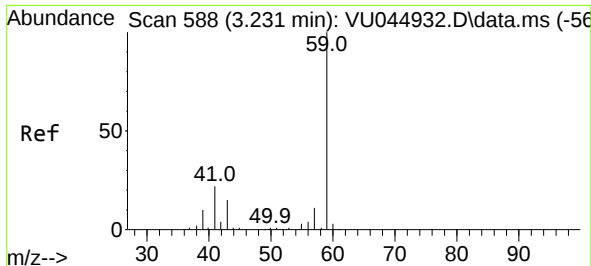
Tgt Ion: 94 Resp: 541
Ion Ratio Lower Upper
94 100
96 99.3 74.5 111.7



#10
Methyl Iodide
Concen: 0.308 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.007 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

Tgt Ion: 142 Resp: 780
Ion Ratio Lower Upper
142 100
127 28.1 35.6 53.4#
141 0.0 11.3 16.9#

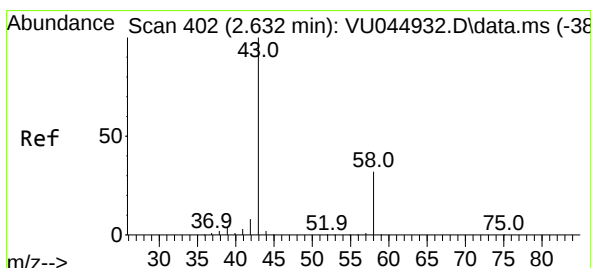
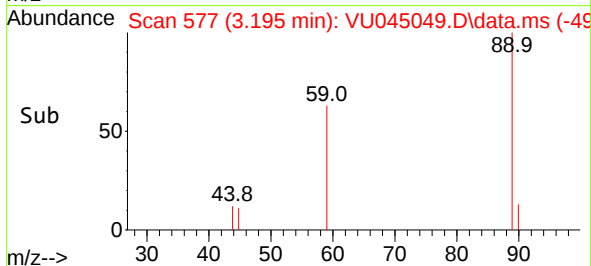
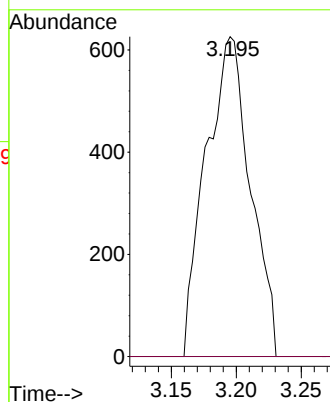
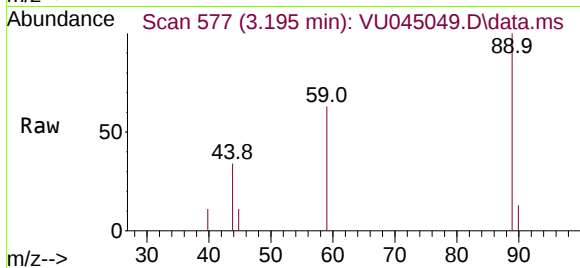




#11
Tert butyl alcohol
Concen: 1.584 ug/l
RT: 3.195 min Scan# 577
Delta R.T. -0.036 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

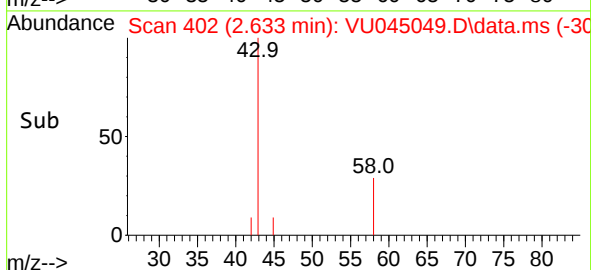
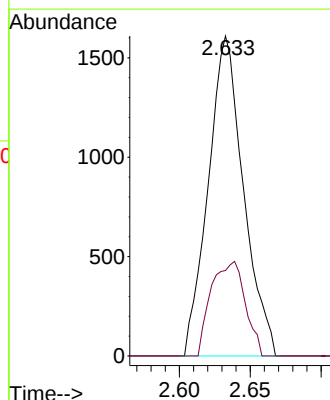
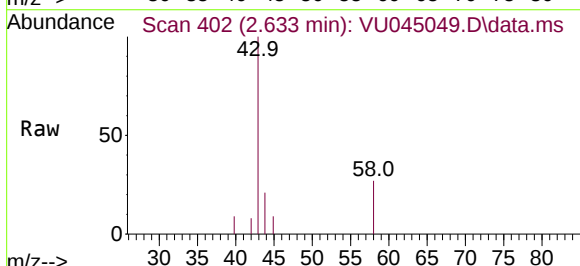
Instrument :
MSVOA_U
ClientSampled :

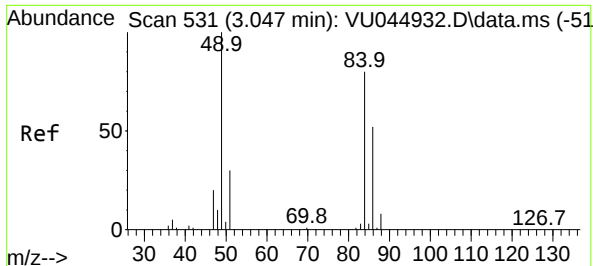
Tgt Ion: 59 Resp: 1491
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.429 ug/l
RT: 2.633 min Scan# 402
Delta R.T. 0.001 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

Tgt Ion: 43 Resp: 2782
Ion Ratio Lower Upper
43 100
58 26.7 25.2 37.8

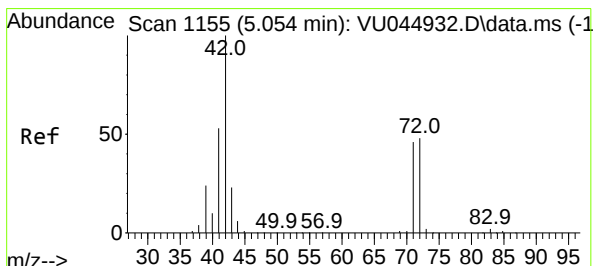
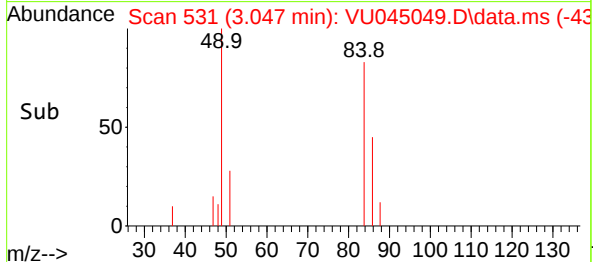
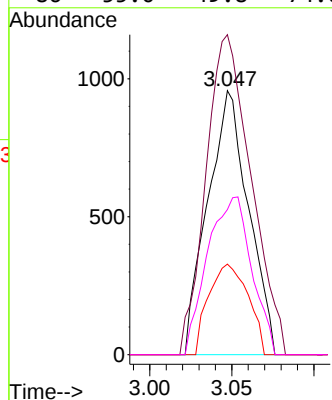
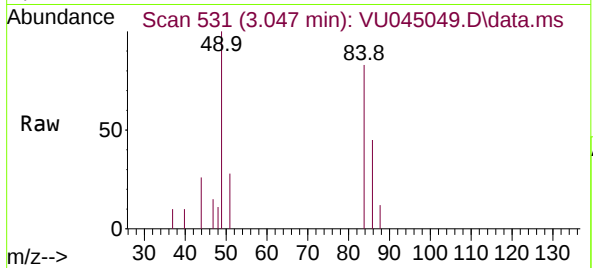




#20
Methylene Chloride
Concen: 0.564 ug/l
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

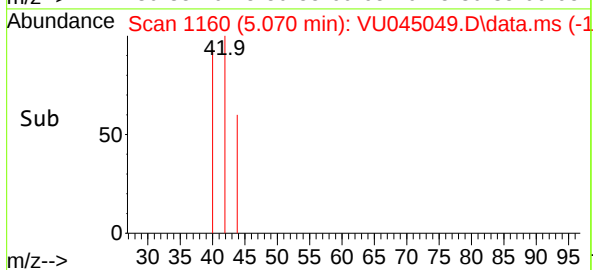
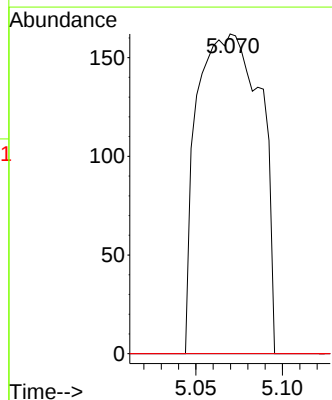
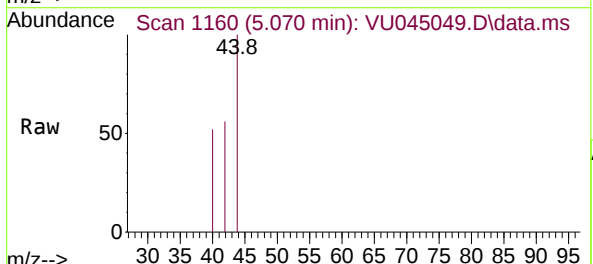
Instrument :
MSVOA_U
ClientSampleId :

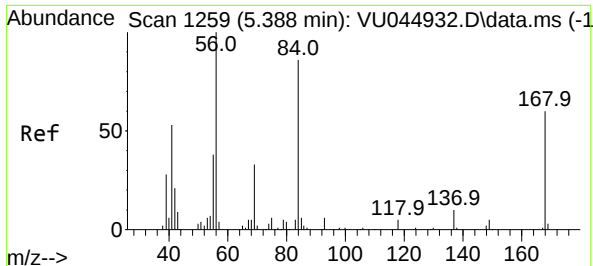
Tgt Ion:	84	Resp:	1654
Ion	Ratio	Lower	Upper
84	100		
49	121.2	104.9	157.3
51	34.3	31.8	47.8
86	55.0	49.8	74.6



#29
Tetrahydrofuran
Concen: 0.249 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.016 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

Tgt Ion:	42	Resp:	410
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.2	54.4#
71	0.0	34.1	51.1#





#31

Cyclohexane

Concen: 1.030 ug/l

RT: 5.375 min Scan# 1255

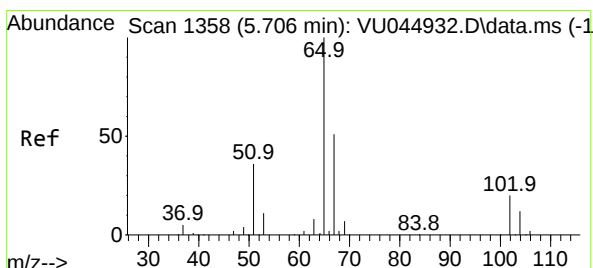
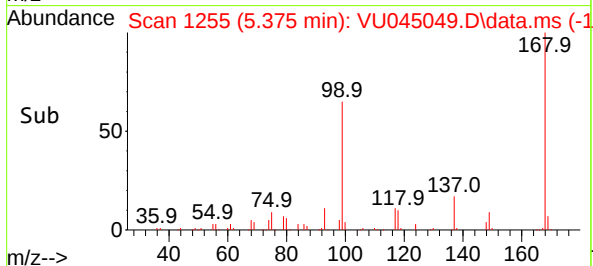
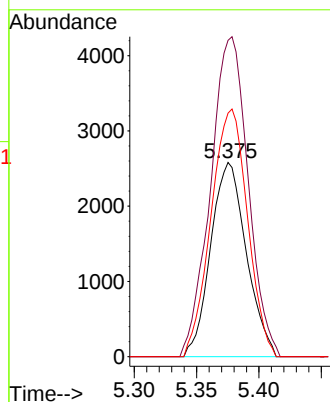
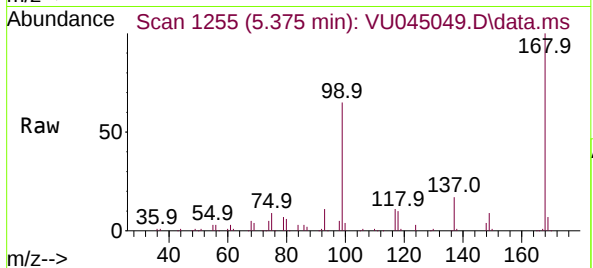
Delta R.T. -0.013 min

Lab File: VU045049.D

Acq: 30 Sep 2021 16:03

Tgt Ion:	56	Resp:	5130
Ion	Ratio	Lower	Upper
56	100		
69	162.9	25.2	37.8#
84	125.4	66.4	99.6#

Instrument :
MSVOA_U
ClientSampled :



#33

1,2-Dichloroethane-d4

Concen: 48.427 ug/l

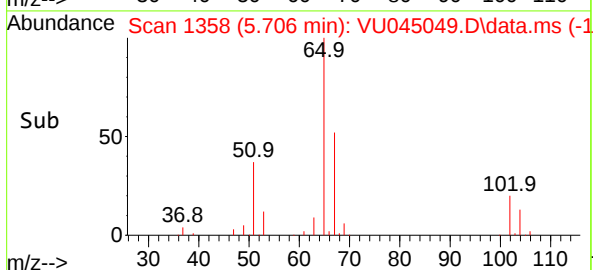
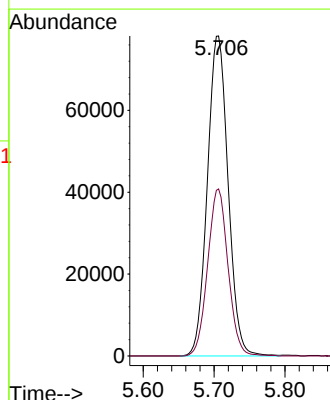
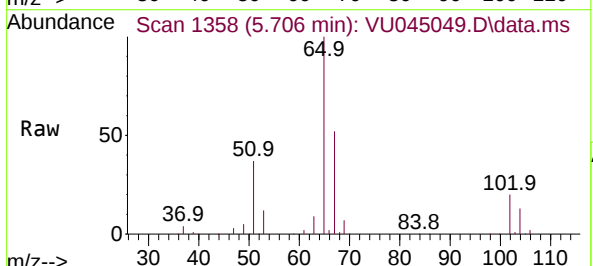
RT: 5.706 min Scan# 1358

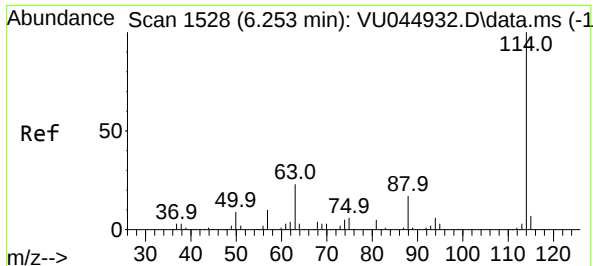
Delta R.T. 0.000 min

Lab File: VU045049.D

Acq: 30 Sep 2021 16:03

Tgt Ion:	65	Resp:	158807
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.8

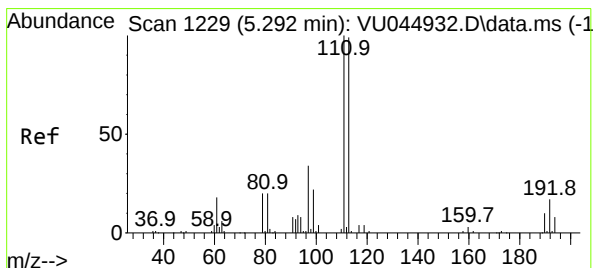
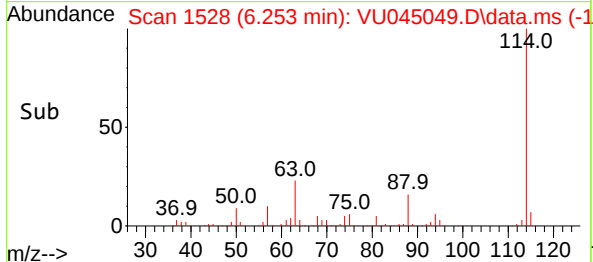
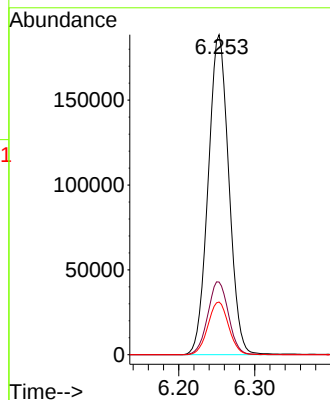
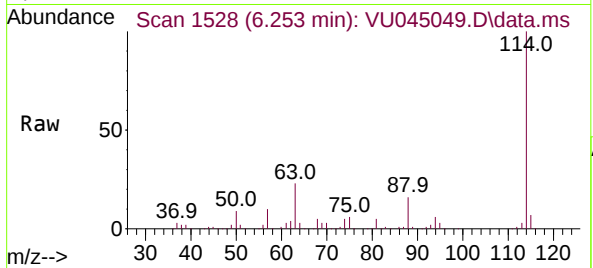




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 1528
Delta R.T. -0.000 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

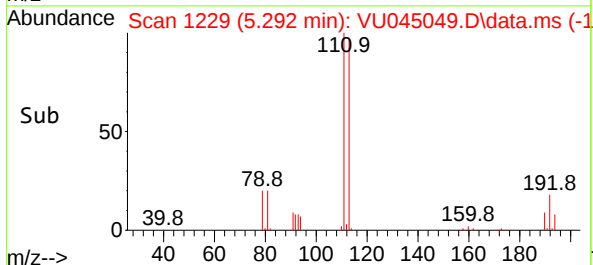
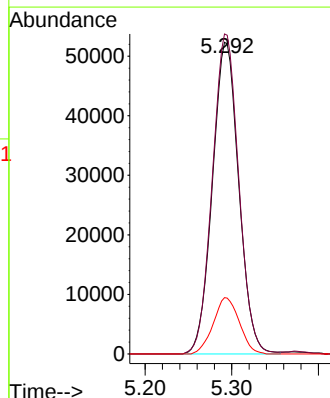
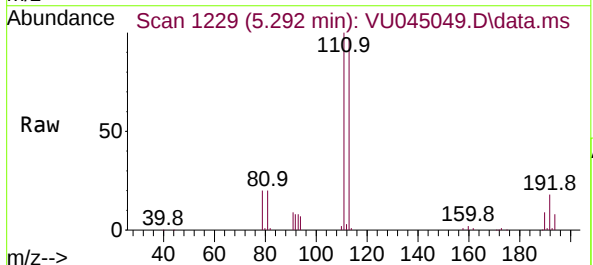
Instrument :
MSVOA_U
ClientSampleId :

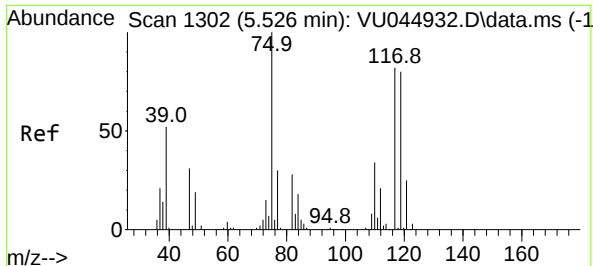
Tgt Ion:114 Resp: 355299
Ion Ratio Lower Upper
114 100
63 22.7 0.0 47.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.351 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

Tgt Ion:113 Resp: 110612
Ion Ratio Lower Upper
113 100
111 102.7 84.1 126.1
192 17.9 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.848 ug/l

RT: 5.378 min Scan# 1256

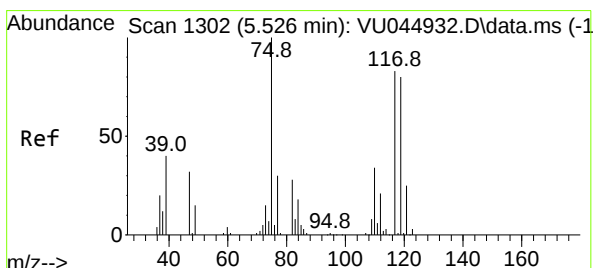
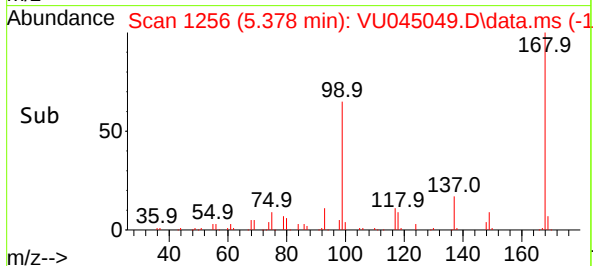
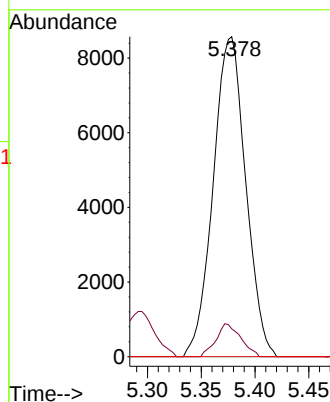
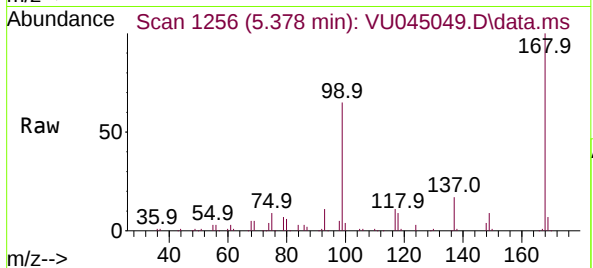
Delta R.T. -0.148 min

Lab File: VU045049.D

Acq: 30 Sep 2021 16:03

Tgt Ion:	75	Resp:	18013
Ion	Ratio	Lower	Upper
75	100		
110	7.8	16.3	48.9#
77	0.0	25.0	37.4#

Instrument :
MSVOA_U
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.292 ug/l

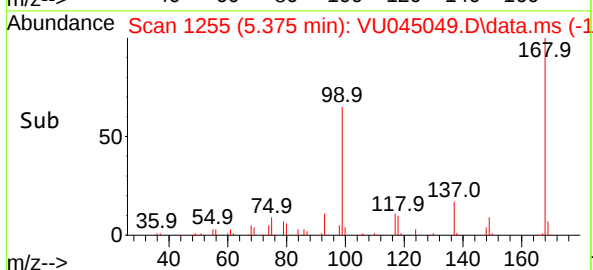
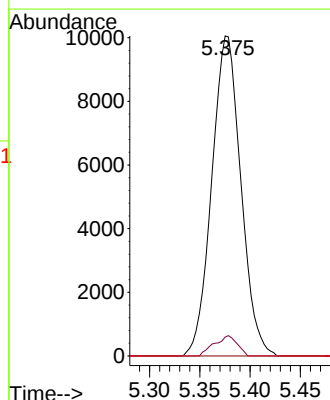
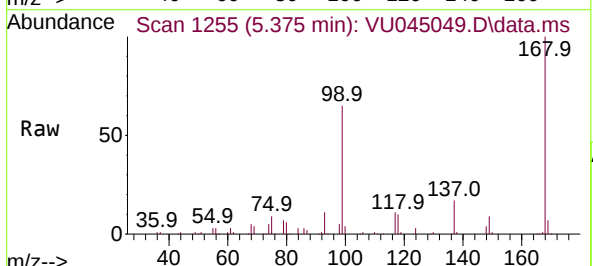
RT: 5.375 min Scan# 1255

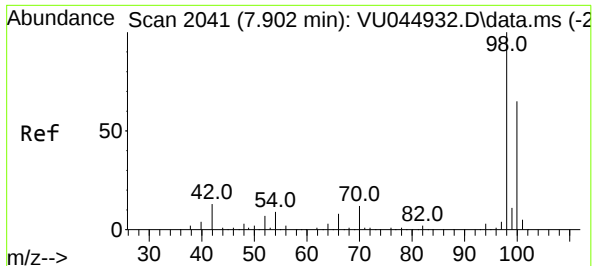
Delta R.T. -0.151 min

Lab File: VU045049.D

Acq: 30 Sep 2021 16:03

Tgt Ion:	117	Resp:	20231
Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.4	116.2#
121	0.0	24.5	36.7#

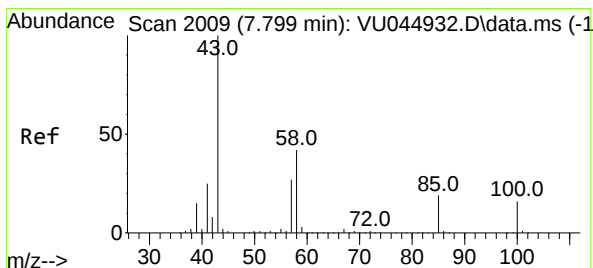
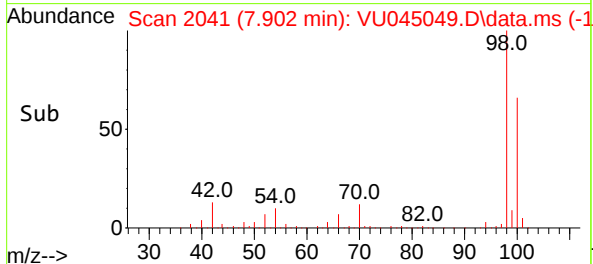
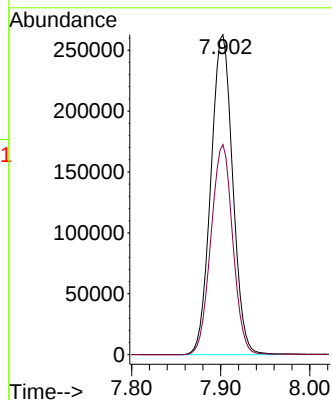
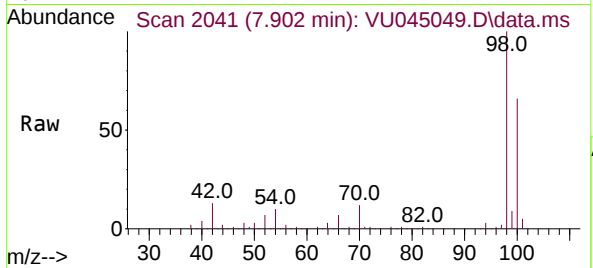




#50
Toluene-d8
Concen: 50.547 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

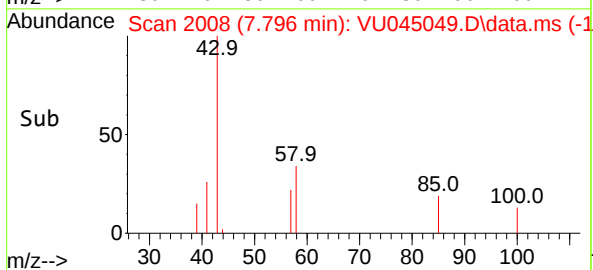
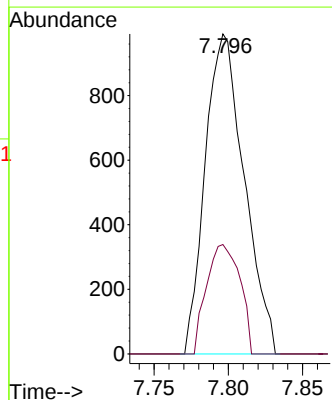
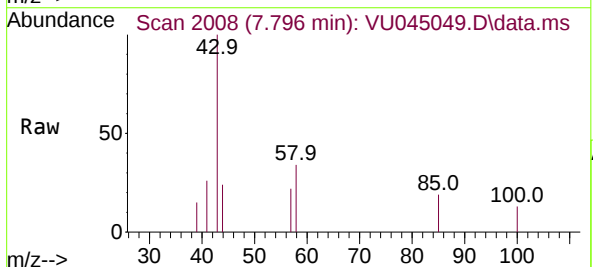
Instrument :
MSVOA_U
ClientSampled :

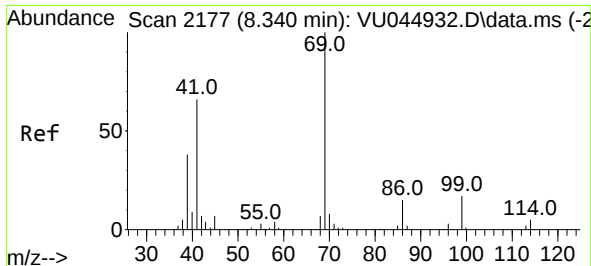
Tgt Ion: 98 Resp: 447642
Ion Ratio Lower Upper
98 100
100 65.8 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.337 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.003 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

Tgt Ion: 43 Resp: 1812
Ion Ratio Lower Upper
43 100
58 29.1 32.4 48.6#

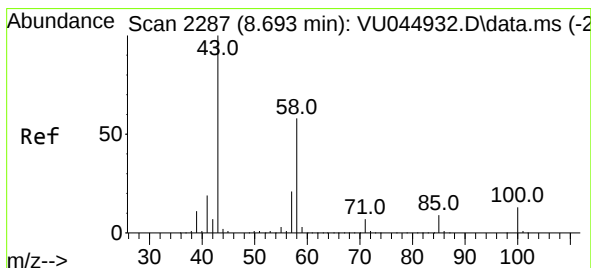
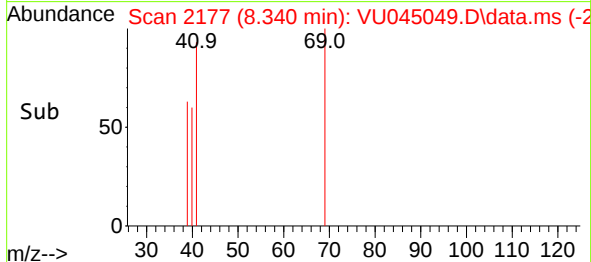
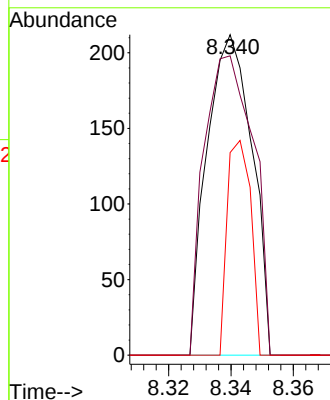
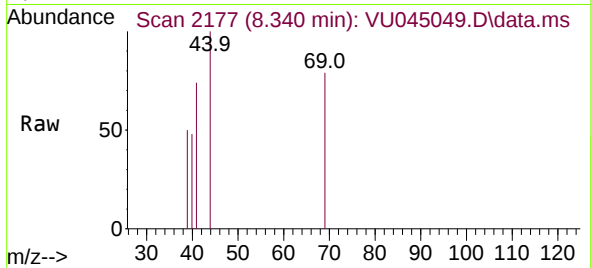




#56
Ethyl methacrylate
Concen: 1.857 ug/l
RT: 8.340 min Scan# 2177
Delta R.T. -0.000 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

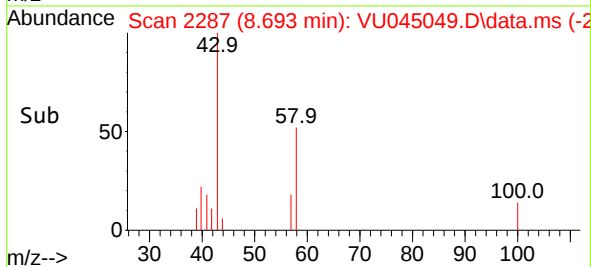
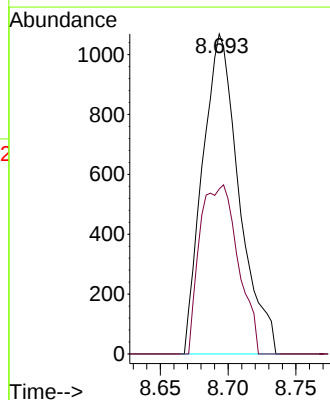
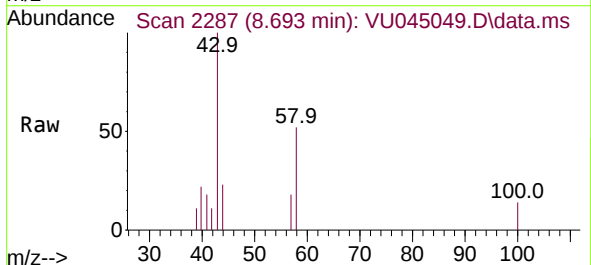
Instrument :
MSVOA_U
ClientSampled :

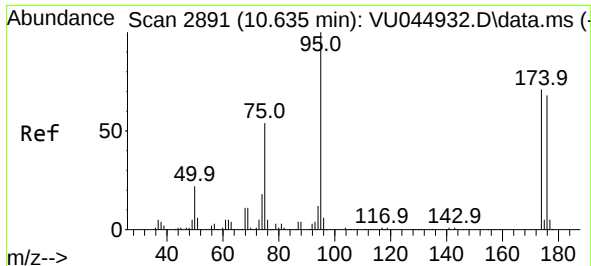
Tgt Ion: 69 Resp: 212
Ion Ratio Lower Upper
69 100
41 102.4 53.5 80.3#
39 35.4 31.1 46.7



#59
2-Hexanone
Concen: 0.457 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. 0.000 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

Tgt Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
58 55.1 28.0 84.0

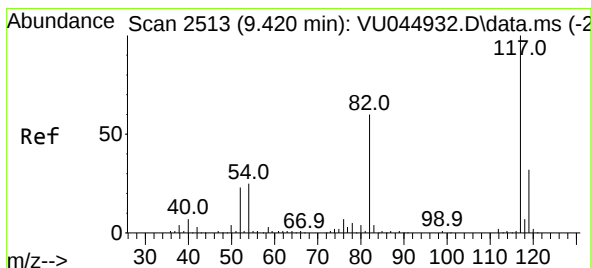
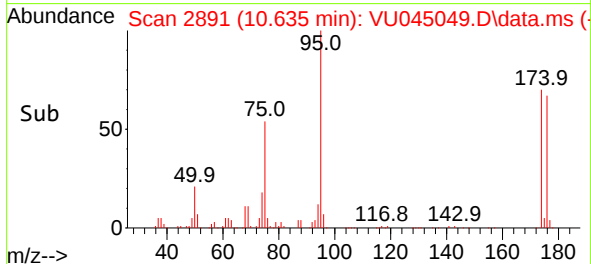
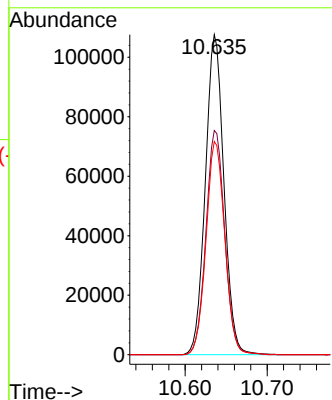
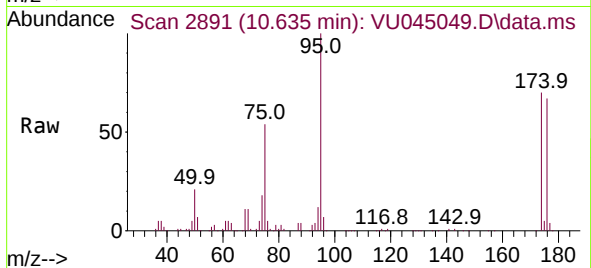




#62
4-Bromofluorobenzene
Concen: 46.161 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

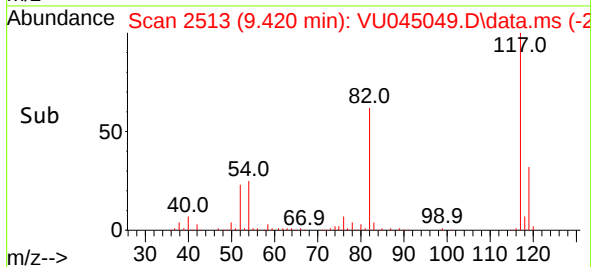
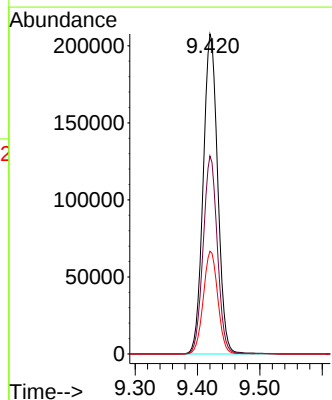
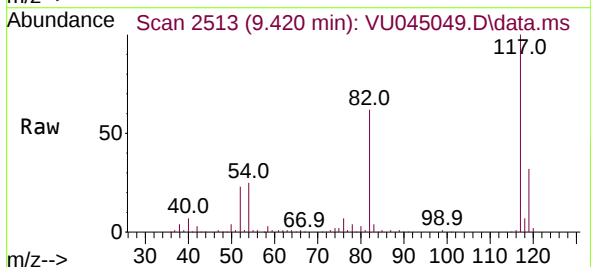
Instrument :
MSVOA_U
ClientSampleId :

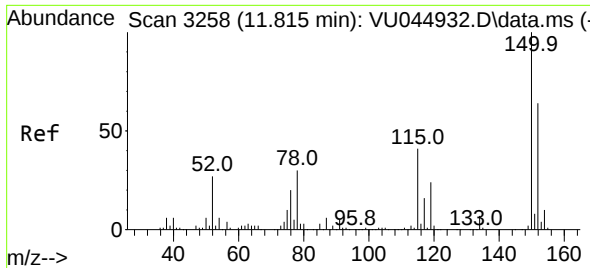
Tgt Ion: 95 Resp: 168775
Ion Ratio Lower Upper
95 100
174 70.9 0.0 146.6
176 67.4 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

Tgt Ion: 117 Resp: 336261
Ion Ratio Lower Upper
117 100
82 61.9 47.8 71.8
119 32.1 25.8 38.6

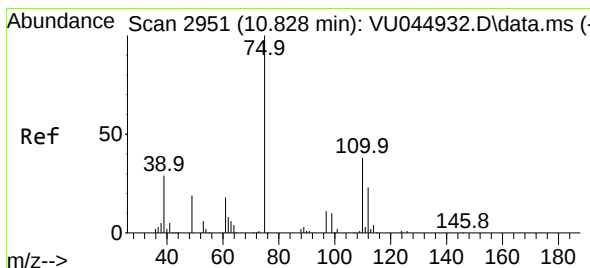
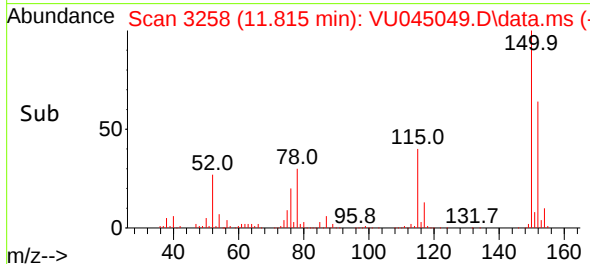
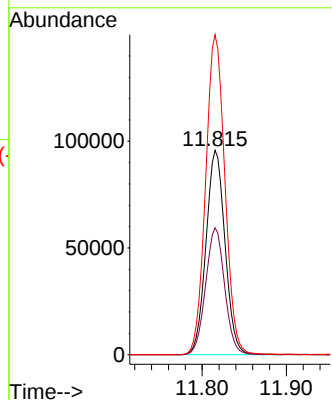
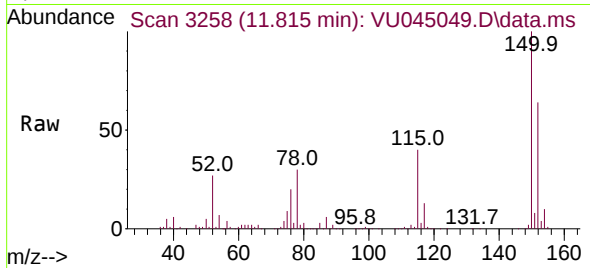




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.815 min Scan# 3258
 Delta R.T. 0.000 min
 Lab File: VU045049.D
 Acq: 30 Sep 2021 16:03

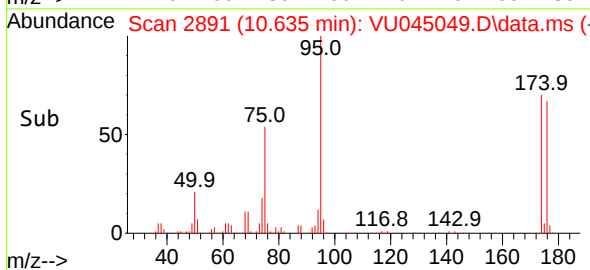
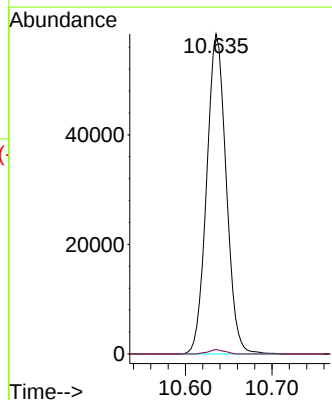
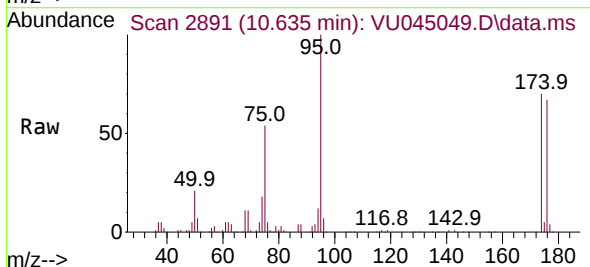
Instrument :
 MSVOA_U
 ClientSampled :

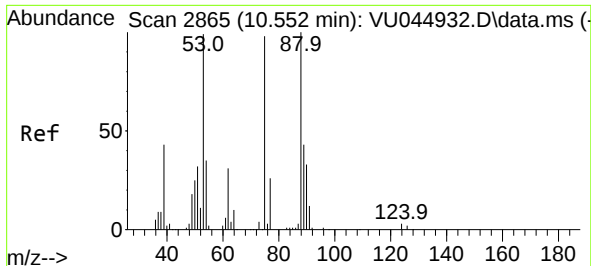
Tgt Ion:152 Resp: 150859
 Ion Ratio Lower Upper
 152 100
 115 62.0 43.5 130.7
 150 158.0 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 20.809 ug/l
 RT: 10.635 min Scan# 2891
 Delta R.T. -0.193 min
 Lab File: VU045049.D
 Acq: 30 Sep 2021 16:03

Tgt Ion: 75 Resp: 91567
 Ion Ratio Lower Upper
 75 100
 77 1.1 17.9 53.7#

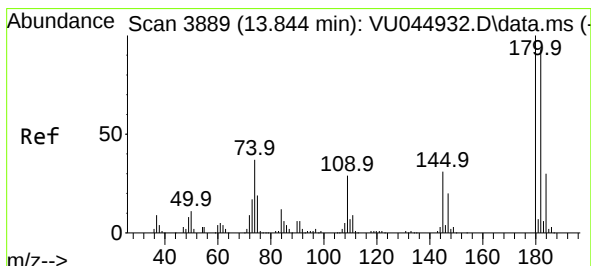
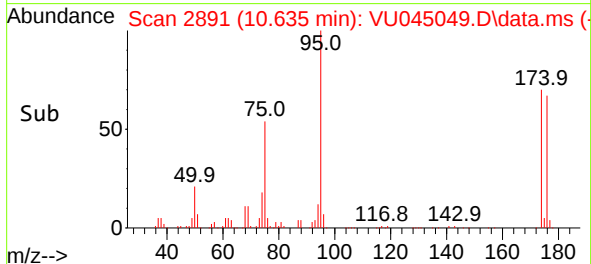
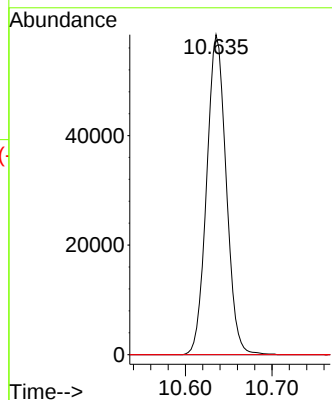
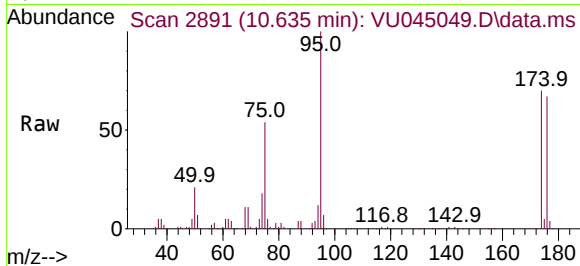




#81
trans-1,4-Dichloro-2-butene
Concen: 57.749 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

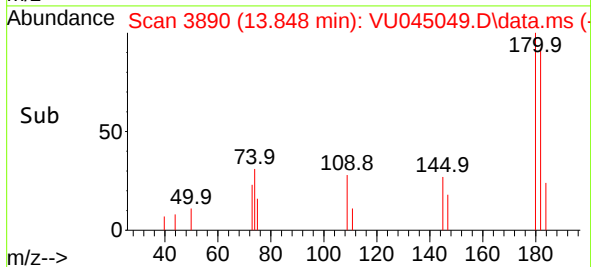
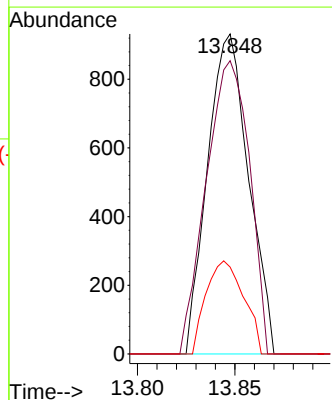
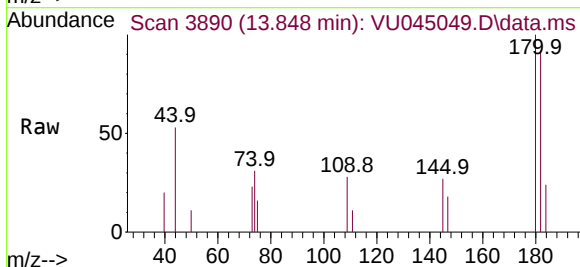
Instrument :
MSVOA_U
ClientSampled :

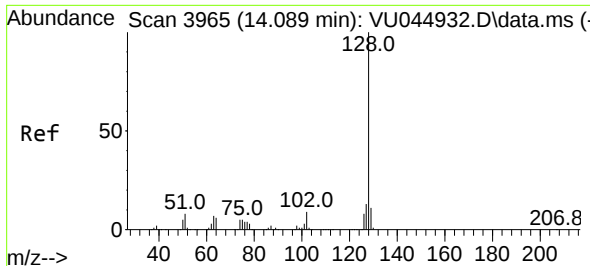
Tgt Ion: 75 Resp: 91567
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.462 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.004 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

Tgt Ion:180 Resp: 1366
Ion Ratio Lower Upper
180 100
182 96.7 47.4 142.3
145 26.7 15.4 46.2

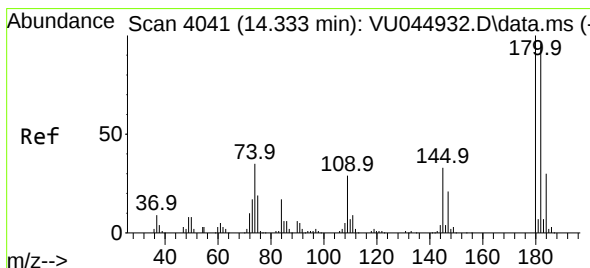
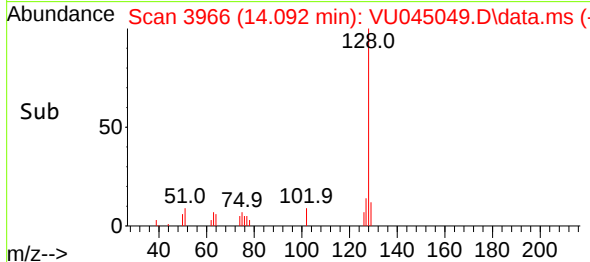
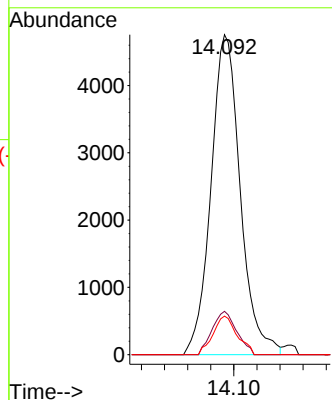
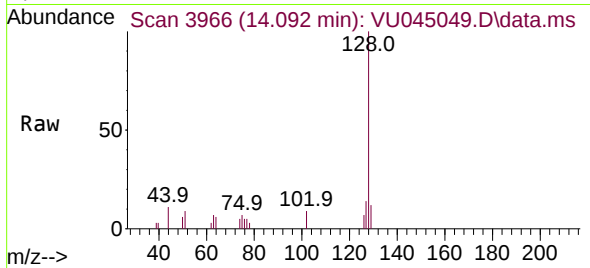




#95
Naphthalene
Concen: 0.752 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:	128	Resp:	8371
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.4	15.6
129	9.9	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.536 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VU045049.D
Acq: 30 Sep 2021 16:03

Tgt Ion:	180	Resp:	1593
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.1	141.4
145	32.8	16.4	49.2

