

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110921\
 Data File : VU045669.D
 Acq On : 09 Nov 2021 19:23
 Operator : SY/MD
 Sample : M4594-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP01-20211108

Quant Time: Nov 22 07:30:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

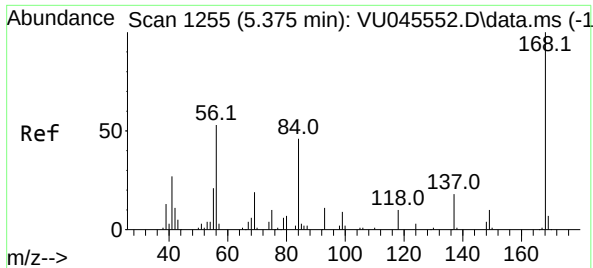
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.378	168	136770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	255065	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	256595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	129086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	109734	53.574	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.140%	
35) Dibromofluoromethane	5.292	113	86075	50.545	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.100%	
50) Toluene-d8	7.899	98	333395	52.650	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.300%	
62) 4-Bromofluorobenzene	10.636	95	127635	50.265	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.540%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	22840	12.880	ug/l	98
4) Vinyl Chloride	1.607	62	287022	145.221	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.584	101	31335	20.532	ug/l	99
11) Tert butyl alcohol	3.182	59	1038	2.560	ug/l #	72
12) 1,1-Dichloroethene	2.584	96	27335	18.166	ug/l	96
14) Allyl chloride	2.755	41	966	0.360	ug/l #	63
16) Acetone	2.633	43	2145	2.057	ug/l	97
18) Methyl Acetate	2.758	43	2979	0.839	ug/l #	50
20) Methylene Chloride	3.051	84	409	0.226	ug/l #	82
21) trans-1,2-Dichloroethene	3.356	96	34479	22.025	ug/l	94
24) 1,1-Dichloroethane	3.871	63	862	0.274	ug/l #	82
27) cis-1,2-Dichloroethene	4.671	96	4590231	2496.552	ug/l	91
29) Tetrahydrofuran	5.054	42	604	0.683	ug/l #	73
31) Cyclohexane	5.378	56	2990	1.000	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	12544	5.044	ug/l #	50
38) Carbon Tetrachloride	5.375	117	14822	5.911	ug/l #	16
39) Methylcyclohexane	6.549	83	70112	22.979	ug/l #	1
41) Methacrylonitrile	5.060	41	711	0.471	ug/l #	33
44) Trichloroethene	6.549	130	5323590	3020.390	ug/l	96
45) 1,2-Dichloropropane	6.549	63	18875	9.688	ug/l #	1
51) 4-Methyl-2-Pentanone	7.903	43	1309	0.454	ug/l #	1
60) Dibromochloromethane	8.552	129	794	0.408	ug/l #	11
64) Tetrachloroethene	8.555	164	894	0.607	ug/l #	87
76) 1,2,3-Trichloropropane	10.636	75	67376	17.211	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.636	75	67376	56.001	ug/l #	12
95) Naphthalene	14.092	128	160	1.044	ug/l #	69

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

Quant Time: Nov 22 07:30:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
Response via : Initial Calibration

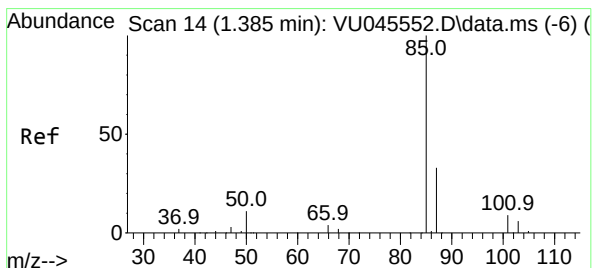
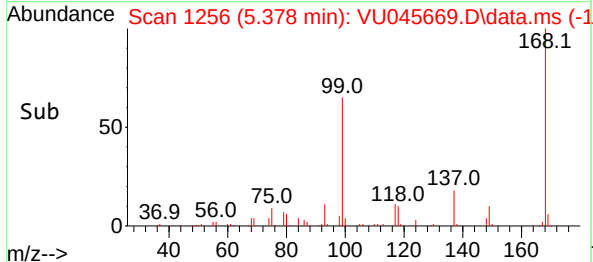
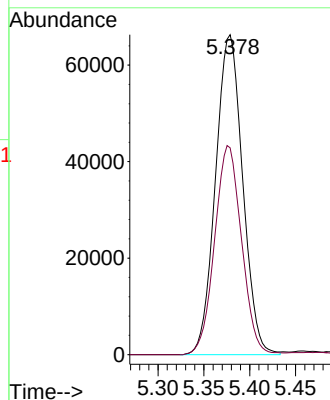
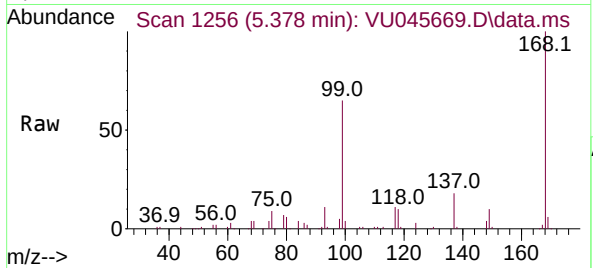




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

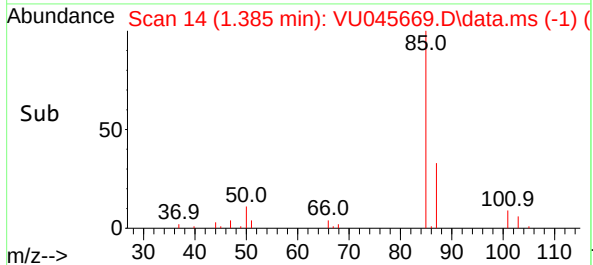
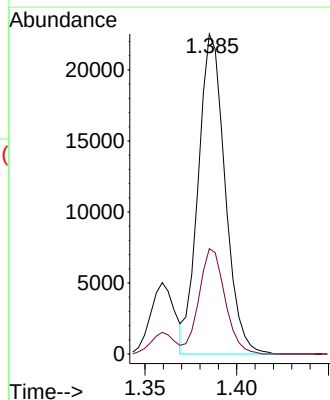
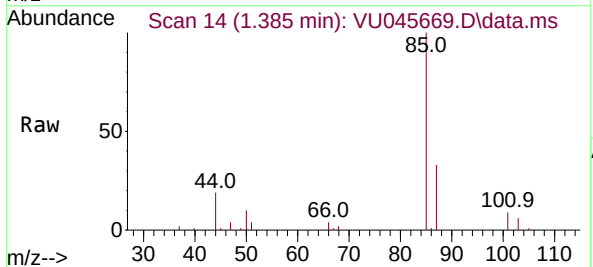
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20211108

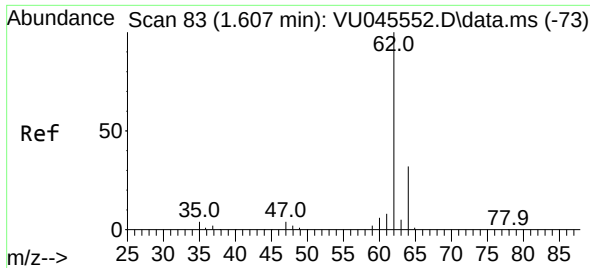
Tgt Ion:168 Resp: 136770
Ion Ratio Lower Upper
168 100
99 64.6 51.0 76.6



#2
Dichlorodifluoromethane
Concen: 12.880 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Tgt Ion: 85 Resp: 22840
Ion Ratio Lower Upper
85 100
87 32.9 15.9 47.7

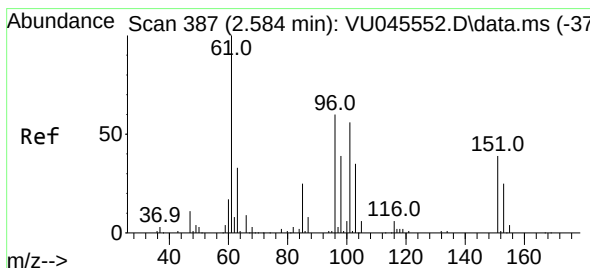
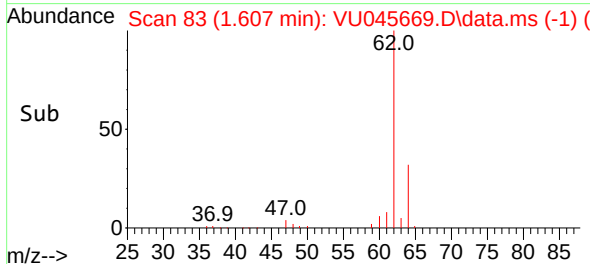
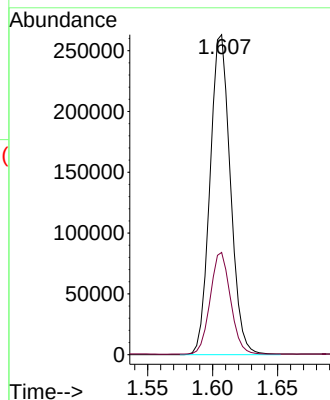
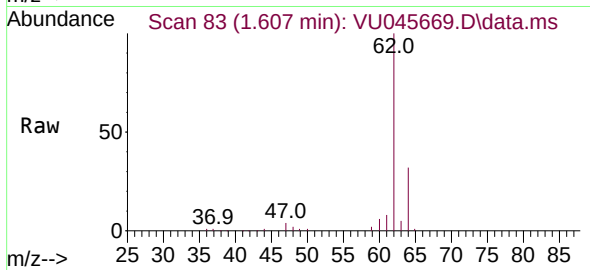




#4
 Vinyl Chloride
 Concen: 145.221 ug/l
 RT: 1.607 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU045669.D
 Acq: 09 Nov 2021 19:23

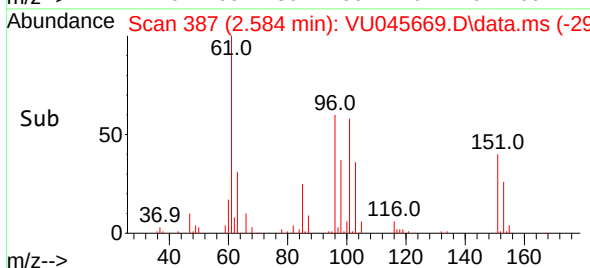
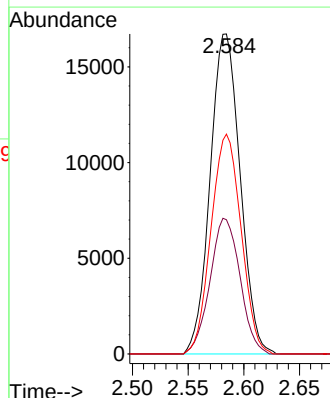
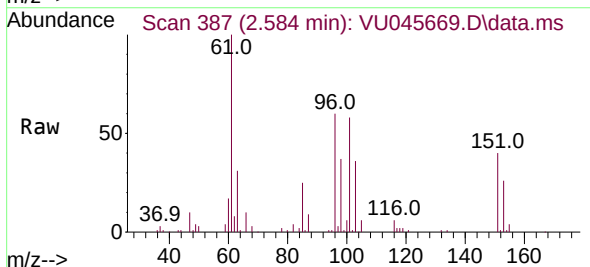
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP01-20211108

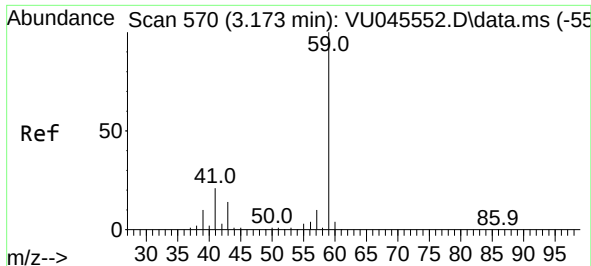
Tgt Ion: 62 Resp: 287022
 Ion Ratio Lower Upper
 62 100
 64 31.7 25.8 38.6



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.532 ug/l
 RT: 2.584 min Scan# 387
 Delta R.T. 0.000 min
 Lab File: VU045669.D
 Acq: 09 Nov 2021 19:23

Tgt Ion: 101 Resp: 31335
 Ion Ratio Lower Upper
 101 100
 85 42.4 35.0 52.4
 151 68.9 54.6 82.0

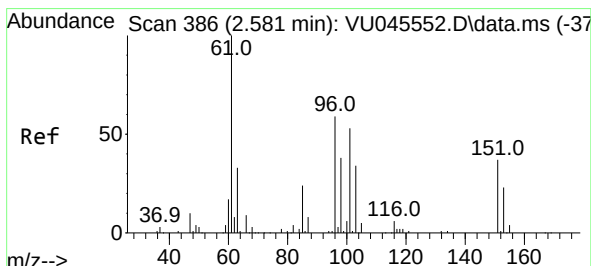
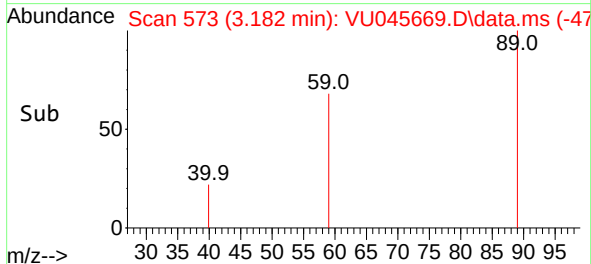
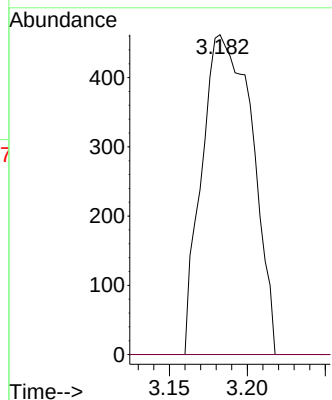
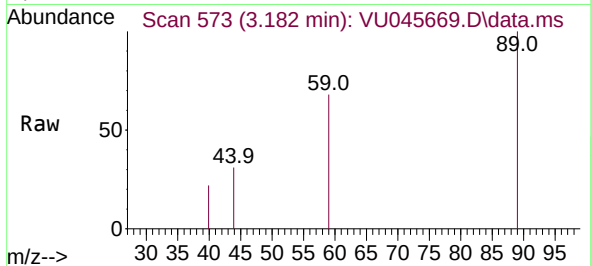




#11
Tert butyl alcohol
Concen: 2.560 ug/l
RT: 3.182 min Scan# 51
Delta R.T. 0.010 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

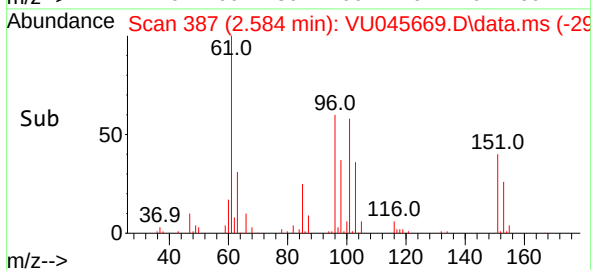
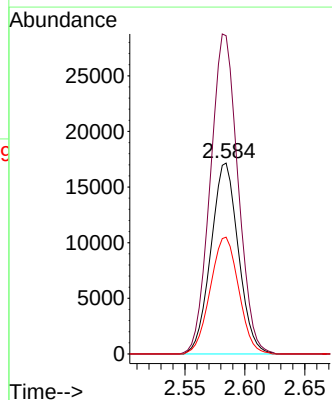
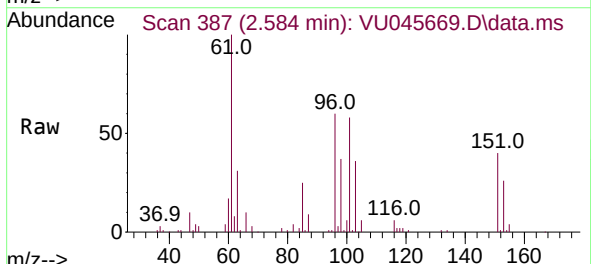
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20211108

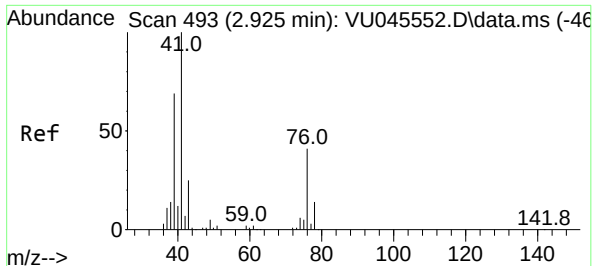
Tgt Ion: 59 Resp: 1038
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 18.166 ug/l
RT: 2.584 min Scan# 387
Delta R.T. 0.003 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Tgt Ion: 96 Resp: 27335
Ion Ratio Lower Upper
96 100
61 166.7 137.1 205.7
98 61.1 51.5 77.3





#14

Allyl chloride

Concen: 0.360 ug/l

RT: 2.755 min Scan# 41

Delta R.T. -0.170 min

Lab File: VU045669.D

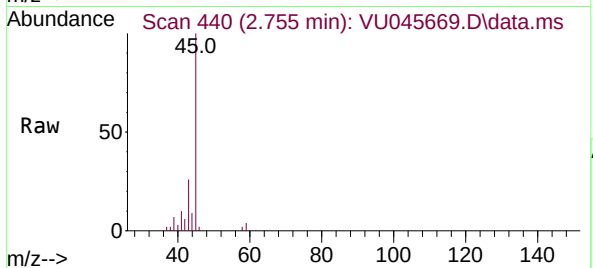
Acq: 09 Nov 2021 19:23

Instrument :

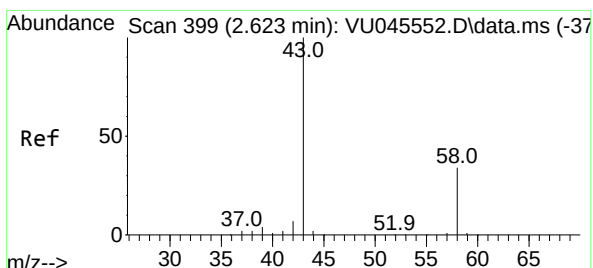
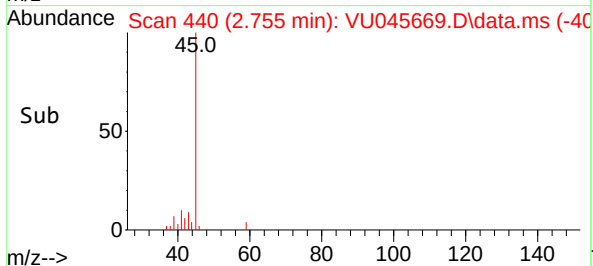
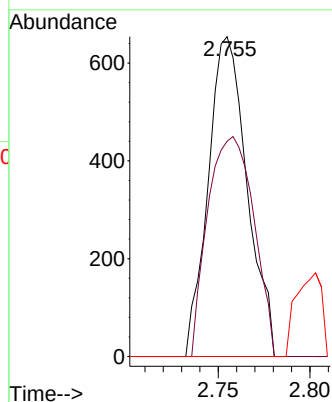
MSVOA_U

ClientSampleId :

DUP01-20211108



Tgt Ion: 41	Resp: 966
Ion Ratio	Lower Upper
41	100
39	81.2 49.7 74.5#
76	0.0 27.7 41.5#



#16

Acetone

Concen: 2.057 ug/l

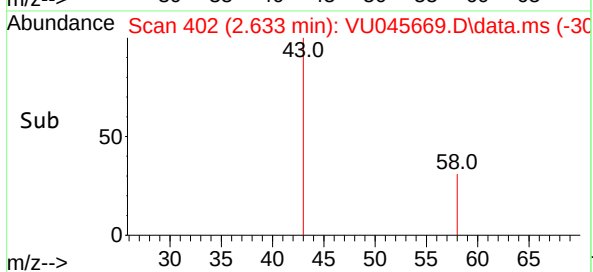
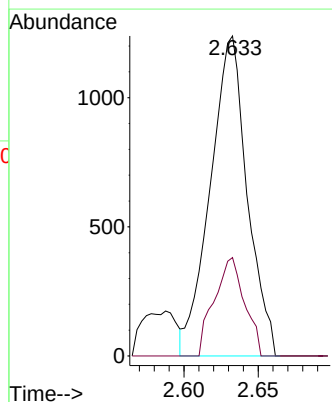
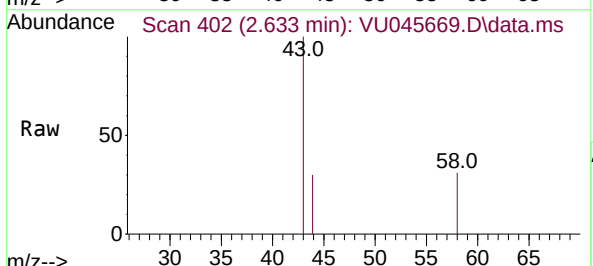
RT: 2.633 min Scan# 402

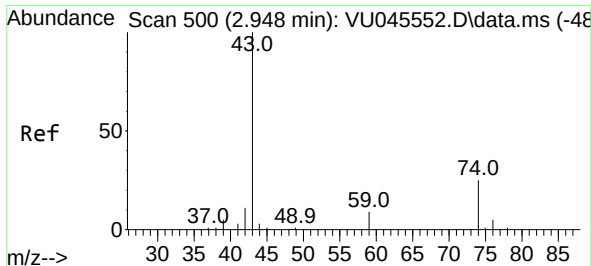
Delta R.T. 0.010 min

Lab File: VU045669.D

Acq: 09 Nov 2021 19:23

Tgt Ion: 43	Resp: 2145
Ion Ratio	Lower Upper
43	100
58	30.8 26.2 39.2

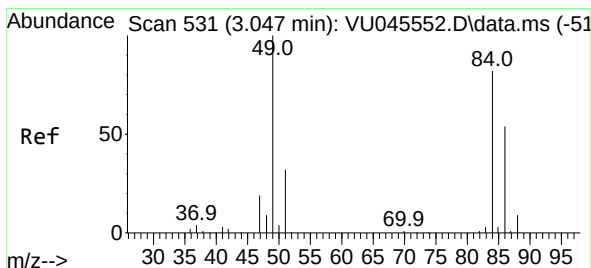
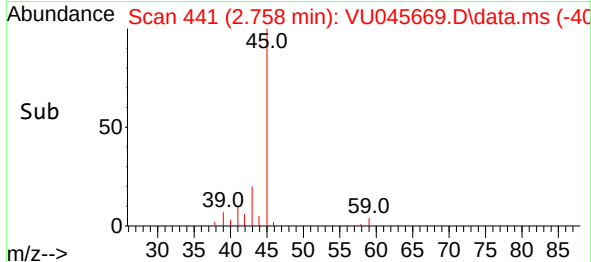
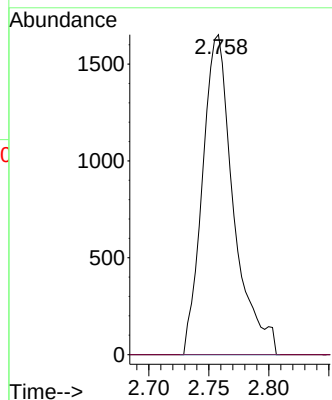
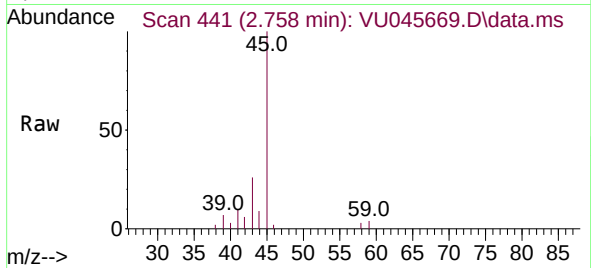




#18
Methyl Acetate
Concen: 0.839 ug/l
RT: 2.758 min Scan# 441
Delta R.T. -0.190 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

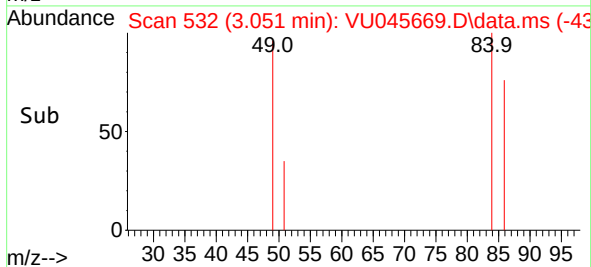
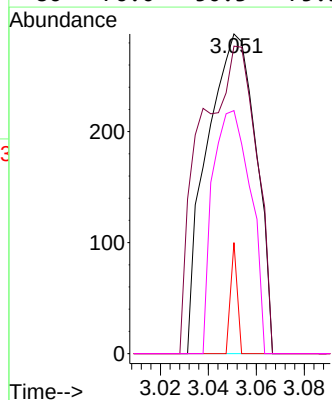
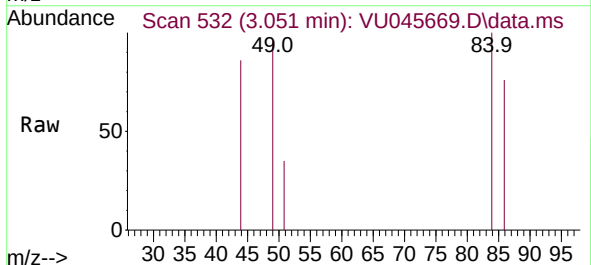
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20211108

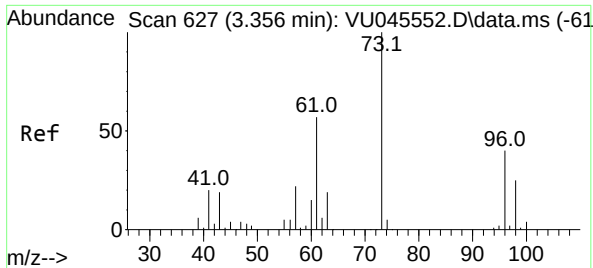
Tgt Ion: 43 Resp: 2979
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 0.226 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Tgt Ion: 84 Resp: 409
Ion Ratio Lower Upper
84 100
49 96.2 96.4 144.6#
51 34.7 30.5 45.7
86 76.0 50.3 75.5#

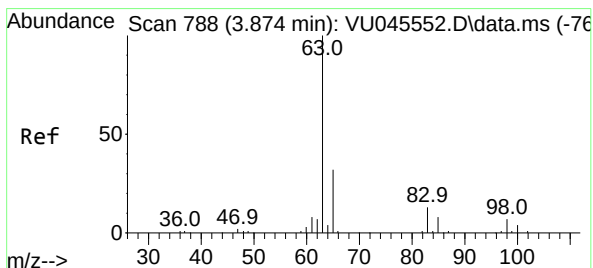
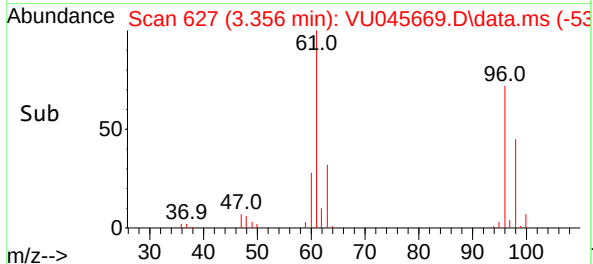
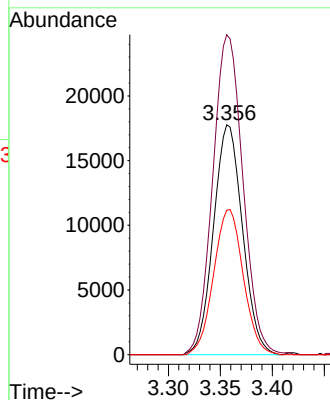
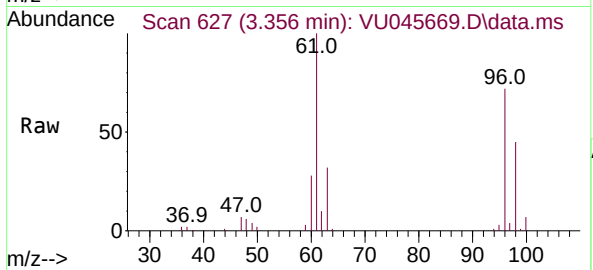




#21
trans-1,2-Dichloroethene
Concen: 22.025 ug/l
RT: 3.356 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

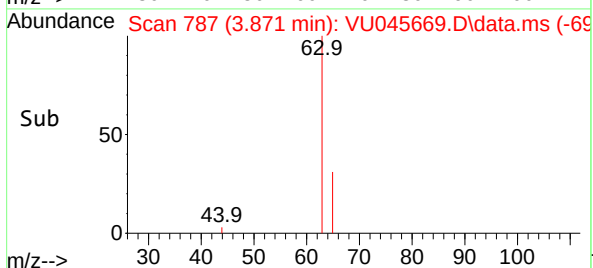
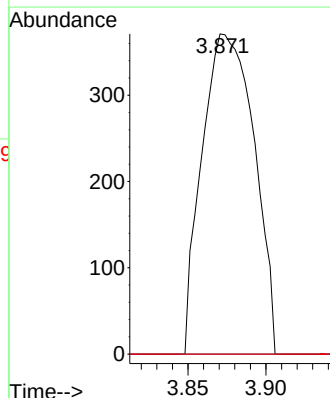
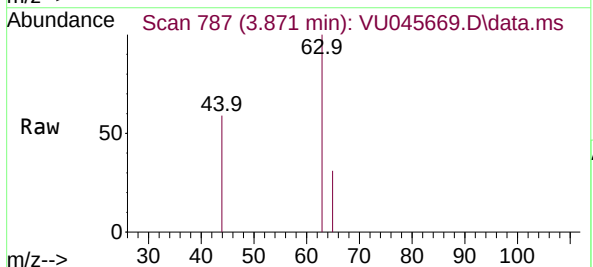
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20211108

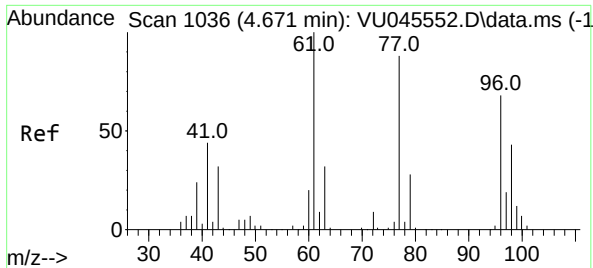
Tgt Ion: 96 Resp: 34479
Ion Ratio Lower Upper
96 100
61 139.2 118.2 177.4
98 62.8 52.1 78.1



#24
1,1-Dichloroethane
Concen: 0.274 ug/l
RT: 3.871 min Scan# 787
Delta R.T. -0.003 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Tgt Ion: 63 Resp: 862
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.6#
100 0.0 2.4 7.2#





#27

cis-1,2-Dichloroethene

Concen: 2496.552 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU045669.D

Acq: 09 Nov 2021 19:23

Instrument :

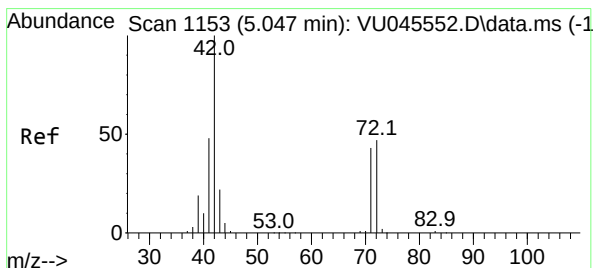
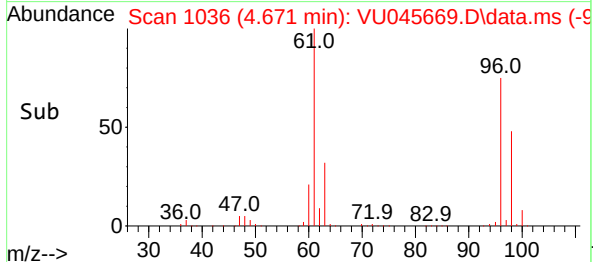
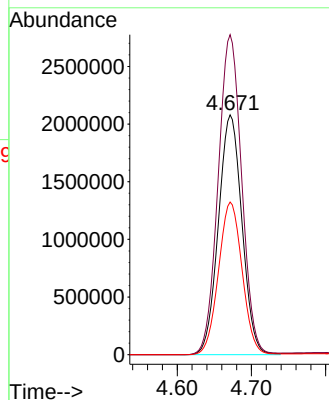
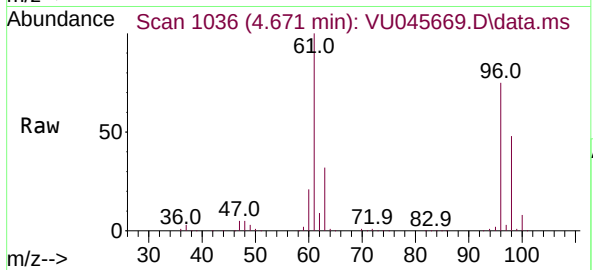
MSVOA_U

ClientSampleId :

DUP01-20211108

Tgt Ion: 96 Resp: 4590231

Ion	Ratio	Lower	Upper
96	100		
61	133.3	0.0	299.2
98	63.8	0.0	127.6



#29

Tetrahydrofuran

Concen: 0.683 ug/l

RT: 5.054 min Scan# 1155

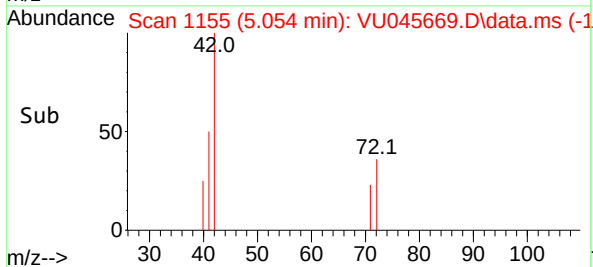
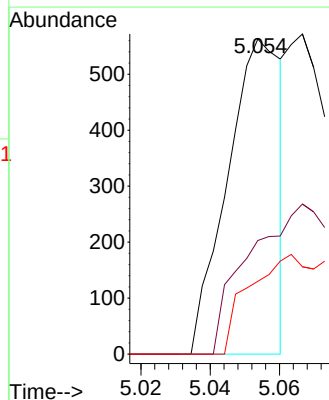
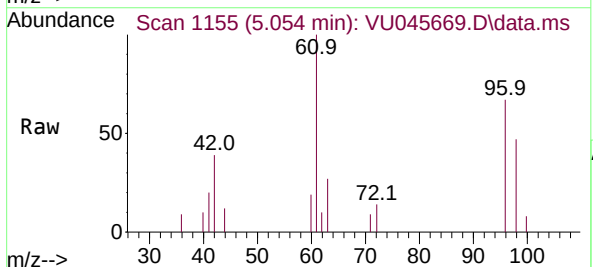
Delta R.T. 0.006 min

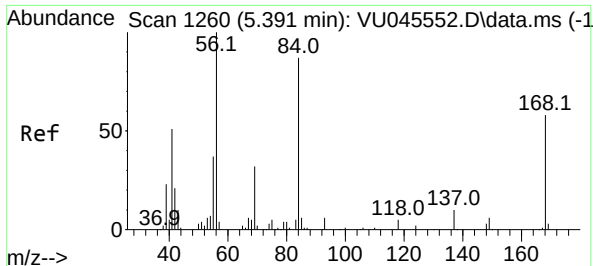
Lab File: VU045669.D

Acq: 09 Nov 2021 19:23

Tgt Ion: 42 Resp: 604

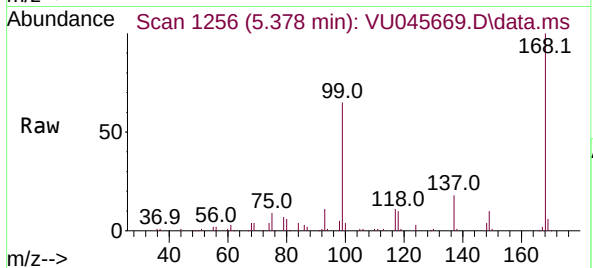
Ion	Ratio	Lower	Upper
42	100		
72	77.0	38.2	57.4#
71	50.8	35.4	53.2



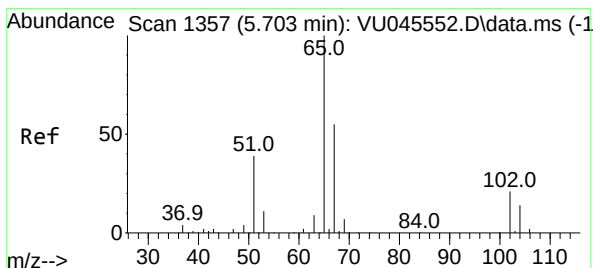
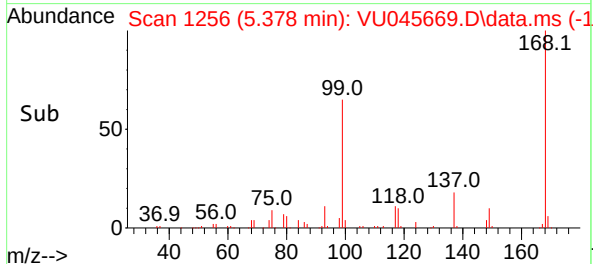
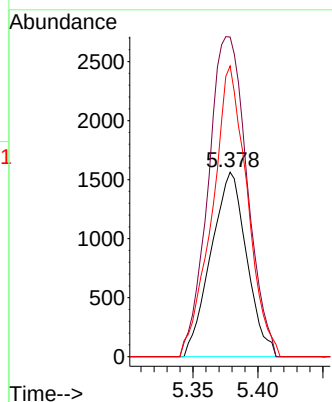


#31
Cyclohexane
Concen: 1.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Instrument :
MSVOA_U
ClientSampleId :
DUP01-20211108

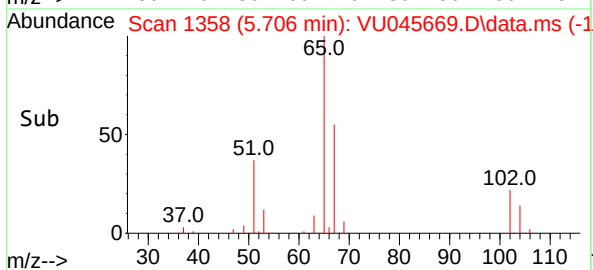
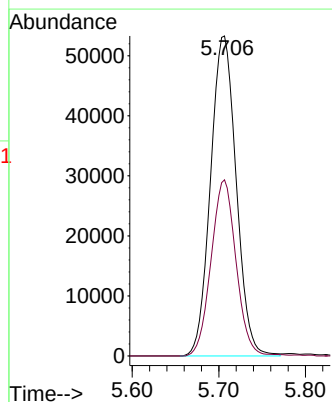
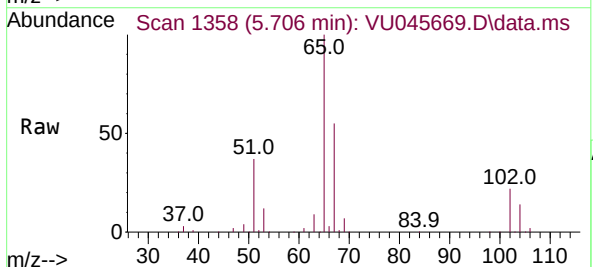


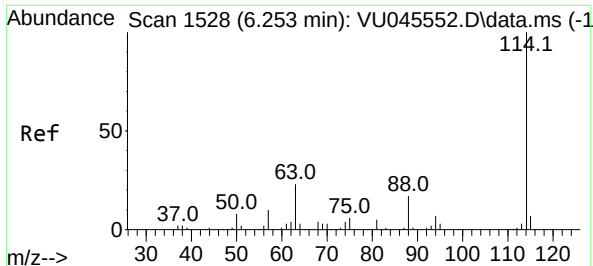
Tgt Ion: 56 Resp: 2990
Ion Ratio Lower Upper
56 100
69 173.3 26.4 39.6#
84 157.6 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 53.574 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.003 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Tgt Ion: 65 Resp: 109734
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

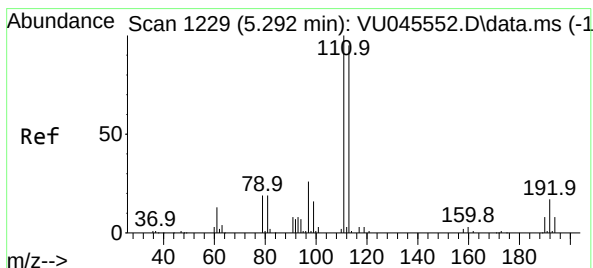
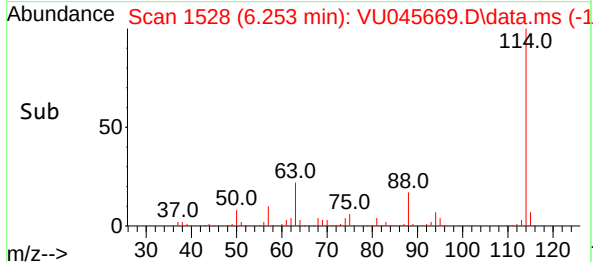
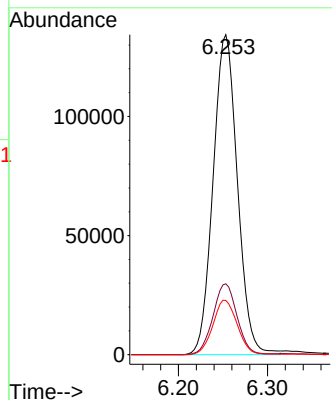
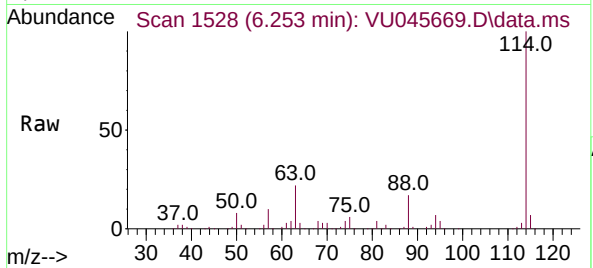




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 114
Delta R.T. 0.000 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

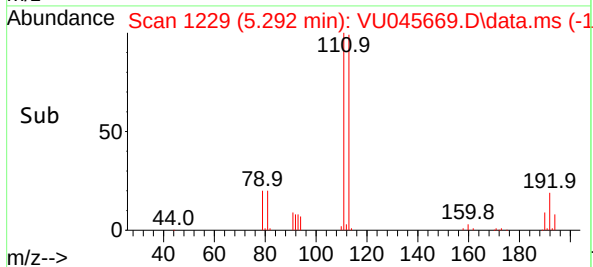
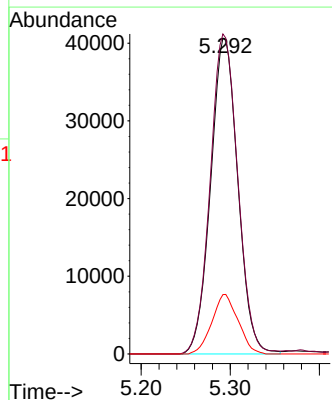
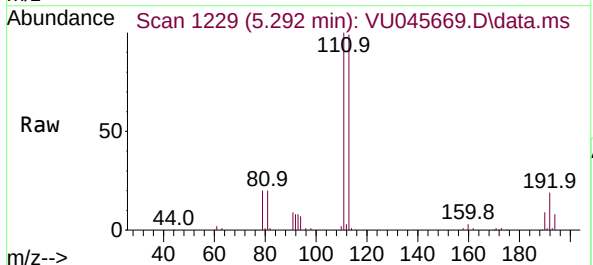
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20211108

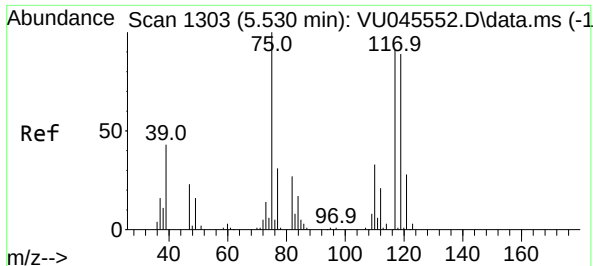
Tgt Ion:114 Resp: 255065
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.6
88 17.0 0.0 33.8



#35
Dibromofluoromethane
Concen: 50.545 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Tgt Ion:113 Resp: 86075
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 18.2 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.044 ug/l

RT: 5.378 min Scan# 11

Delta R.T. -0.151 min

Lab File: VU045669.D

Acq: 09 Nov 2021 19:23

Instrument :

MSVOA_U

ClientSampleId :

DUP01-20211108

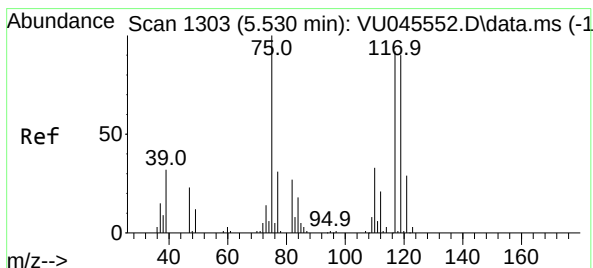
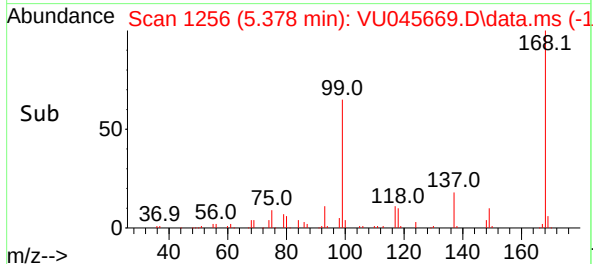
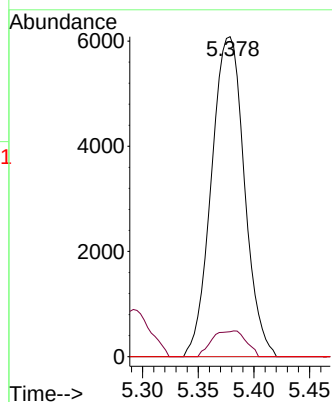
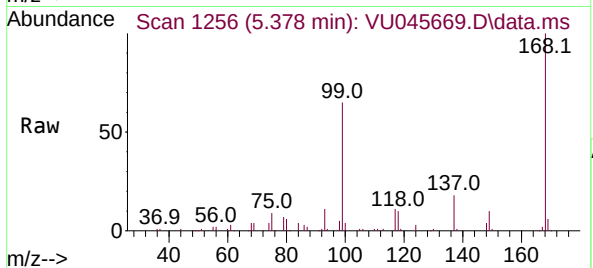
Tgt Ion: 75 Resp: 12544

Ion Ratio Lower Upper

75 100

110 8.3 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.911 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045669.D

Acq: 09 Nov 2021 19:23

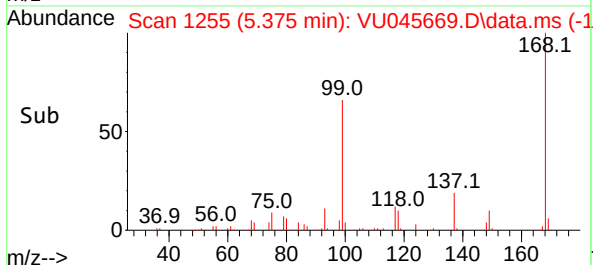
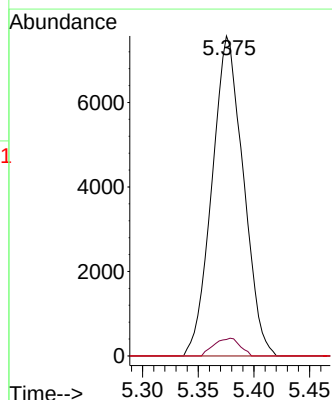
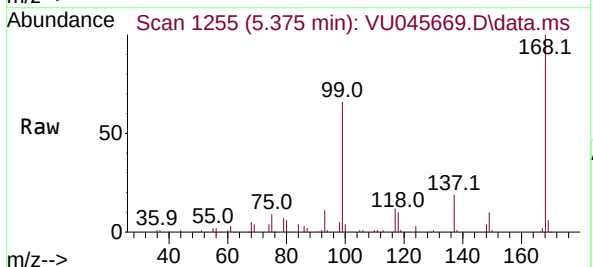
Tgt Ion: 117 Resp: 14822

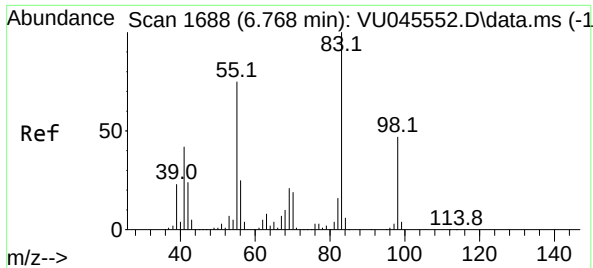
Ion Ratio Lower Upper

117 100

119 5.2 77.4 116.0#

121 0.0 24.8 37.2#

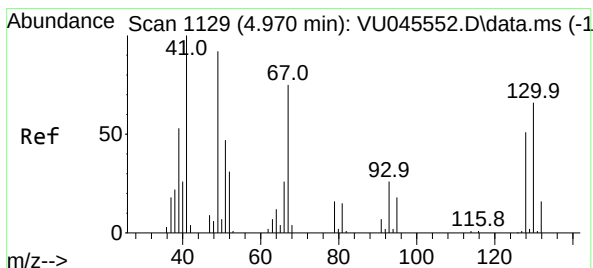
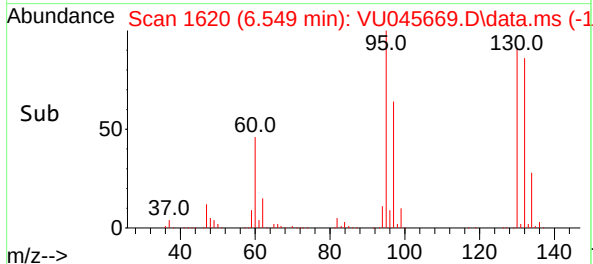
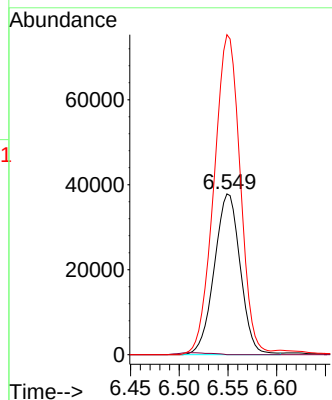
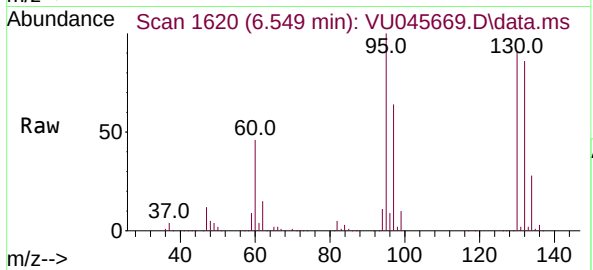




#39
Methylcyclohexane
Concen: 22.979 ug/l
RT: 6.549 min Scan# 1157
Delta R.T. -0.219 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

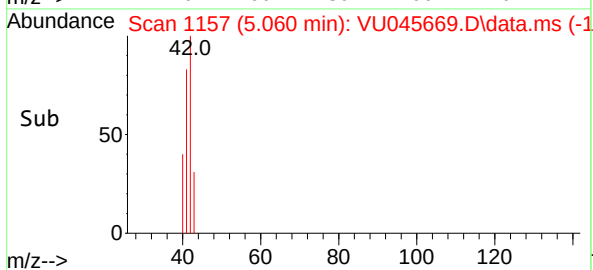
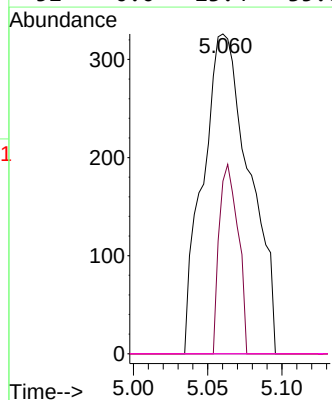
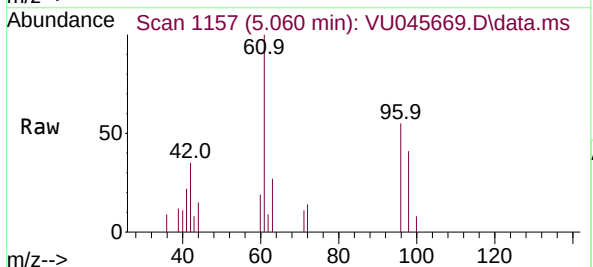
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20211108

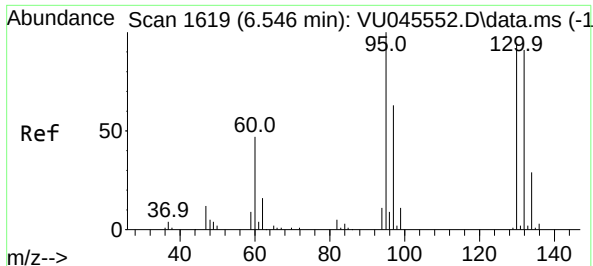
Tgt Ion: 83 Resp: 70112
Ion Ratio Lower Upper
83 100
55 0.0 63.6 95.4#
98 198.9 37.1 55.7#



#41
Methacrylonitrile
Concen: 0.471 ug/l
RT: 5.060 min Scan# 1157
Delta R.T. 0.090 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Tgt Ion: 41 Resp: 711
Ion Ratio Lower Upper
41 100
39 23.9 43.4 65.0#
67 0.0 61.0 91.4#
52 0.0 23.4 35.0#

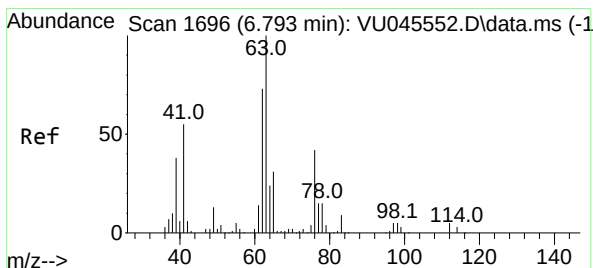
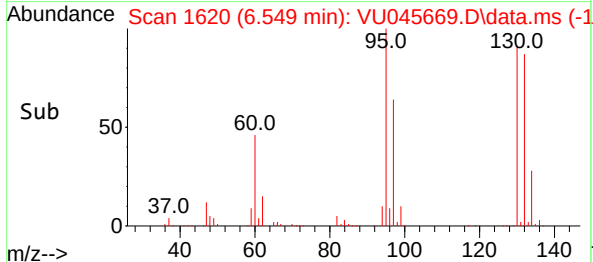
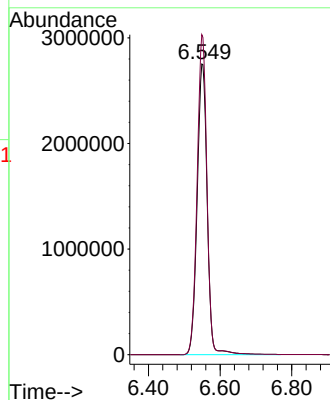
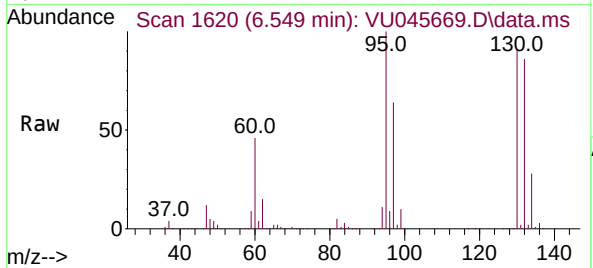




#44
Trichloroethene
Concen: 3020.390 ug/l
RT: 6.549 min Scan# 1620
Delta R.T. 0.003 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

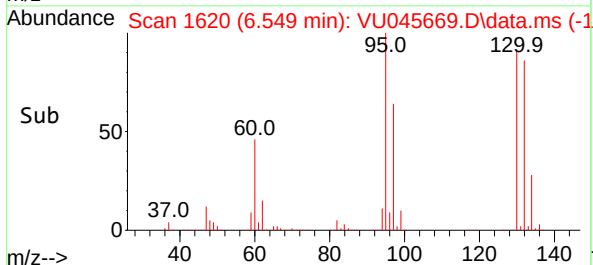
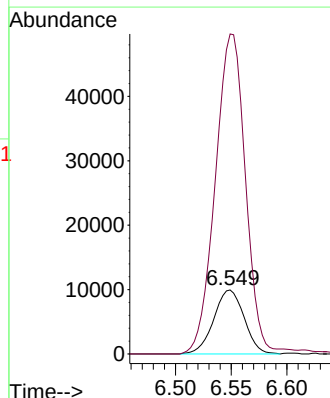
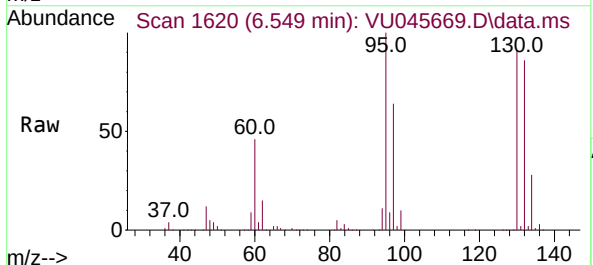
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20211108

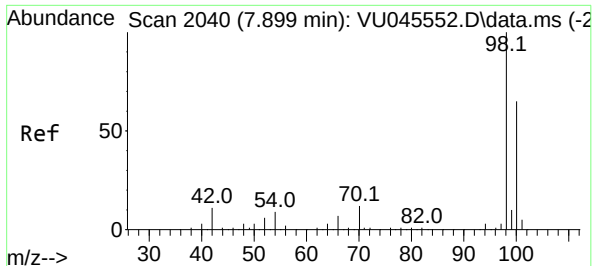
Tgt Ion:130 Resp: 5323590
Ion Ratio Lower Upper
130 100
95 110.1 0.0 211.4



#45
1,2-Dichloropropane
Concen: 9.688 ug/l
RT: 6.549 min Scan# 1620
Delta R.T. -0.244 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Tgt Ion: 63 Resp: 18875
Ion Ratio Lower Upper
63 100
65 499.8 25.7 38.5#

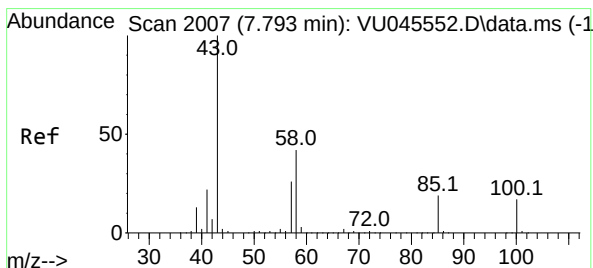
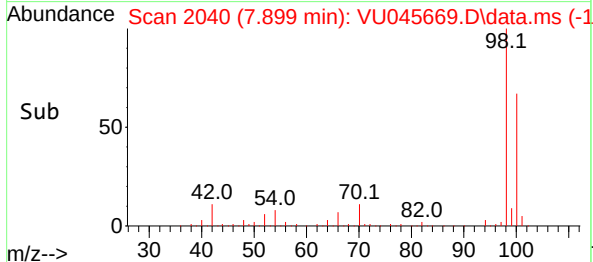
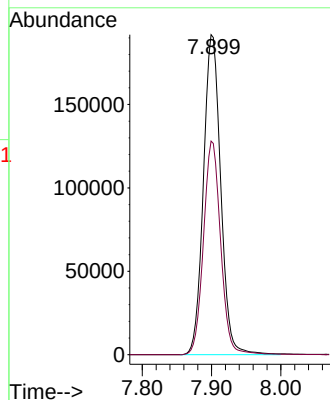
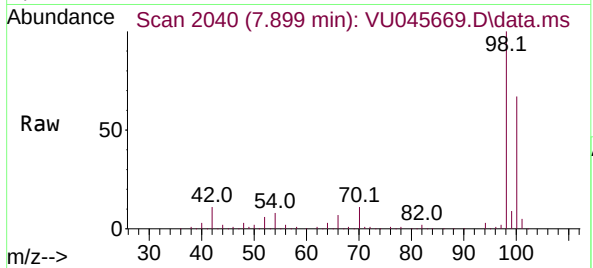




#50
Toluene-d8
Concen: 52.650 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

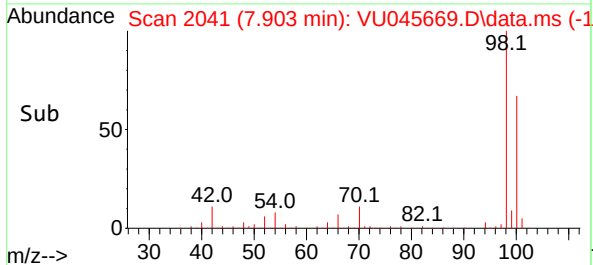
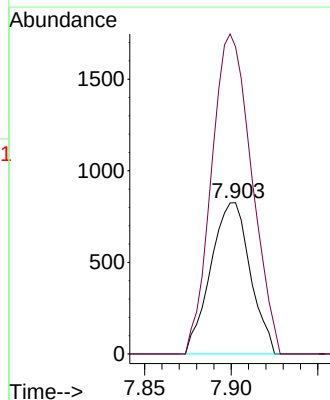
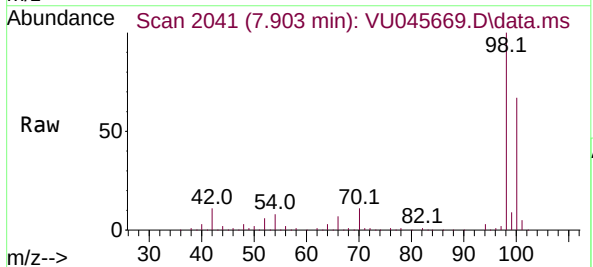
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20211108

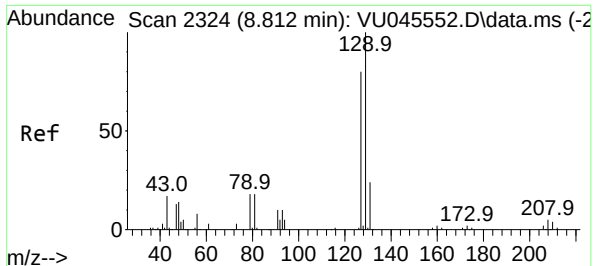
Tgt Ion: 98 Resp: 333395
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.454 ug/l
RT: 7.903 min Scan# 2041
Delta R.T. 0.109 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Tgt Ion: 43 Resp: 1309
Ion Ratio Lower Upper
43 100
58 214.5 33.8 50.8#

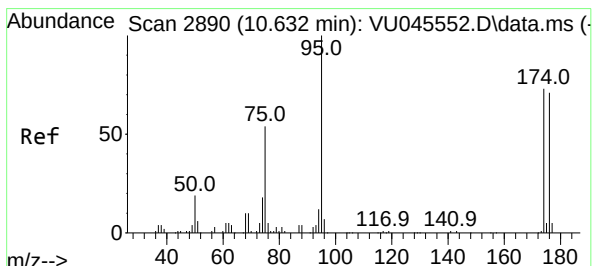
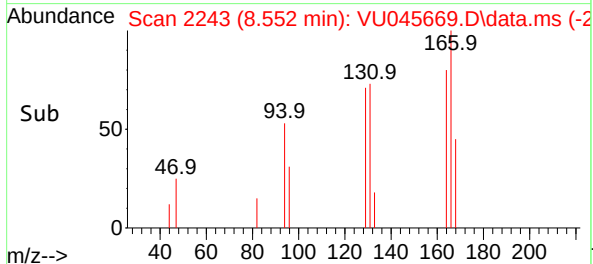
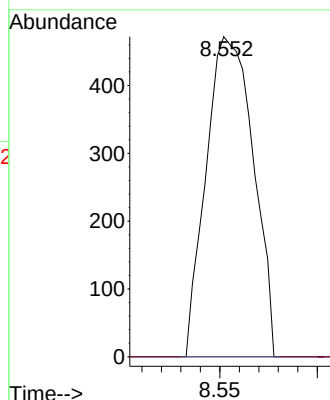
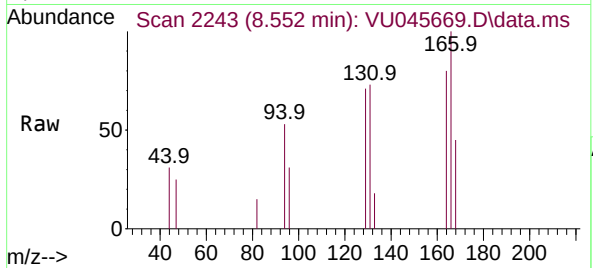




#60
Dibromochloromethane
Concen: 0.408 ug/l
RT: 8.552 min Scan# 211
Delta R.T. -0.260 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

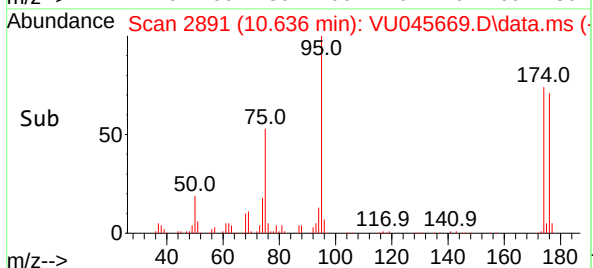
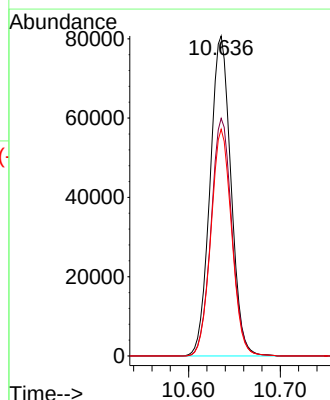
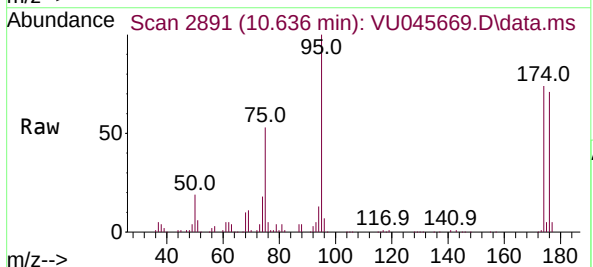
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20211108

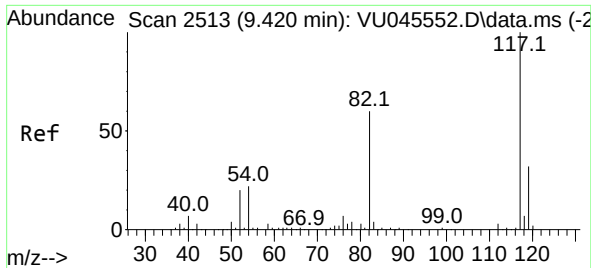
Tgt Ion:129 Resp: 794
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 50.265 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Tgt Ion: 95 Resp: 127635
Ion Ratio Lower Upper
95 100
174 74.2 0.0 141.8
176 70.3 0.0 138.2

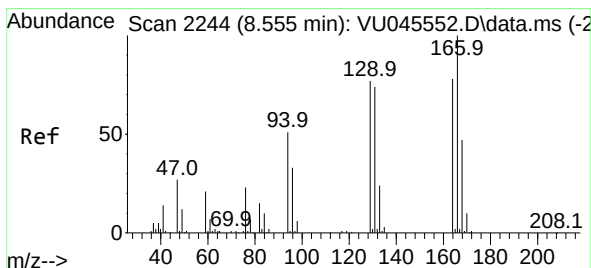
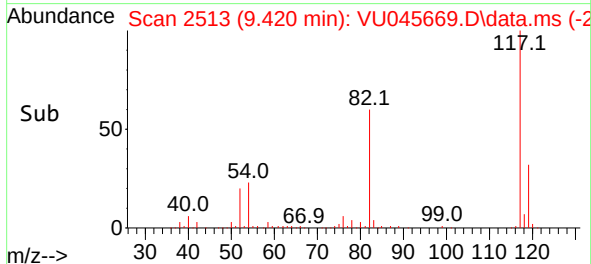
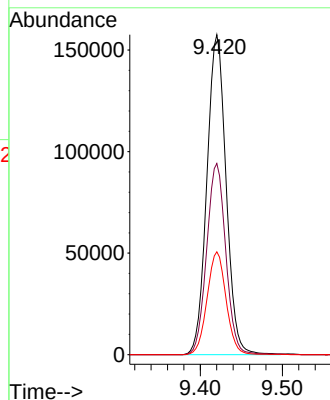
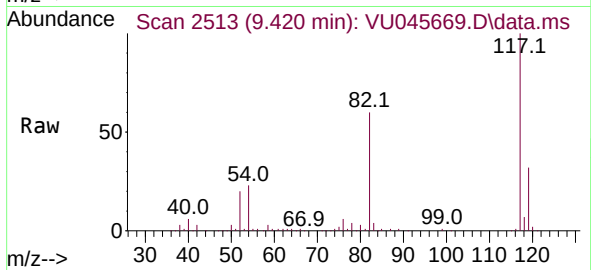




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

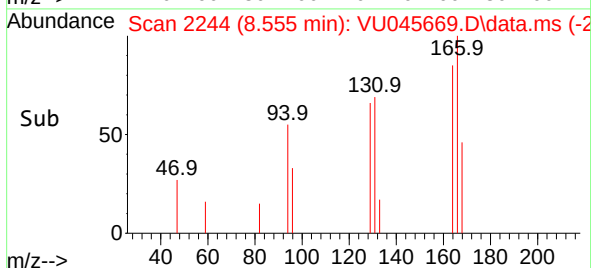
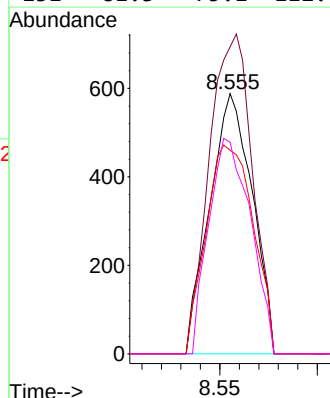
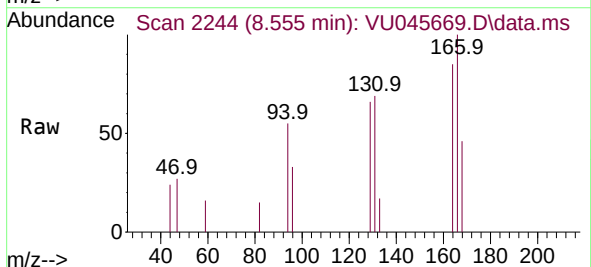
Instrument :
MSVOA_U
ClientSampleId :
DUP01-20211108

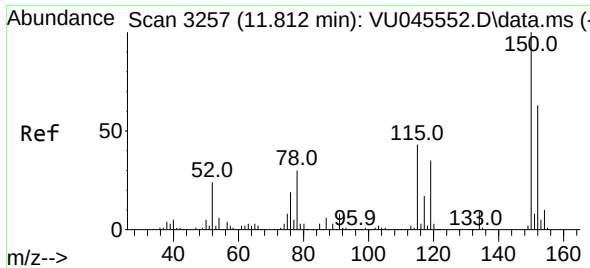
Tgt Ion:117 Resp: 256595
Ion Ratio Lower Upper
117 100
82 59.8 47.8 71.8
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 0.607 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Tgt Ion:164 Resp: 894
Ion Ratio Lower Upper
164 100
166 118.0 102.2 153.4
129 78.2 78.2 117.4#
131 81.3 75.1 112.7

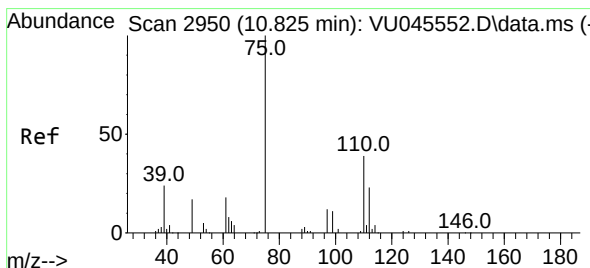
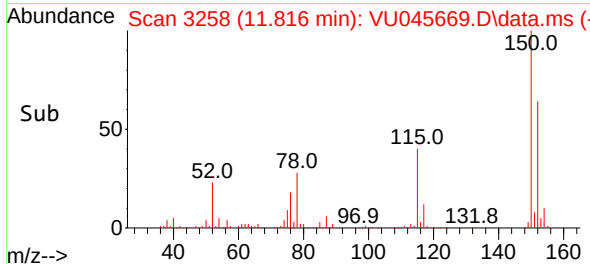
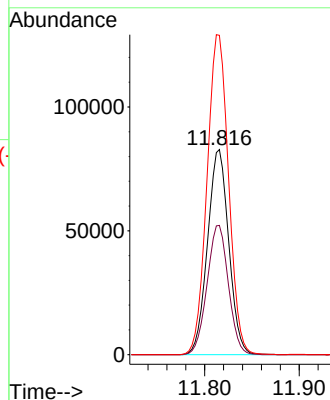
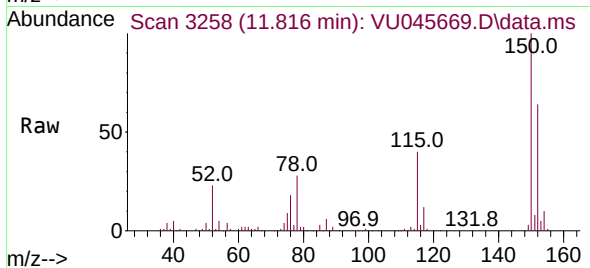




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU045669.D
 Acq: 09 Nov 2021 19:23

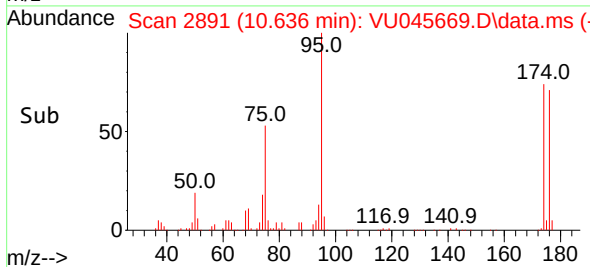
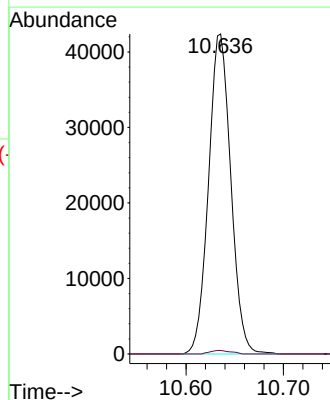
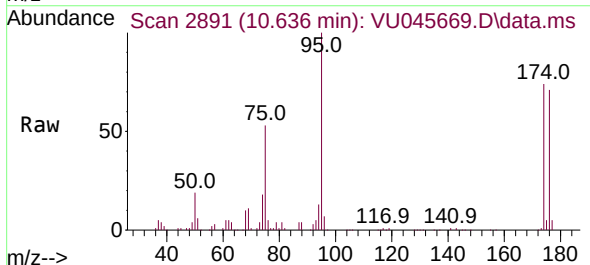
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP01-20211108

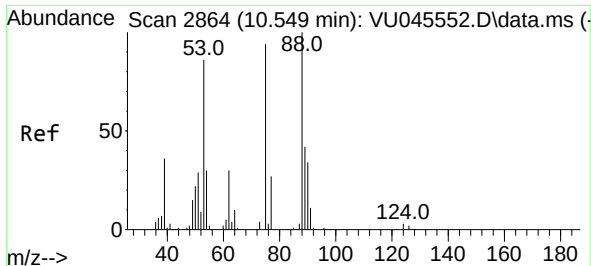
Tgt Ion:152 Resp: 129086
 Ion Ratio Lower Upper
 152 100
 115 63.3 42.7 128.1
 150 158.3 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 17.211 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.190 min
 Lab File: VU045669.D
 Acq: 09 Nov 2021 19:23

Tgt Ion: 75 Resp: 67376
 Ion Ratio Lower Upper
 75 100
 77 1.0 17.1 51.3#

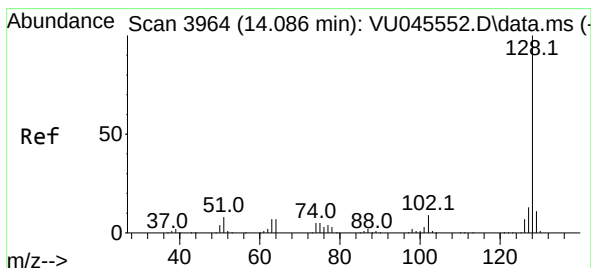
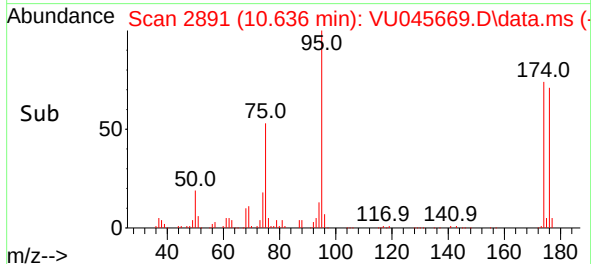
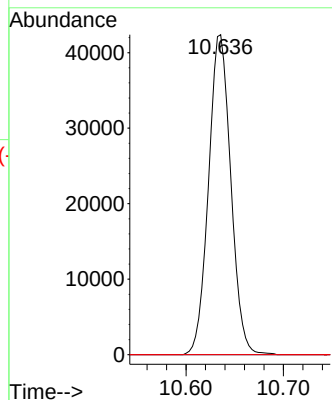
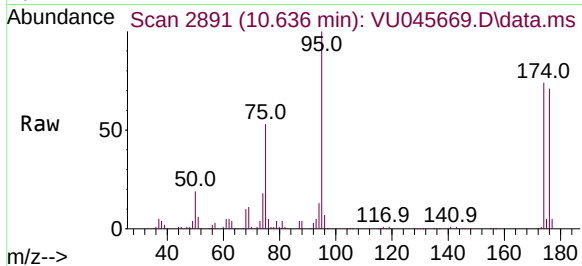




#81
trans-1,4-Dichloro-2-butene
Concen: 56.001 ug/l
RT: 10.636 min Scan# 2864
Delta R.T. 0.087 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Instrument :
MSVOA_U
ClientSampleId :
DUP01-20211108

Tgt Ion: 75 Resp: 67376
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.044 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU045669.D
Acq: 09 Nov 2021 19:23

Tgt Ion: 128 Resp: 160
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

