

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048945.D
 Acq On : 08 Jun 2022 05:45
 Operator : SY/MD
 Sample : N3166-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP04-20220531

Quant Time: Jun 08 09:18:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

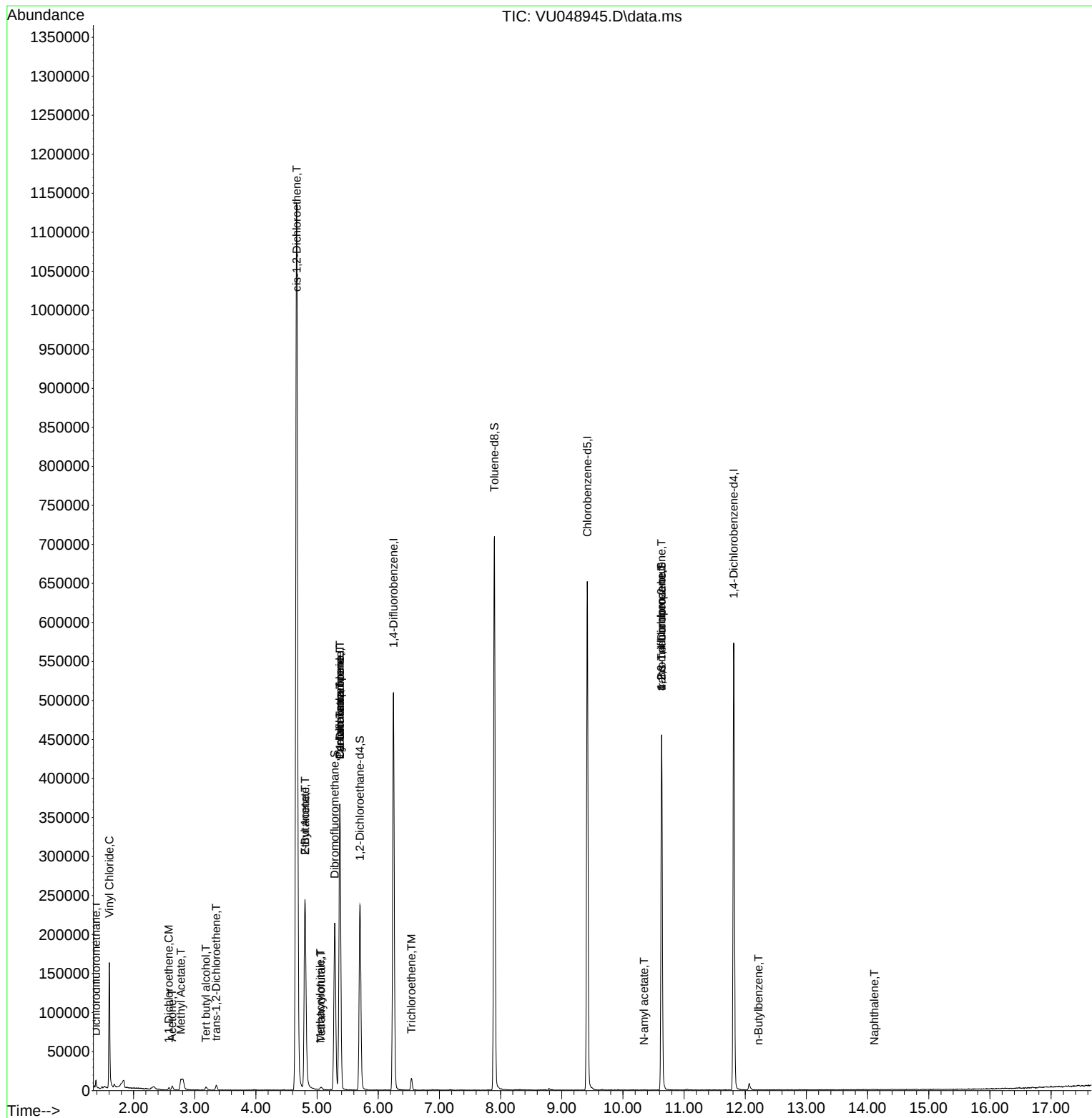
Internal Standards						
1) Pentafluorobenzene	5.372	168	247952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	404772	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	359241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	154439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	184137	49.449	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.900%		
35) Dibromofluoromethane	5.289	113	136578	47.296	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.600%		
50) Toluene-d8	7.899	98	474251	45.815	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.620%#		
62) 4-Bromofluorobenzene	10.632	95	151321	38.653	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	77.300%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	5687	2.004	ug/l	99
4) Vinyl Chloride	1.604	62	112612	33.274	ug/l	99
5) Bromomethane	1.845	94	148	Below Cal		81
6) Chloroethane	1.945	64	250	Below Cal	#	43
11) Tert butyl alcohol	3.183	59	2910	3.082	ug/l #	28
12) 1,1-Dichloroethene	2.575	96	1017	0.403	ug/l	81
16) Acetone	2.629	43	6146	3.239	ug/l	92
18) Methyl Acetate	2.774	43	4251	0.892	ug/l #	51
21) trans-1,2-Dichloroethene	3.350	96	2790	0.966	ug/l	94
25) 2-Butanone	4.803	43	330570	121.254	ug/l #	49
27) cis-1,2-Dichloroethene	4.668	96	594364	177.880	ug/l	88
29) Tetrahydrofuran	5.067	42	2481	1.445	ug/l #	75
31) Cyclohexane	5.372	56	5523	1.177	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20432	4.848	ug/l #	50
37) Ethyl Acetate	4.803	43	330570	62.044	ug/l	99
38) Carbon Tetrachloride	5.372	117	26732	5.529	ug/l #	17
41) Methacrylonitrile	5.054	41	1492	0.554	ug/l #	36
44) Trichloroethene	6.542	130	5224	1.630	ug/l	100
74) N-amyl acetate	10.346	43	41	2.475	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	77104	15.484	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	77104	56.222	ug/l #	13
89) n-Butylbenzene	12.217	91	57	2.191	ug/l #	34
95) Naphthalene	14.111	128	361	2.561	ug/l #	69

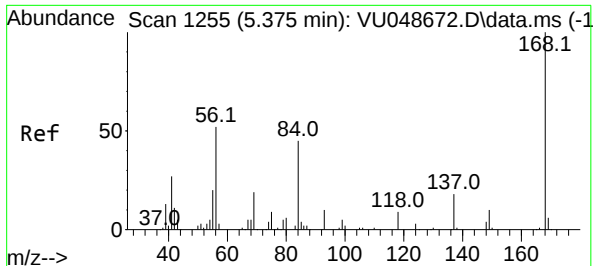
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
Data File : VU048945.D
Acq On : 08 Jun 2022 05:45
Operator : SY/MD
Sample : N3166-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531

Quant Time: Jun 08 09:18:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
Quant Title : SW846 8260
QLast Update : Fri May 27 06:42:31 2022
Response via : Initial Calibration

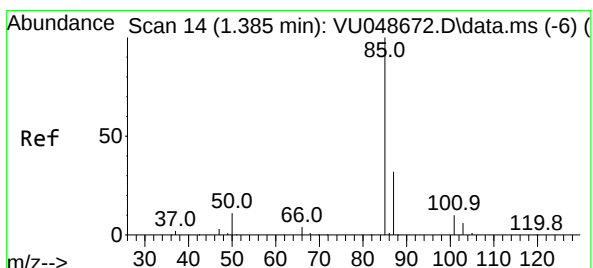
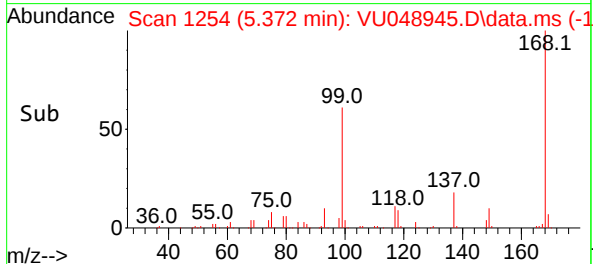
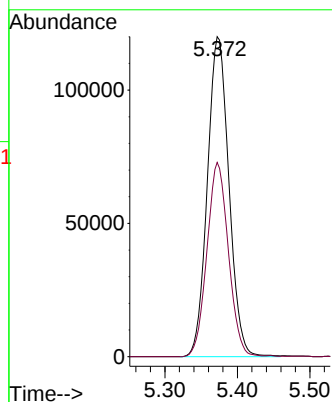
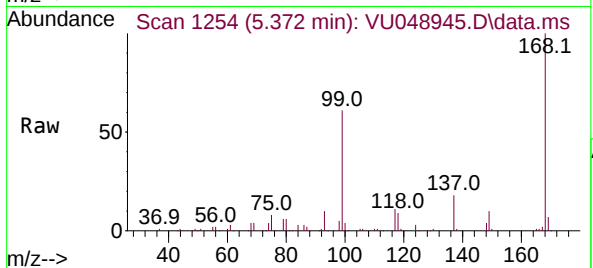




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

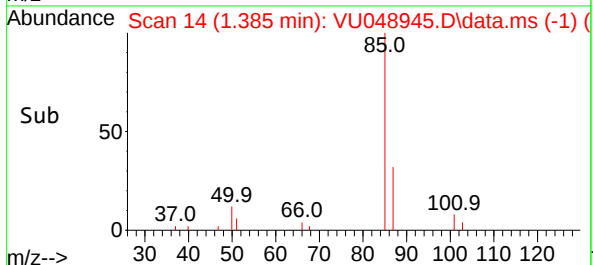
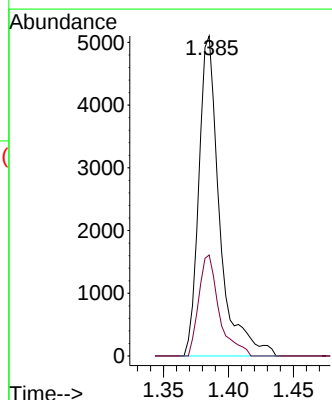
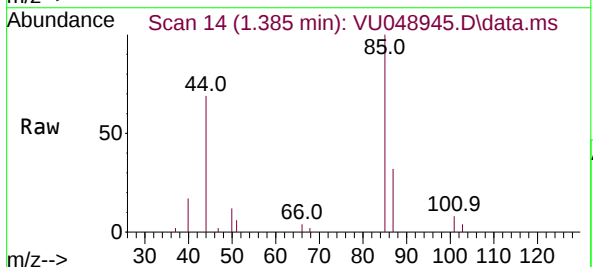
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531

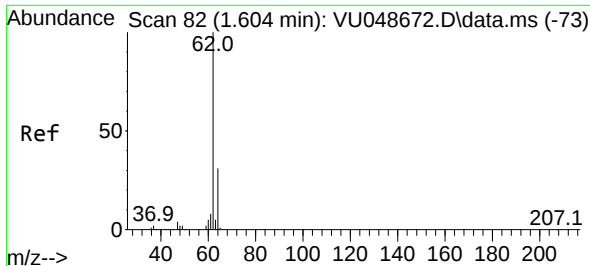
Tgt Ion:168 Resp: 247952
Ion Ratio Lower Upper
168 100
99 60.7 49.3 73.9



#2
Dichlorodifluoromethane
Concen: 2.004 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

Tgt Ion: 85 Resp: 5687
Ion Ratio Lower Upper
85 100
87 31.5 16.0 48.0

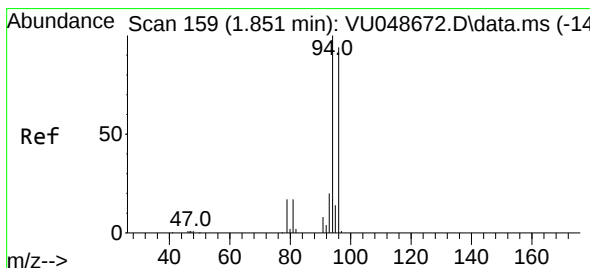
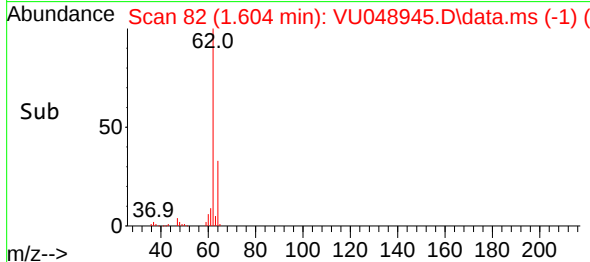
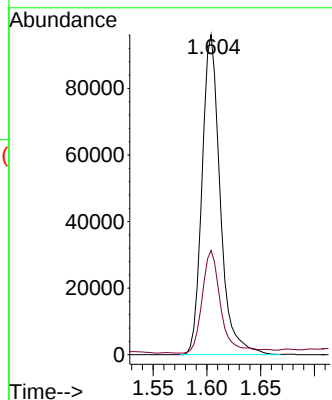
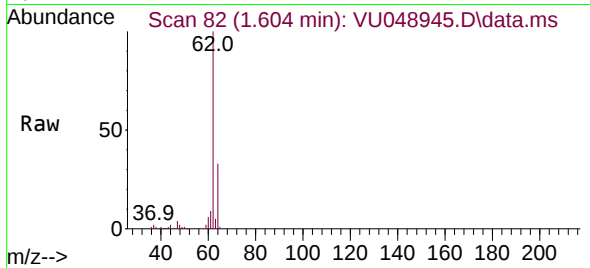




#4
 Vinyl Chloride
 Concen: 33.274 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU048945.D
 Acq: 08 Jun 2022 05:45

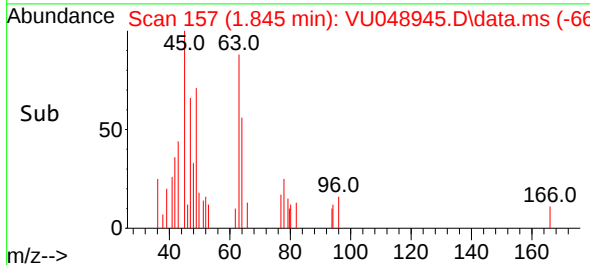
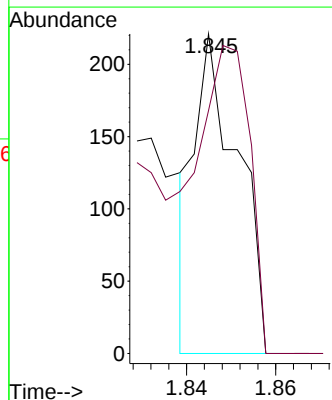
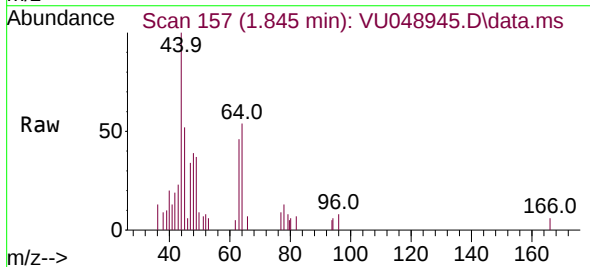
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP04-20220531

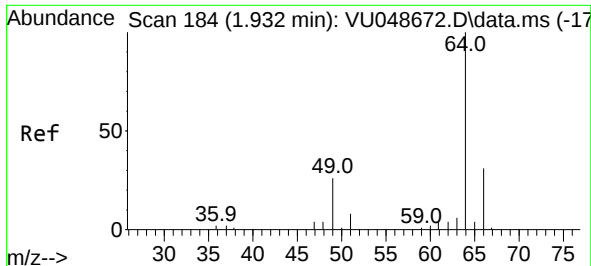
Tgt Ion: 62 Resp: 112612
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.2 37.8



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.845 min Scan# 157
 Delta R.T. -0.006 min
 Lab File: VU048945.D
 Acq: 08 Jun 2022 05:45

Tgt Ion: 94 Resp: 148
 Ion Ratio Lower Upper
 94 100
 96 76.0 75.1 112.7

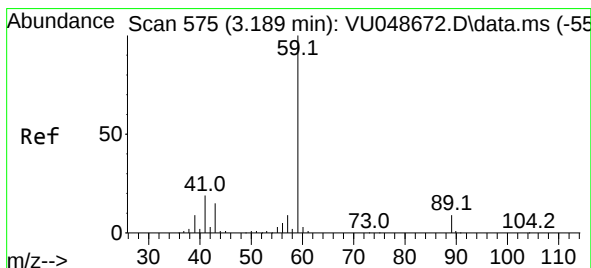
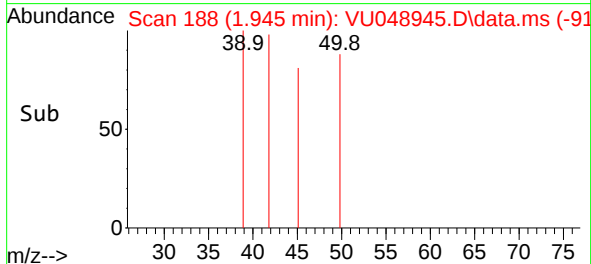
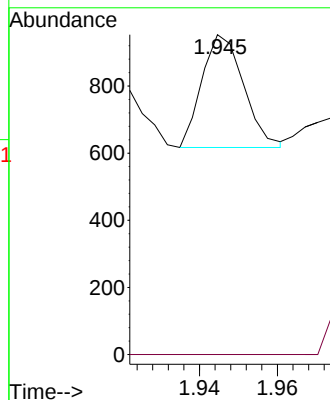
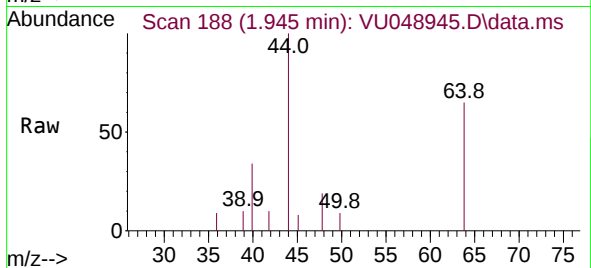




#6
Chloroethane
Concen: Below Cal
RT: 1.945 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

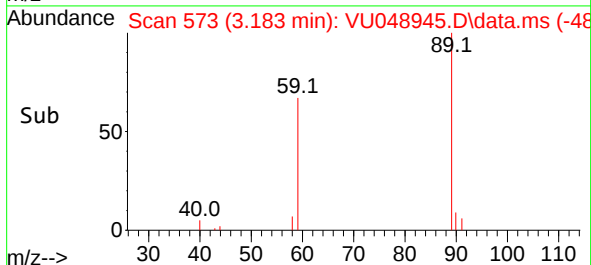
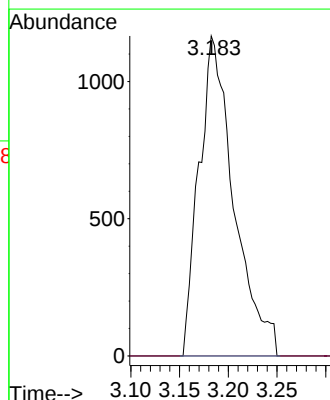
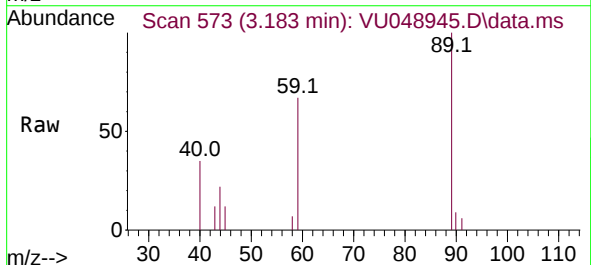
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531

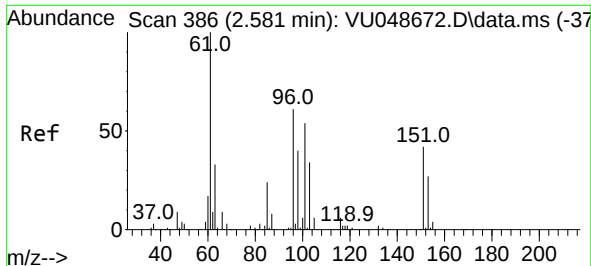
Tgt Ion: 64 Resp: 250
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 3.082 ug/l
RT: 3.183 min Scan# 573
Delta R.T. -0.006 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

Tgt Ion: 59 Resp: 2910
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#





#12

1,1-Dichloroethene

Concen: 0.403 ug/l

RT: 2.575 min Scan# 386

Delta R.T. -0.006 min

Lab File: VU048945.D

Acq: 08 Jun 2022 05:45

Instrument :

MSVOA_U

ClientSampleId :

DUP04-20220531

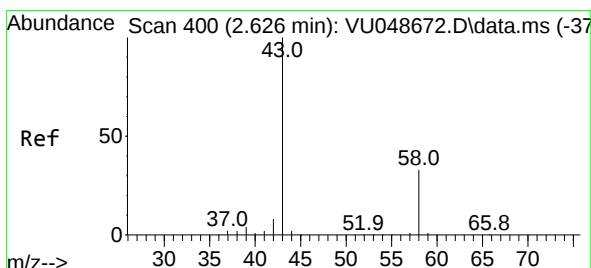
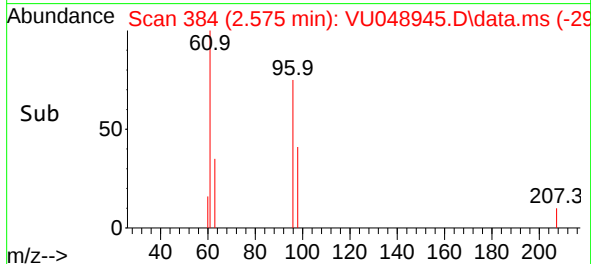
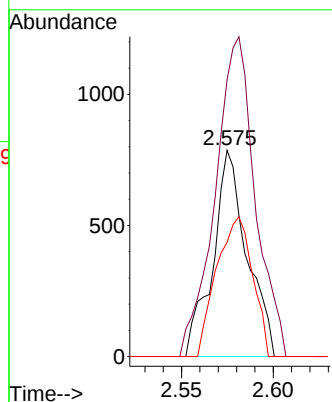
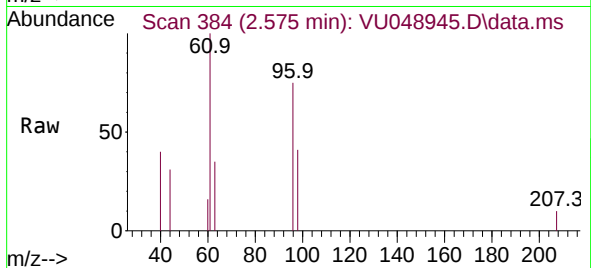
Tgt Ion: 96 Resp: 1017

Ion Ratio Lower Upper

96 100

61 134.1 131.1 196.7

98 55.4 51.8 77.8



#16

Acetone

Concen: 3.239 ug/l

RT: 2.629 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU048945.D

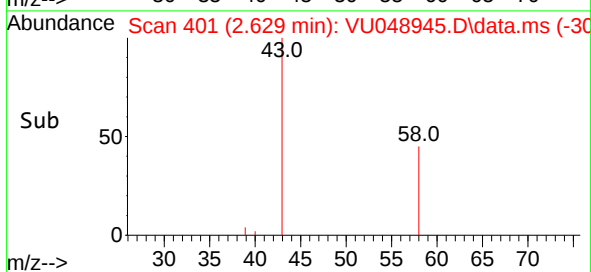
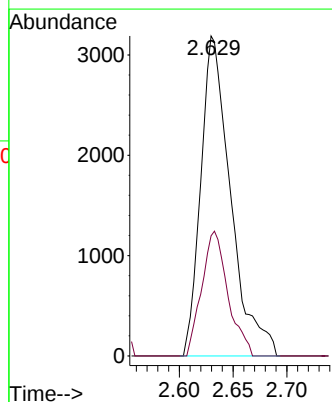
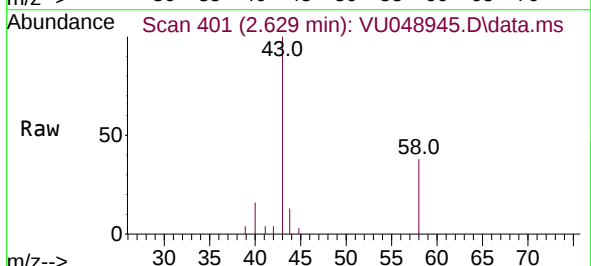
Acq: 08 Jun 2022 05:45

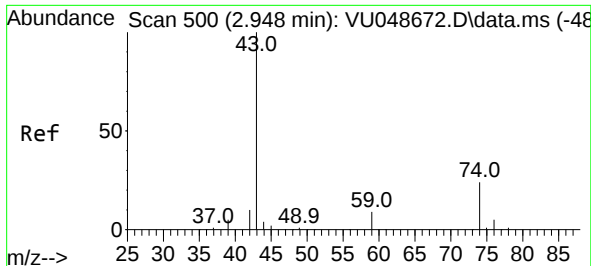
Tgt Ion: 43 Resp: 6146

Ion Ratio Lower Upper

43 100

58 37.6 26.3 39.5





#18

Methyl Acetate

Concen: 0.892 ug/l

RT: 2.774 min Scan# 446

Delta R.T. -0.174 min

Lab File: VU048945.D

Acq: 08 Jun 2022 05:45

Instrument :

MSVOA_U

ClientSampleId :

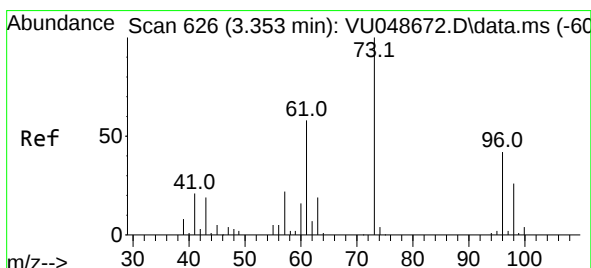
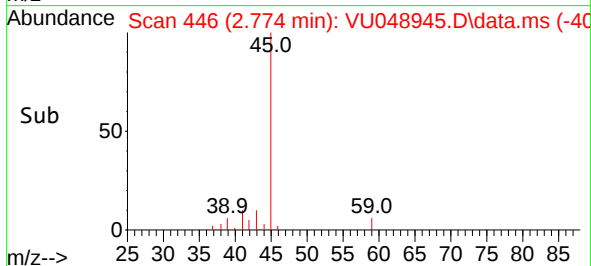
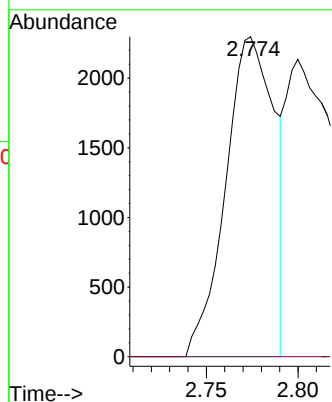
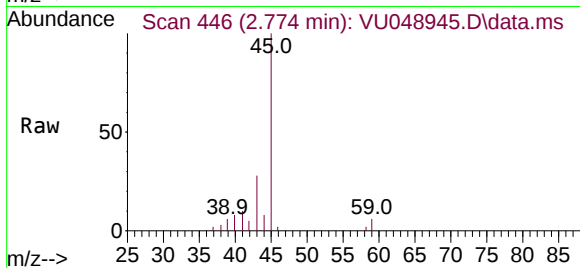
DUP04-20220531

Tgt Ion: 43 Resp: 4251

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



#21

trans-1,2-Dichloroethene

Concen: 0.966 ug/l

RT: 3.350 min Scan# 625

Delta R.T. -0.003 min

Lab File: VU048945.D

Acq: 08 Jun 2022 05:45

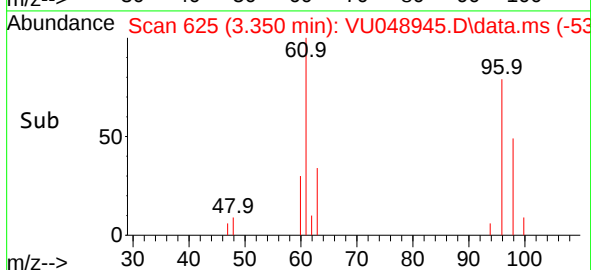
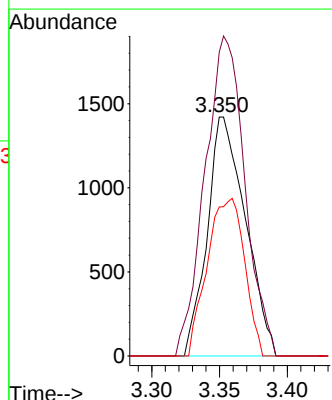
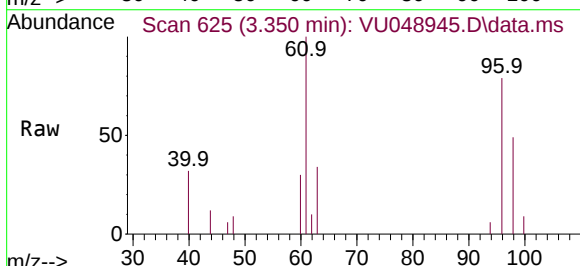
Tgt Ion: 96 Resp: 2790

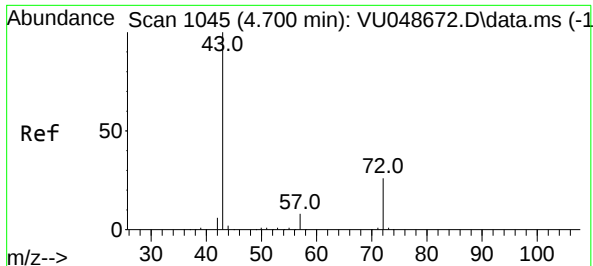
Ion Ratio Lower Upper

96 100

61 127.1 109.4 164.2

98 62.4 48.9 73.3





#25

2-Butanone

Concen: 121.254 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.103 min

Lab File: VU048945.D

Acq: 08 Jun 2022 05:45

Instrument :

MSVOA_U

ClientSampleId :

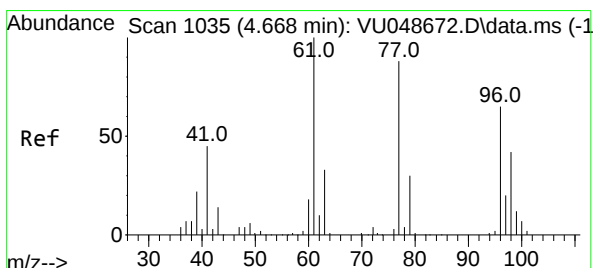
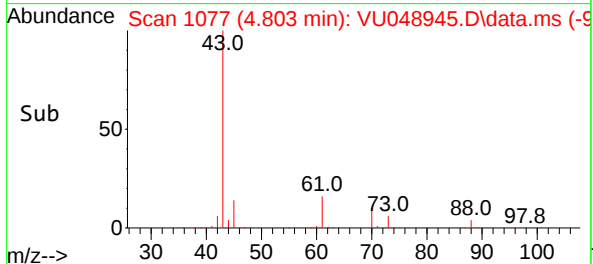
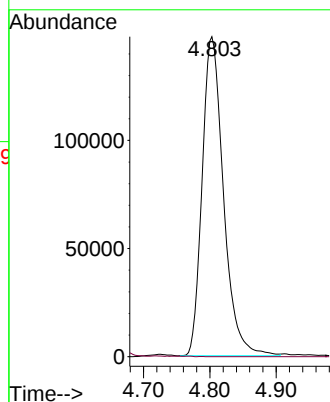
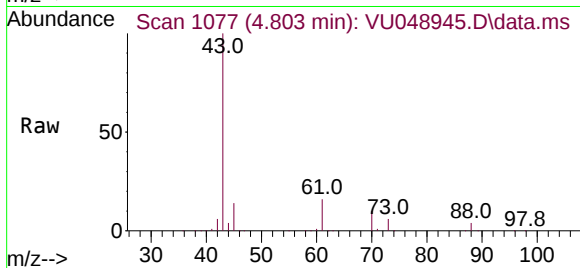
DUP04-20220531

Tgt Ion: 43 Resp: 330570

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#27

cis-1,2-Dichloroethene

Concen: 177.880 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU048945.D

Acq: 08 Jun 2022 05:45

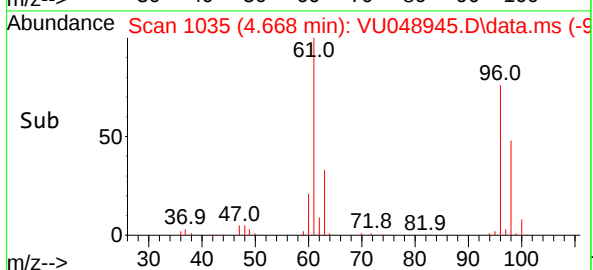
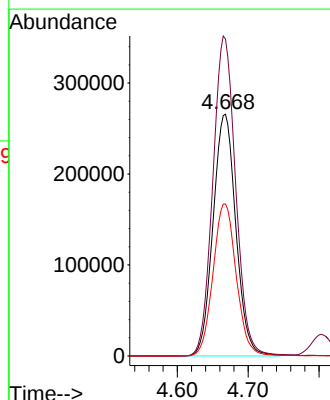
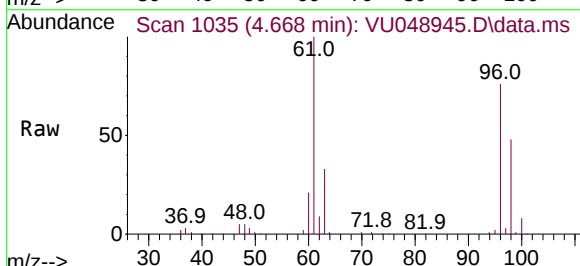
Tgt Ion: 96 Resp: 594364

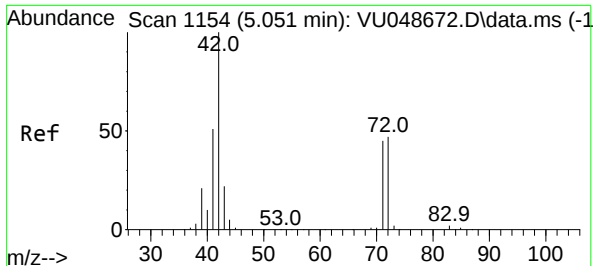
Ion Ratio Lower Upper

96 100

61 132.4 0.0 306.2

98 64.0 0.0 130.4





#29

Tetrahydrofuran

Concen: 1.445 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.016 min

Lab File: VU048945.D

Acq: 08 Jun 2022 05:45

Instrument :

MSVOA_U

ClientSampleId :

DUP04-20220531

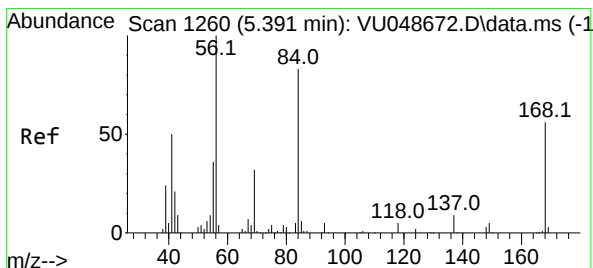
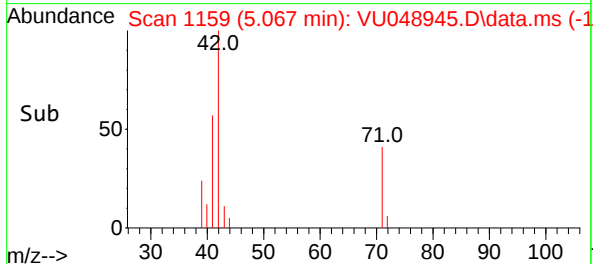
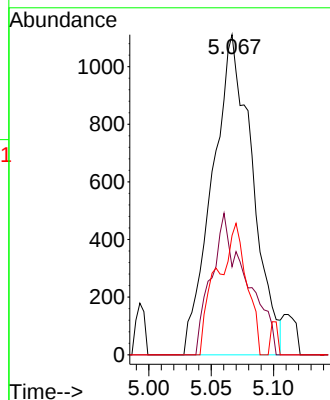
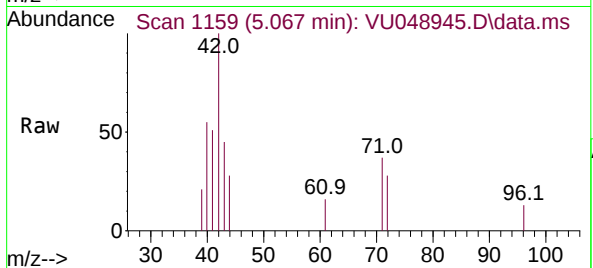
Tgt Ion: 42 Resp: 2481

Ion Ratio Lower Upper

42 100

72 38.8 37.6 56.4

71 19.0 35.0 52.4#



#31

Cyclohexane

Concen: 1.177 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048945.D

Acq: 08 Jun 2022 05:45

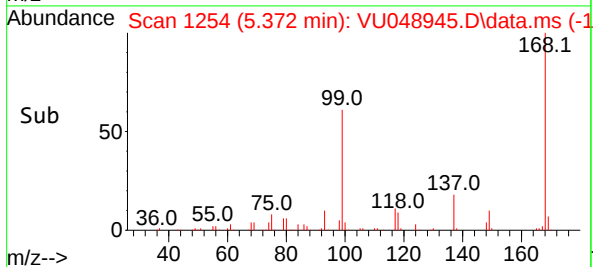
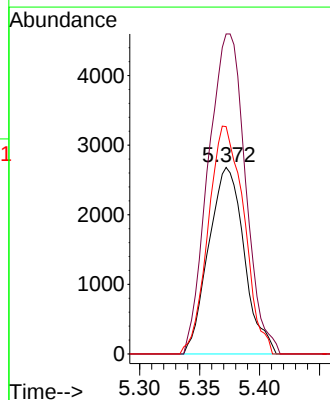
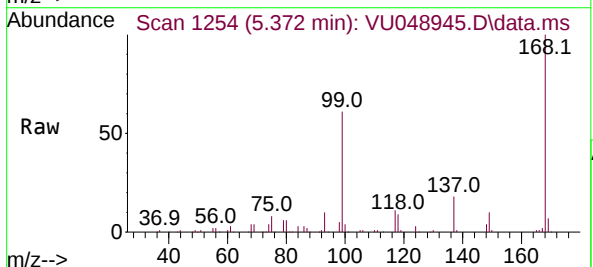
Tgt Ion: 56 Resp: 5523

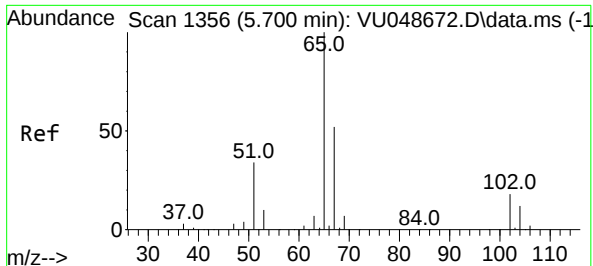
Ion Ratio Lower Upper

56 100

69 171.5 25.6 38.4#

84 121.9 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 49.449 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048945.D

Acq: 08 Jun 2022 05:45

Instrument :

MSVOA_U

ClientSampleId :

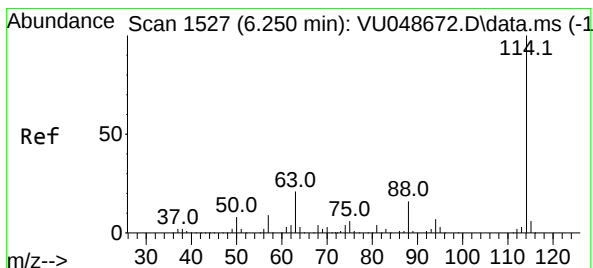
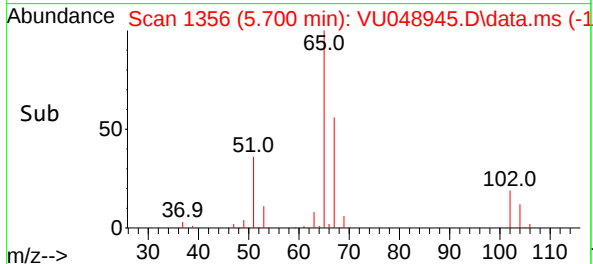
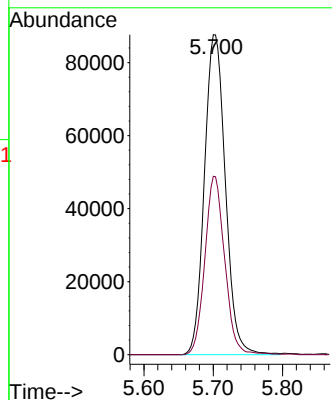
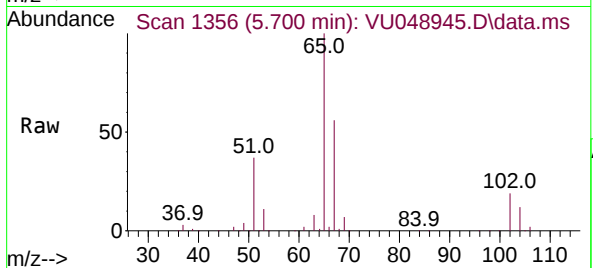
DUP04-20220531

Tgt Ion: 65 Resp: 184137

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048945.D

Acq: 08 Jun 2022 05:45

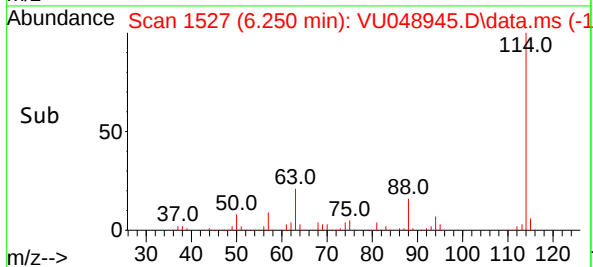
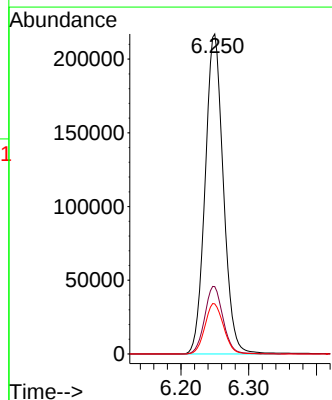
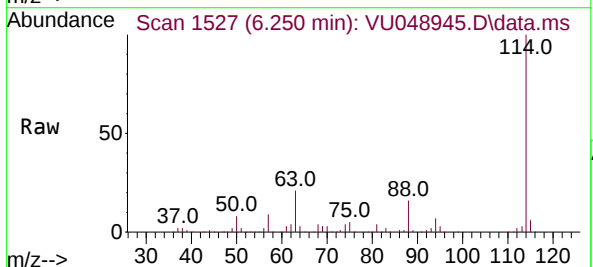
Tgt Ion: 114 Resp: 404772

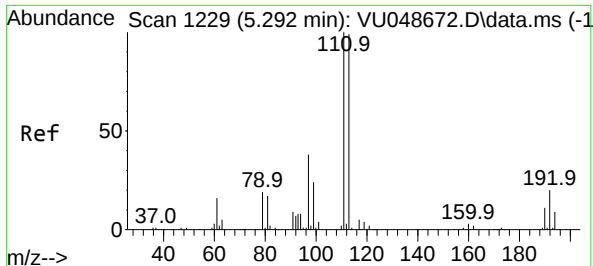
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 15.6 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.296 ug/l

RT: 5.289 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048945.D

Acq: 08 Jun 2022 05:45

Instrument :

MSVOA_U

ClientSampleId :

DUP04-20220531

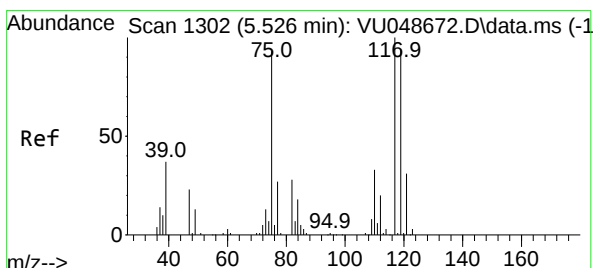
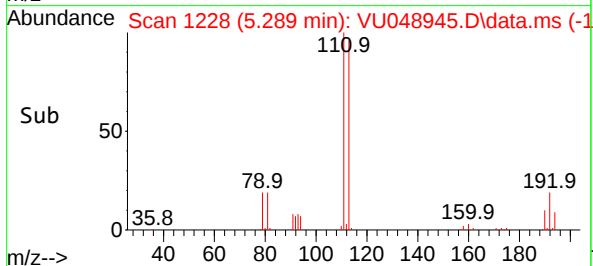
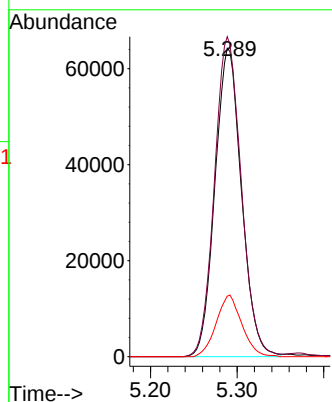
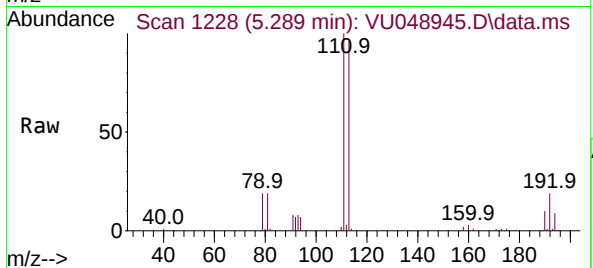
Tgt Ion:113 Resp: 136578

Ion Ratio Lower Upper

113 100

111 104.7 80.7 121.1

192 19.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.848 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048945.D

Acq: 08 Jun 2022 05:45

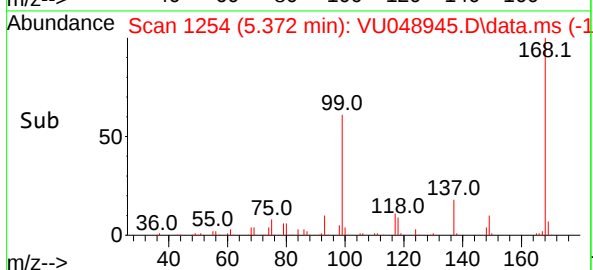
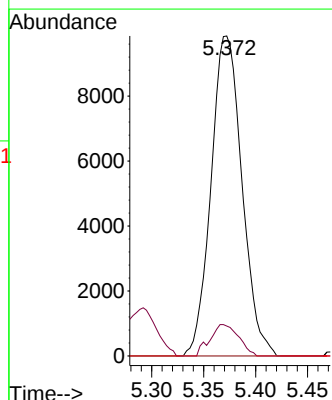
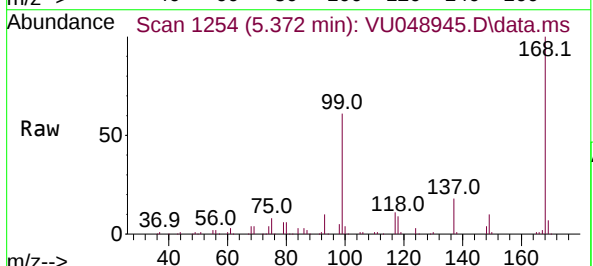
Tgt Ion: 75 Resp: 20432

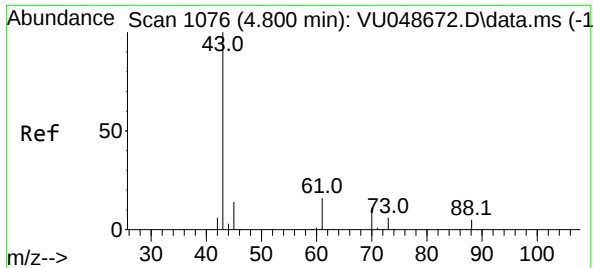
Ion Ratio Lower Upper

75 100

110 9.1 17.4 52.3#

77 0.0 24.8 37.2#

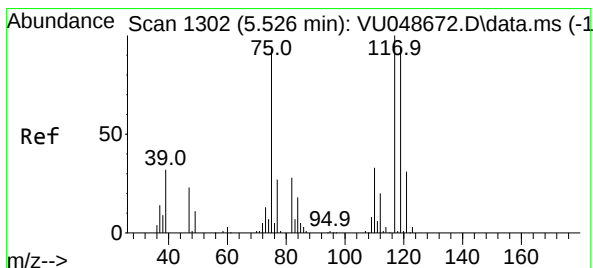
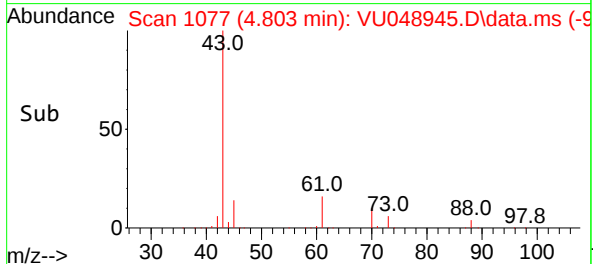
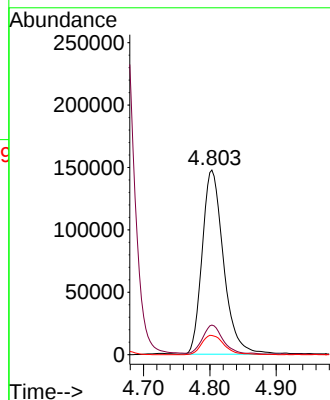
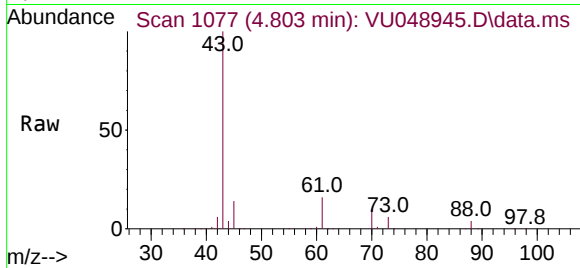




#37
Ethyl Acetate
Concen: 62.044 ug/l
RT: 4.803 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

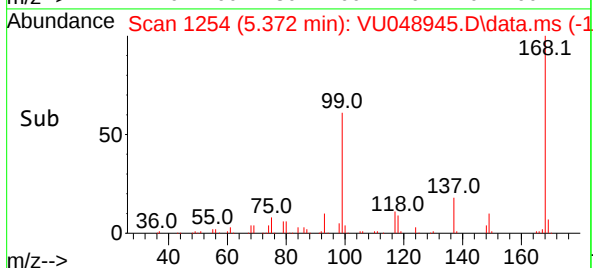
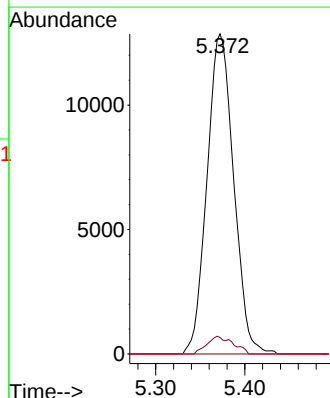
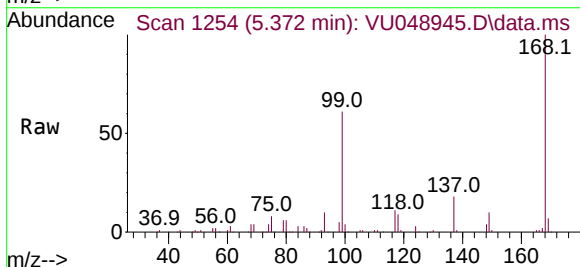
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531

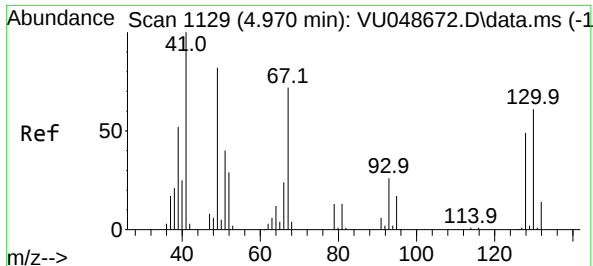
Tgt Ion: 43 Resp: 330570
Ion Ratio Lower Upper
43 100
61 14.3 11.7 17.5
70 11.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.529 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

Tgt Ion: 117 Resp: 26732
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 24.6 36.8#

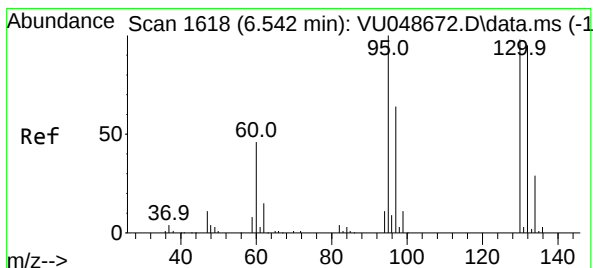
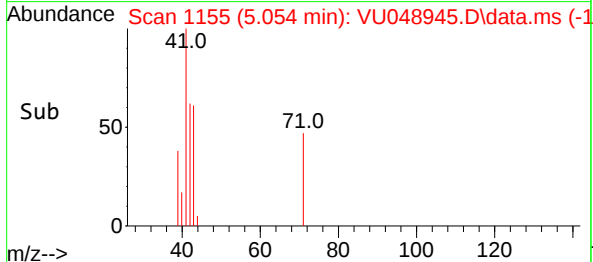
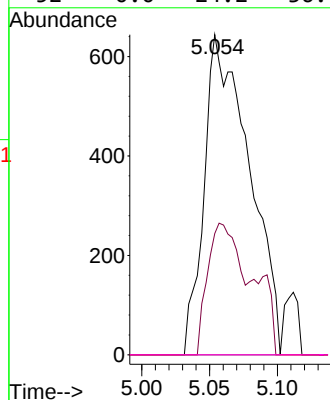
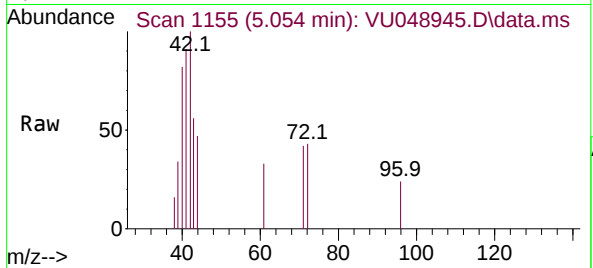




#41
Methacrylonitrile
Concen: 0.554 ug/l
RT: 5.054 min Scan# 1129
Delta R.T. 0.084 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

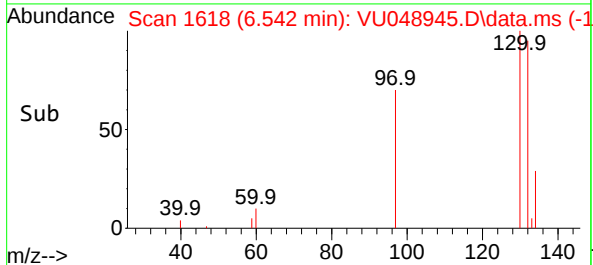
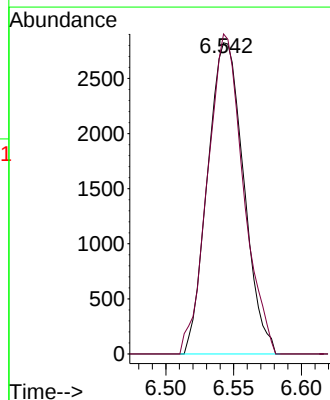
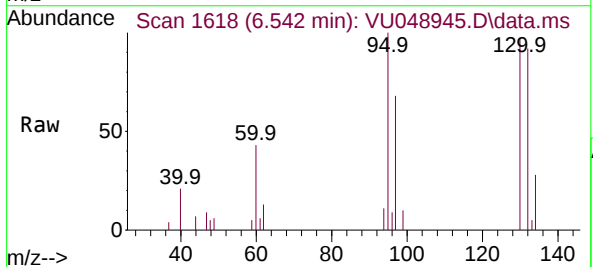
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531

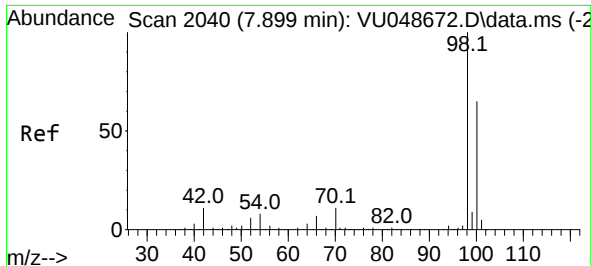
Tgt Ion: 41	Resp:	1492
Ion	Ratio	Lower Upper
41	100	
39	30.6	42.6 64.0#
67	0.0	61.0 91.4#
52	0.0	24.2 36.4#



#44
Trichloroethene
Concen: 1.630 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

Tgt Ion: 130	Resp:	5224
Ion	Ratio	Lower Upper
130	100	
95	102.8	0.0 204.8

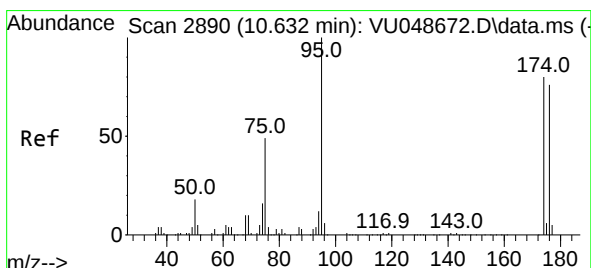
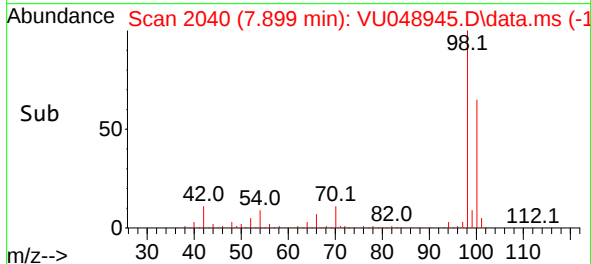
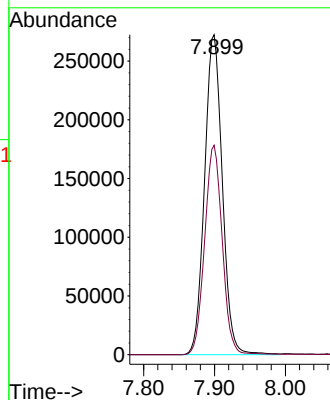
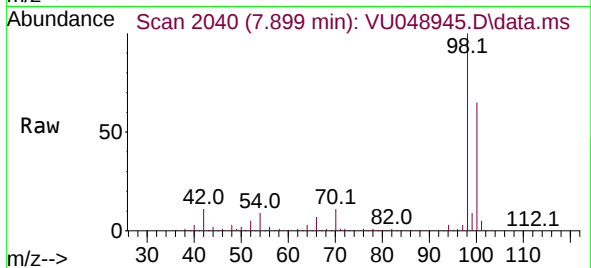




#50
Toluene-d8
Concen: 45.815 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

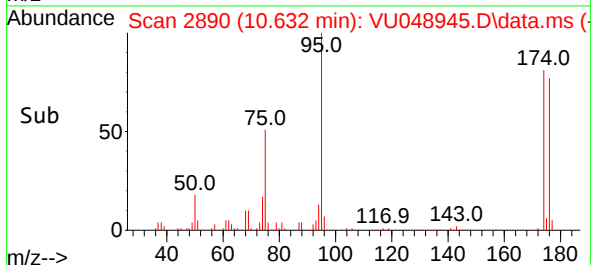
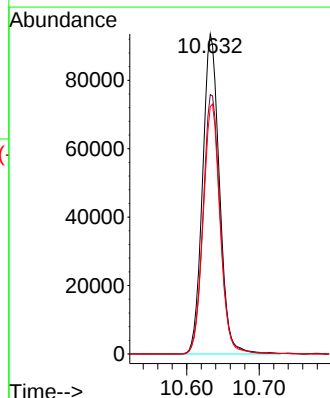
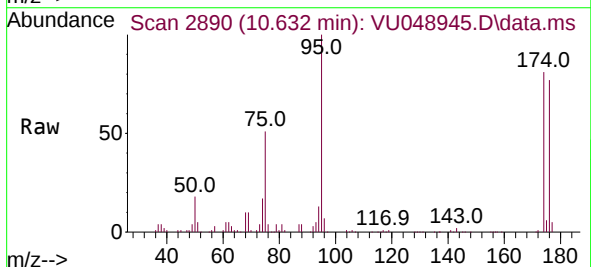
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531

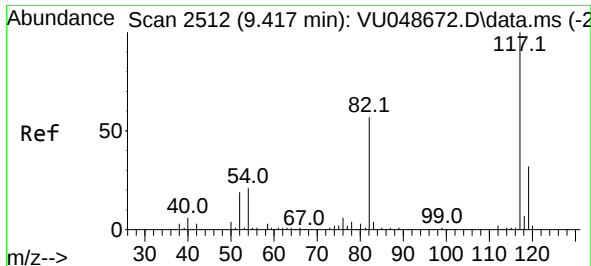
Tgt Ion: 98 Resp: 474251
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 38.653 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

Tgt Ion: 95 Resp: 151321
Ion Ratio Lower Upper
95 100
174 82.1 0.0 159.4
176 78.1 0.0 152.4

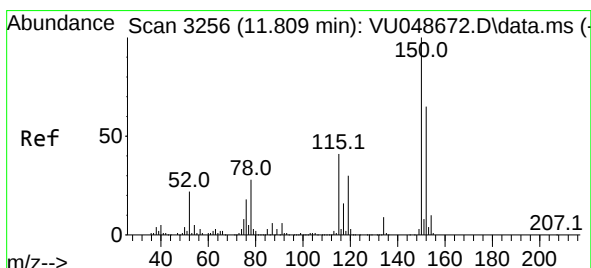
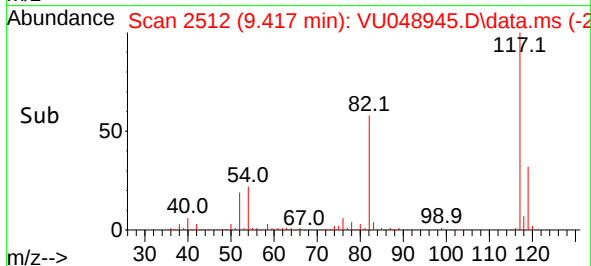
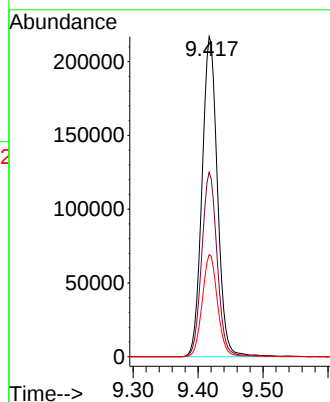
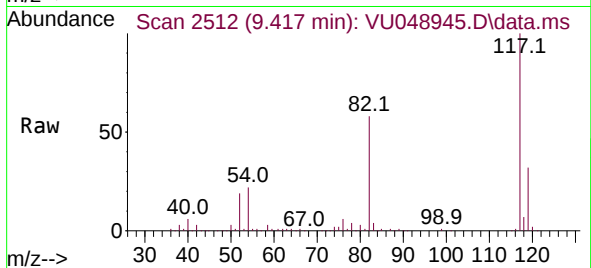




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

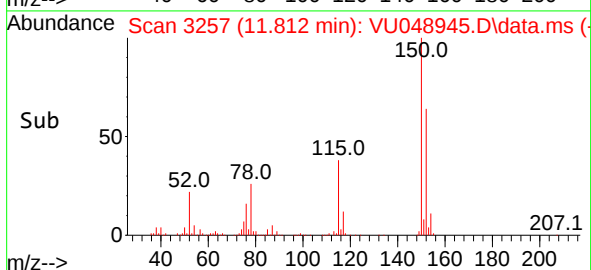
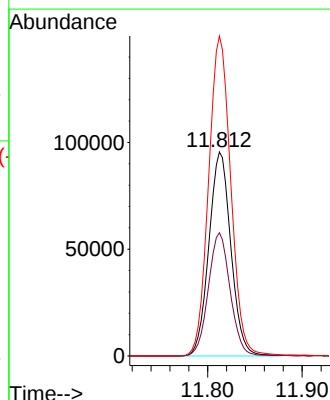
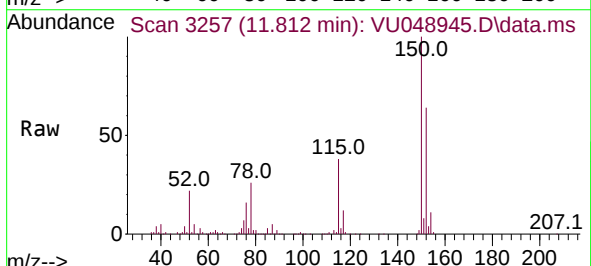
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531

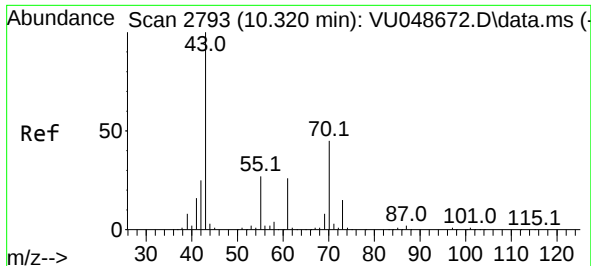
Tgt Ion:117 Resp: 359241
Ion Ratio Lower Upper
117 100
82 57.6 45.3 67.9
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

Tgt Ion:152 Resp: 154439
Ion Ratio Lower Upper
152 100
115 59.8 41.8 125.4
150 158.0 0.0 341.0

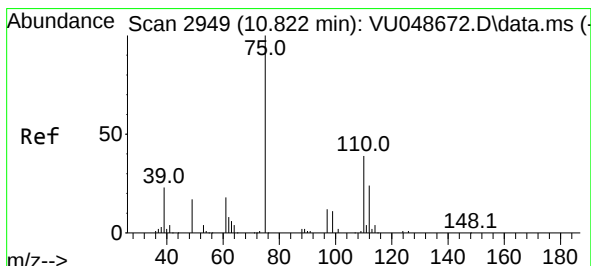
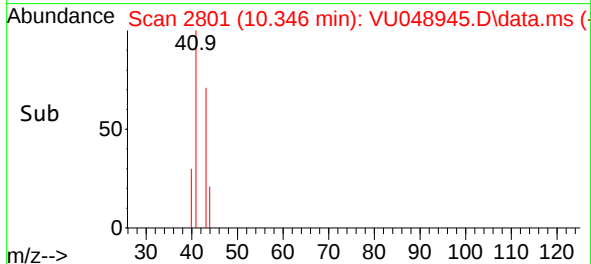
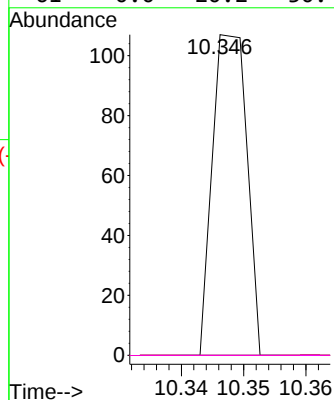
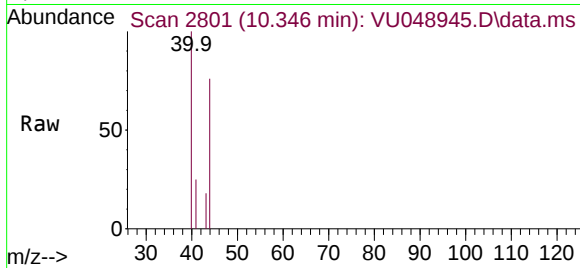




#74
N-amy1 acetate
Concen: 2.475 ug/l
RT: 10.346 min Scan# 2801
Delta R.T. 0.026 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

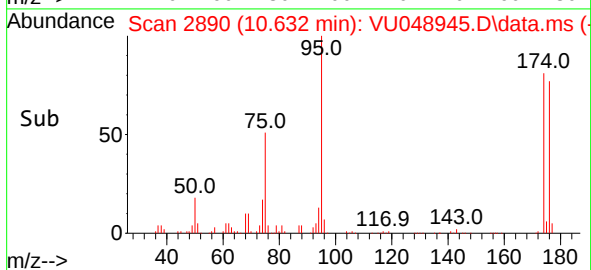
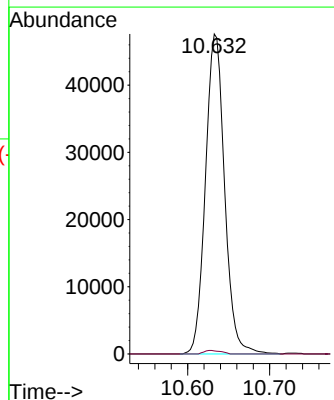
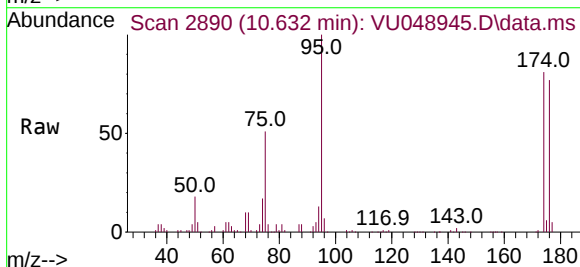
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531

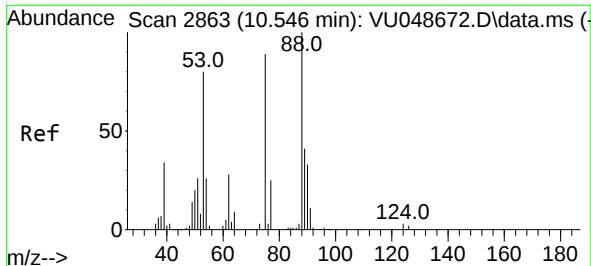
Tgt Ion: 43	Resp: 41
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 15.484 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

Tgt Ion: 75	Resp: 77104
Ion Ratio	Lower Upper
75 100	
77 1.0	14.8 44.3#

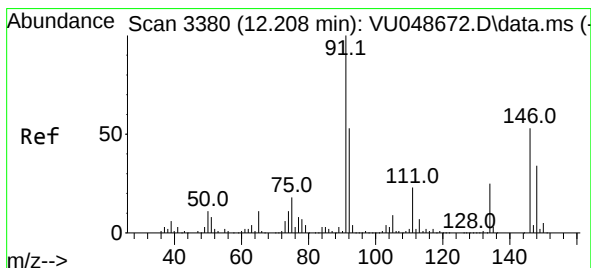
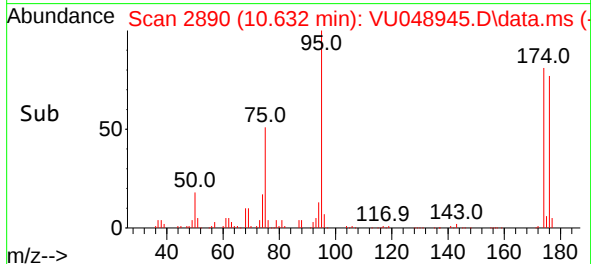
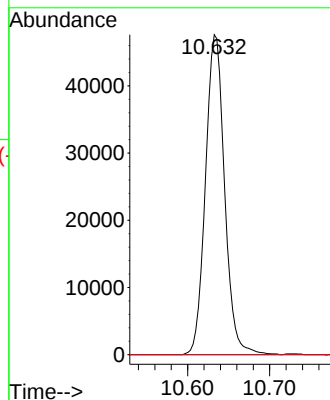
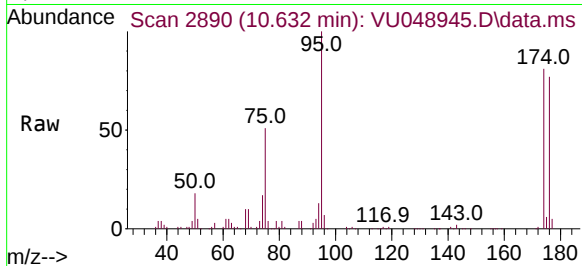




#81
trans-1,4-Dichloro-2-butene
Concen: 56.222 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

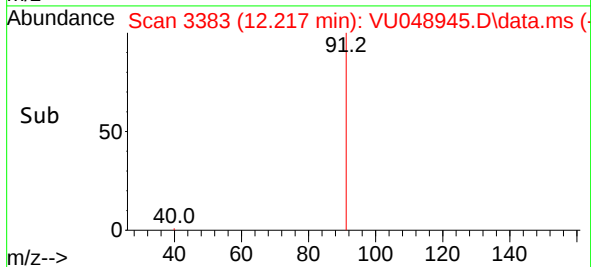
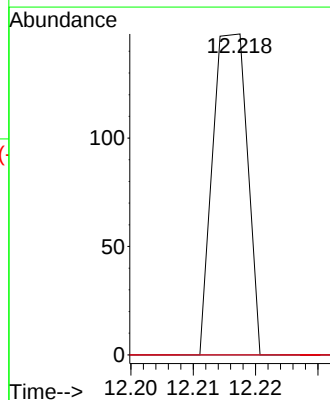
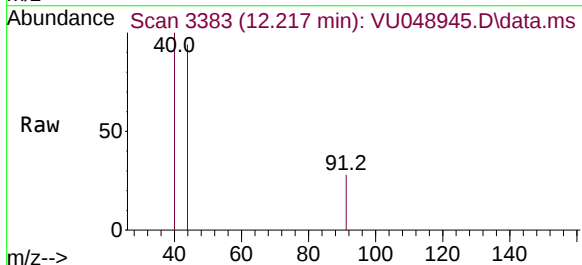
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220531

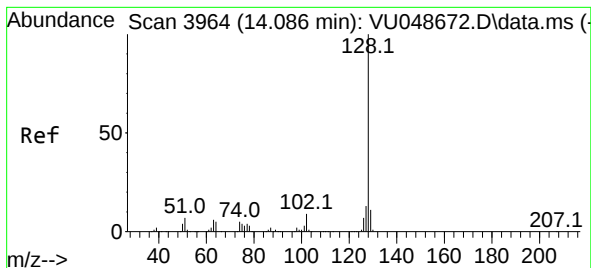
Tgt Ion: 75 Resp: 77104
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#89
n-Butylbenzene
Concen: 2.191 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.009 min
Lab File: VU048945.D
Acq: 08 Jun 2022 05:45

Tgt Ion: 91 Resp: 57
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#





#95

Naphthalene

Concen: 2.561 ug/l

RT: 14.111 min Scan# 39

Delta R.T. 0.025 min

Lab File: VU048945.D

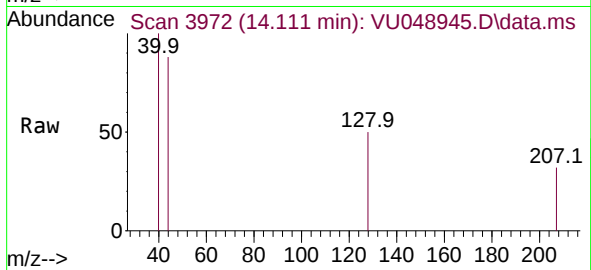
Acq: 08 Jun 2022 05:45

Instrument :

MSVOA_U

ClientSampleId :

DUP04-20220531



Tgt Ion:128 Resp: 361

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.7 13.1#

