

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070522\
 Data File : VU049625.D
 Acq On : 05 Jul 2022 17:58
 Operator : SY/MD
 Sample : N3564-27DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-16-2-4DL

Quant Time: Jul 06 07:49:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

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

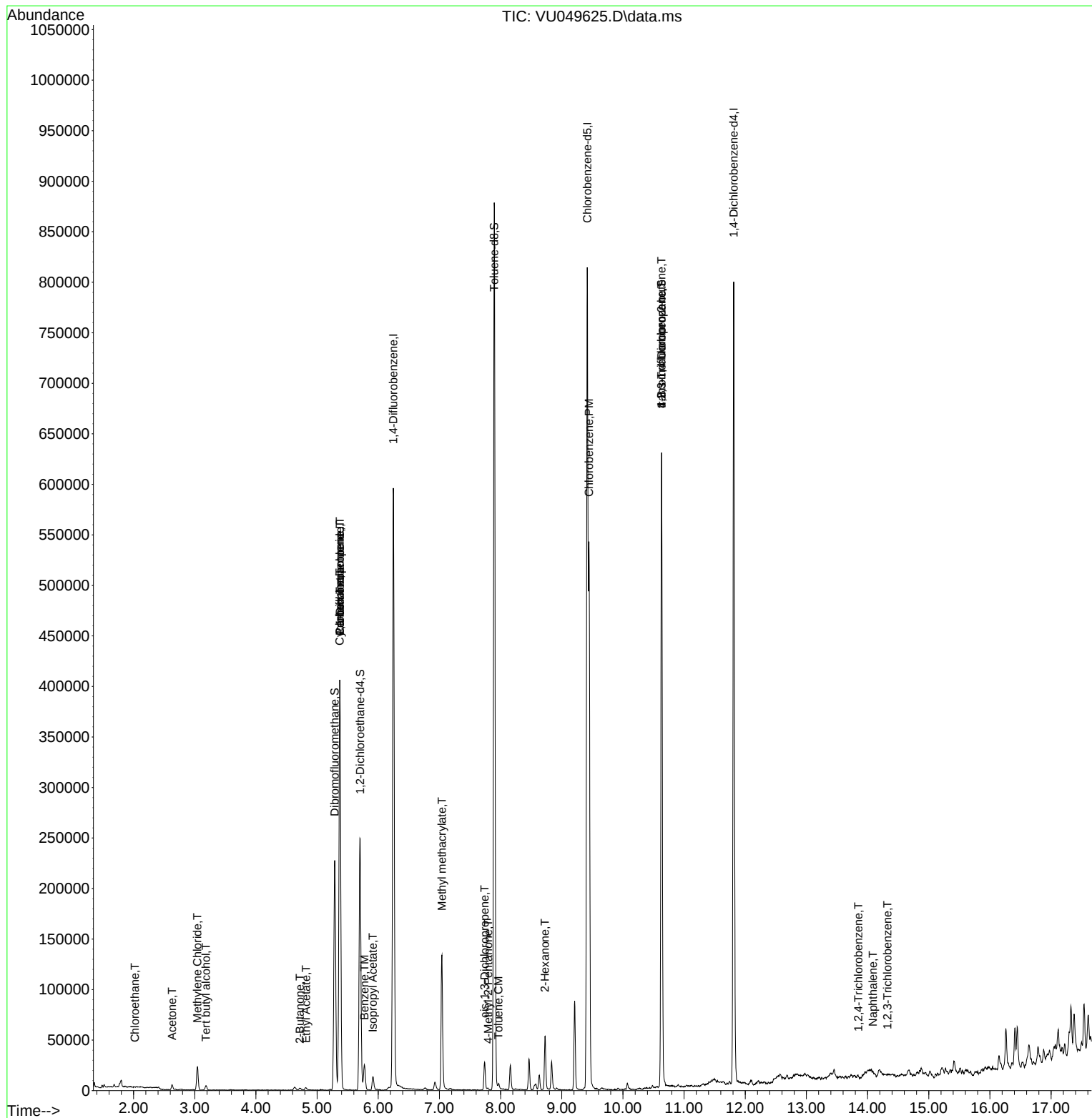
Internal Standards						
1) Pentafluorobenzene	5.372	168	278791	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	477389	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	436638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	207554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	184604	42.996	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.000%		
35) Dibromofluoromethane	5.288	113	148798	44.551	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.100%		
50) Toluene-d8	7.896	98	574742	48.246	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.500%		
62) 4-Bromofluorobenzene	10.632	95	216504	47.444	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.880%		
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	2412	Below Cal		90
6) Chloroethane	2.022	64	50	1.938	ug/l #	44
11) Tert butyl alcohol	3.182	59	2680	2.667	ug/l #	37
16) Acetone	2.629	43	6312	2.915	ug/l	98
20) Methylene Chloride	3.041	84	11187	2.397	ug/l	92
25) 2-Butanone	4.719	43	3418	1.053	ug/l #	83
31) Cyclohexane	5.369	56	5923	0.919	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	22062	4.556	ug/l #	49
37) Ethyl Acetate	4.819	43	4336	0.655	ug/l #	94
38) Carbon Tetrachloride	5.372	117	28086	5.530	ug/l #	16
40) Benzene	5.774	78	22550	1.542	ug/l	93
43) Isopropyl Acetate	5.912	43	15350	1.583	ug/l #	95
48) Methyl methacrylate	7.041	41	11338	2.495	ug/l #	31
51) 4-Methyl-2-Pentanone	7.796	43	1492	0.230	ug/l #	52
52) Toluene	7.967	92	1768	0.203	ug/l	96
54) cis-1,3-Dichloropropene	7.739	75	5041	0.847	ug/l #	64
59) 2-Hexanone	8.726	43	7240	1.419	ug/l #	49
65) Chlorobenzene	9.446	112	268517	30.081	ug/l	99
76) 1,2,3-Trichloropropane	10.632	75	108171	15.374	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.632	75	108171	56.775	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.848	180	133	1.781	ug/l #	1
95) Naphthalene	14.089	128	1508	1.826	ug/l #	62
96) 1,2,3-Trichlorobenzene	14.327	180	157	1.209	ug/l #	1

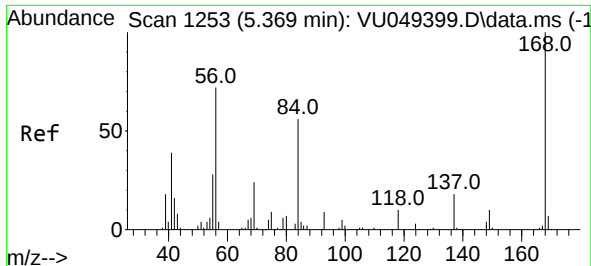
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 28 10:35:43 2022
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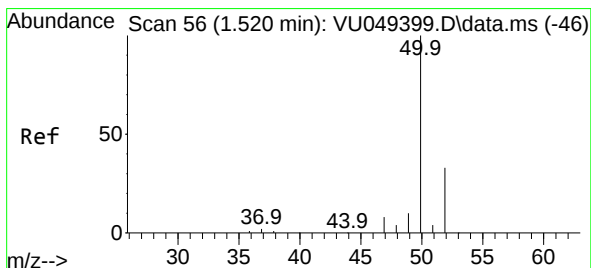
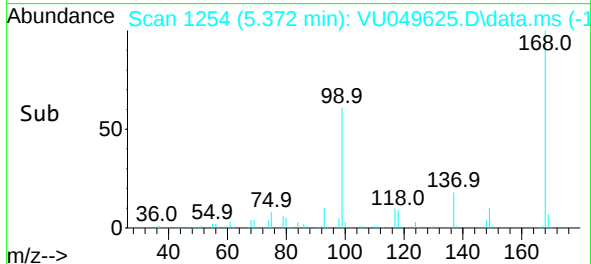
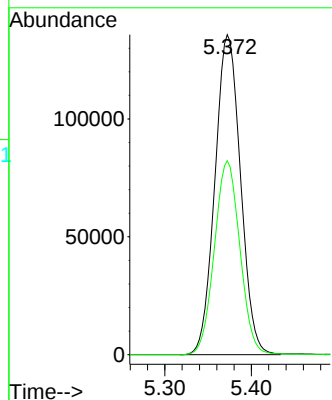
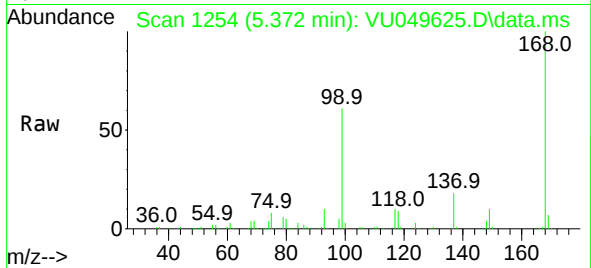




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

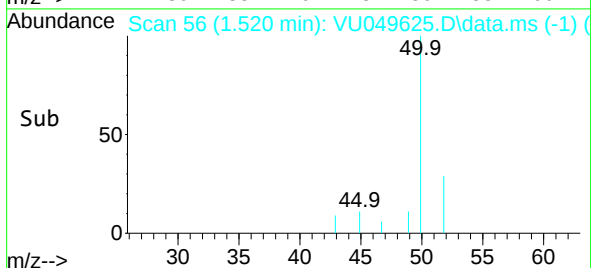
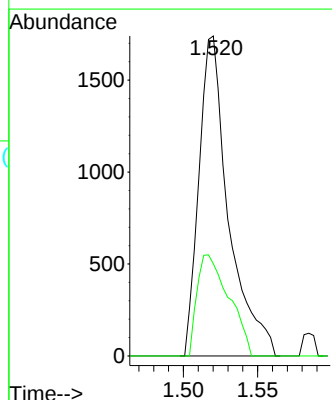
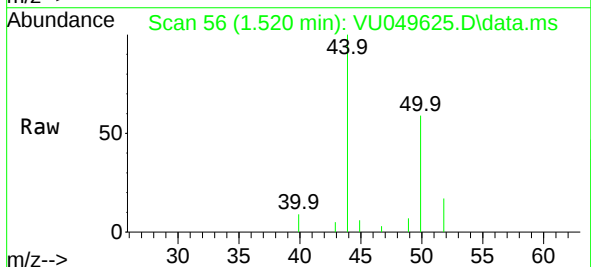
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4DL

Tgt Ion:168 Resp: 278791
Ion Ratio Lower Upper
168 100
99 60.6 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

Tgt Ion: 50 Resp: 2412
Ion Ratio Lower Upper
50 100
52 28.8 27.4 41.2

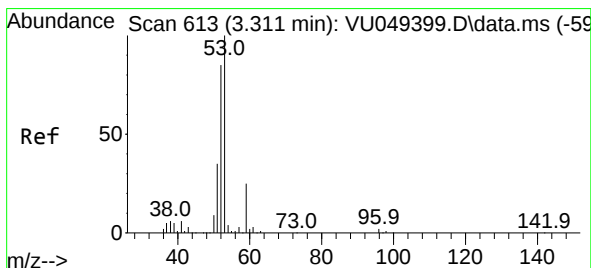
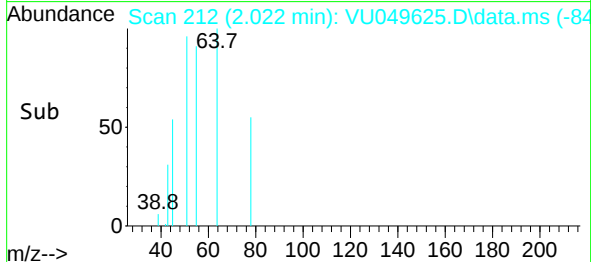
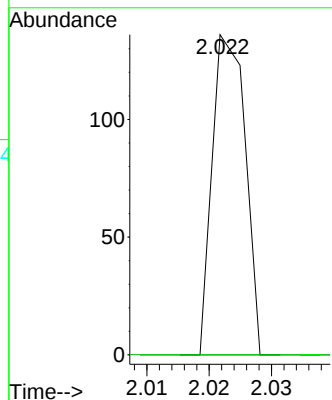
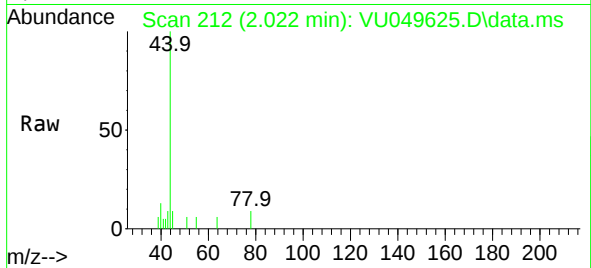




#6
Chloroethane
Concen: 1.938 ug/l
RT: 2.022 min Scan# 21
Delta R.T. 0.113 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

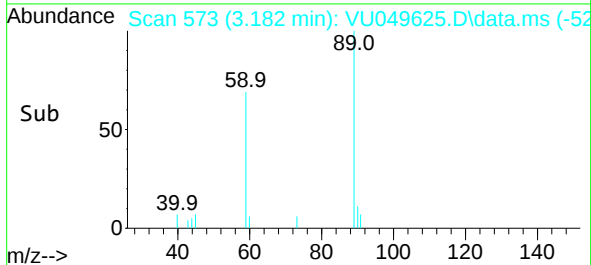
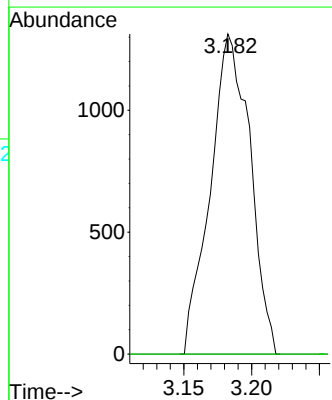
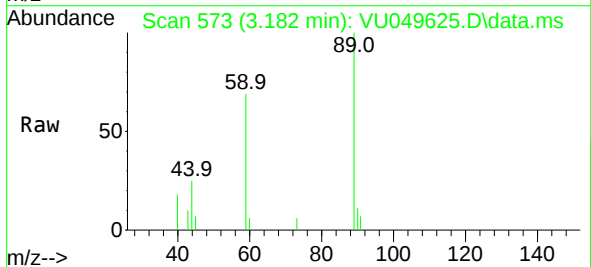
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4DL

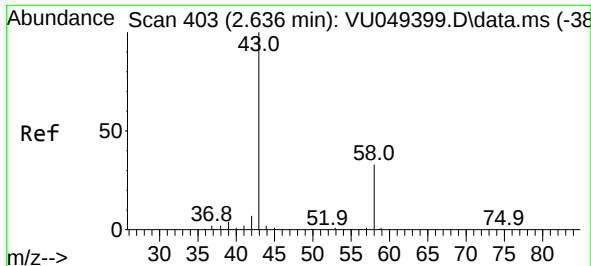
Tgt Ion: 64 Resp: 50
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 2.667 ug/l
RT: 3.182 min Scan# 573
Delta R.T. -0.129 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

Tgt Ion: 59 Resp: 2680
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#

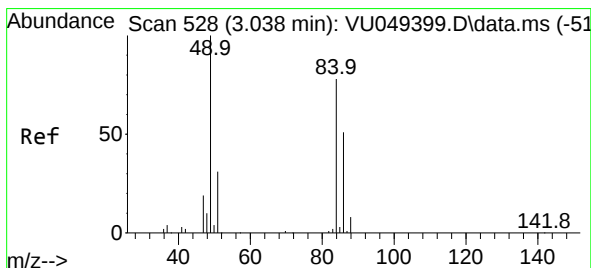
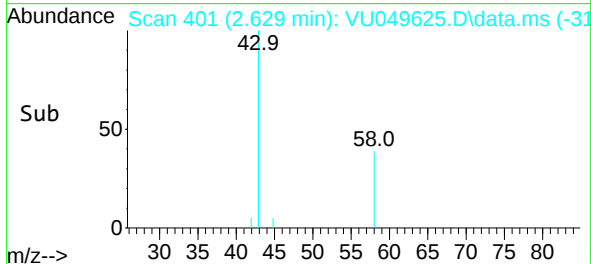
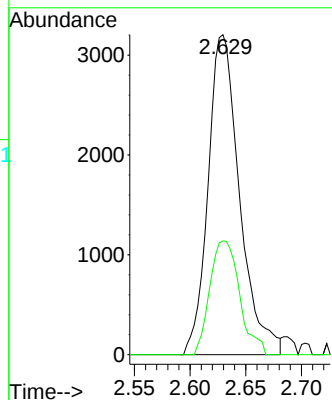
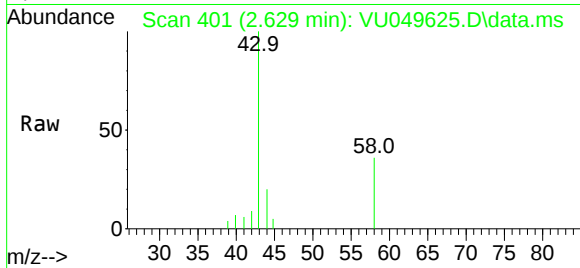




#16
Acetone
Concen: 2.915 ug/l
RT: 2.629 min Scan# 403
Delta R.T. -0.006 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

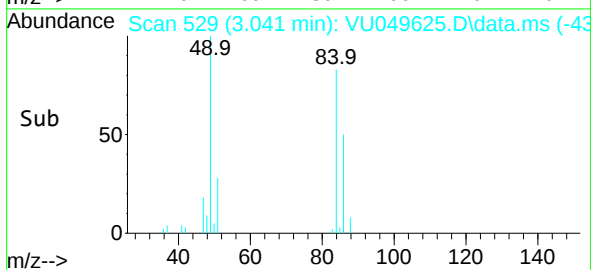
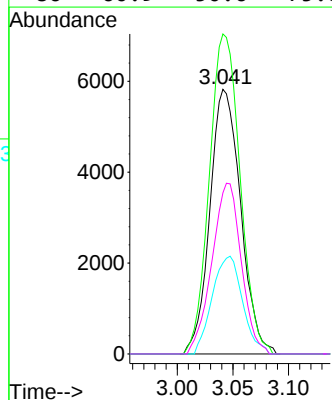
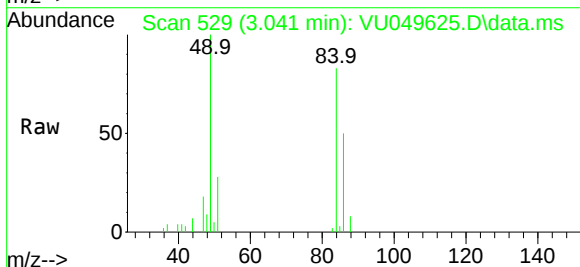
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4DL

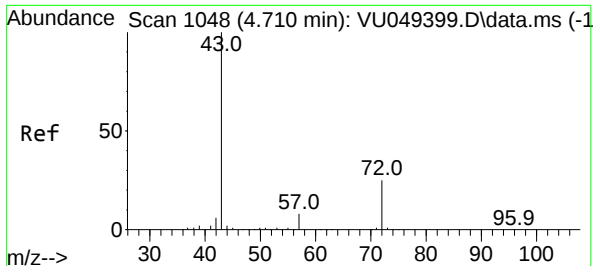
Tgt Ion: 43 Resp: 6312
Ion Ratio Lower Upper
43 100
58 35.5 27.5 41.3



#20
Methylene Chloride
Concen: 2.397 ug/l
RT: 3.041 min Scan# 529
Delta R.T. 0.003 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

Tgt Ion: 84 Resp: 11187
Ion Ratio Lower Upper
84 100
49 120.9 86.6 129.8
51 34.3 26.6 40.0
86 60.9 50.6 75.8





#25

2-Butanone

Concen: 1.053 ug/l

RT: 4.719 min Scan# 1051

Delta R.T. 0.010 min

Lab File: VU049625.D

Acq: 05 Jul 2022 17:58

Instrument :

MSVOA_U

ClientSampleId :

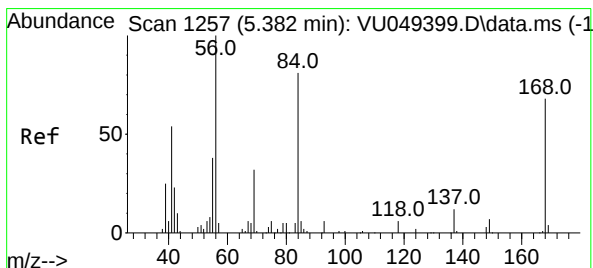
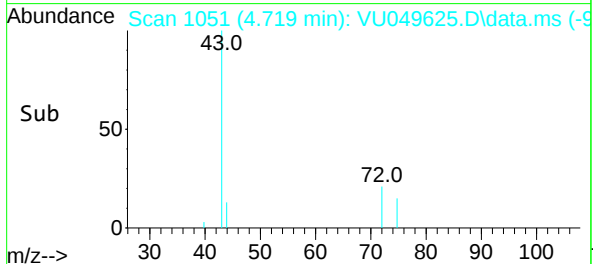
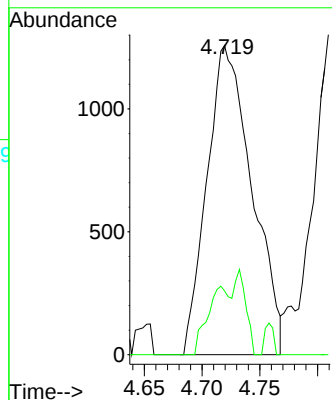
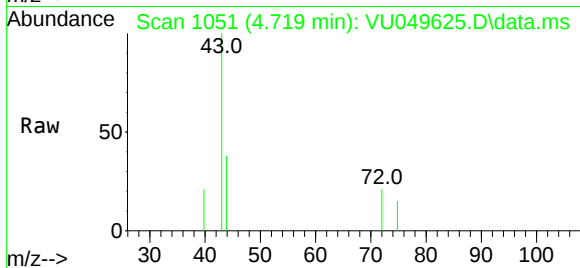
WC-16-2-4DL

Tgt Ion: 43 Resp: 3418

Ion Ratio Lower Upper

43 100

72 20.7 23.8 35.6#



#31

Cyclohexane

Concen: 0.919 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.013 min

Lab File: VU049625.D

Acq: 05 Jul 2022 17:58

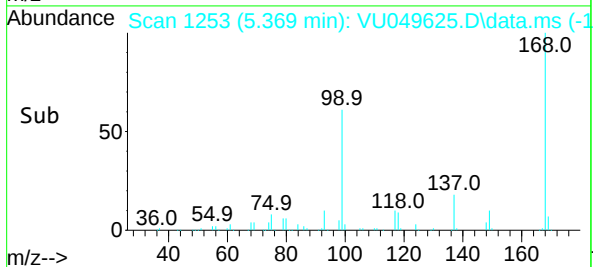
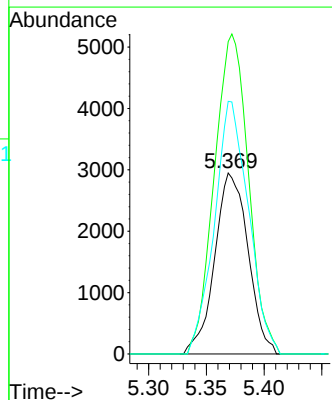
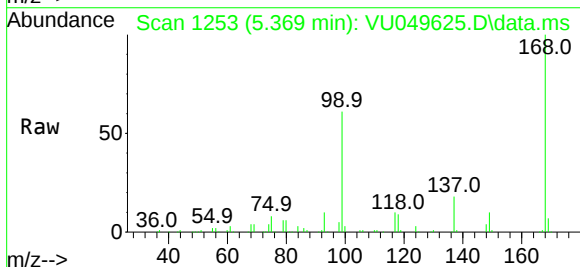
Tgt Ion: 56 Resp: 5923

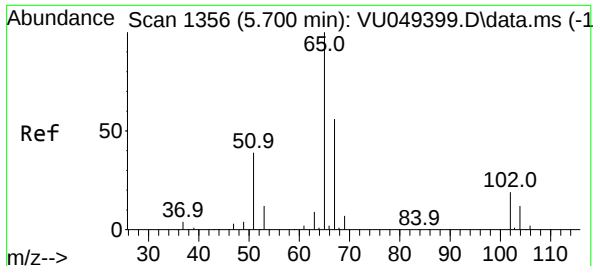
Ion Ratio Lower Upper

56 100

69 172.5 27.8 41.8#

84 139.6 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 42.996 ug/l

RT: 5.703 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049625.D

Acq: 05 Jul 2022 17:58

Instrument :

MSVOA_U

ClientSampleId :

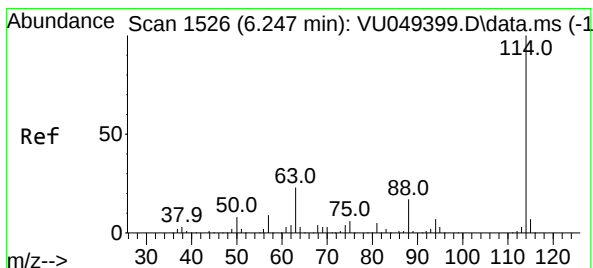
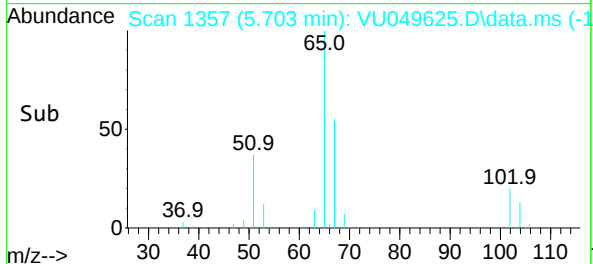
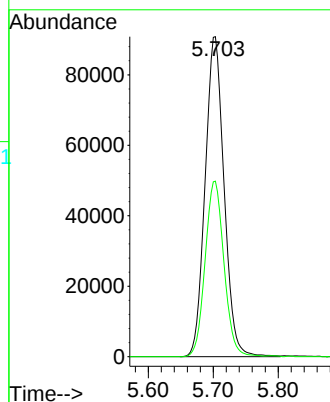
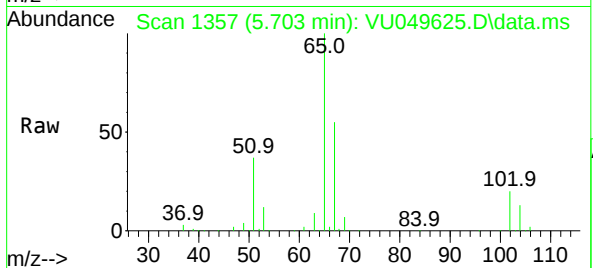
WC-16-2-4DL

Tgt Ion: 65 Resp: 184604

Ion Ratio Lower Upper

65 100

67 54.5 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. 0.000 min

Lab File: VU049625.D

Acq: 05 Jul 2022 17:58

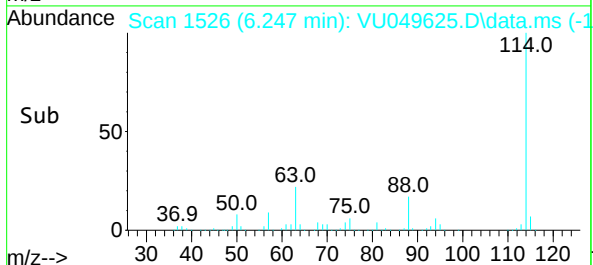
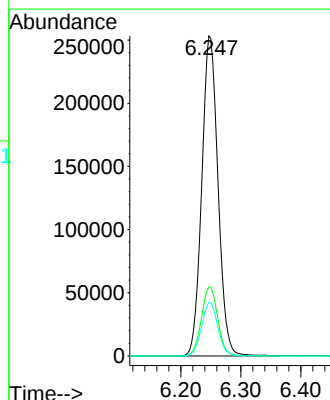
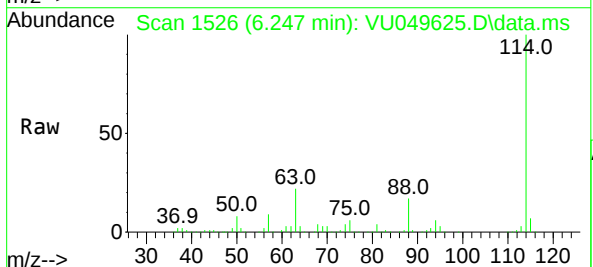
Tgt Ion: 114 Resp: 477389

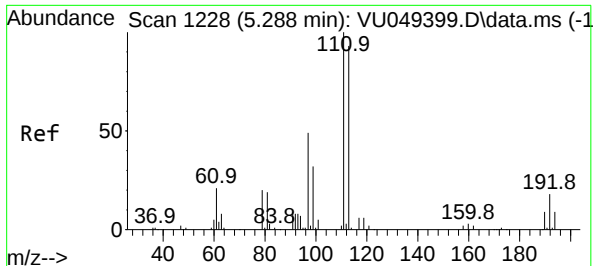
Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

88 16.7 0.0 29.2

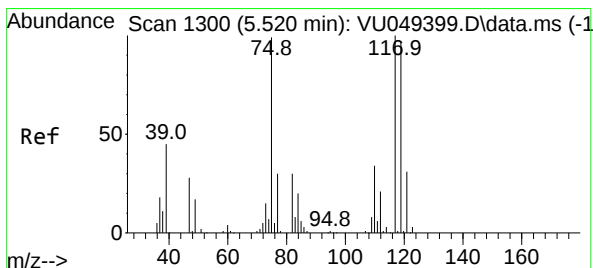
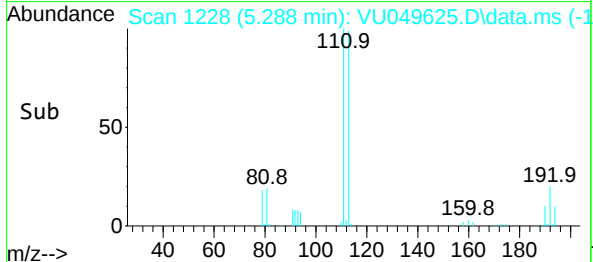
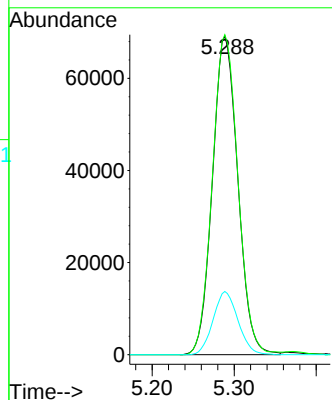
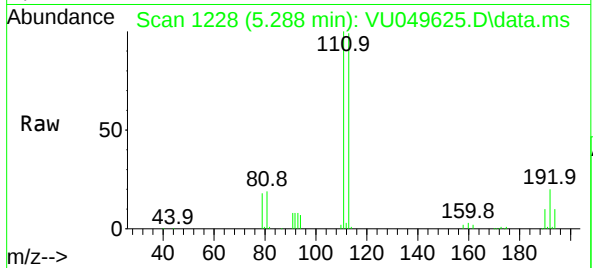




#35
Dibromofluoromethane
Concen: 44.551 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

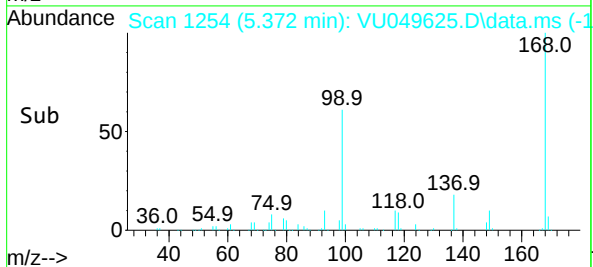
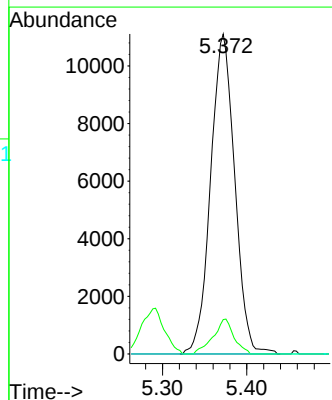
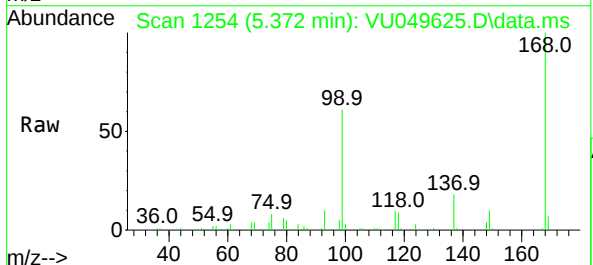
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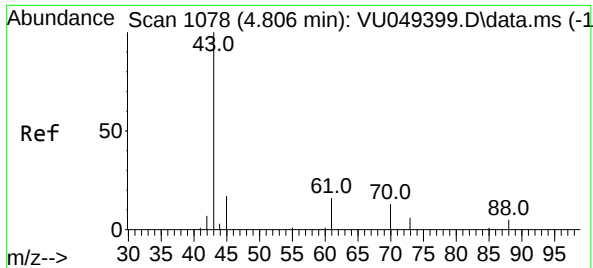
Tgt Ion:113 Resp: 148798
Ion Ratio Lower Upper
113 100
111 101.5 82.1 123.1
192 19.4 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.556 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

Tgt Ion: 75 Resp: 22062
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 25.1 37.7#

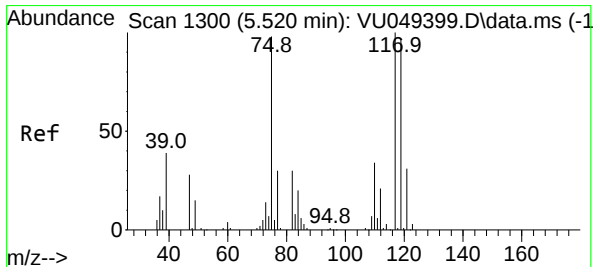
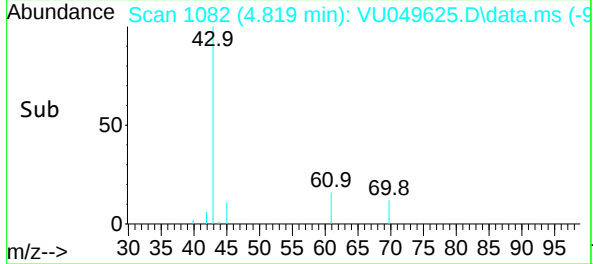
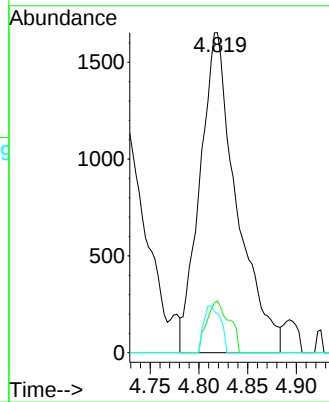
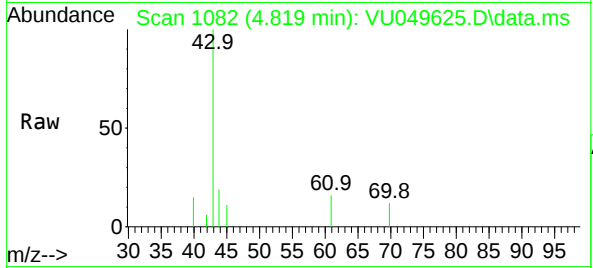




#37
Ethyl Acetate
Concen: 0.655 ug/l
RT: 4.819 min Scan# 1082
Delta R.T. 0.013 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

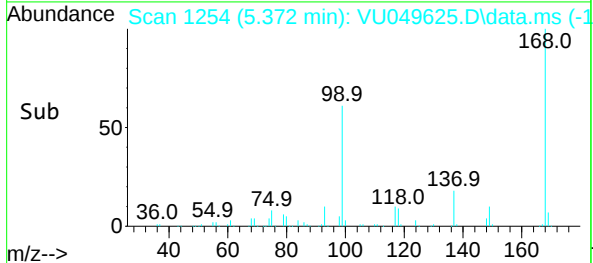
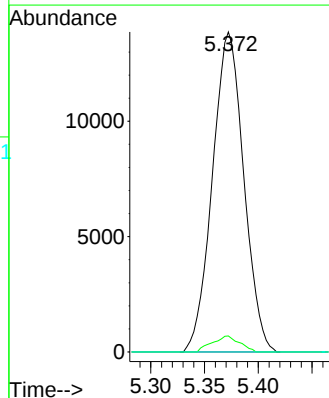
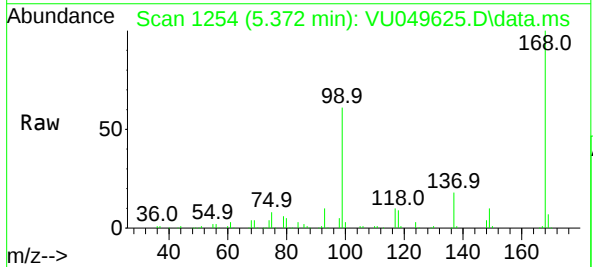
Instrument :
MSVOA_U
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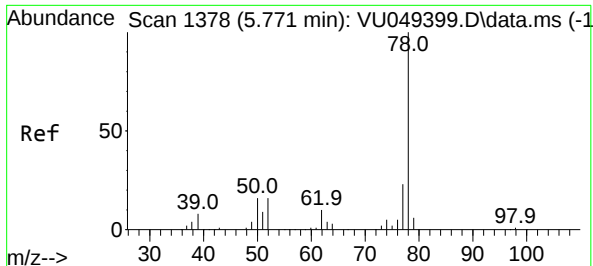
Tgt Ion: 43	Resp:	4336
Ion Ratio	Lower	Upper
43	100	
61	9.8	9.5 14.3
70	6.7	7.5 11.3



#38
Carbon Tetrachloride
Concen: 5.530 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

Tgt Ion: 117	Resp:	28086
Ion Ratio	Lower	Upper
117	100	
119	5.0	76.8 115.2
121	0.0	24.7 37.1





#40

Benzene

Concen: 1.542 ug/l

RT: 5.774 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049625.D

Acq: 05 Jul 2022 17:58

Instrument :

MSVOA_U

ClientSampleId :

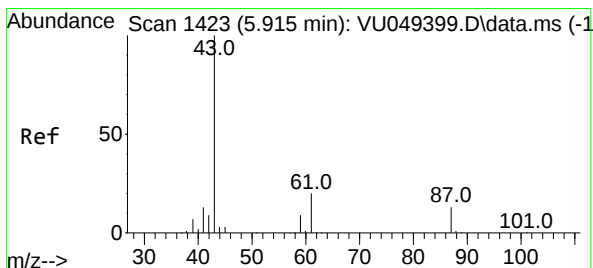
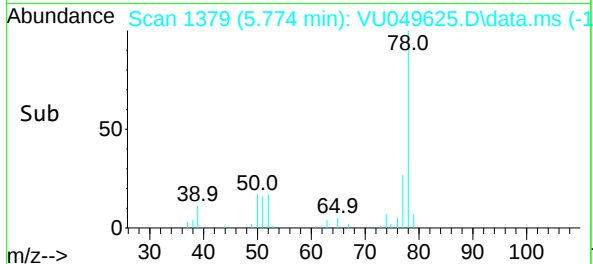
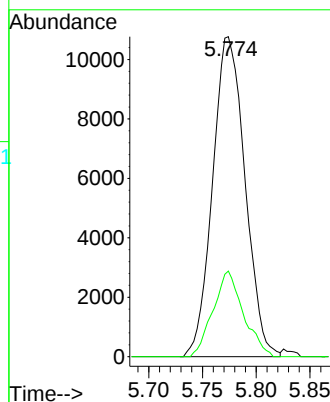
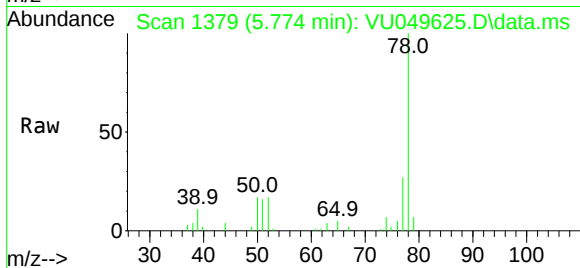
WC-16-2-4DL

Tgt Ion: 78 Resp: 22550

Ion Ratio Lower Upper

78 100

77 26.8 18.8 28.2



#43

Isopropyl Acetate

Concen: 1.583 ug/l

RT: 5.912 min Scan# 1422

Delta R.T. -0.003 min

Lab File: VU049625.D

Acq: 05 Jul 2022 17:58

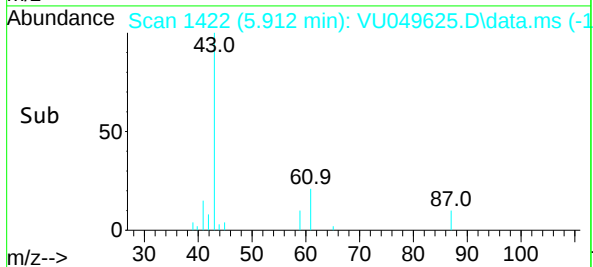
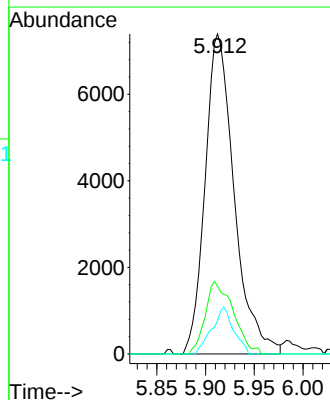
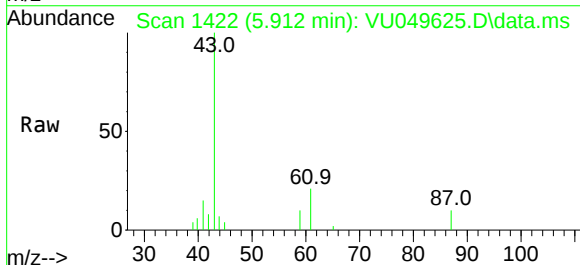
Tgt Ion: 43 Resp: 15350

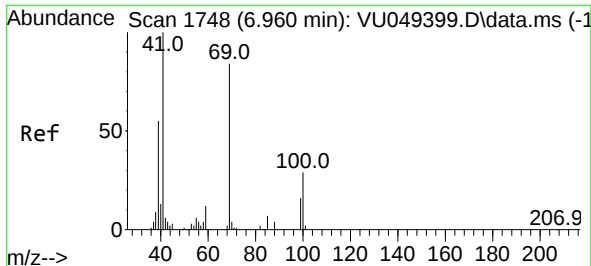
Ion Ratio Lower Upper

43 100

61 21.8 17.4 26.0

87 10.9 12.6 18.8#





#48

Methyl methacrylate

Concen: 2.495 ug/l

RT: 7.041 min Scan# 1

Delta R.T. 0.080 min

Lab File: VU049625.D

Acq: 05 Jul 2022 17:58

Instrument :

MSVOA_U

ClientSampleId :

WC-16-2-4DL

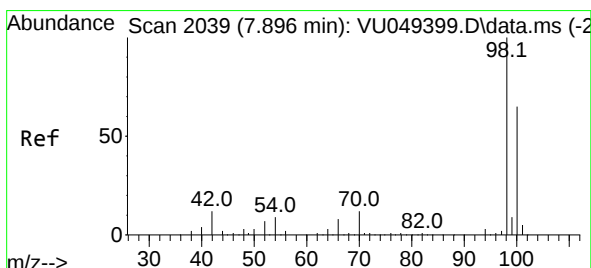
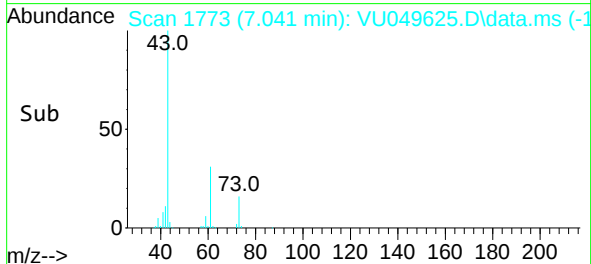
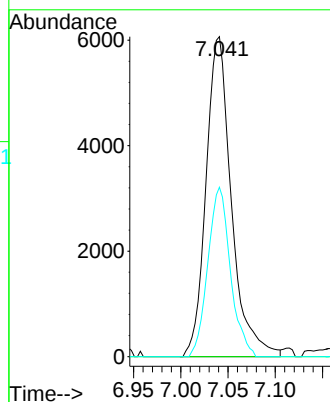
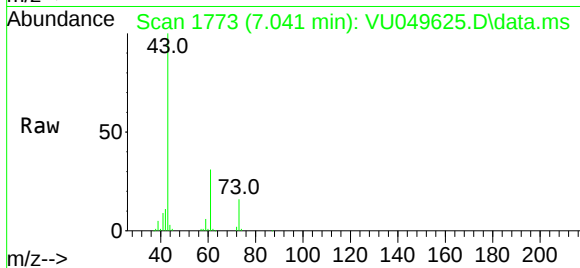
Tgt Ion: 41 Resp: 11338

Ion Ratio Lower Upper

41 100

69 0.0 79.8 119.6#

39 46.9 47.9 71.9#



#50

Toluene-d8

Concen: 48.246 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049625.D

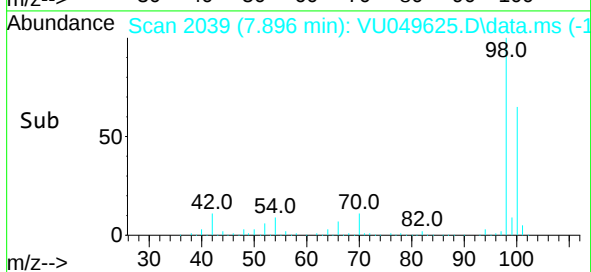
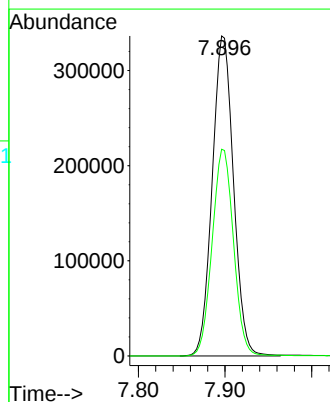
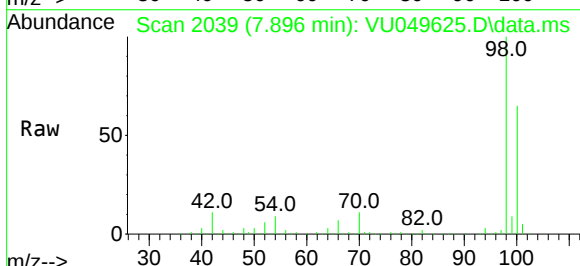
Acq: 05 Jul 2022 17:58

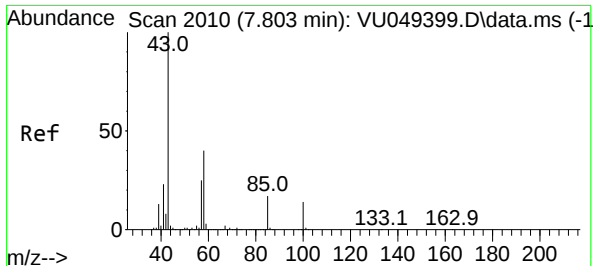
Tgt Ion: 98 Resp: 574742

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.230 ug/l

RT: 7.796 min Scan# 2008

Delta R.T. -0.006 min

Lab File: VU049625.D

Acq: 05 Jul 2022 17:58

Instrument :

MSVOA_U

ClientSampleId :

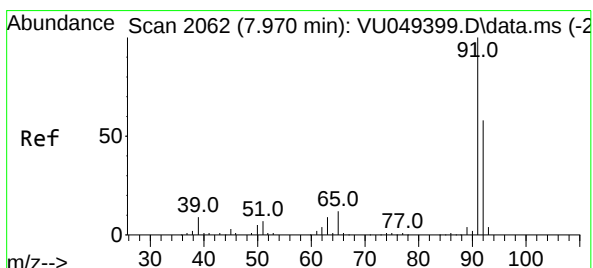
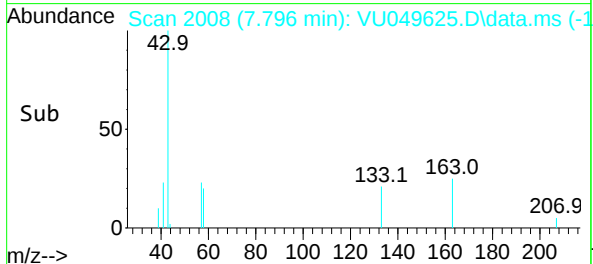
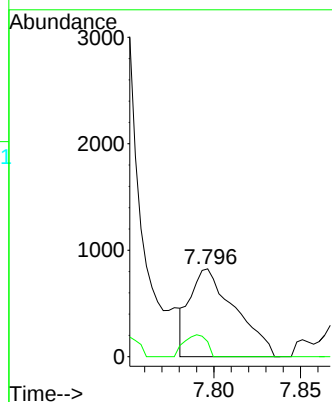
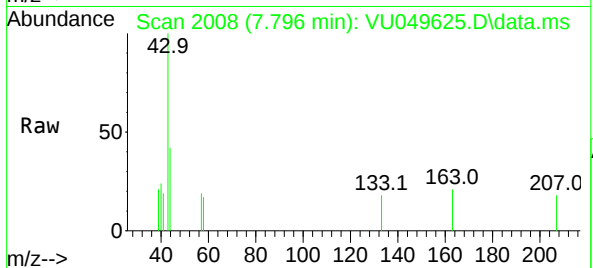
WC-16-2-4DL

Tgt Ion: 43 Resp: 1492

Ion Ratio Lower Upper

43 100

58 12.7 34.7 52.1#



#52

Toluene

Concen: 0.203 ug/l

RT: 7.967 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU049625.D

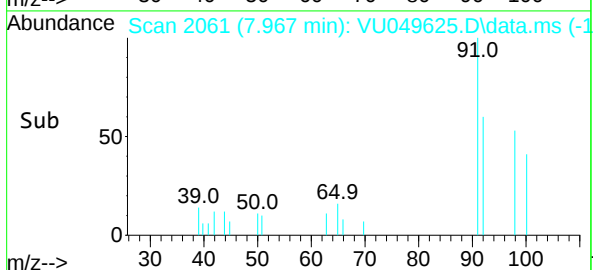
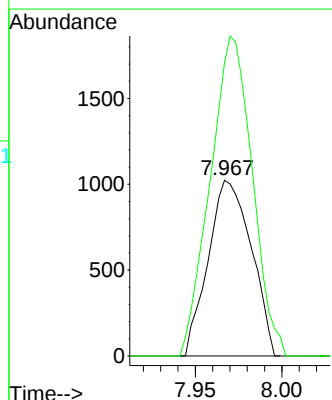
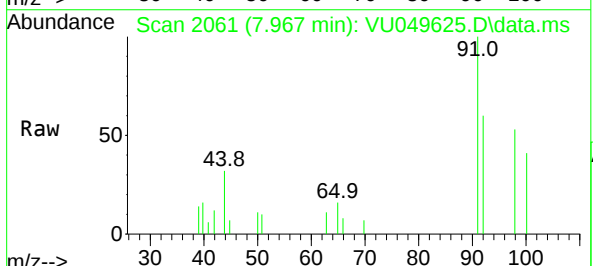
Acq: 05 Jul 2022 17:58

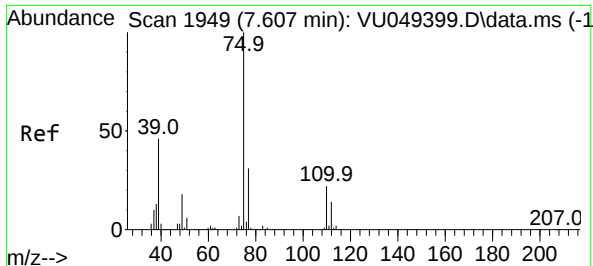
Tgt Ion: 92 Resp: 1768

Ion Ratio Lower Upper

92 100

91 177.9 138.2 207.4

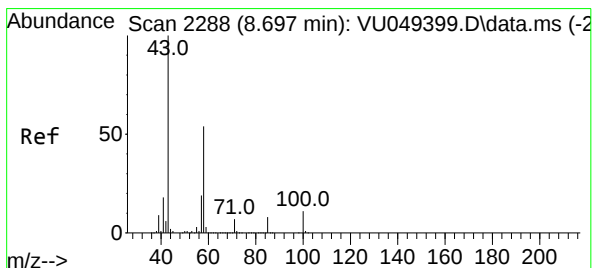
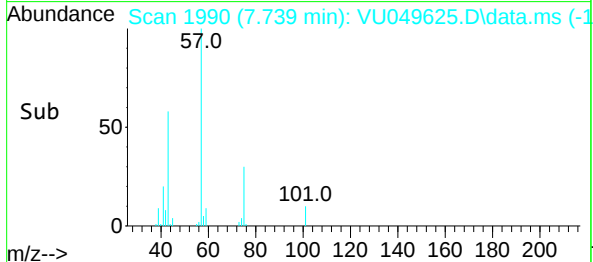
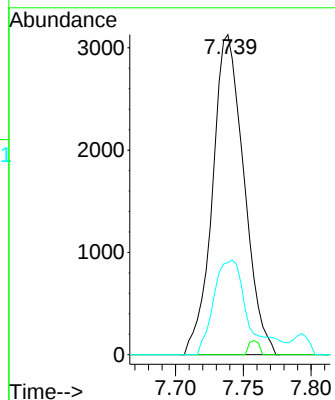
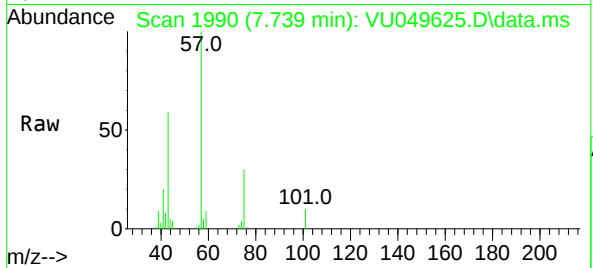




#54
cis-1,3-Dichloropropene
Concen: 0.847 ug/l
RT: 7.739 min Scan# 1949
Delta R.T. 0.132 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

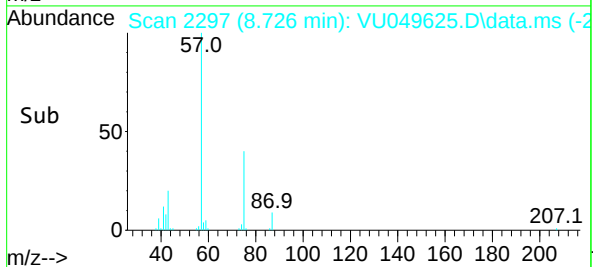
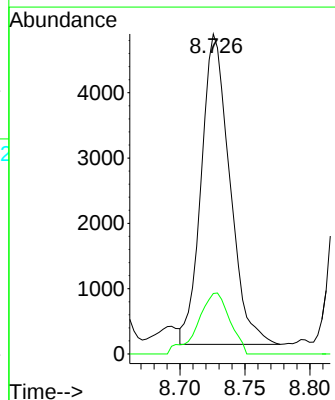
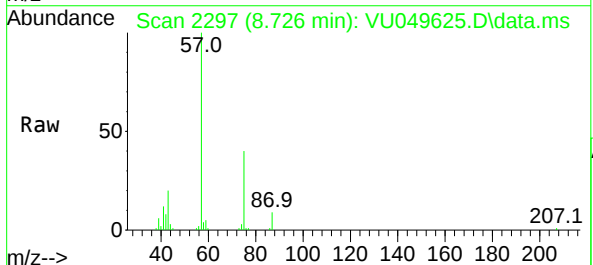
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4DL

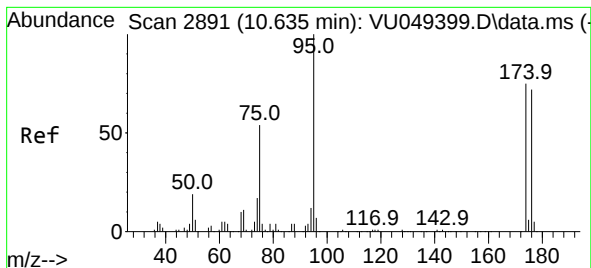
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.7	38.5#
39	28.8	33.0	49.6#



#59
2-Hexanone
Concen: 1.419 ug/l
RT: 8.726 min Scan# 2297
Delta R.T. 0.029 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	22.1	30.3	90.8#

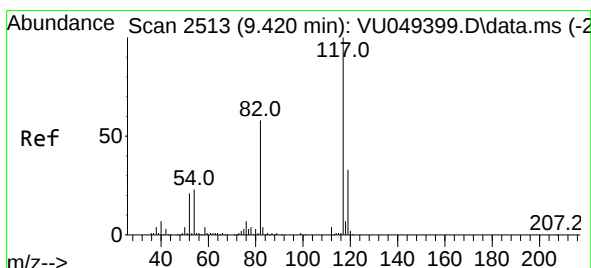
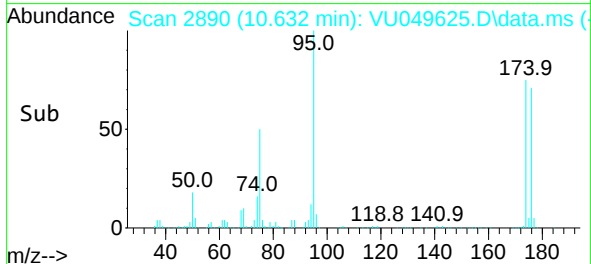
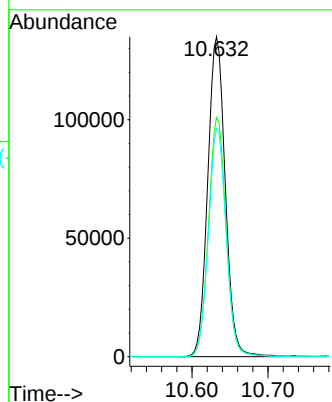
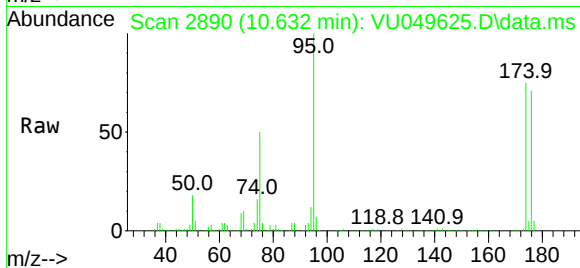




#62
4-Bromofluorobenzene
Concen: 47.444 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

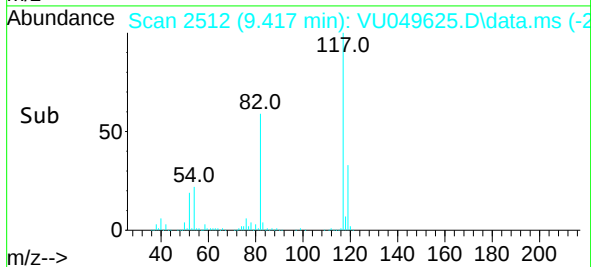
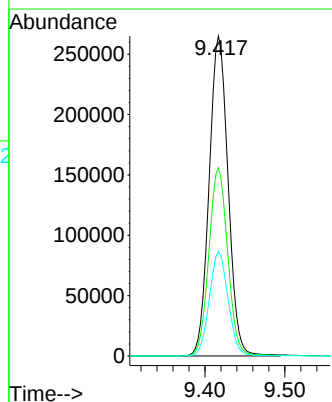
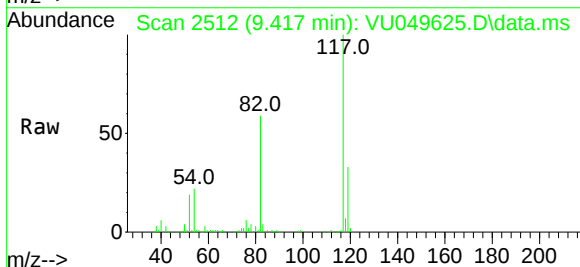
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4DL

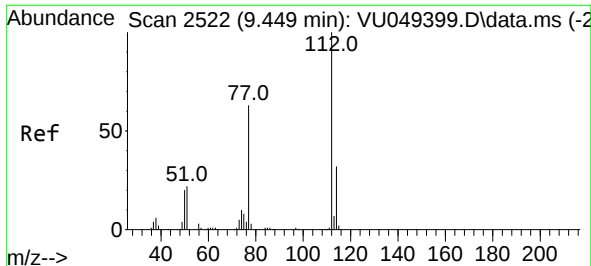
Tgt Ion: 95 Resp: 216504
Ion Ratio Lower Upper
95 100
174 74.9 0.0 182.0
176 71.8 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

Tgt Ion: 117 Resp: 436638
Ion Ratio Lower Upper
117 100
82 58.8 41.7 62.5
119 32.7 25.7 38.5

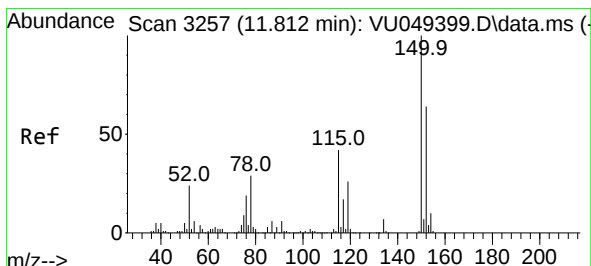
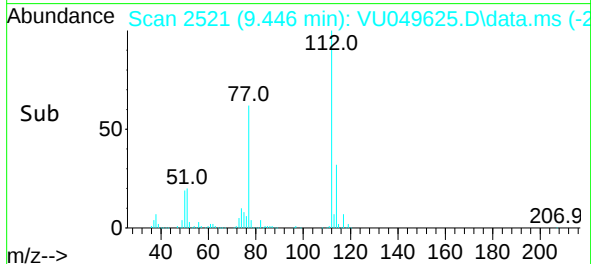
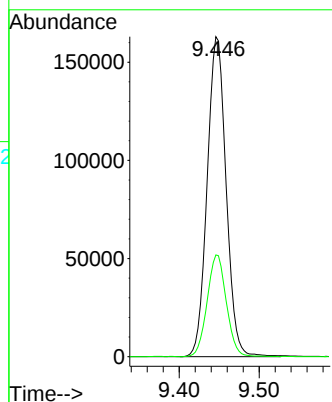
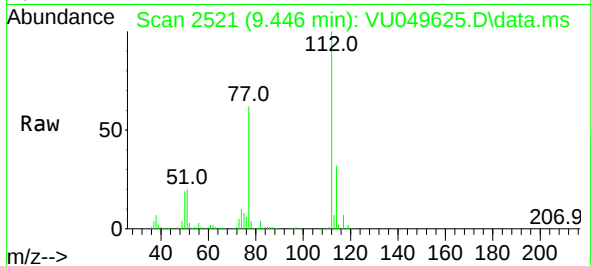




#65
Chlorobenzene
Concen: 30.081 ug/l
RT: 9.446 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

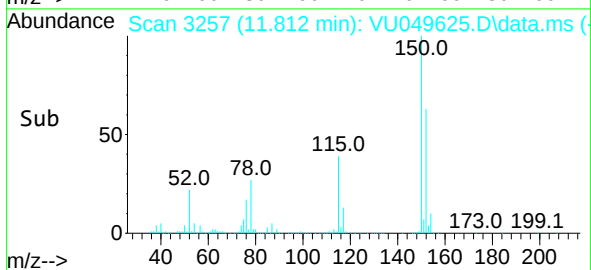
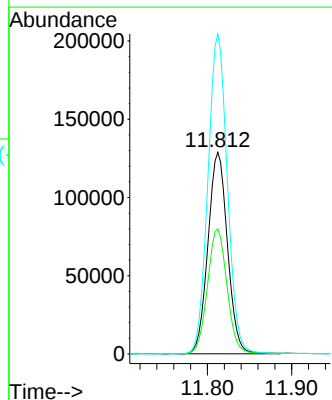
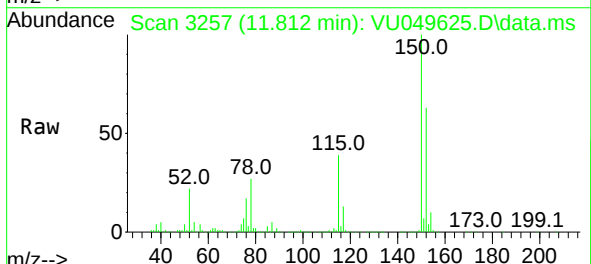
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4DL

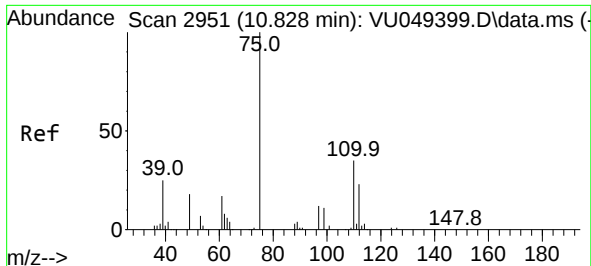
Tgt Ion:112 Resp: 268517
Ion Ratio Lower Upper
112 100
114 31.8 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

Tgt Ion:152 Resp: 207554
Ion Ratio Lower Upper
152 100
115 61.9 37.0 110.9
150 157.9 0.0 342.2

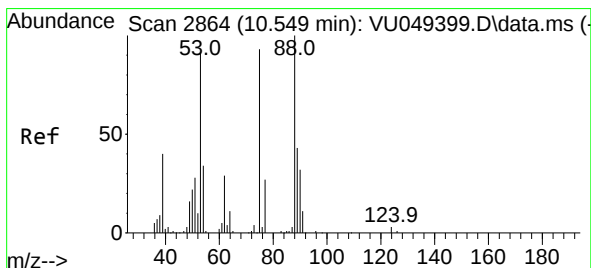
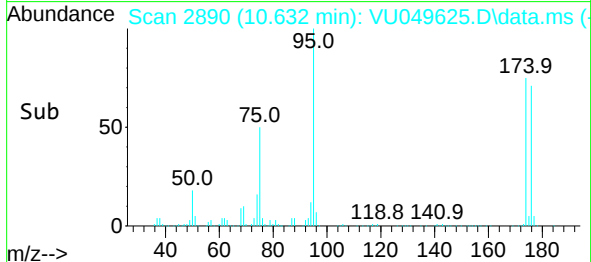
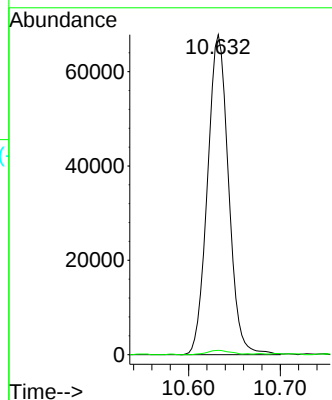
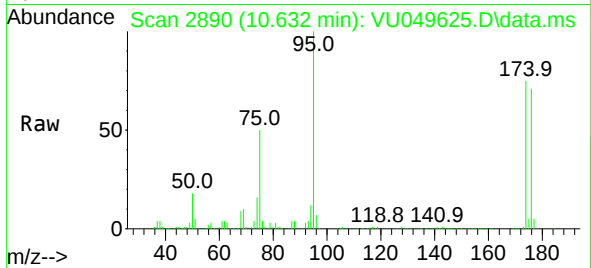




#76
1,2,3-Trichloropropane
Concen: 15.374 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

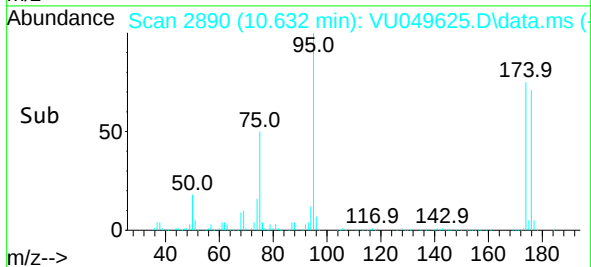
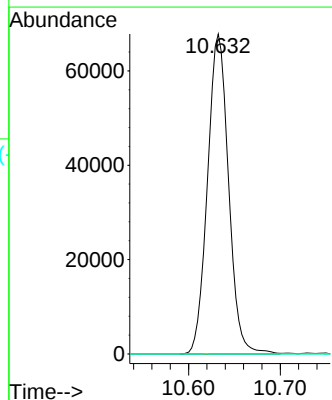
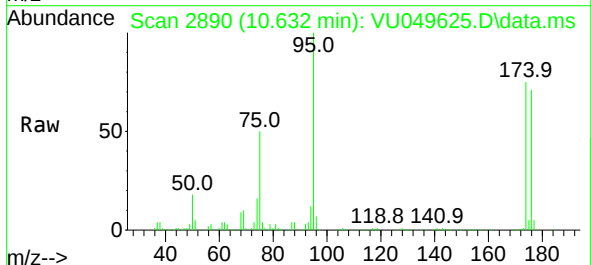
Instrument :
MSVOA_U
ClientSampleId :
WC-16-2-4DL

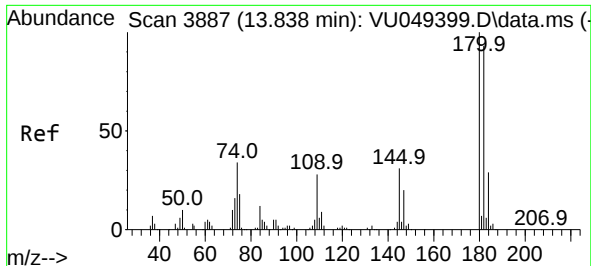
Tgt Ion: 75 Resp: 108171
Ion Ratio Lower Upper
75 100
77 1.5 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.775 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049625.D
Acq: 05 Jul 2022 17:58

Tgt Ion: 75 Resp: 108171
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#





#93

1,2,4-Trichlorobenzene

Concen: 1.781 ug/l

RT: 13.848 min Scan# 3887

Delta R.T. 0.010 min

Lab File: VU049625.D

Acq: 05 Jul 2022 17:58

Instrument :

MSVOA_U

ClientSampleId :

WC-16-2-4DL

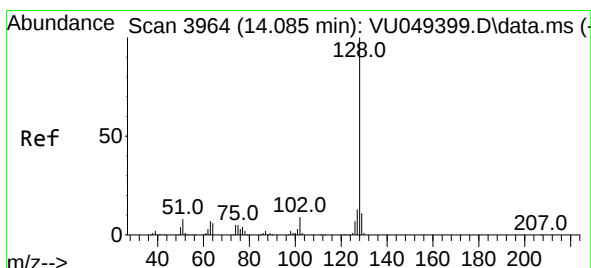
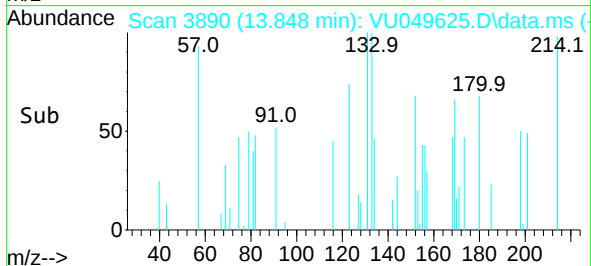
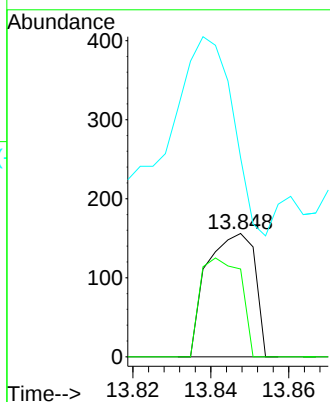
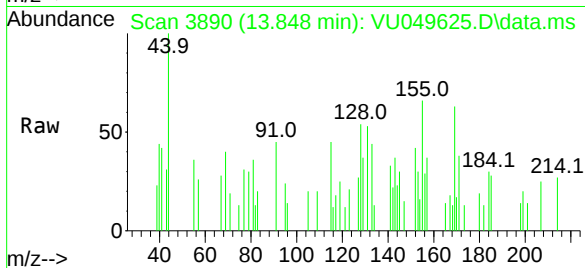
Tgt Ion:180 Resp: 133

Ion Ratio Lower Upper

180 100

182 67.7 47.9 143.6

145 309.8 14.0 41.9#



#95

Naphthalene

Concen: 1.826 ug/l

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VU049625.D

Acq: 05 Jul 2022 17:58

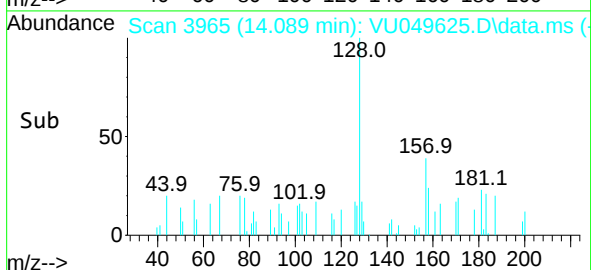
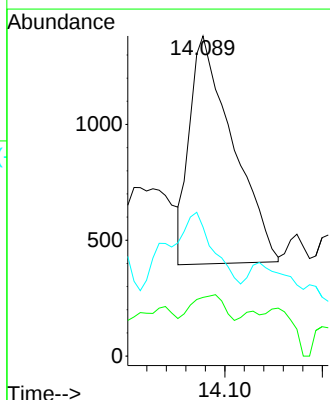
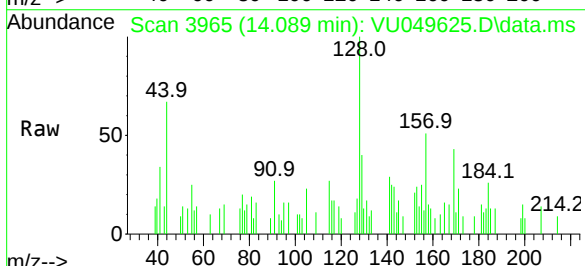
Tgt Ion:128 Resp: 1508

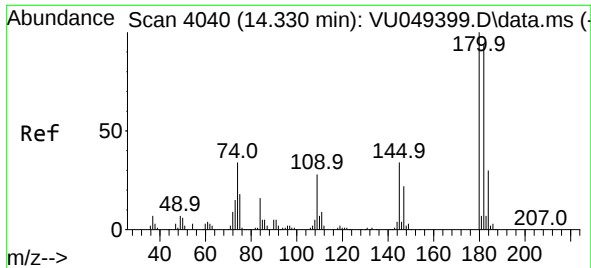
Ion Ratio Lower Upper

128 100

127 7.8 10.3 15.5#

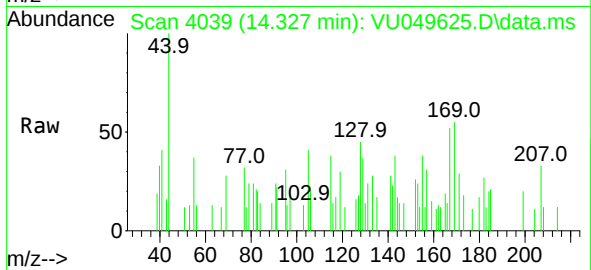
129 36.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.209 ug/l
 RT: 14.327 min Scan# 4040
 Delta R.T. -0.003 min
 Lab File: VU049625.D
 Acq: 05 Jul 2022 17:58

Instrument :
 MSVOA_U
 ClientSampleId :
 WC-16-2-4DL



Tgt Ion:180 Resp: 157
 Ion Ratio Lower Upper
 180 100
 182 242.0 48.4 145.0#
 145 0.0 14.8 44.4#

