

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070122\
 Data File : VU049590.D
 Acq On : 01 Jul 2022 18:30
 Operator : SY/MD
 Sample : N3569-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 152140-SPC-09-70

Quant Time: Jul 04 06:48:38 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)

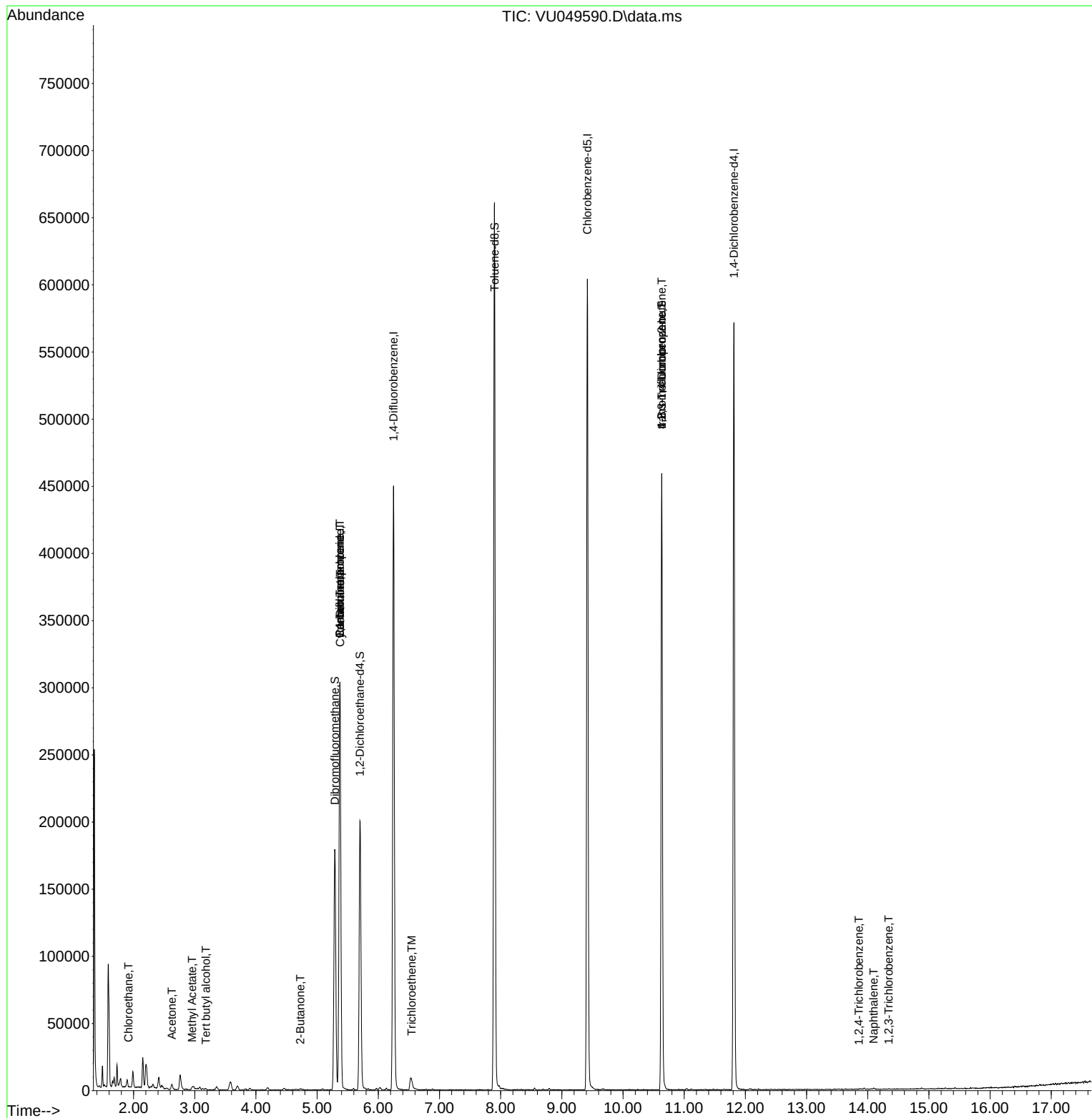
Internal Standards						
1) Pentafluorobenzene	5.372	168	203214	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	358632	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	324240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	146526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	150728	48.162	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.320%		
35) Dibromofluoromethane	5.289	113	116438	46.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.820%		
50) Toluene-d8	7.899	98	428549	47.887	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.780%		
62) 4-Bromofluorobenzene	10.632	95	153415	44.751	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.500%		
Target Compounds						
3) Chloromethane	1.520	50	1895	Below Cal		95
6) Chloroethane	1.916	64	20	1.928 ug/l	#	44
11) Tert butyl alcohol	3.183	59	917	1.252 ug/l	#	37
16) Acetone	2.626	43	4435	2.810 ug/l		95
18) Methyl Acetate	2.957	43	1037	0.243 ug/l	#	47
20) Methylene Chloride	3.044	84	312	Below Cal	#	59
25) 2-Butanone	4.726	43	1502	0.635 ug/l	#	68
31) Cyclohexane	5.375	56	4891	1.041 ug/l	#	1
36) 1,1-Dichloropropene	5.372	75	16842	4.629 ug/l	#	48
38) Carbon Tetrachloride	5.372	117	21608	5.663 ug/l	#	16
44) Trichloroethene	6.546	130	1393	0.533 ug/l		88
76) 1,2,3-Trichloropropane	10.632	75	80385	16.184 ug/l	#	45
81) trans-1,4-Dichloro-2-b...	10.632	75	80385	59.764 ug/l	#	15
93) 1,2,4-Trichlorobenzene	13.854	180	91	1.781 ug/l	#	1
95) Naphthalene	14.095	128	1115	1.830 ug/l	#	69
96) 1,2,3-Trichlorobenzene	14.343	180	39	1.188 ug/l	#	1

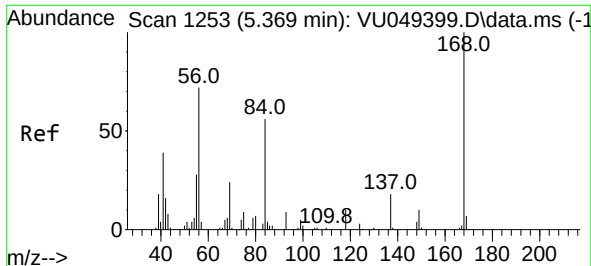
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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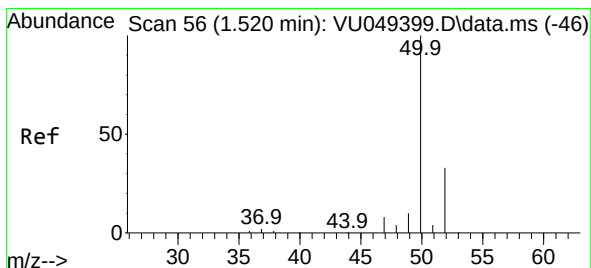
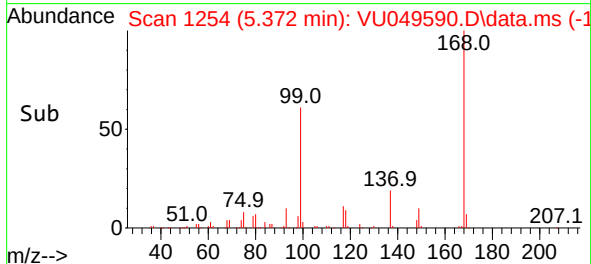
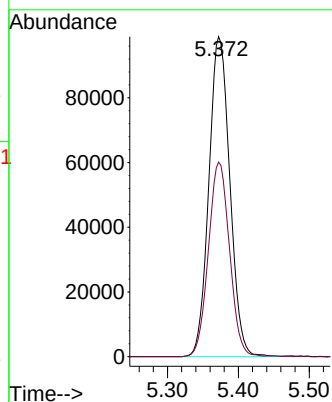
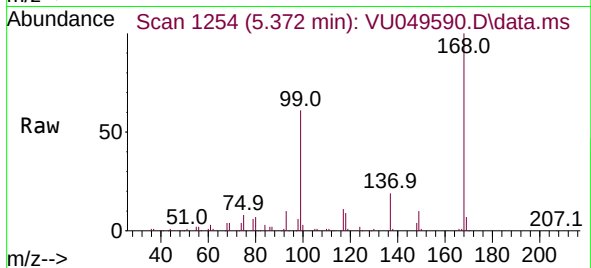




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

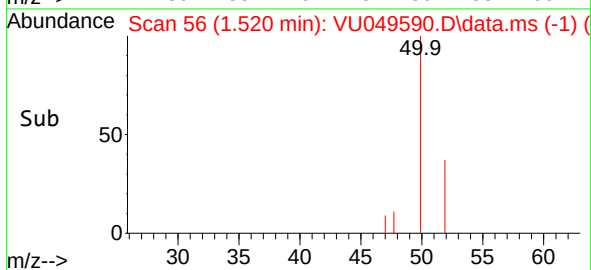
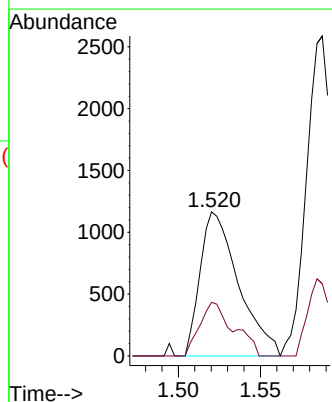
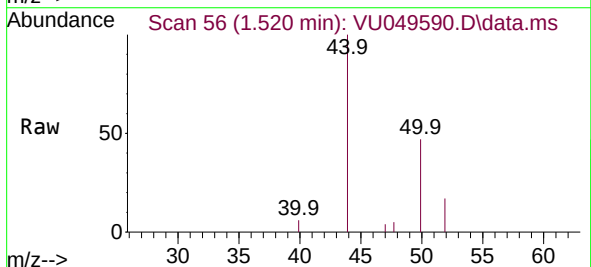
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-70

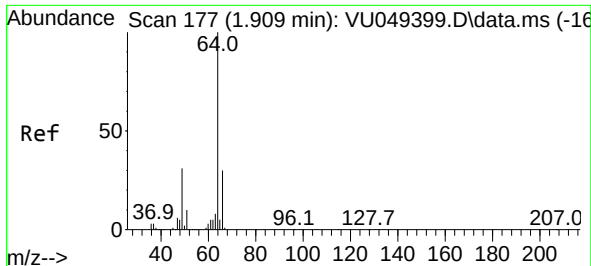
Tgt Ion:168 Resp: 203214
Ion Ratio Lower Upper
168 100
99 60.8 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

Tgt Ion: 50 Resp: 1895
Ion Ratio Lower Upper
50 100
52 37.1 27.4 41.2

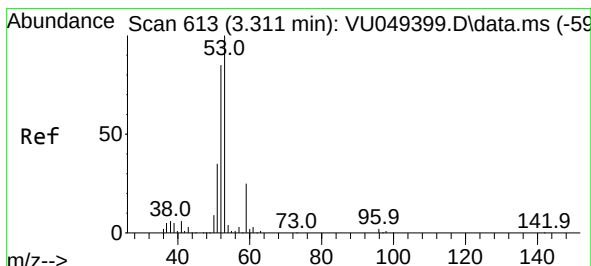
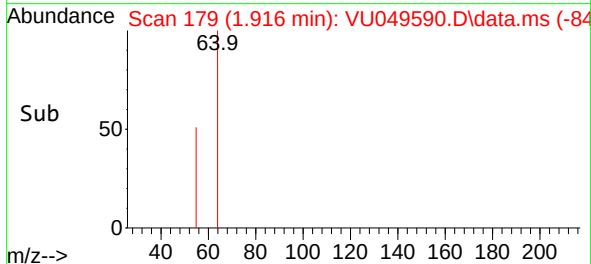
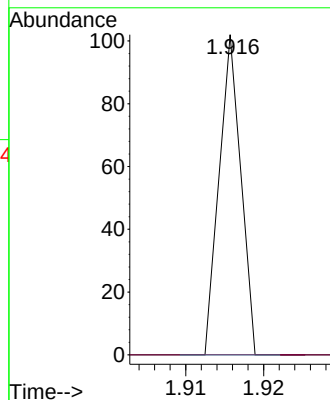
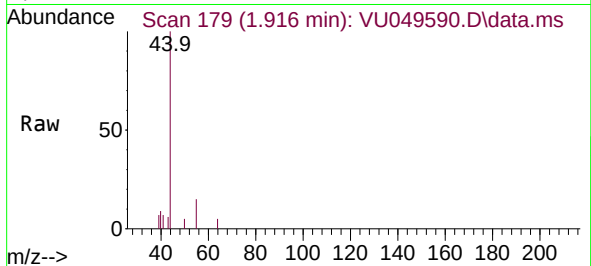




#6
Chloroethane
Concen: 1.928 ug/l
RT: 1.916 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

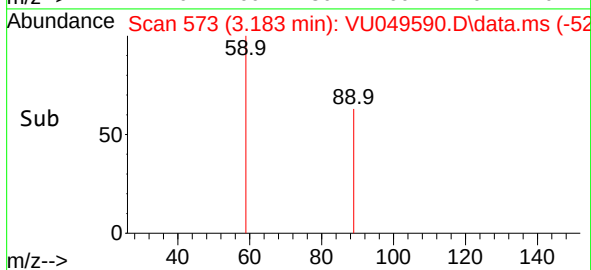
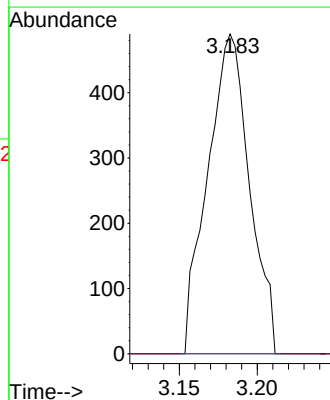
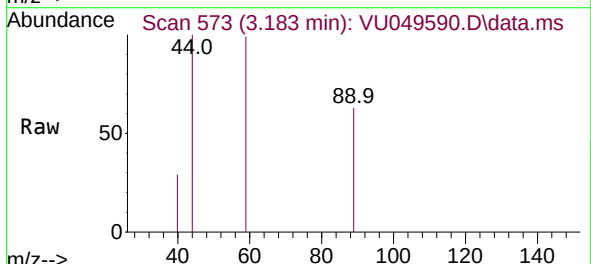
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-70

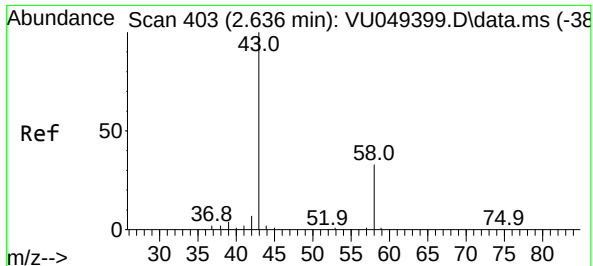
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 1.252 ug/l
RT: 3.183 min Scan# 573
Delta R.T. -0.128 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

Tgt Ion: 59 Resp: 917
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#

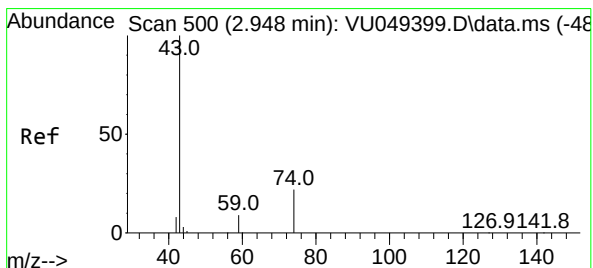
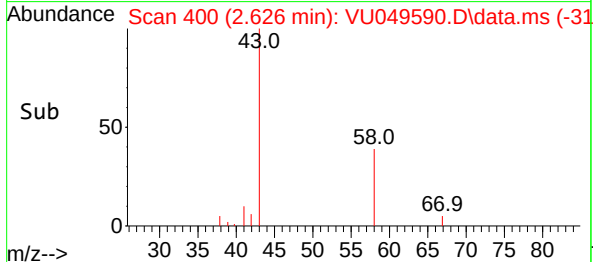
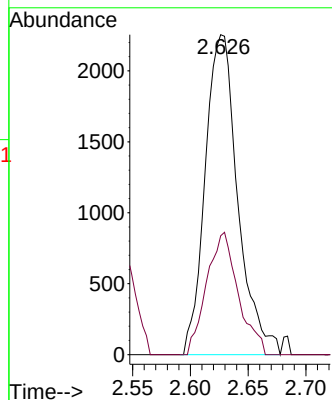
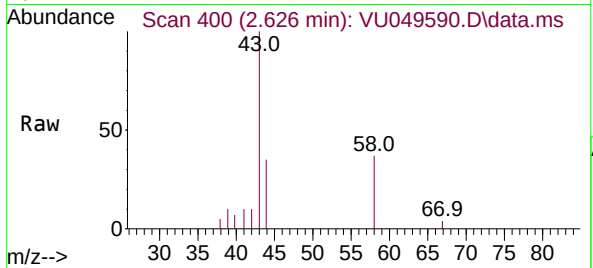




#16
Acetone
Concen: 2.810 ug/l
RT: 2.626 min Scan# 403
Delta R.T. -0.010 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

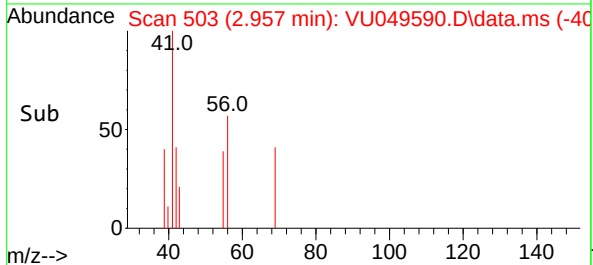
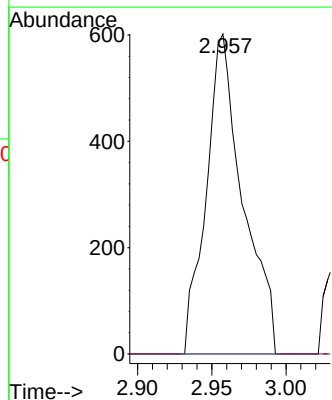
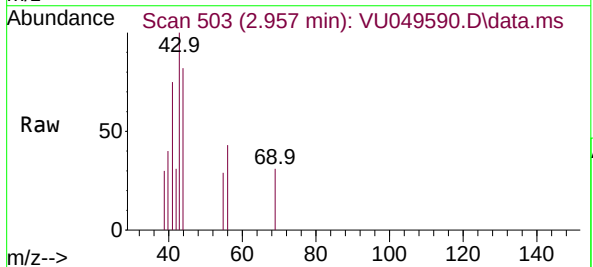
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-70

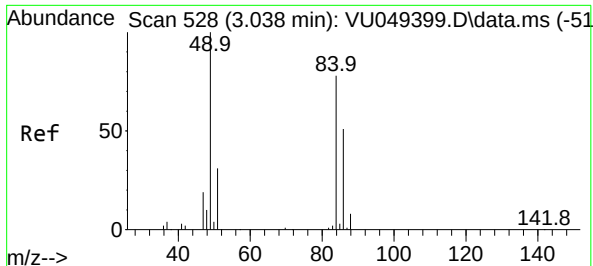
Tgt Ion: 43 Resp: 4435
Ion Ratio Lower Upper
43 100
58 37.1 27.5 41.3



#18
Methyl Acetate
Concen: 0.243 ug/l
RT: 2.957 min Scan# 503
Delta R.T. 0.010 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

Tgt Ion: 43 Resp: 1037
Ion Ratio Lower Upper
43 100
74 0.0 22.5 33.7#

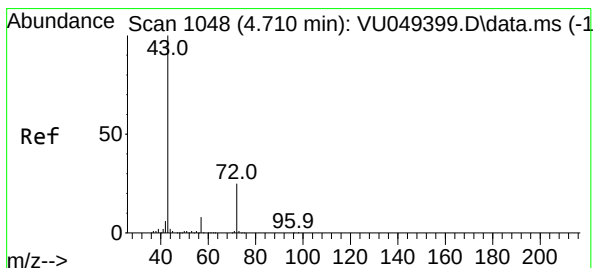
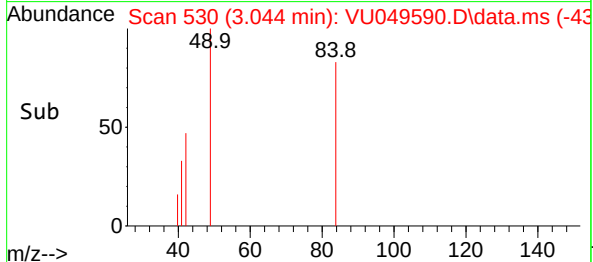
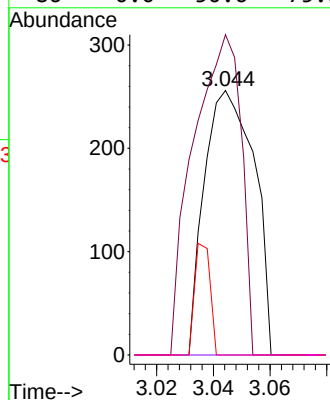
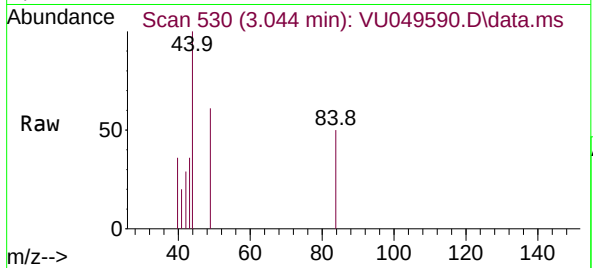




#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 51
Delta R.T. 0.007 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

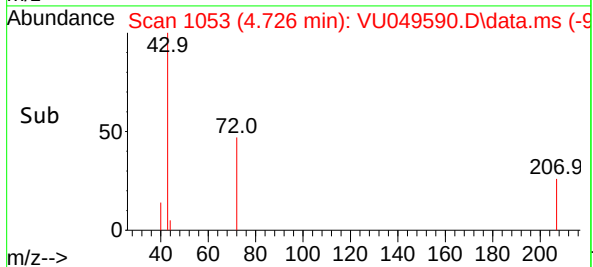
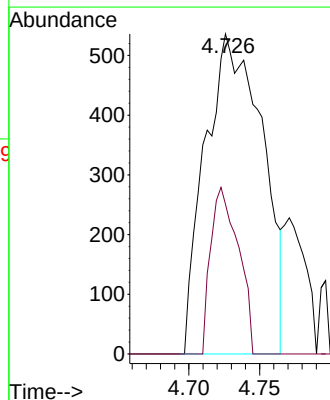
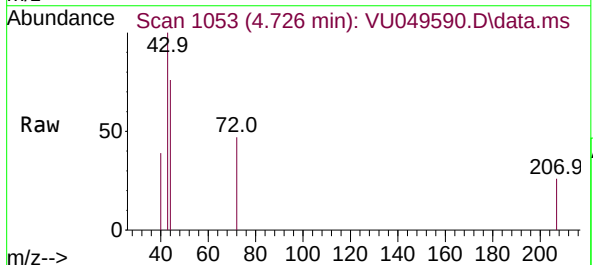
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-70

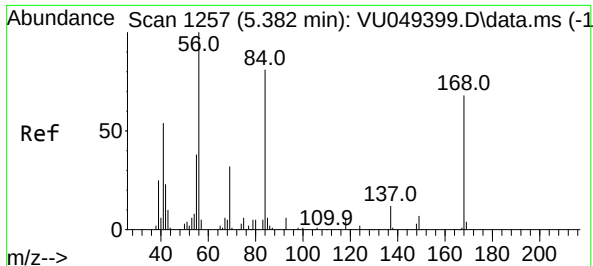
Tgt Ion:	84	Resp:	312
Ion	Ratio	Lower	Upper
84	100		
49	121.1	86.6	129.8
51	0.0	26.6	40.0#
86	0.0	50.6	75.8#



#25
2-Butanone
Concen: 0.635 ug/l
RT: 4.726 min Scan# 1053
Delta R.T. 0.016 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

Tgt Ion:	43	Resp:	1502
Ion	Ratio	Lower	Upper
43	100		
72	46.8	23.8	35.6#

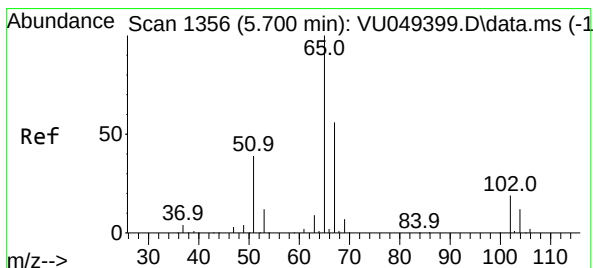
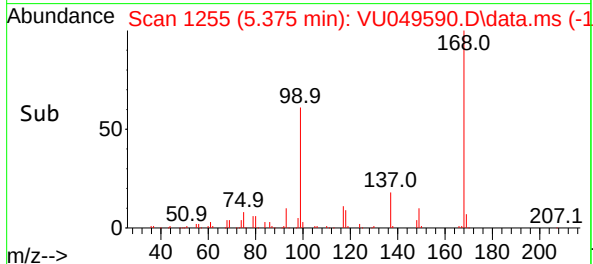
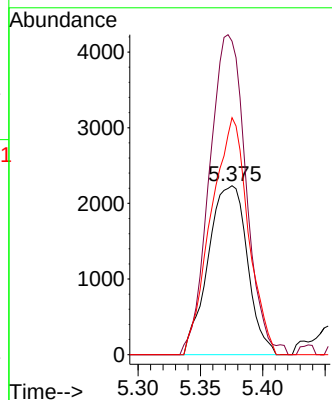
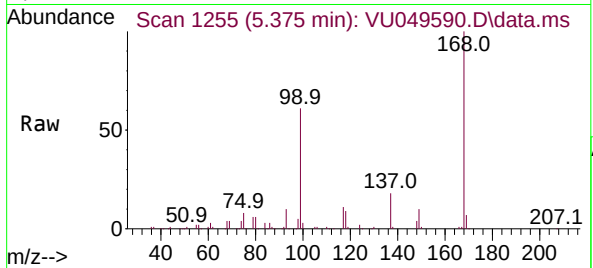




#31
Cyclohexane
Concen: 1.041 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.006 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

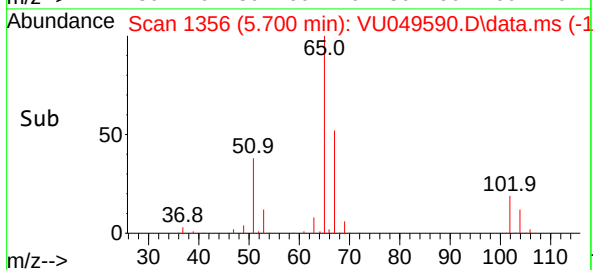
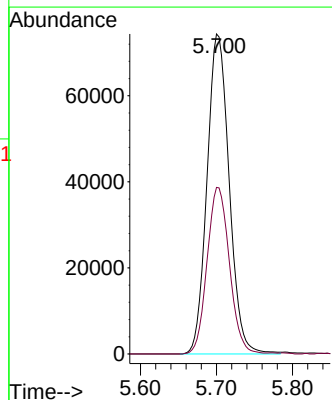
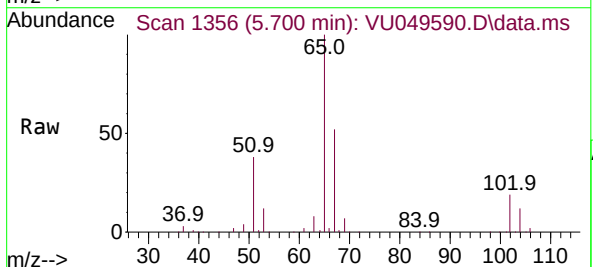
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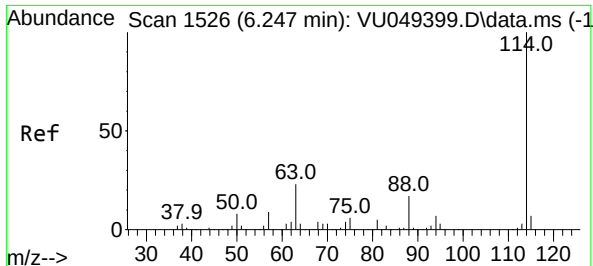
Tgt Ion: 56 Resp: 4891
Ion Ratio Lower Upper
56 100
69 185.6 27.8 41.8#
84 140.3 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 48.162 ug/l
RT: 5.700 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

Tgt Ion: 65 Resp: 150728
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU049590.D

Acq: 01 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

152140-SPC-09-70

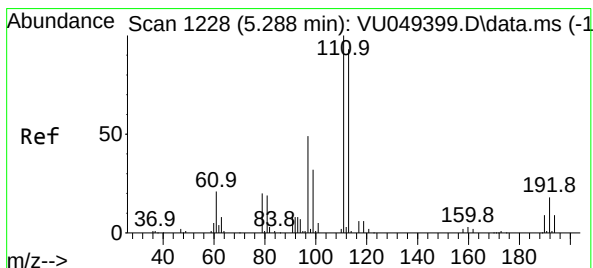
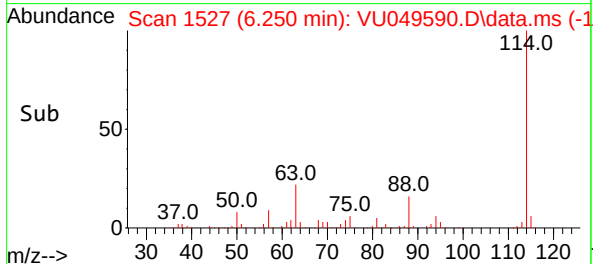
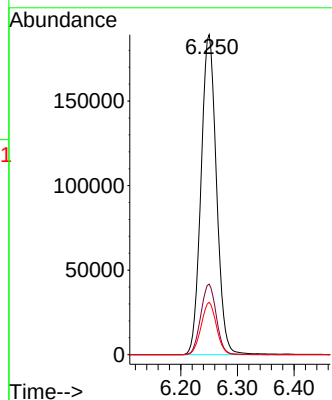
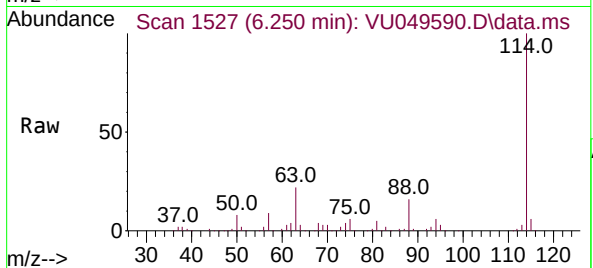
Tgt Ion:114 Resp: 358632

Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.8

88 16.3 0.0 29.2



#35

Dibromofluoromethane

Concen: 46.407 ug/l

RT: 5.289 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049590.D

Acq: 01 Jul 2022 18:30

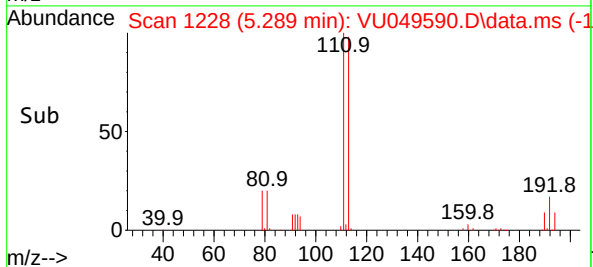
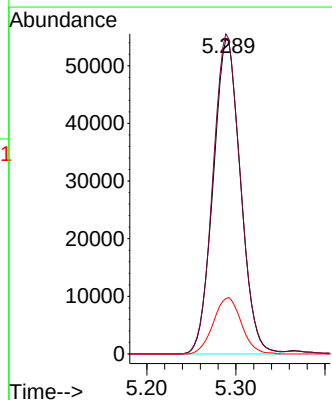
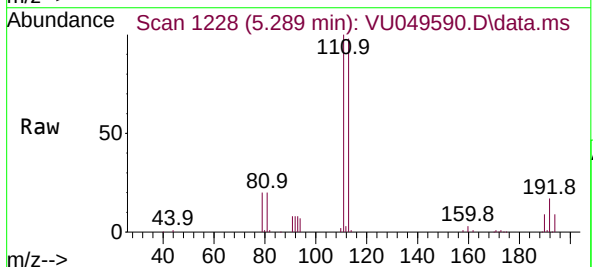
Tgt Ion:113 Resp: 116438

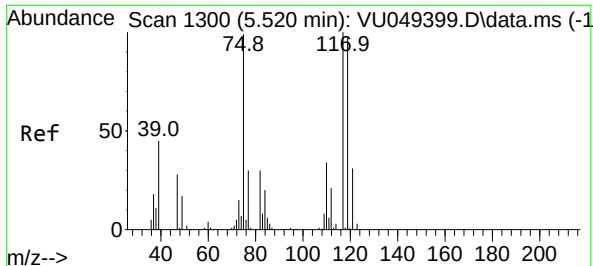
Ion Ratio Lower Upper

113 100

111 101.9 82.1 123.1

192 18.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.629 ug/l

RT: 5.372 min Scan# 1

Delta R.T. -0.148 min

Lab File: VU049590.D

Acq: 01 Jul 2022 18:30

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152140-SPC-09-70

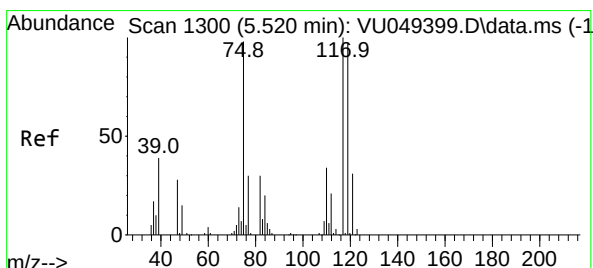
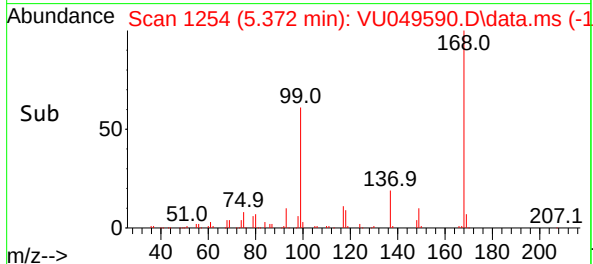
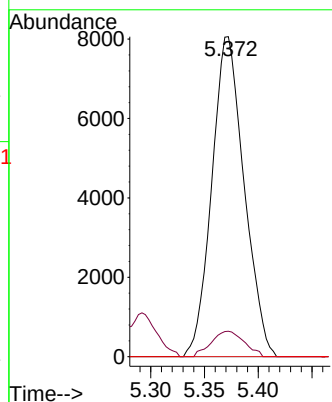
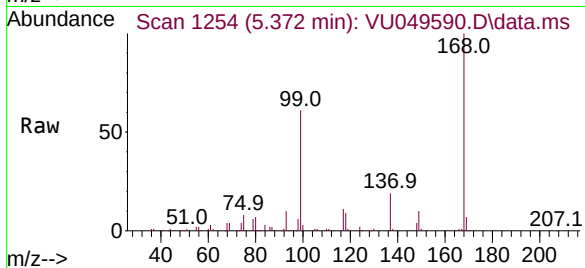
Tgt Ion: 75 Resp: 16842

Ion Ratio Lower Upper

75 100

110 8.1 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.663 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049590.D

Acq: 01 Jul 2022 18:30

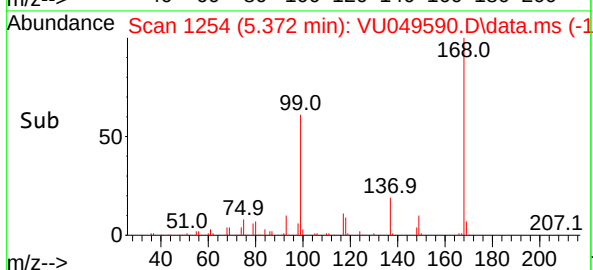
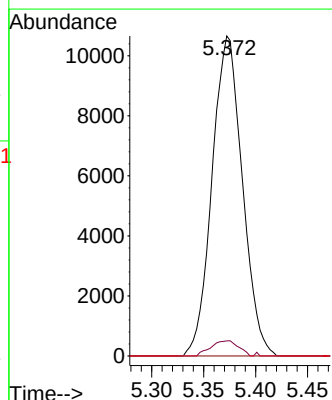
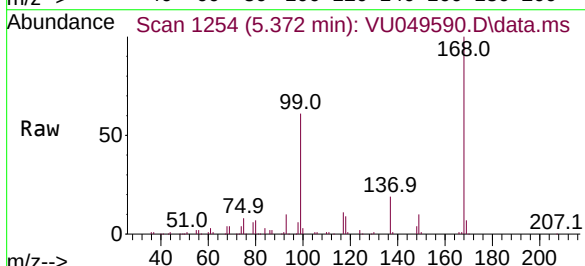
Tgt Ion: 117 Resp: 21608

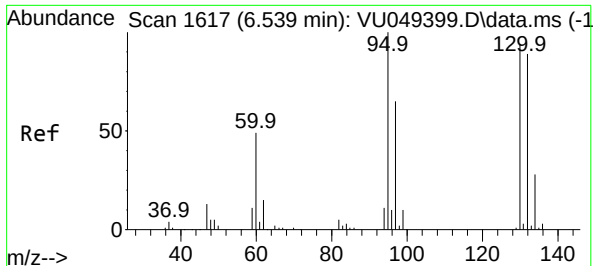
Ion Ratio Lower Upper

117 100

119 4.7 76.8 115.2#

121 0.0 24.7 37.1#





#44

Trichloroethene

Concen: 0.533 ug/l

RT: 6.546 min Scan# 1

Delta R.T. 0.007 min

Lab File: VU049590.D

Acq: 01 Jul 2022 18:30

Instrument :

MSVOA_U

ClientSampleId :

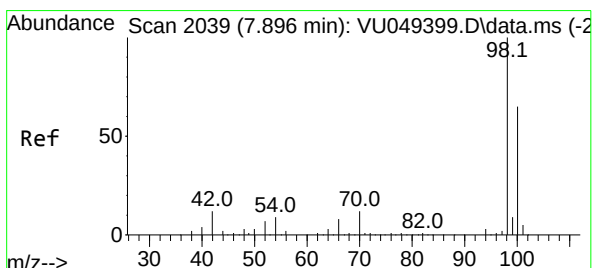
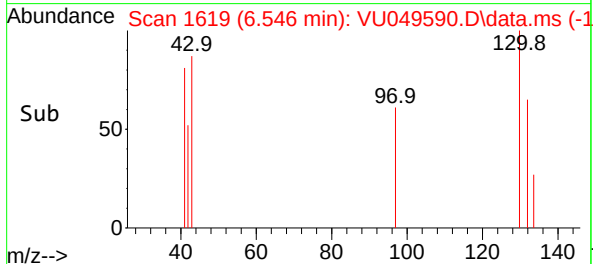
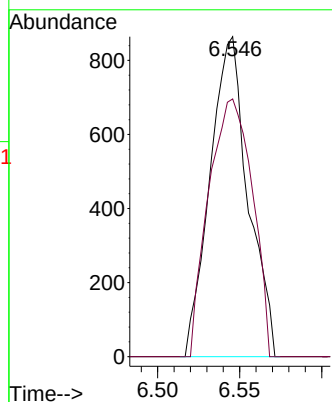
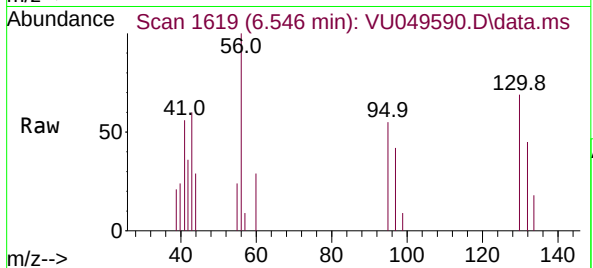
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Tgt Ion:130 Resp: 1393

Ion Ratio Lower Upper

130 100

95 80.6 0.0 184.6



#50

Toluene-d8

Concen: 47.887 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. 0.003 min

Lab File: VU049590.D

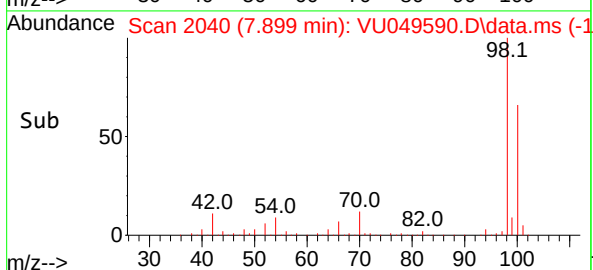
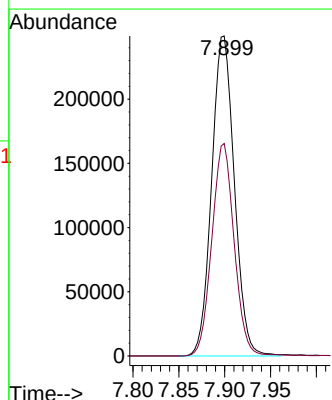
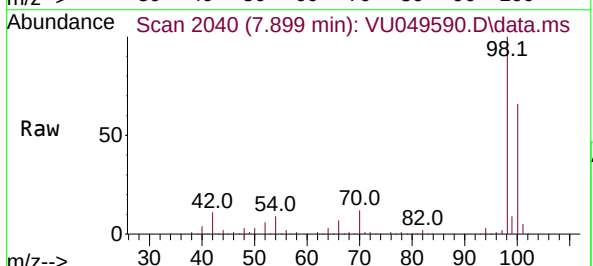
Acq: 01 Jul 2022 18:30

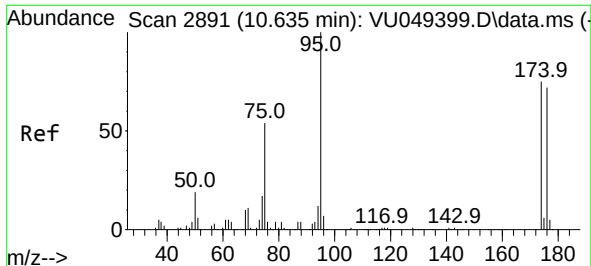
Tgt Ion: 98 Resp: 428549

Ion Ratio Lower Upper

98 100

100 65.4 51.7 77.5

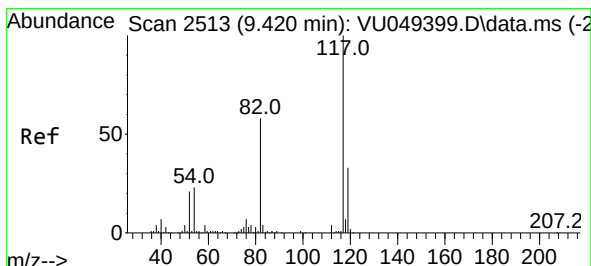
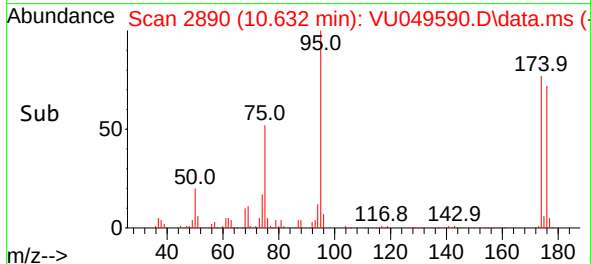
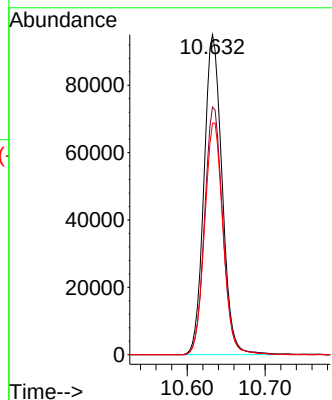
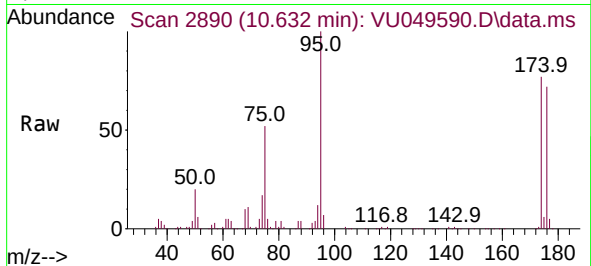




#62
4-Bromofluorobenzene
Concen: 44.751 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

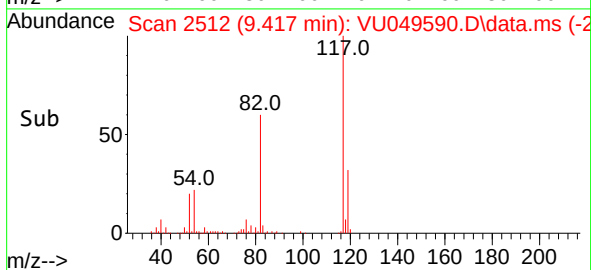
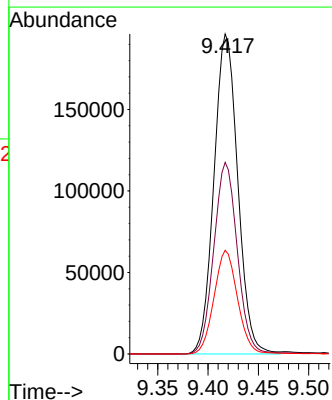
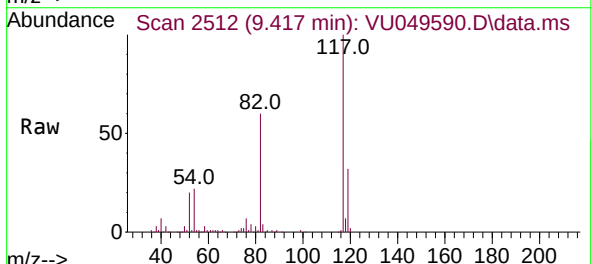
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-70

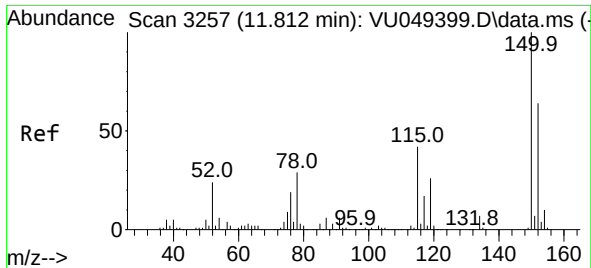
Tgt Ion: 95 Resp: 153415
Ion Ratio Lower Upper
95 100
174 77.8 0.0 182.0
176 73.9 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

Tgt Ion: 117 Resp: 324240
Ion Ratio Lower Upper
117 100
82 59.9 41.7 62.5
119 32.4 25.7 38.5

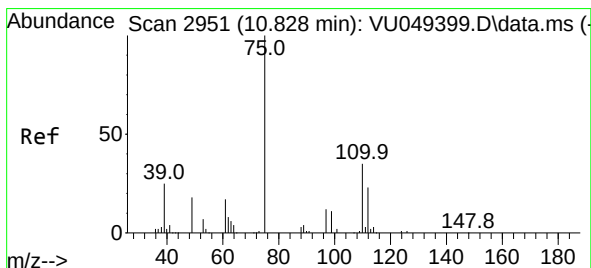
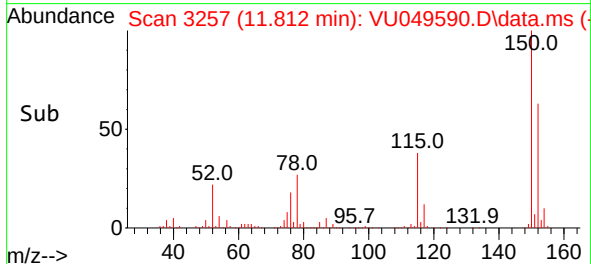
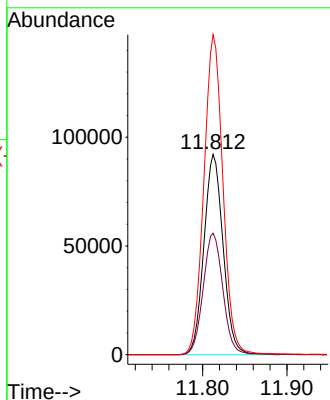
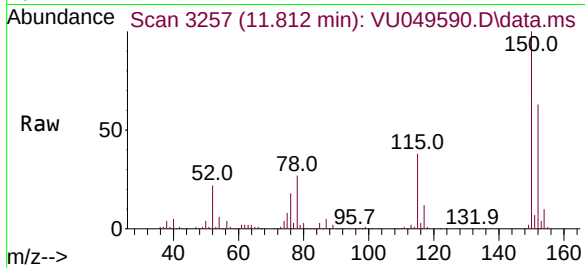




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU049590.D
 Acq: 01 Jul 2022 18:30

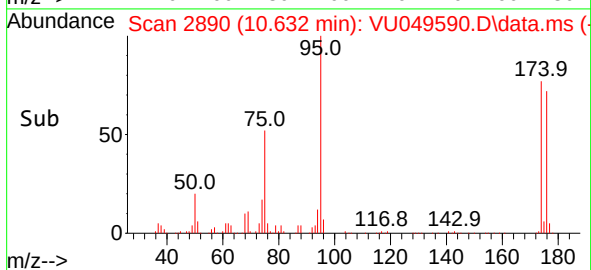
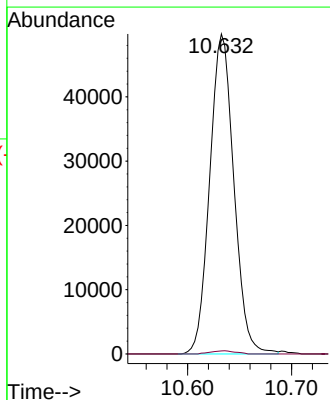
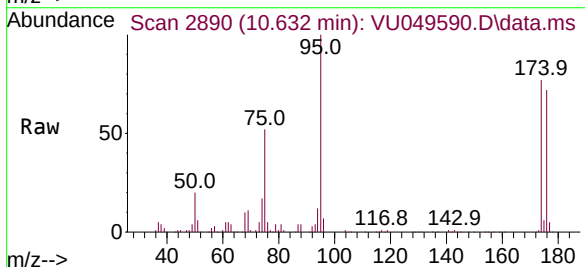
Instrument :
 MSVOA_U
 ClientSampleId :
 152140-SPC-09-70

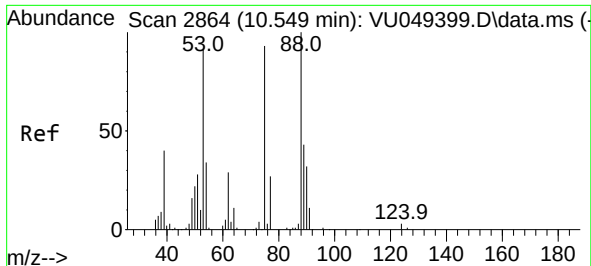
Tgt Ion:152 Resp: 146526
 Ion Ratio Lower Upper
 152 100
 115 61.9 37.0 110.9
 150 158.5 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 16.184 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049590.D
 Acq: 01 Jul 2022 18:30

Tgt Ion: 75 Resp: 80385
 Ion Ratio Lower Upper
 75 100
 77 1.0 15.8 47.3#

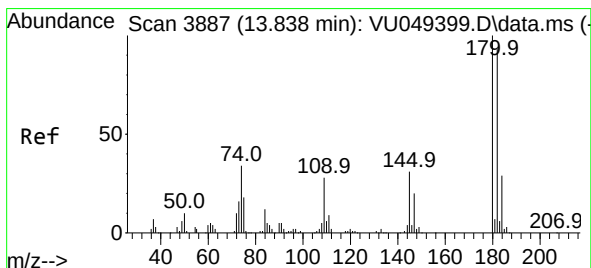
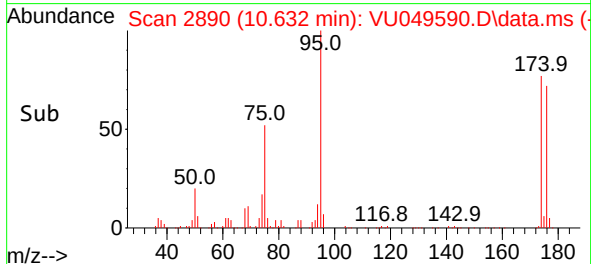
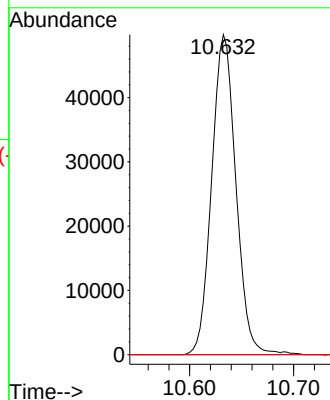
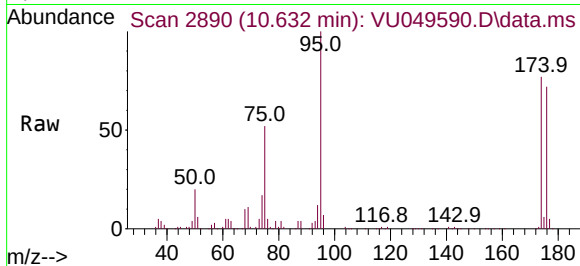




#81
trans-1,4-Dichloro-2-butene
Concen: 59.764 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

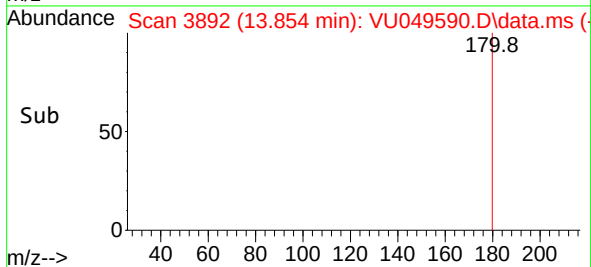
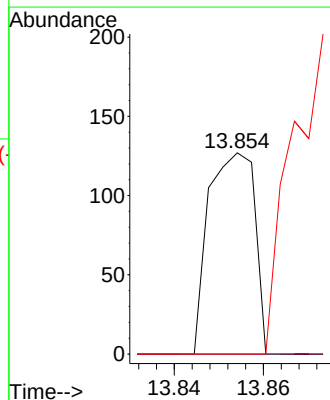
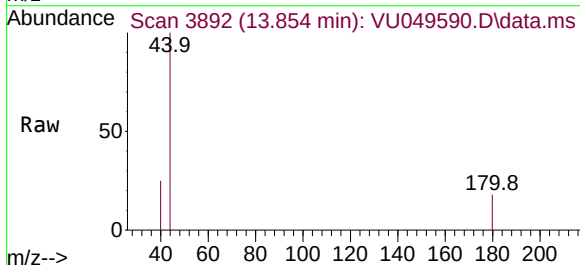
Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-70

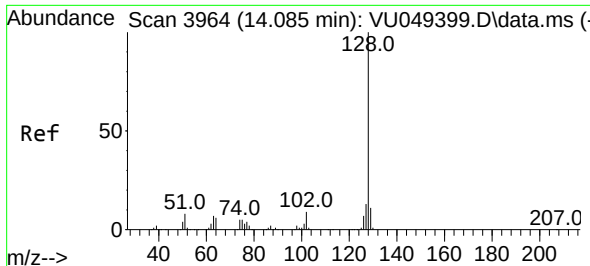
Tgt Ion: 75 Resp: 80385
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.781 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.016 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

Tgt Ion: 180 Resp: 91
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 172.5 14.0 41.9#

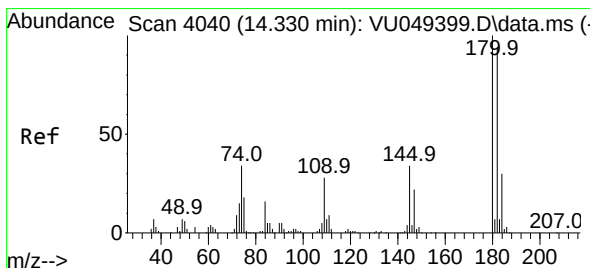
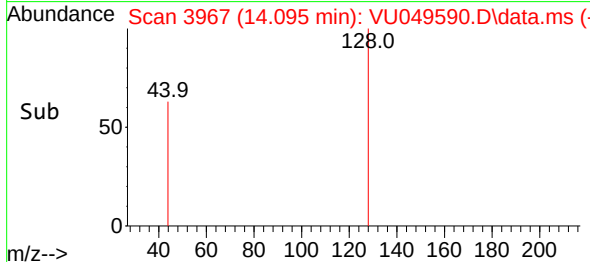
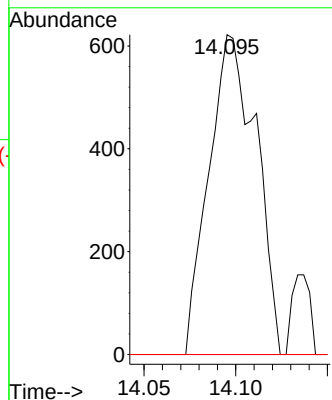
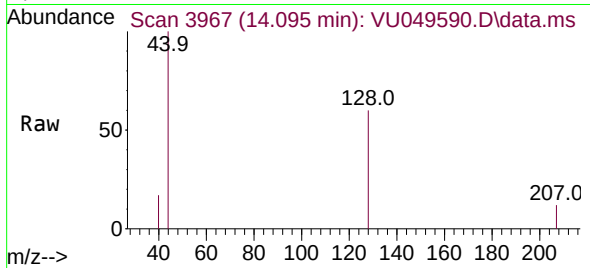




#95
Naphthalene
Concen: 1.830 ug/l
RT: 14.095 min Scan# 3964
Delta R.T. 0.010 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

Instrument :
MSVOA_U
ClientSampleId :
152140-SPC-09-70

Tgt Ion:128 Resp: 1115
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.188 ug/l
RT: 14.343 min Scan# 4044
Delta R.T. 0.013 min
Lab File: VU049590.D
Acq: 01 Jul 2022 18:30

Tgt Ion:180 Resp: 39
Ion Ratio Lower Upper
180 100
182 0.0 48.4 145.0#
145 433.3 14.8 44.4#

