

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049509.D
 Acq On : 29 Jun 2022 13:50
 Operator : SY/MD
 Sample : N3458-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 30 00:48:32 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)

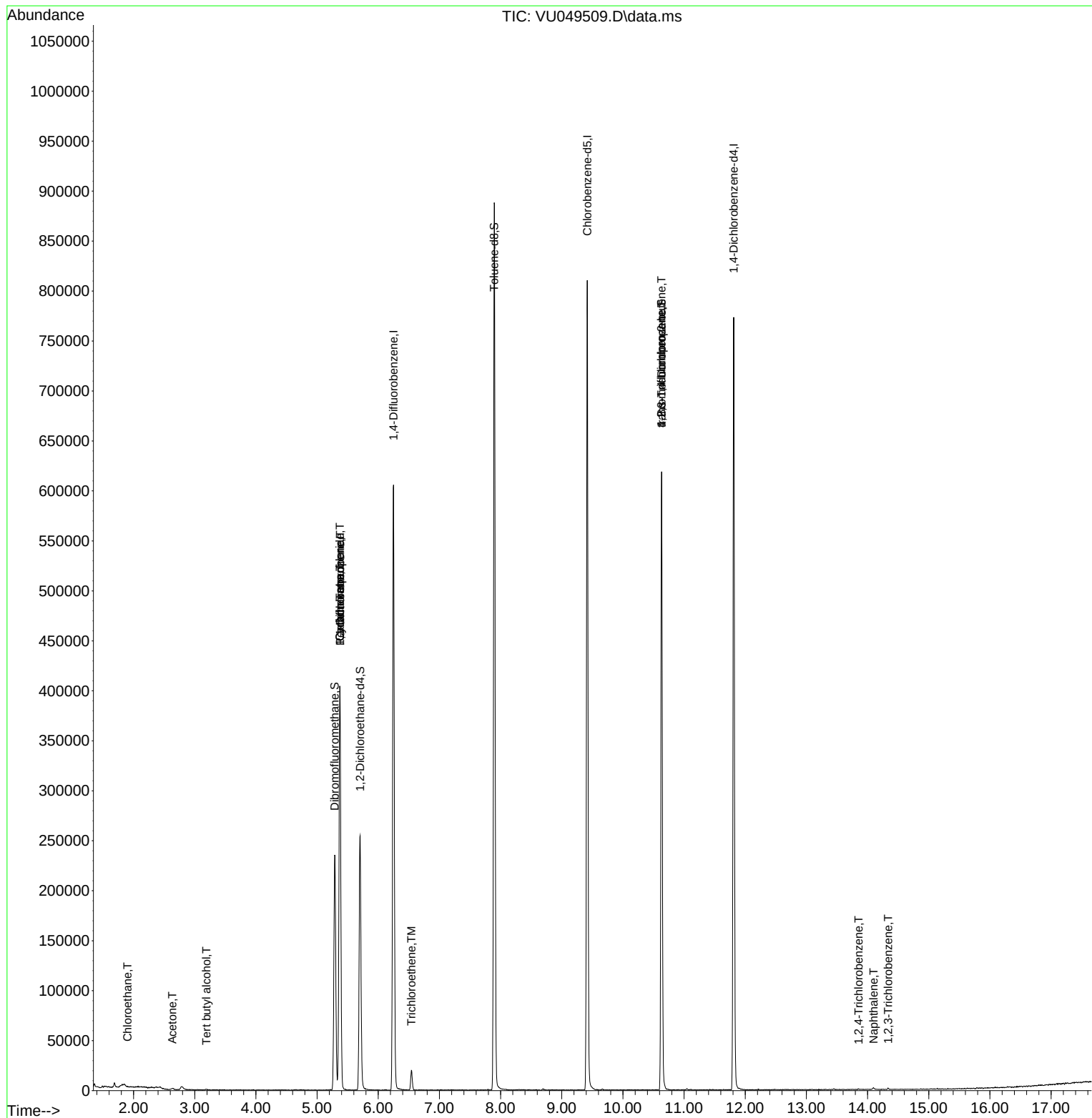
Internal Standards						
1) Pentafluorobenzene	5.375	168	279695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	489411	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	446285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	203884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	191333	44.419	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.840%		
35) Dibromofluoromethane	5.288	113	154228	45.043	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.080%		
50) Toluene-d8	7.896	98	589100	48.237	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.480%		
62) 4-Bromofluorobenzene	10.632	95	212809	45.489	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.980%		
Target Compounds			Qvalue			
3) Chloromethane	1.520	50	906	Below Cal	#	81
6) Chloroethane	1.903	64	40	1.934	ug/l #	44
11) Tert butyl alcohol	3.189	59	456	0.452	ug/l #	37
16) Acetone	2.636	43	1953	0.899	ug/l #	81
20) Methylene Chloride	3.051	84	216	Below Cal	#	60
31) Cyclohexane	5.372	56	5797	0.896	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	22620	4.556	ug/l #	48
38) Carbon Tetrachloride	5.372	117	28618	5.496	ug/l #	16
44) Trichloroethene	6.542	130	6725	1.887	ug/l	93
76) 1,2,3-Trichloropropane	10.632	75	106782	15.450	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	106782	57.055	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.854	180	364	1.831	ug/l #	88
95) Naphthalene	14.098	128	2553	1.890	ug/l #	88
96) 1,2,3-Trichlorobenzene	14.336	180	466	1.274	ug/l #	89

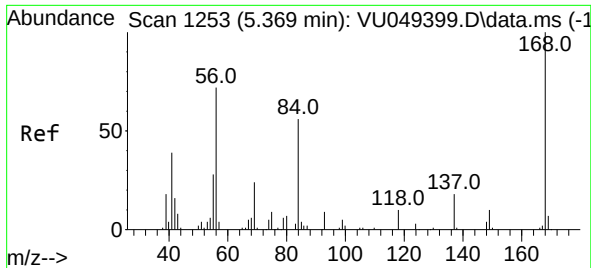
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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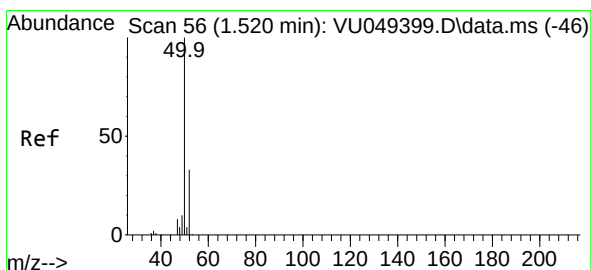
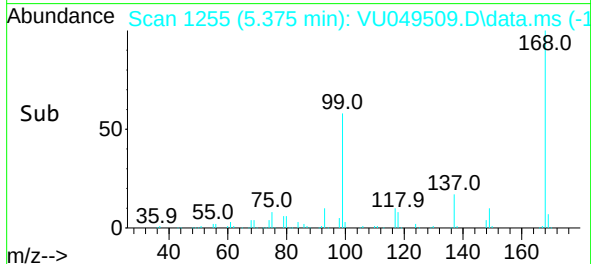
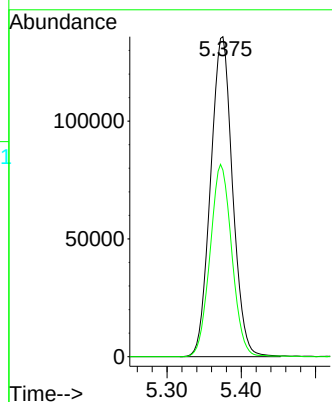
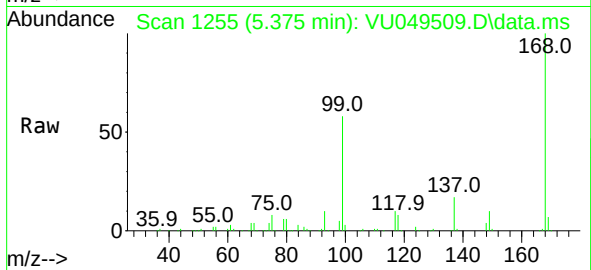




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

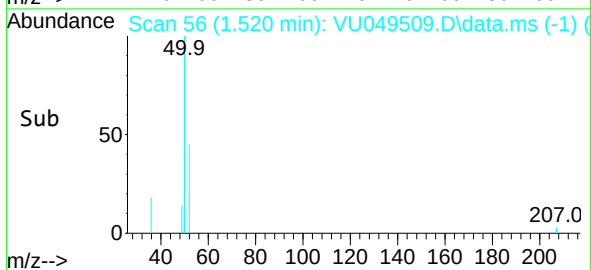
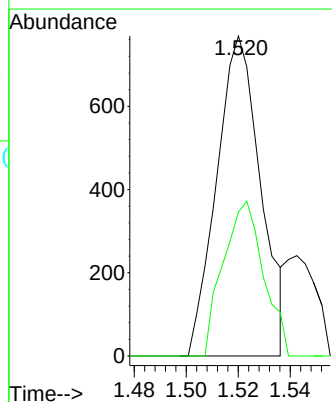
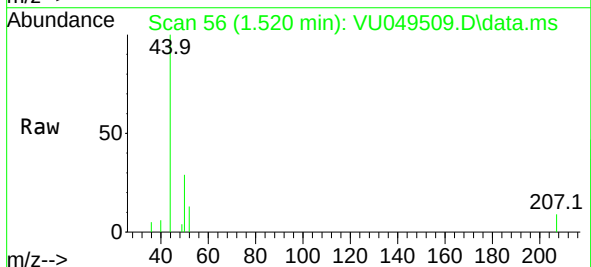
Instrument :
MSVOA_U
ClientSampleId :

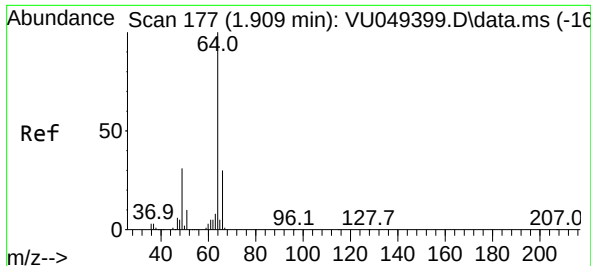
Tgt Ion:168 Resp: 279695
Ion Ratio Lower Upper
168 100
99 58.3 39.3 58.9



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

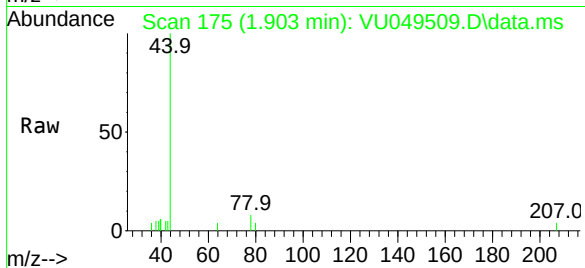
Tgt Ion: 50 Resp: 906
Ion Ratio Lower Upper
50 100
52 45.0 27.4 41.2#



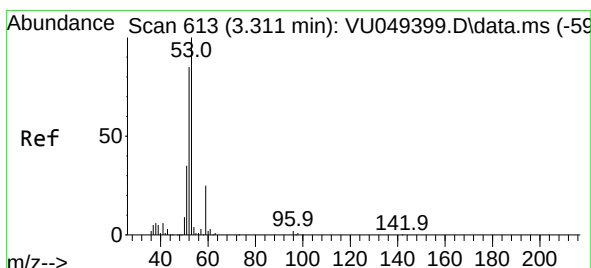
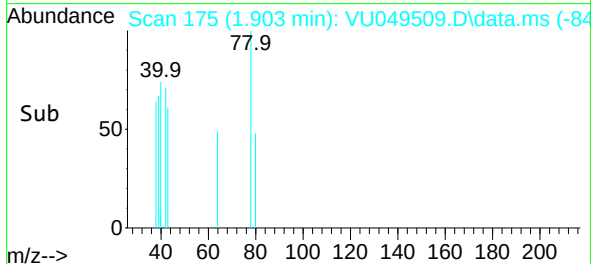
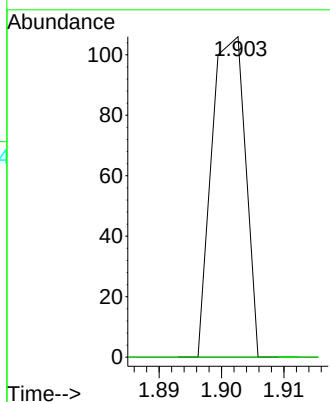


#6
Chloroethane
Concen: 1.934 ug/l
RT: 1.903 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

Instrument :
MSVOA_U
ClientSampleId :

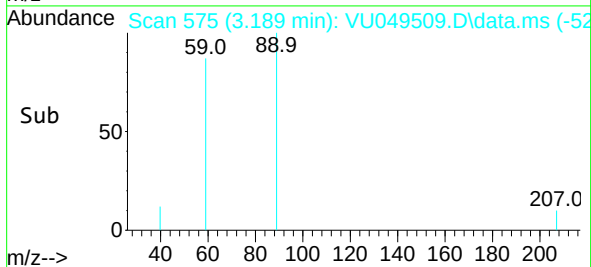
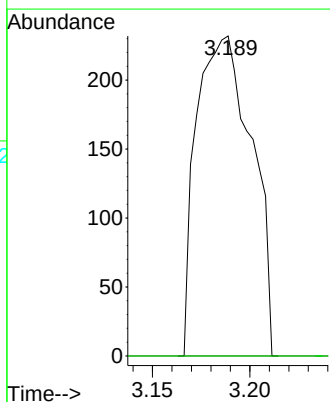
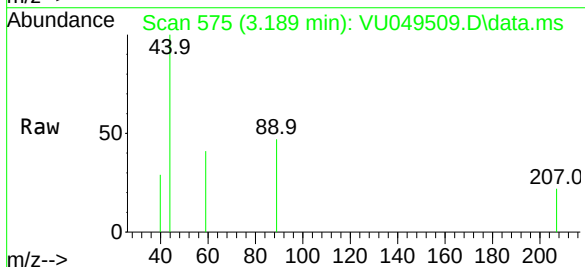


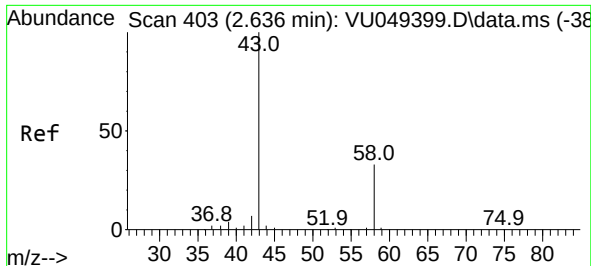
Tgt Ion: 64 Resp: 40
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.452 ug/l
RT: 3.189 min Scan# 575
Delta R.T. -0.122 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

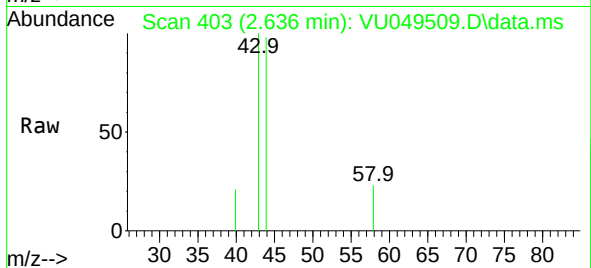
Tgt Ion: 59 Resp: 456
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#



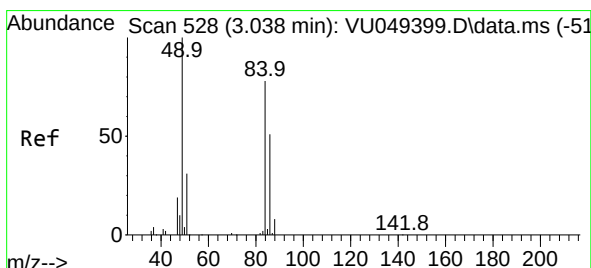
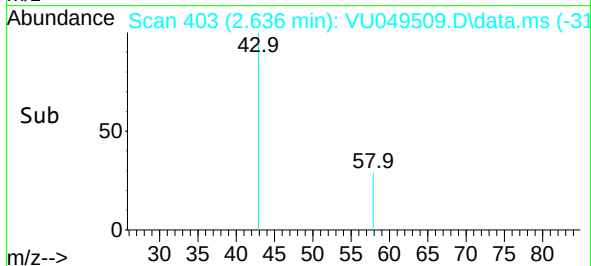
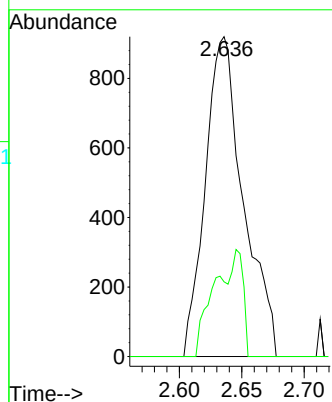


#16
Acetone
Concen: 0.899 ug/l
RT: 2.636 min Scan# 403
Delta R.T. -0.000 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

Instrument :
MSVOA_U
ClientSampleId :

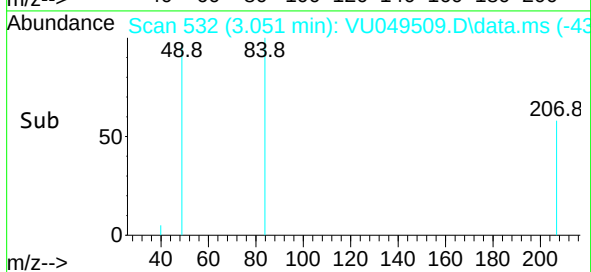
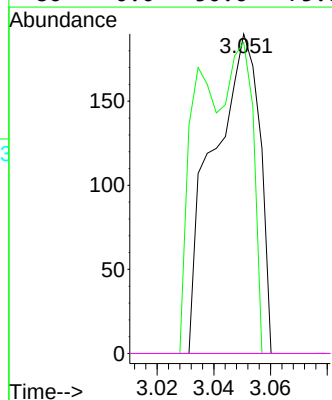
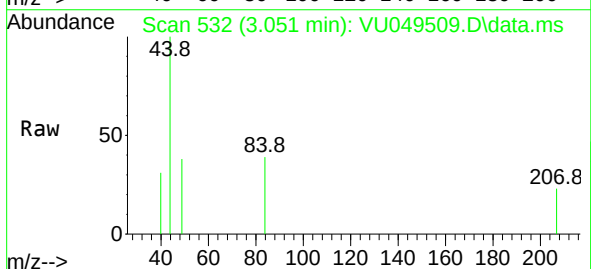


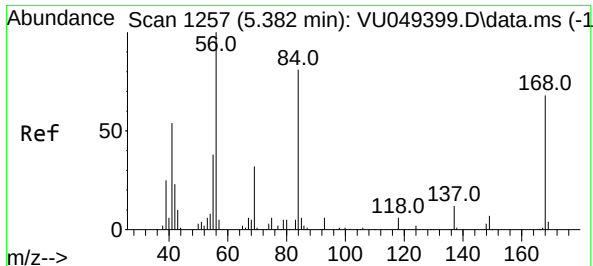
Tgt Ion: 43 Resp: 1953
Ion Ratio Lower Upper
43 100
58 23.4 27.5 41.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.051 min Scan# 532
Delta R.T. 0.013 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

Tgt Ion: 84 Resp: 216
Ion Ratio Lower Upper
84 100
49 97.4 86.6 129.8
51 0.0 26.6 40.0#
86 0.0 50.6 75.8#





#31

Cyclohexane

Concen: 0.896 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.010 min

Lab File: VU049509.D

Acq: 29 Jun 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

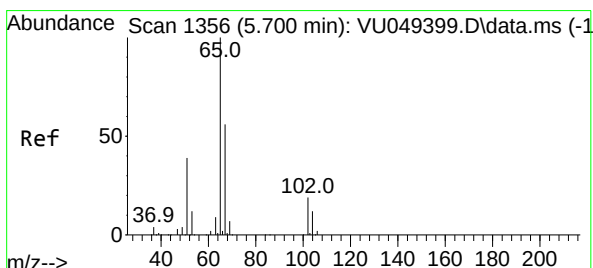
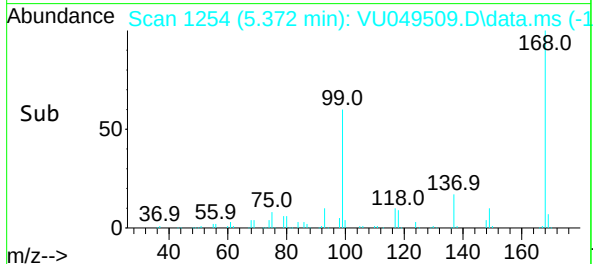
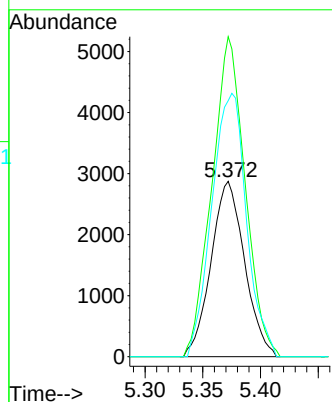
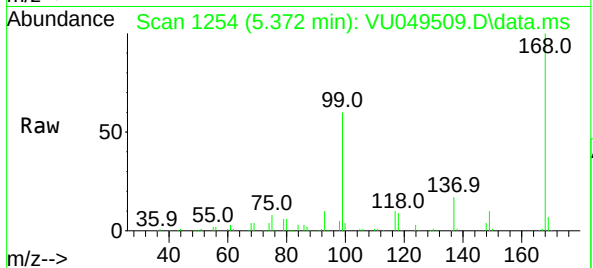
Tgt Ion: 56 Resp: 5797

Ion Ratio Lower Upper

56 100

69 182.5 27.8 41.8#

84 146.0 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 44.419 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU049509.D

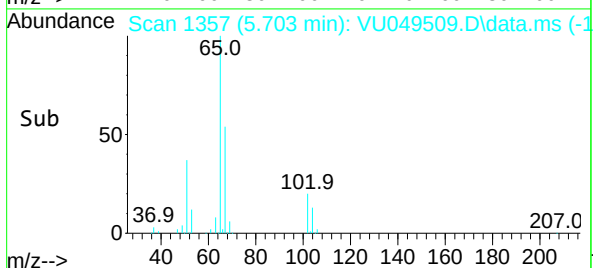
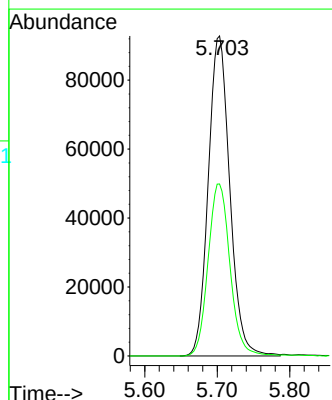
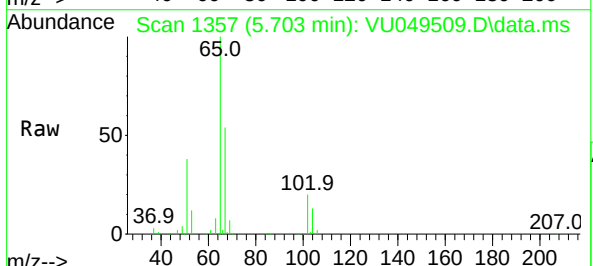
Acq: 29 Jun 2022 13:50

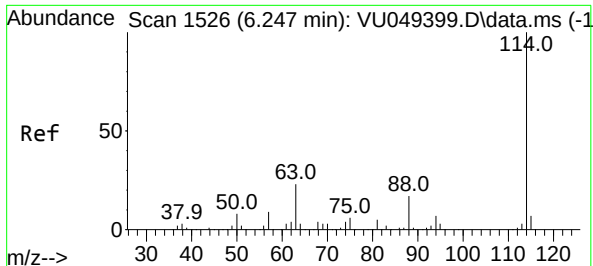
Tgt Ion: 65 Resp: 191333

Ion Ratio Lower Upper

65 100

67 54.7 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: VU049509.D

Acq: 29 Jun 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :

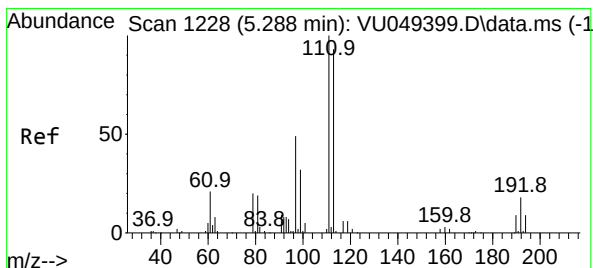
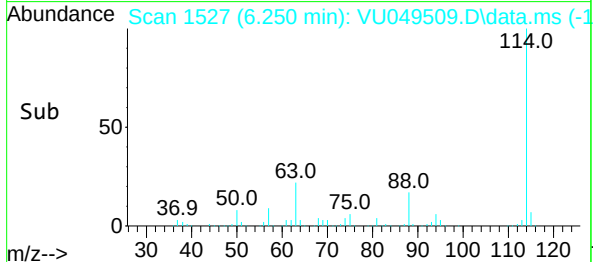
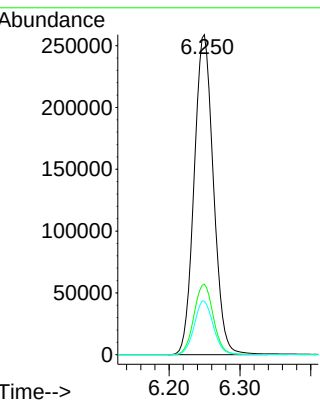
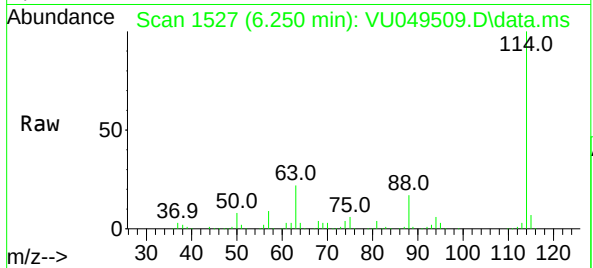
Tgt Ion:114 Resp: 489411

Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.8

88 16.8 0.0 29.2



#35

Dibromofluoromethane

Concen: 45.043 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VU049509.D

Acq: 29 Jun 2022 13:50

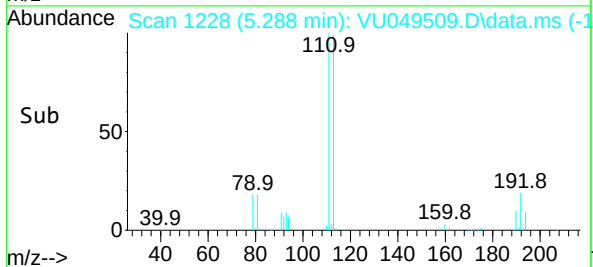
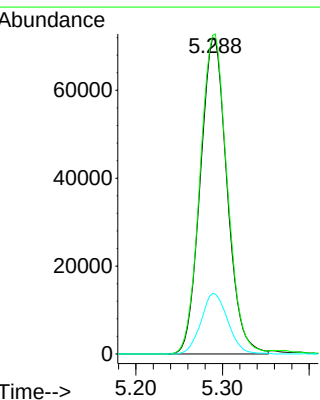
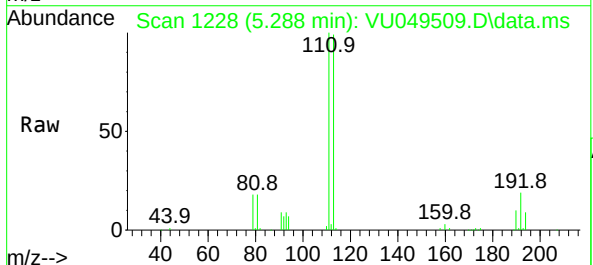
Tgt Ion:113 Resp: 154228

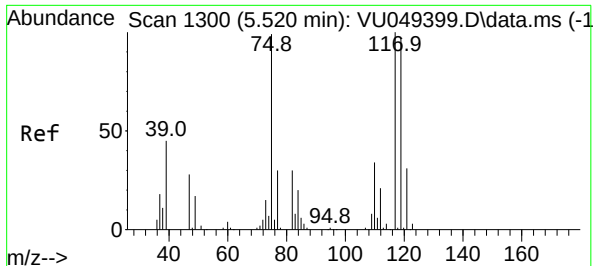
Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

192 19.2 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.556 ug/l

RT: 5.375 min Scan# 1

Delta R.T. -0.145 min

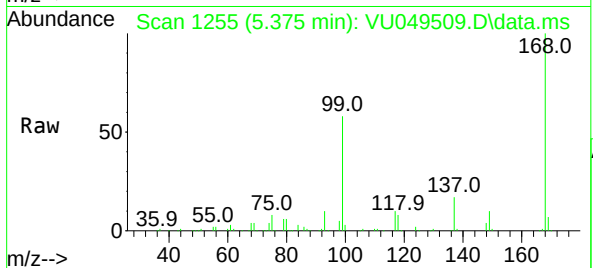
Lab File: VU049509.D

Acq: 29 Jun 2022 13:50

Instrument :

MSVOA_U

ClientSampleId :



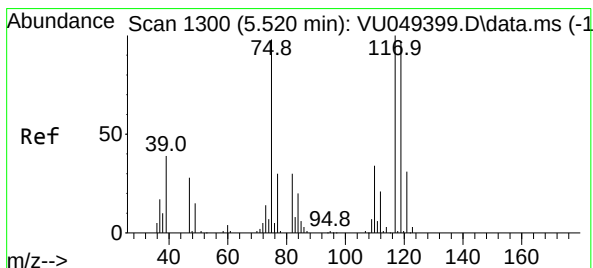
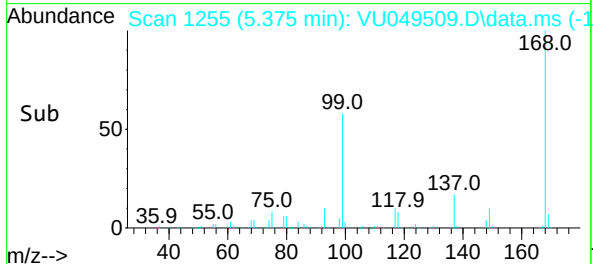
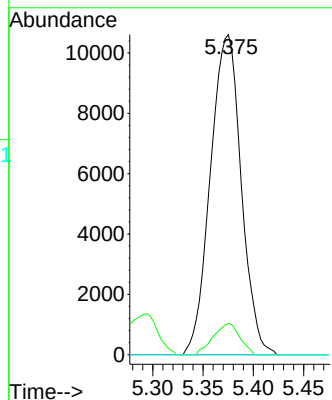
Tgt Ion: 75 Resp: 22620

Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.496 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049509.D

Acq: 29 Jun 2022 13:50

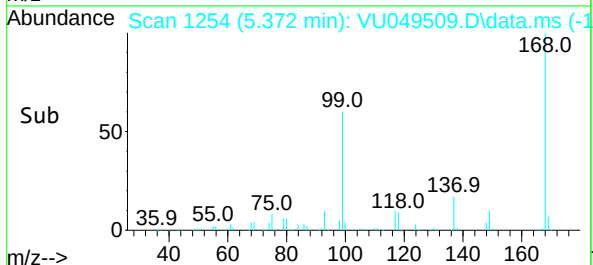
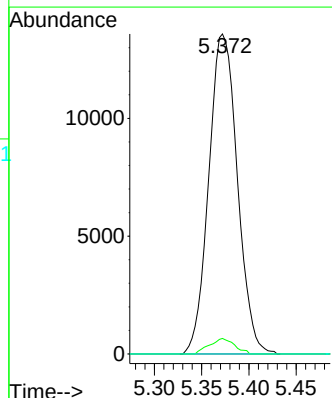
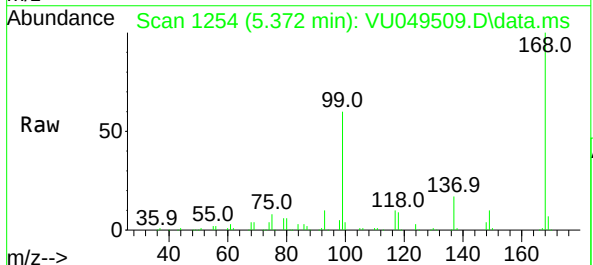
Tgt Ion: 117 Resp: 28618

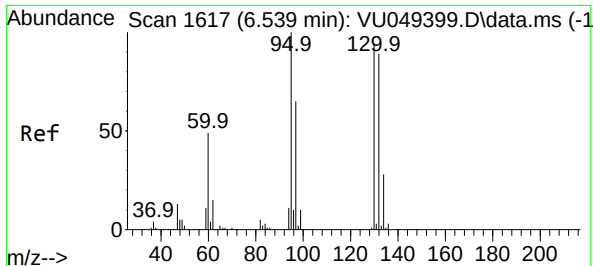
Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

121 0.0 24.7 37.1#

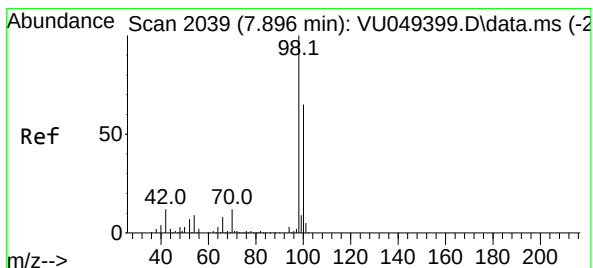
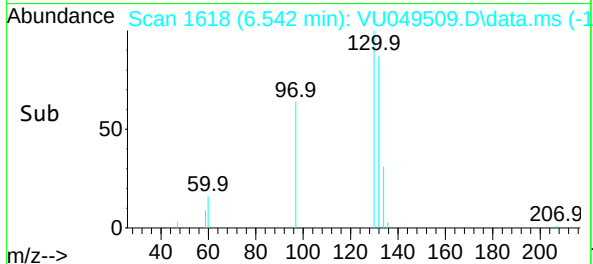
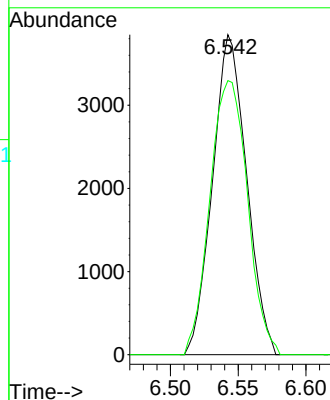
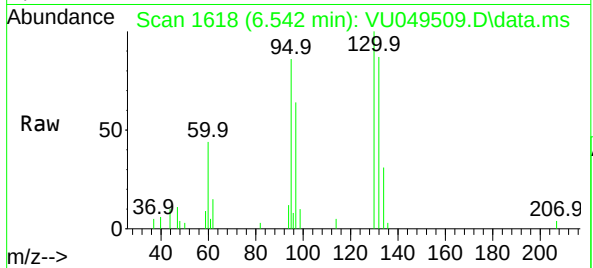




#44
Trichloroethene
Concen: 1.887 ug/l
RT: 6.542 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

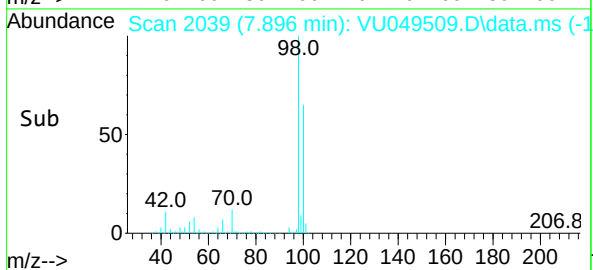
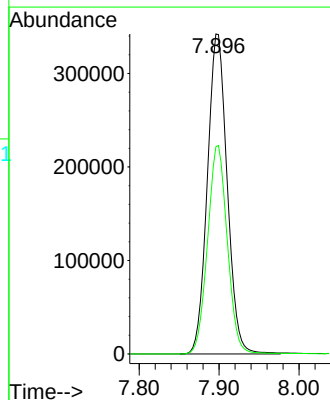
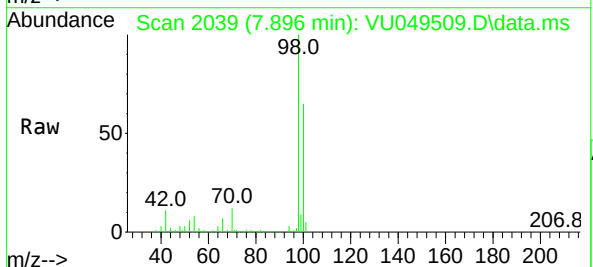
Instrument :
MSVOA_U
ClientSampleId :

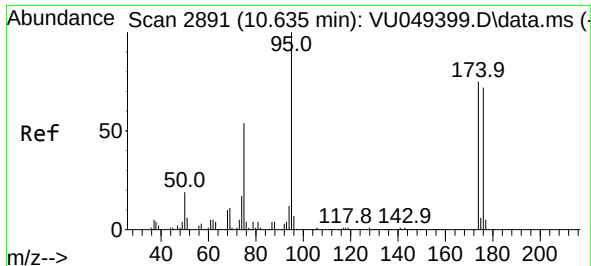
Tgt Ion:130 Resp: 6725
Ion Ratio Lower Upper
130 100
95 85.6 0.0 184.6



#50
Toluene-d8
Concen: 48.237 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

Tgt Ion: 98 Resp: 589100
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5

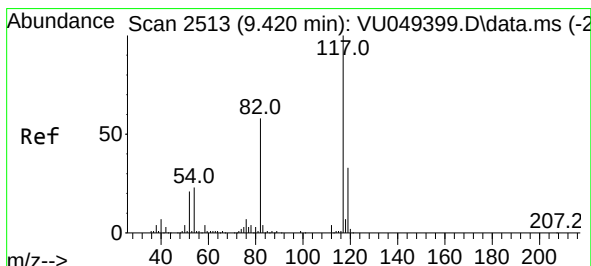
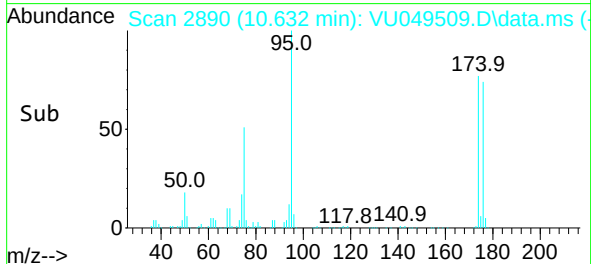
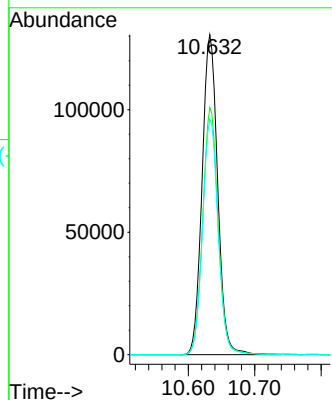
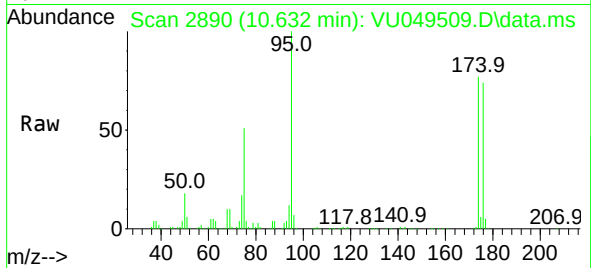




#62
4-Bromofluorobenzene
Concen: 45.489 ug/l
RT: 10.632 min Scan# 212809
Delta R.T. -0.003 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

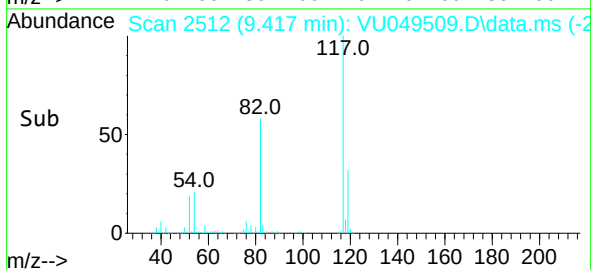
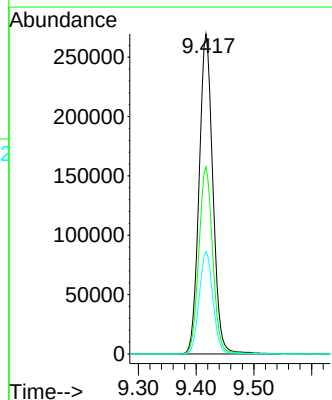
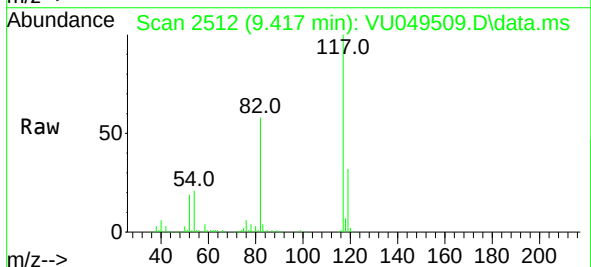
Instrument :
MSVOA_U
ClientSampleId :

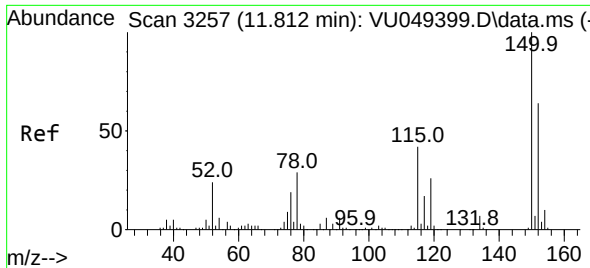
Tgt Ion: 95 Resp: 212809
Ion Ratio Lower Upper
95 100
174 76.7 0.0 182.0
176 73.3 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

Tgt Ion: 117 Resp: 446285
Ion Ratio Lower Upper
117 100
82 58.5 41.7 62.5
119 32.0 25.7 38.5

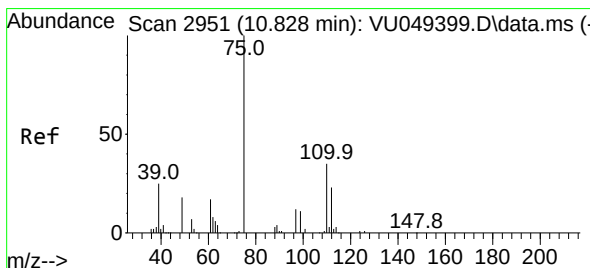
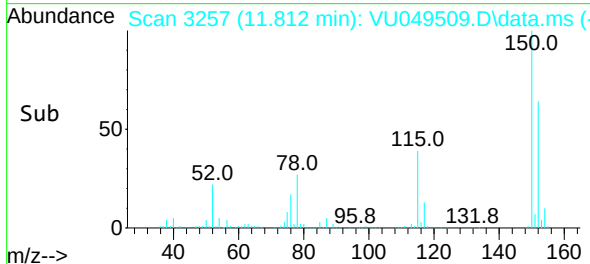
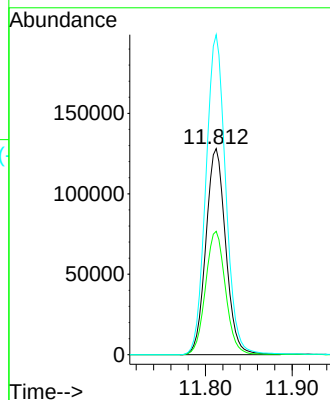
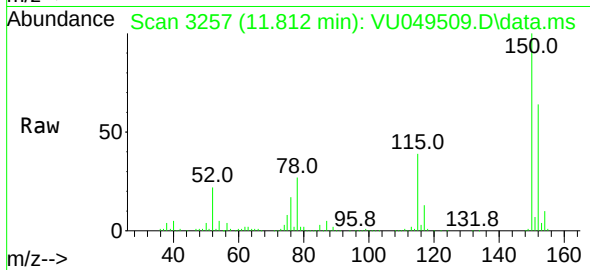




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU049509.D
 Acq: 29 Jun 2022 13:50

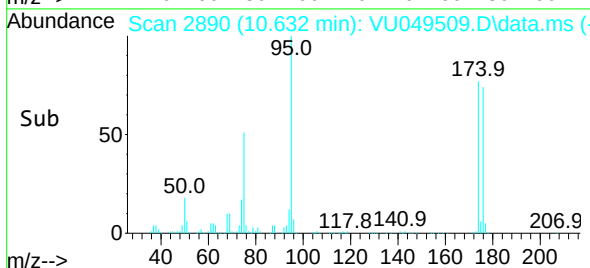
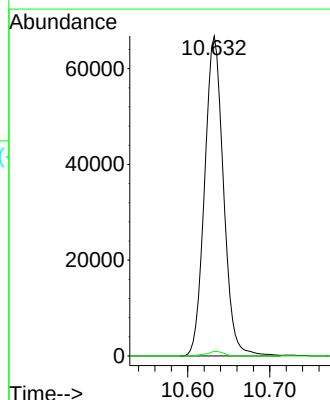
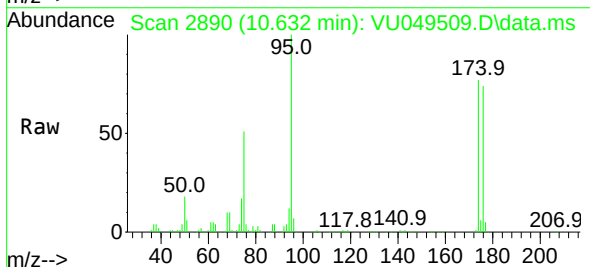
Instrument :
 MSVOA_U
 ClientSampleId :

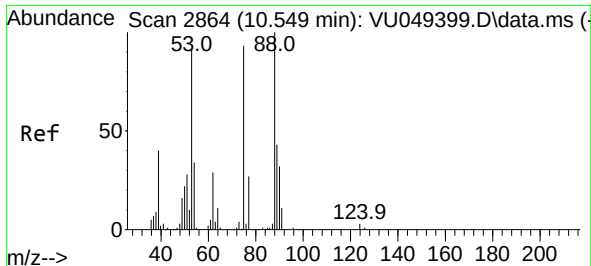
Tgt Ion:152 Resp: 203884
 Ion Ratio Lower Upper
 152 100
 115 60.5 37.0 110.9
 150 155.1 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.450 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049509.D
 Acq: 29 Jun 2022 13:50

Tgt Ion: 75 Resp: 106782
 Ion Ratio Lower Upper
 75 100
 77 1.3 15.8 47.3#

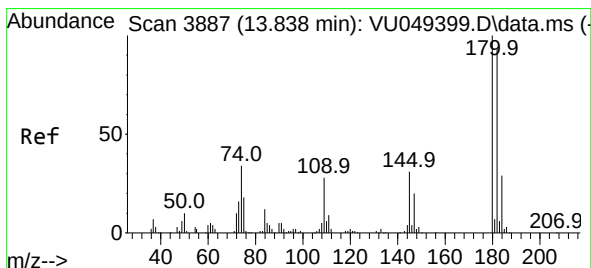
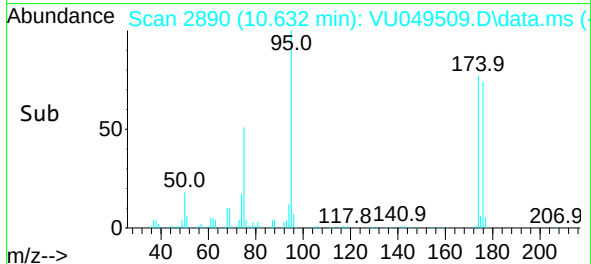
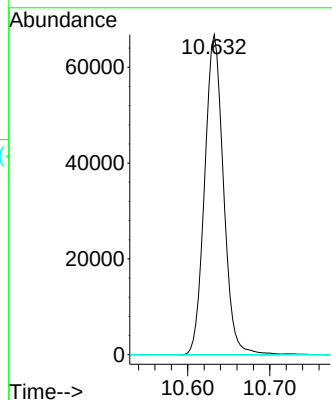
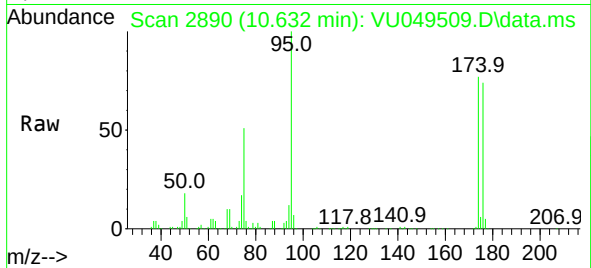




#81
trans-1,4-Dichloro-2-butene
Concen: 57.055 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

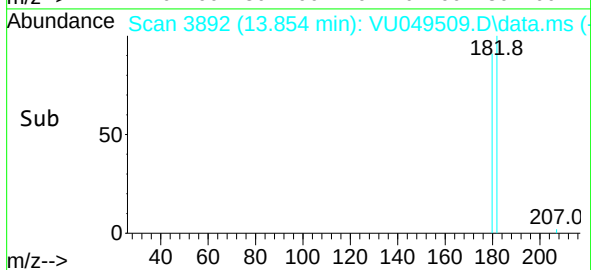
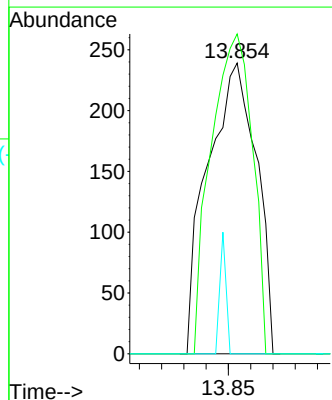
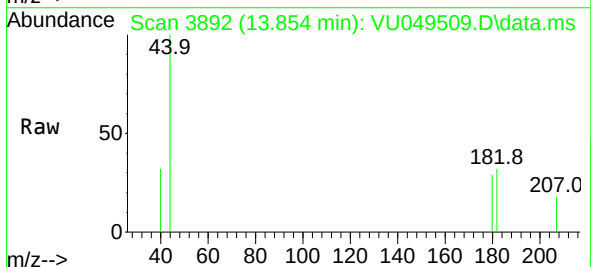
Instrument :
MSVOA_U
ClientSampleId :

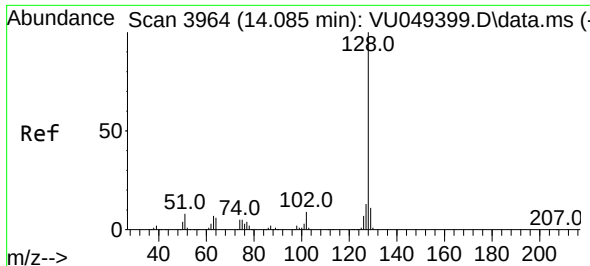
Tgt Ion: 75 Resp: 106782
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.831 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.016 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

Tgt Ion: 180 Resp: 364
Ion Ratio Lower Upper
180 100
182 92.9 47.9 143.6
145 5.2 14.0 41.9#

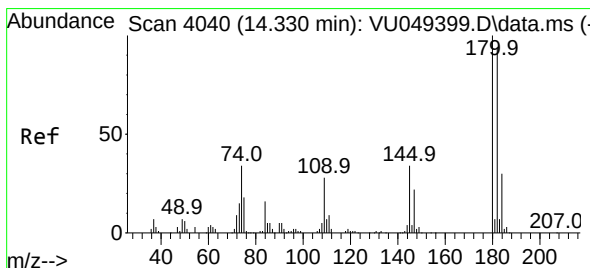
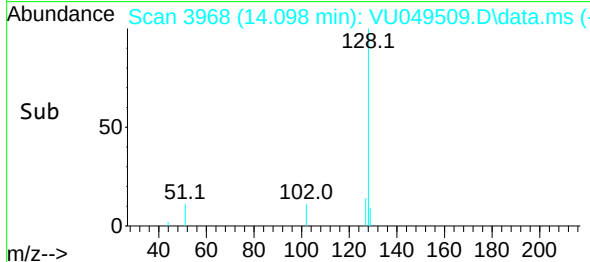
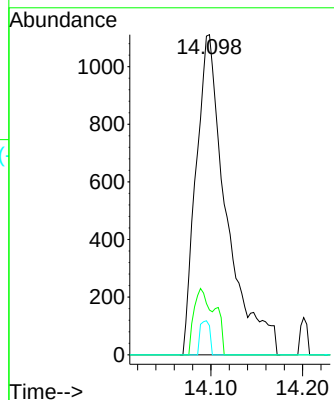
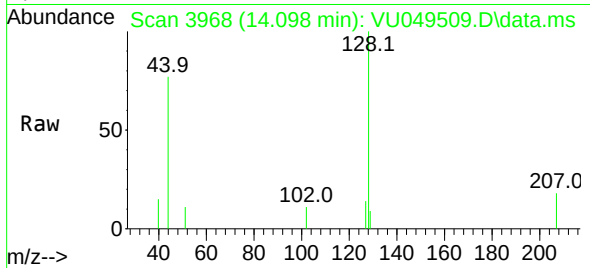




#95
Naphthalene
Concen: 1.890 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.013 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 2553
Ion Ratio Lower Upper
128 100
127 10.6 10.3 15.5
129 3.3 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.274 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.006 min
Lab File: VU049509.D
Acq: 29 Jun 2022 13:50

Tgt Ion:180 Resp: 466
Ion Ratio Lower Upper
180 100
182 93.3 48.4 145.0
145 9.4 14.8 44.4#

