

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062922\
 Data File : VU049542.D
 Acq On : 30 Jun 2022 03:55
 Operator : SY/MD
 Sample : N3517-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 30 04:14:37 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)

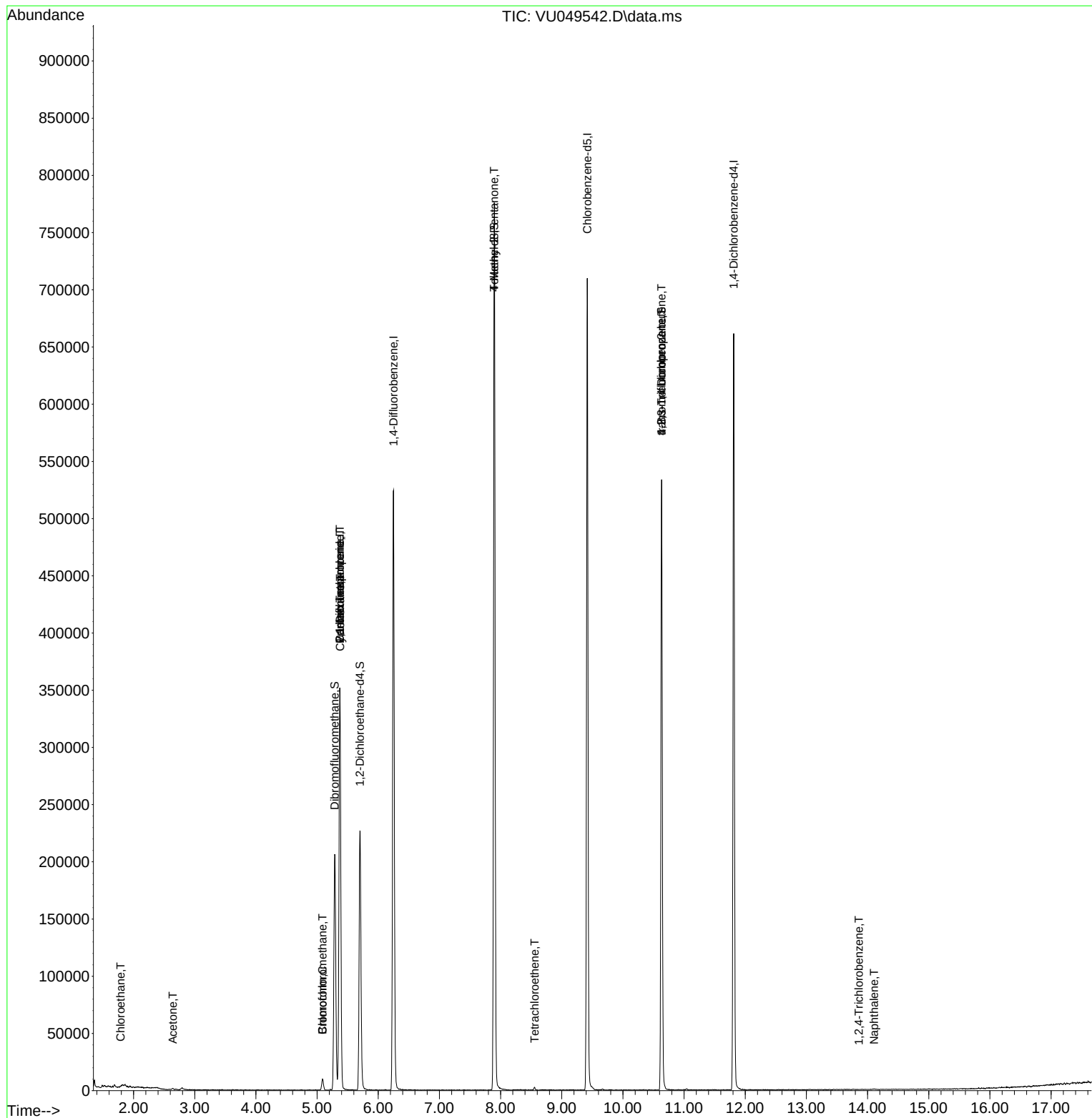
Internal Standards						
1) Pentafluorobenzene	5.372	168	242527	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	428093	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	386892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	174458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	170036	45.524	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.040%
35) Dibromofluoromethane	5.288	113	136883	45.703	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.400%
50) Toluene-d8	7.896	98	512218	47.949	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.900%
62) 4-Bromofluorobenzene	10.632	95	182018	44.480	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.960%
Target Compounds						
						Qvalue
3) Chloromethane	1.517	50	1416	Below Cal		99
6) Chloroethane	1.790	64	67	1.951	ug/l #	44
16) Acetone	2.642	43	1429	0.759	ug/l	92
20) Methylene Chloride	3.041	84	67	Below Cal	#	11
28) Bromochloromethane	5.089	49	598	0.234	ug/l #	4
30) Chloroform	5.089	83	9172	1.588	ug/l	92
31) Cyclohexane	5.375	56	5300	0.945	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	20302	4.675	ug/l #	48
38) Carbon Tetrachloride	5.372	117	24381	5.353	ug/l #	17
51) 4-Methyl-2-Pentanone	7.896	43	2177	0.374	ug/l #	1
64) Tetrachloroethene	8.555	164	684	0.276	ug/l #	75
76) 1,2,3-Trichloropropane	10.632	75	93427	15.798	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	93427	58.339	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.857	180	20	1.759	ug/l #	12
95) Naphthalene	14.108	128	1038	1.809	ug/l #	69

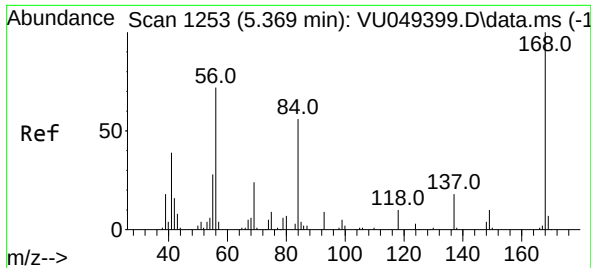
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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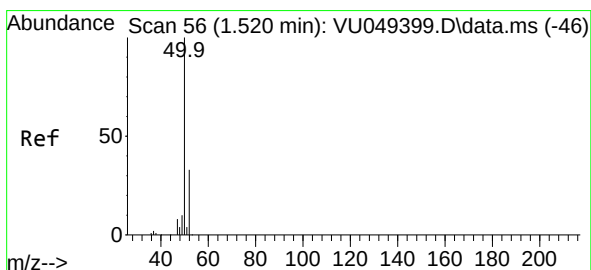
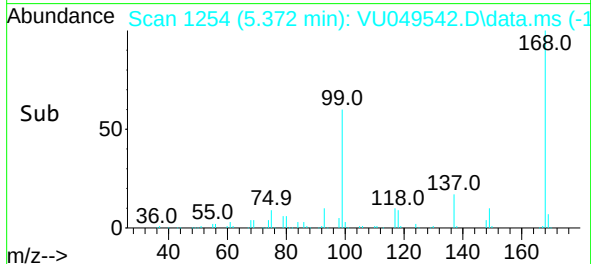
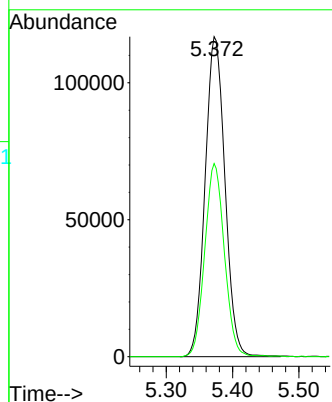
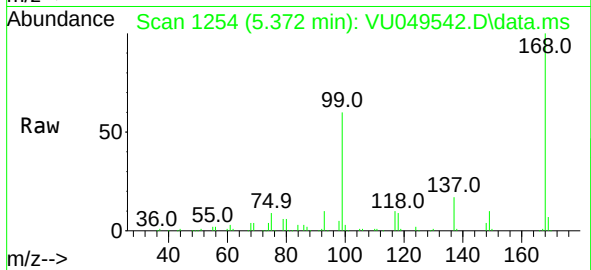




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55

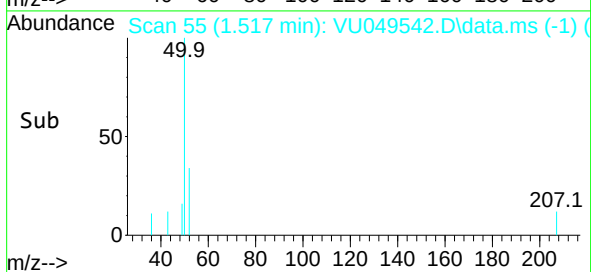
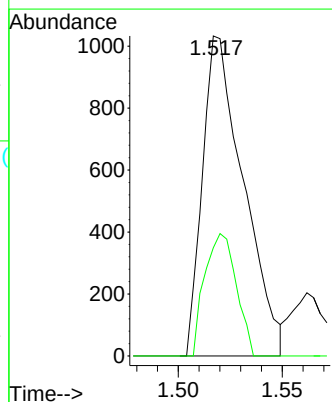
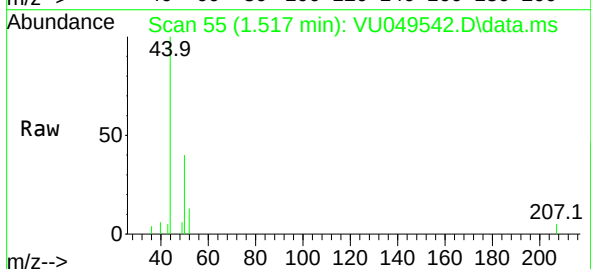
Instrument :
MSVOA_U
ClientSampleId :

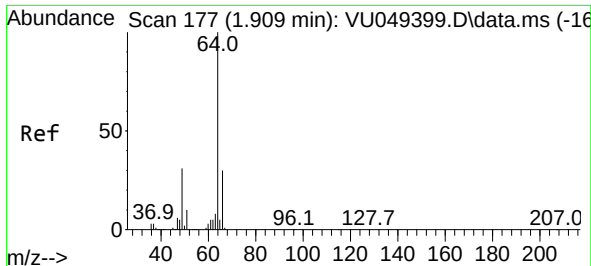
Tgt Ion:168 Resp: 242527
Ion Ratio Lower Upper
168 100
99 60.4 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55

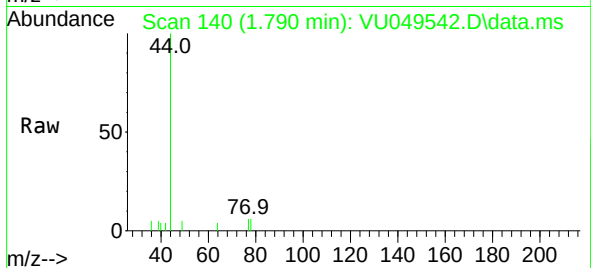
Tgt Ion: 50 Resp: 1416
Ion Ratio Lower Upper
50 100
52 33.8 27.4 41.2



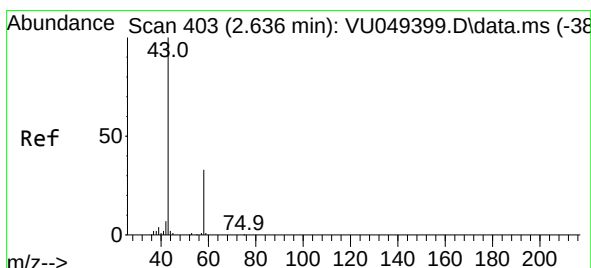
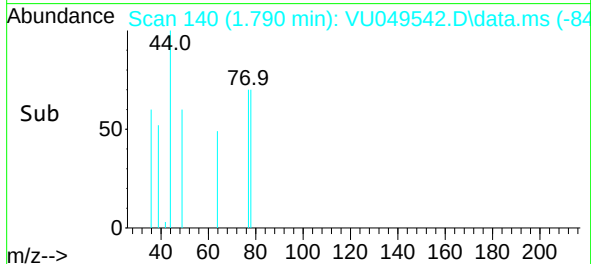
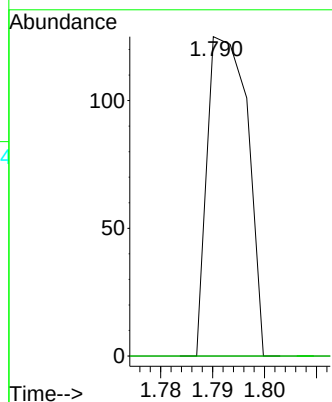


#6
Chloroethane
Concen: 1.951 ug/l
RT: 1.790 min Scan# 14
Delta R.T. -0.119 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55

Instrument :
MSVOA_U
ClientSampleId :

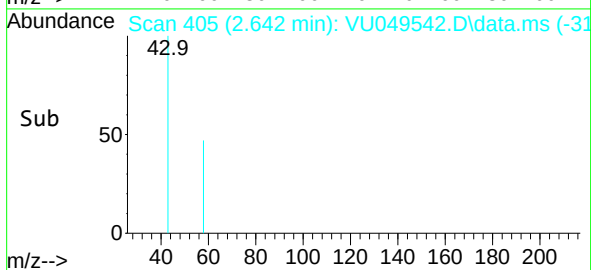
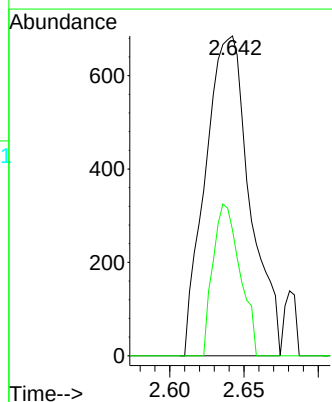
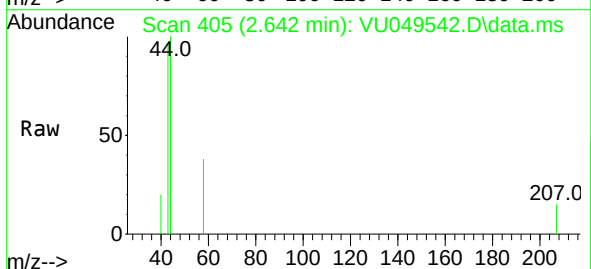


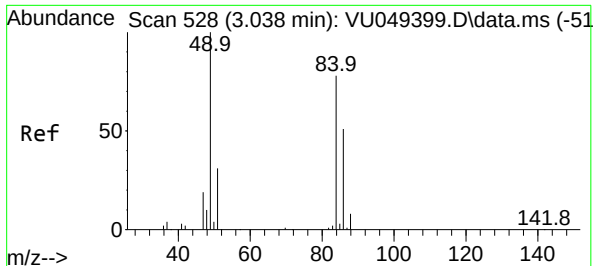
Tgt Ion: 64 Resp: 67
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#16
Acetone
Concen: 0.759 ug/l
RT: 2.642 min Scan# 405
Delta R.T. 0.006 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55

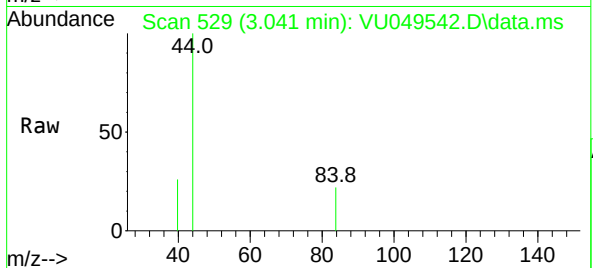
Tgt Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
58 39.3 27.5 41.3



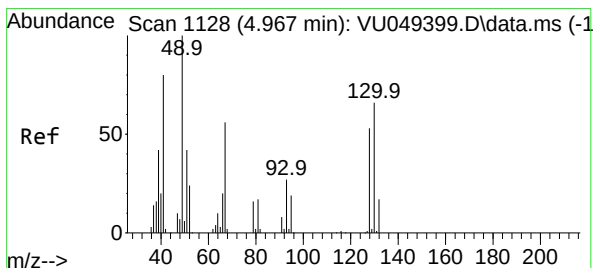
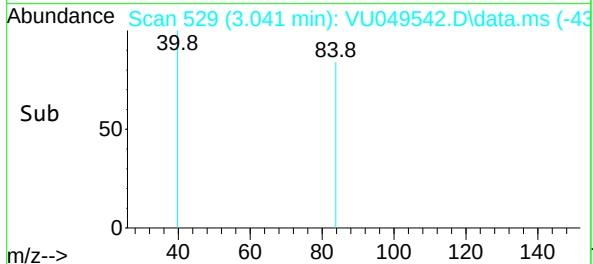
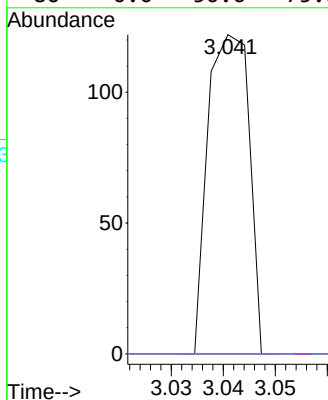


#20
Methylene Chloride
Concen: Below Cal
RT: 3.041 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55

Instrument :
MSVOA_U
ClientSampleId :

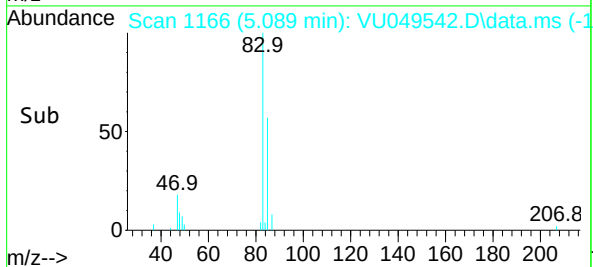
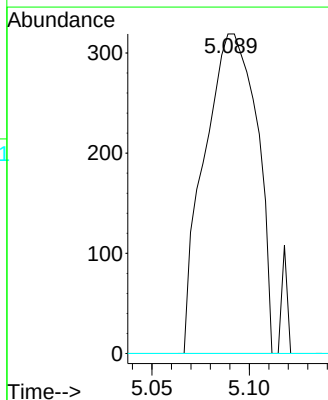
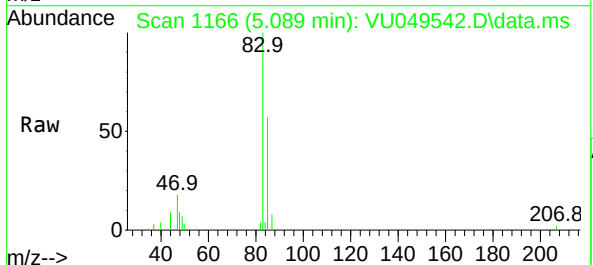


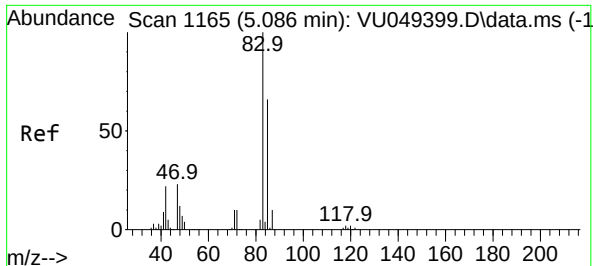
Tgt Ion:	84	Resp:	67
Ion	Ratio	Lower	Upper
84	100		
49	0.0	86.6	129.8#
51	0.0	26.6	40.0#
86	0.0	50.6	75.8#



#28
Bromochloromethane
Concen: 0.234 ug/l
RT: 5.089 min Scan# 1166
Delta R.T. 0.122 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55

Tgt Ion:	49	Resp:	598
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	0.0	76.9	115.3#





#30

Chloroform

Concen: 1.588 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VU049542.D

Acq: 30 Jun 2022 03:55

Instrument :

MSVOA_U

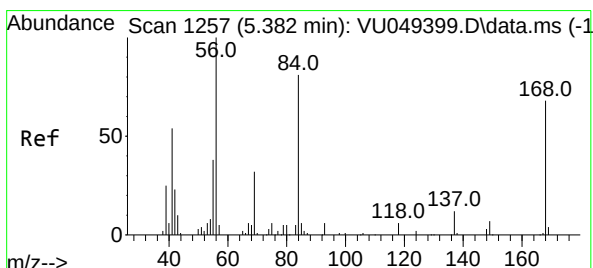
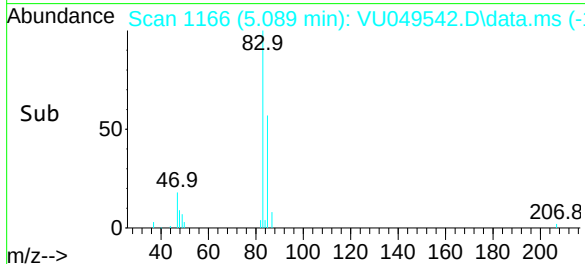
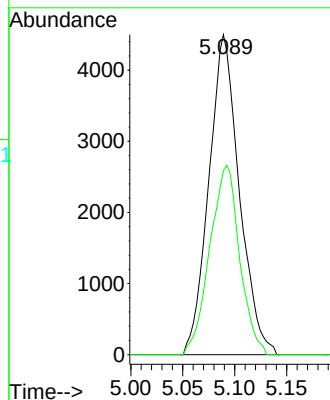
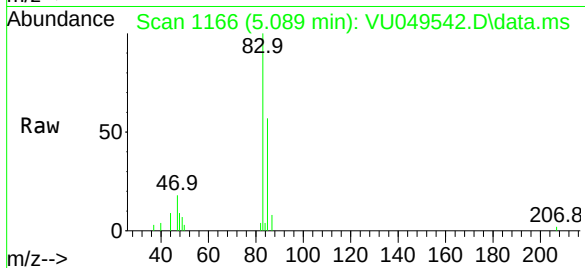
ClientSampleId :

Tgt Ion: 83 Resp: 9172

Ion Ratio Lower Upper

83 100

85 57.4 51.2 76.8



#31

Cyclohexane

Concen: 0.945 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.006 min

Lab File: VU049542.D

Acq: 30 Jun 2022 03:55

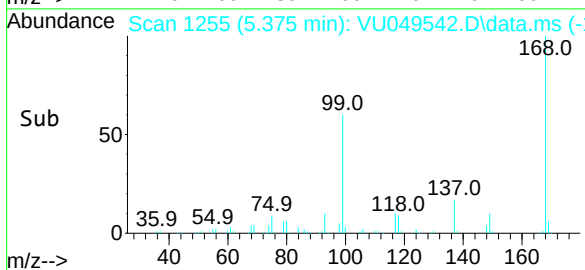
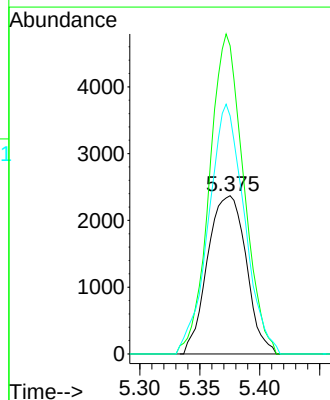
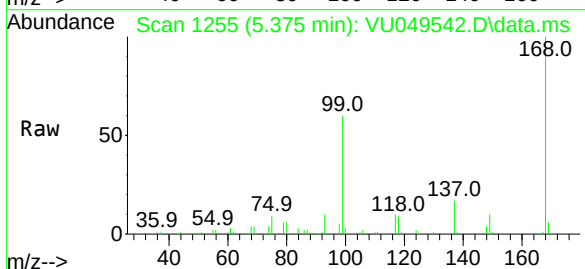
Tgt Ion: 56 Resp: 5300

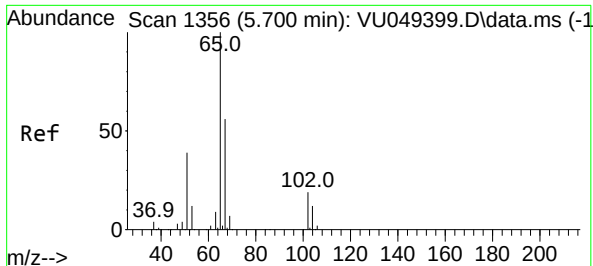
Ion Ratio Lower Upper

56 100

69 194.8 27.8 41.8#

84 150.5 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 45.524 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049542.D

Acq: 30 Jun 2022 03:55

Instrument :

MSVOA_U

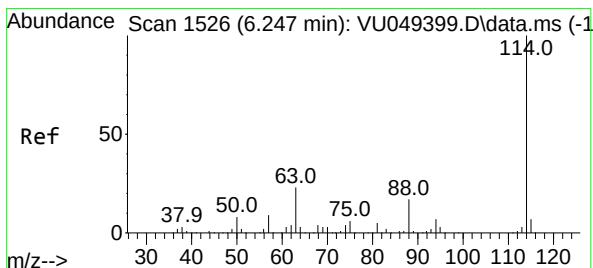
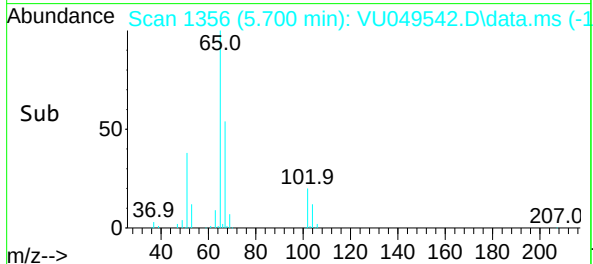
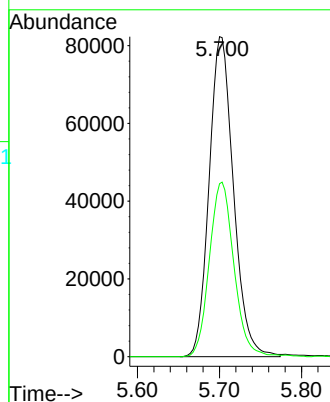
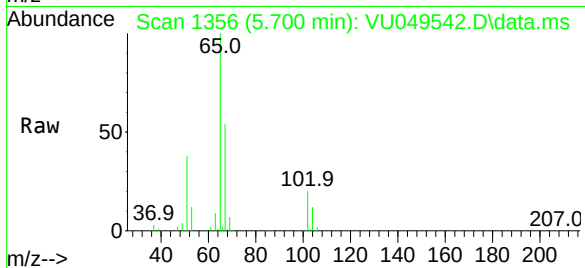
ClientSampleId :

Tgt Ion: 65 Resp: 170036

Ion Ratio Lower Upper

65 100

67 55.0 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. 0.003 min

Lab File: VU049542.D

Acq: 30 Jun 2022 03:55

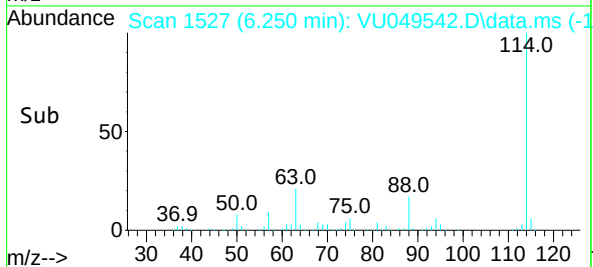
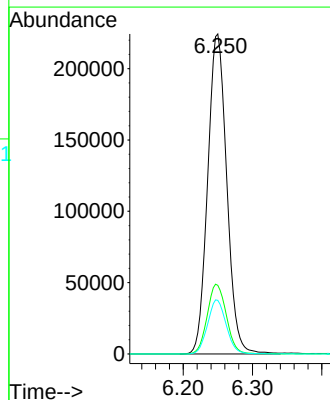
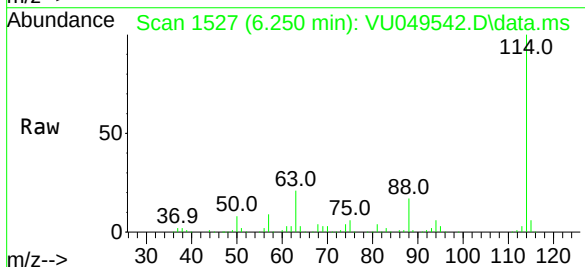
Tgt Ion: 114 Resp: 428093

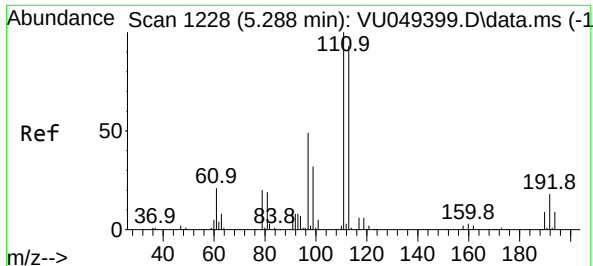
Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

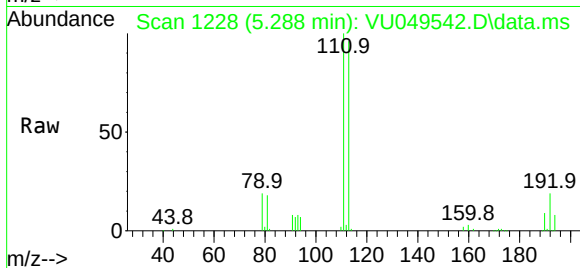
88 16.8 0.0 29.2



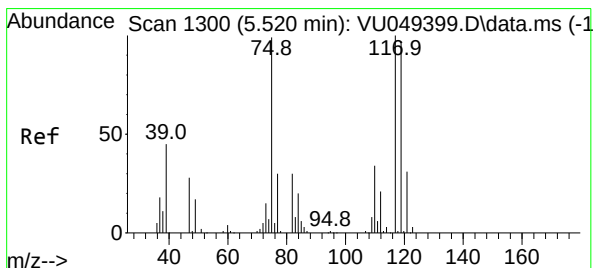
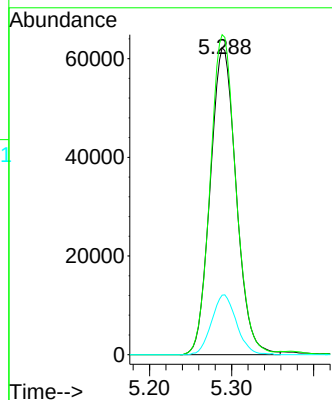
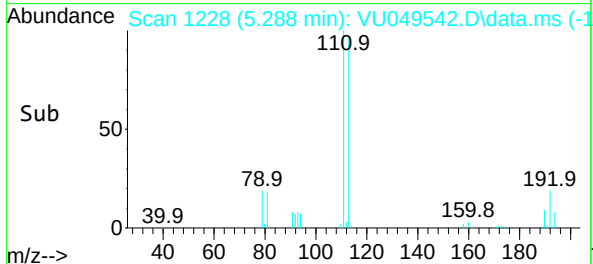


#35
Dibromofluoromethane
Concen: 45.703 ug/l
RT: 5.288 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55

Instrument :
MSVOA_U
ClientSampleId :

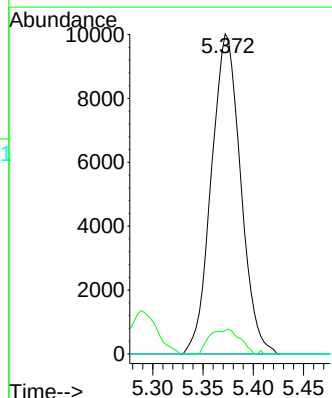
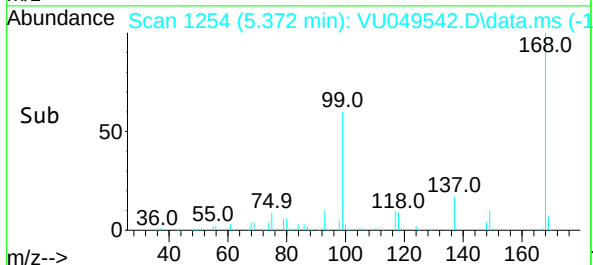
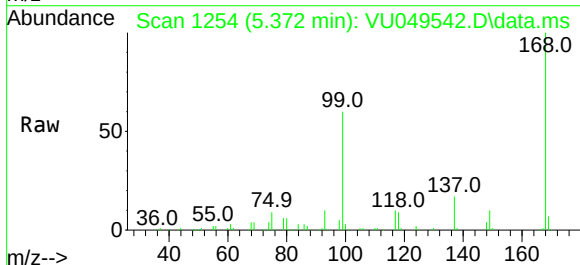


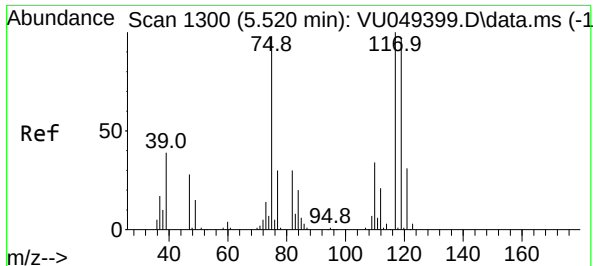
Tgt Ion:113 Resp: 136883
Ion Ratio Lower Upper
113 100
111 102.9 82.1 123.1
192 18.6 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.675 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55

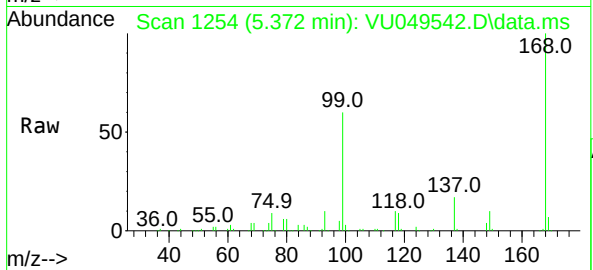
Tgt Ion: 75 Resp: 20302
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.0 25.1 37.7#



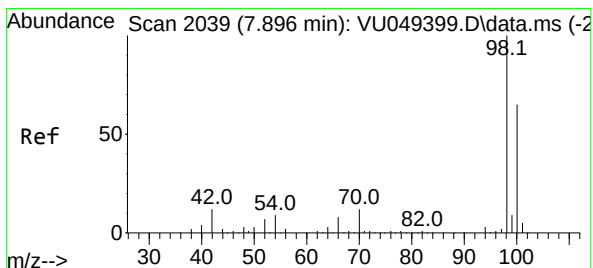
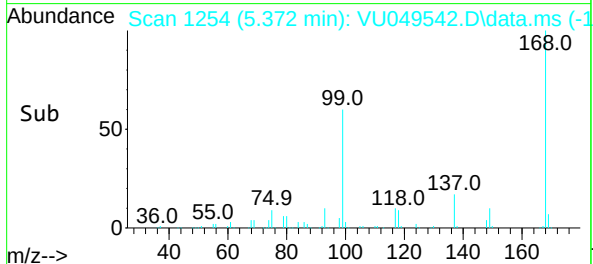
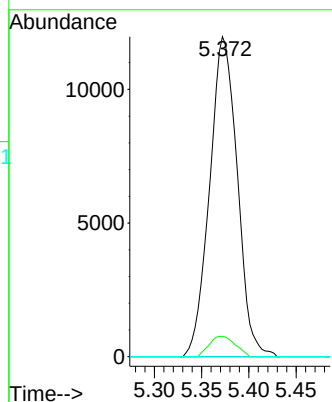


#38
Carbon Tetrachloride
Concen: 5.353 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55

Instrument :
MSVOA_U
ClientSampleId :

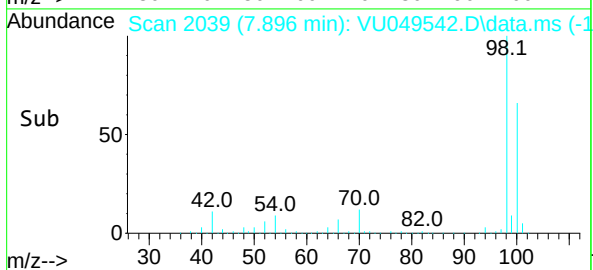
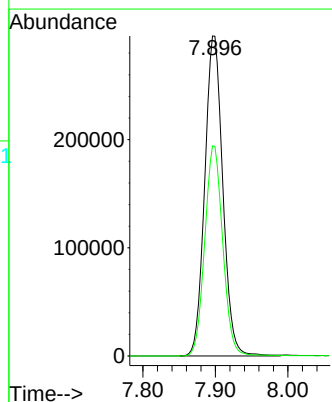
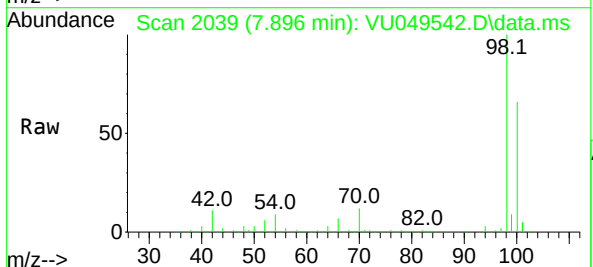


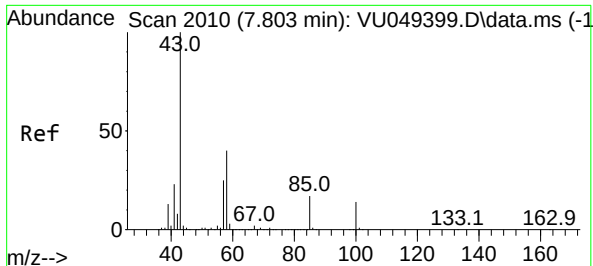
Tgt Ion:117 Resp: 24381
Ion Ratio Lower Upper
117 100
119 6.4 76.8 115.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.949 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55

Tgt Ion: 98 Resp: 512218
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.374 ug/l

RT: 7.896 min Scan# 2010

Delta R.T. 0.093 min

Lab File: VU049542.D

Acq: 30 Jun 2022 03:55

Instrument :

MSVOA_U

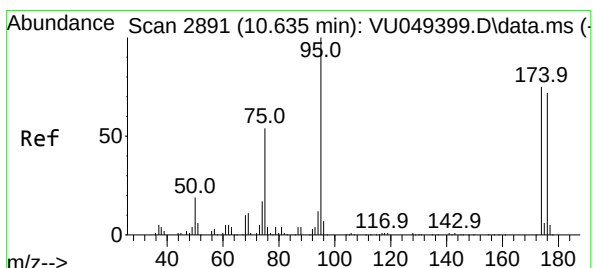
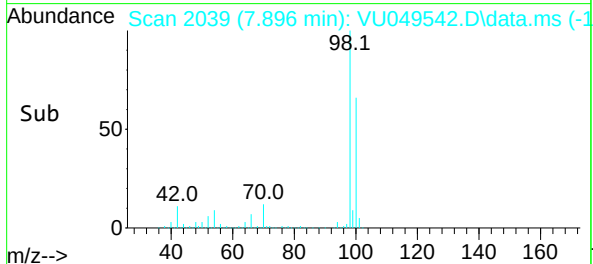
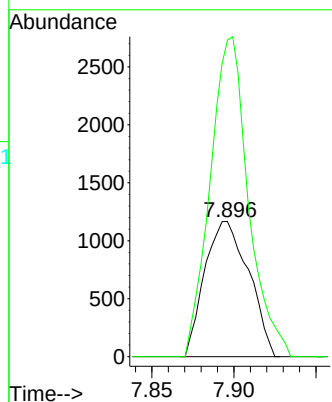
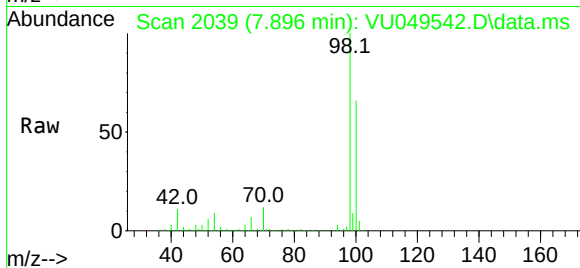
ClientSampleId :

Tgt Ion: 43 Resp: 2177

Ion Ratio Lower Upper

43 100

58 205.0 34.7 52.1#



#62

4-Bromofluorobenzene

Concen: 44.480 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.003 min

Lab File: VU049542.D

Acq: 30 Jun 2022 03:55

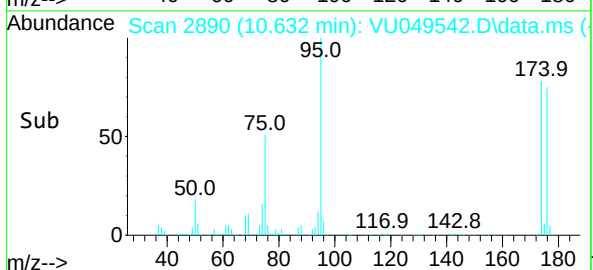
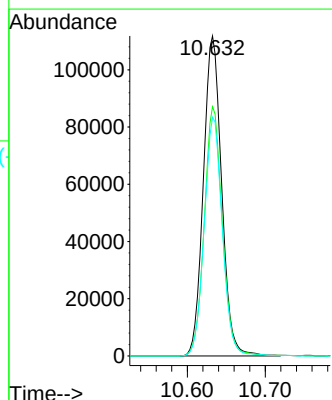
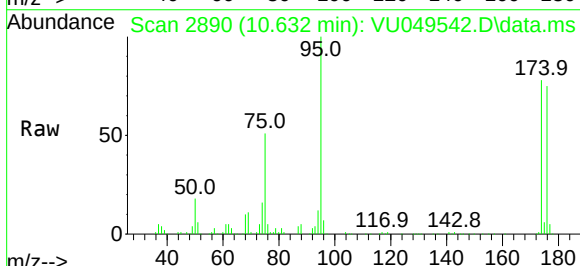
Tgt Ion: 95 Resp: 182018

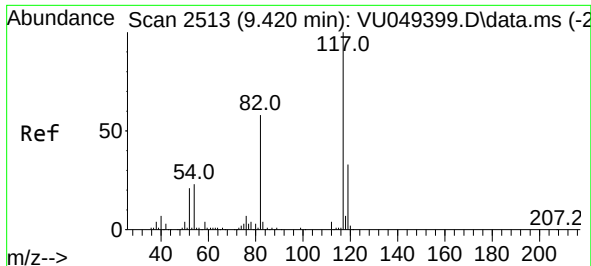
Ion Ratio Lower Upper

95 100

174 77.0 0.0 182.0

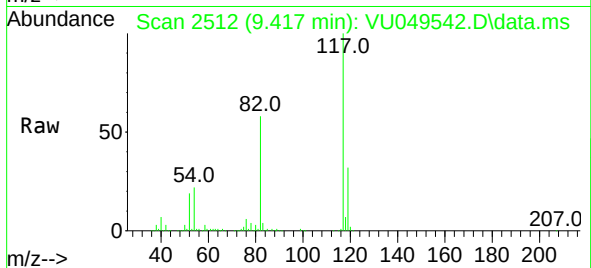
176 74.2 0.0 177.8



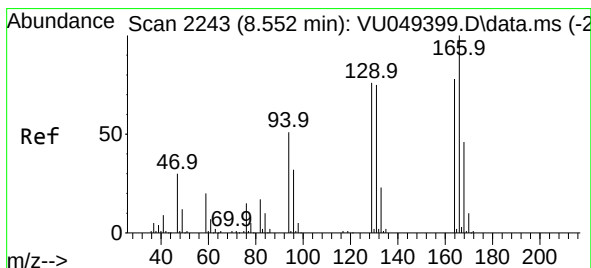
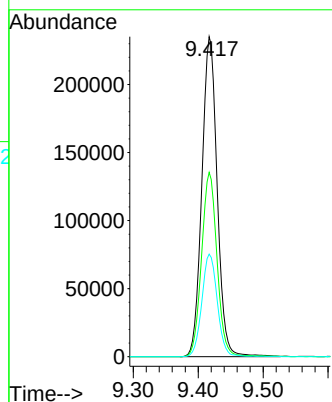
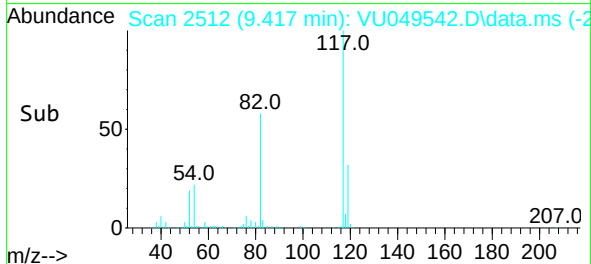


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55

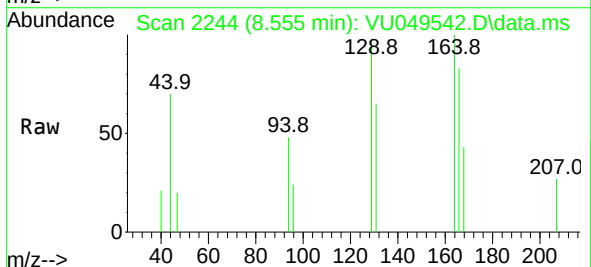
Instrument :
MSVOA_U
ClientSampleId :



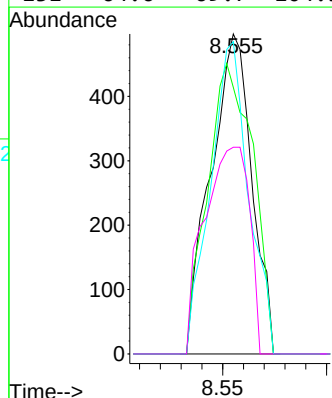
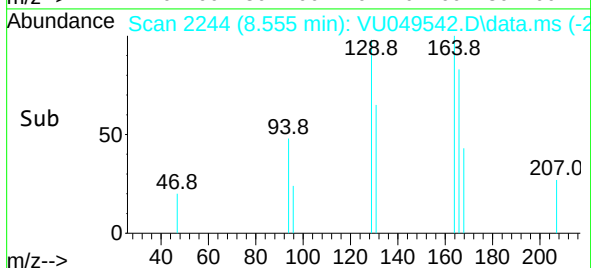
Tgt Ion:117 Resp: 386892
Ion Ratio Lower Upper
117 100
82 57.6 41.7 62.5
119 32.0 25.7 38.5

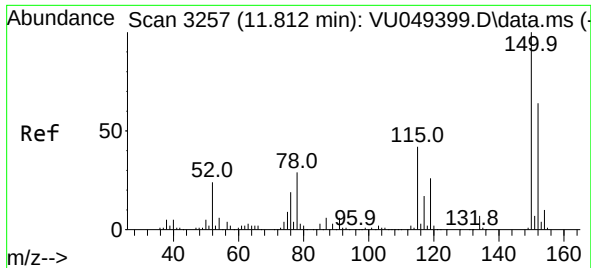


#64
Tetrachloroethene
Concen: 0.276 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55



Tgt Ion:164 Resp: 684
Ion Ratio Lower Upper
164 100
166 83.3 100.0 150.0#
129 97.6 72.0 108.0
131 64.6 69.7 104.5#

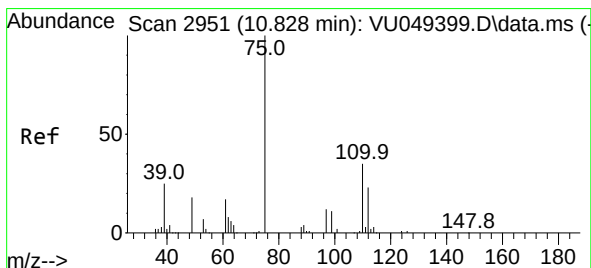
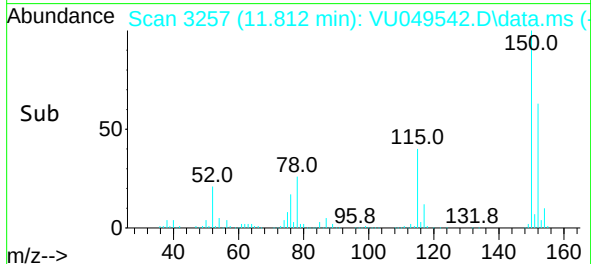
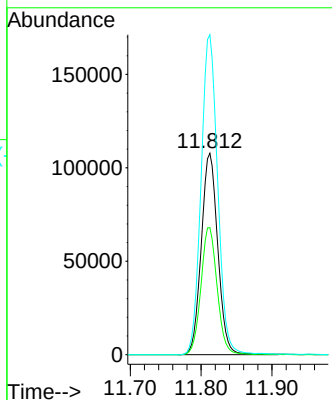
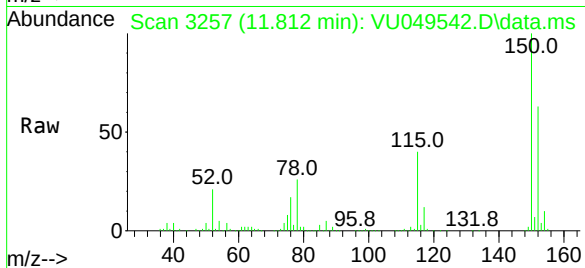




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU049542.D
 Acq: 30 Jun 2022 03:55

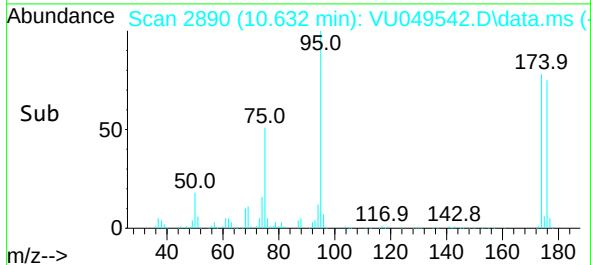
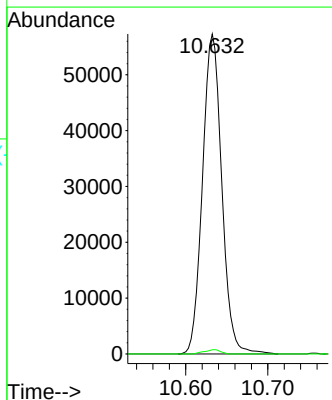
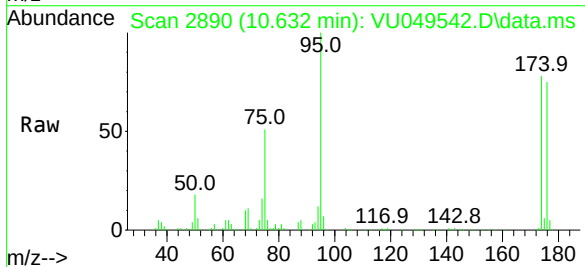
Instrument :
 MSVOA_U
 ClientSampleId :

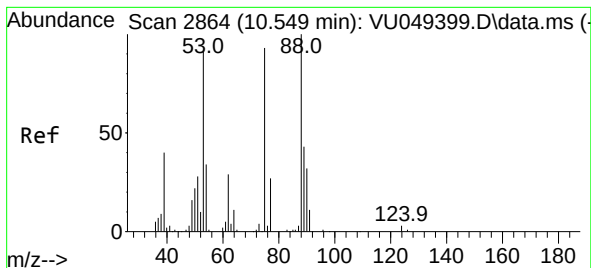
Tgt Ion:152 Resp: 174458
 Ion Ratio Lower Upper
 152 100
 115 61.8 37.0 110.9
 150 159.2 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.798 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049542.D
 Acq: 30 Jun 2022 03:55

Tgt Ion: 75 Resp: 93427
 Ion Ratio Lower Upper
 75 100
 77 1.1 15.8 47.3#

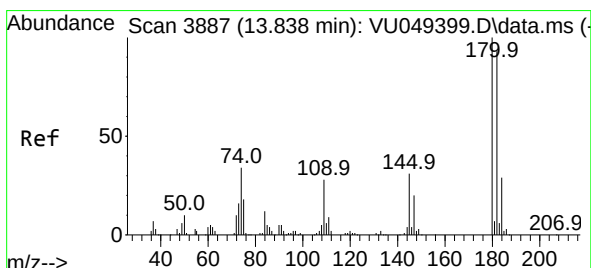
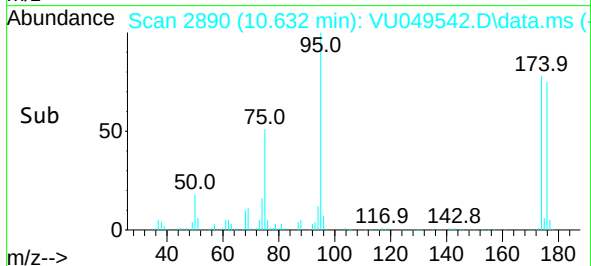
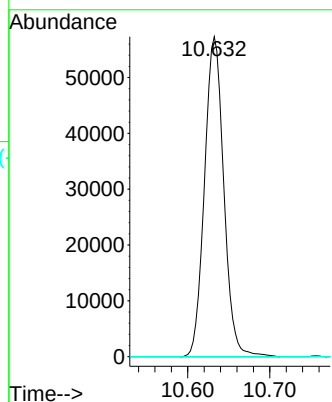
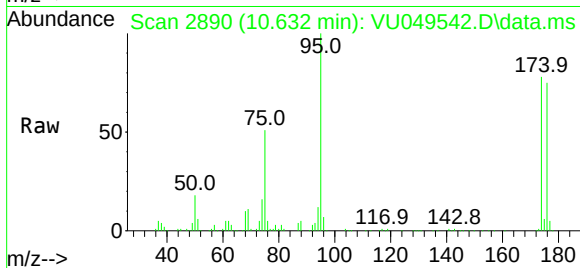




#81
trans-1,4-Dichloro-2-butene
Concen: 58.339 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55

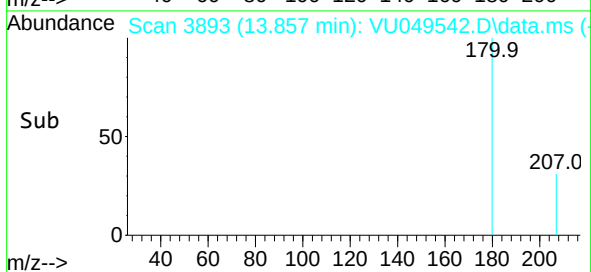
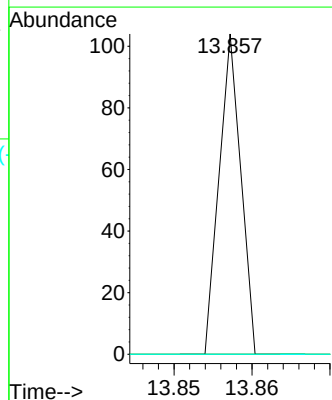
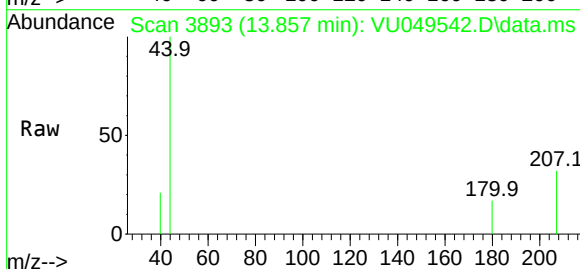
Instrument :
MSVOA_U
ClientSampleId :

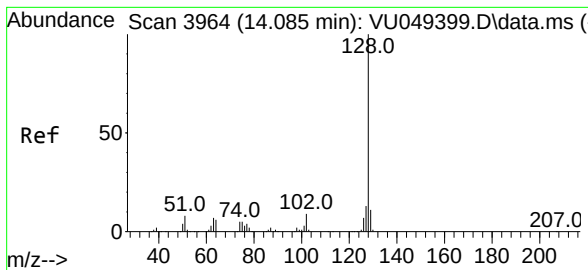
Tgt Ion: 75 Resp: 93427
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.759 ug/l
RT: 13.857 min Scan# 3893
Delta R.T. 0.019 min
Lab File: VU049542.D
Acq: 30 Jun 2022 03:55

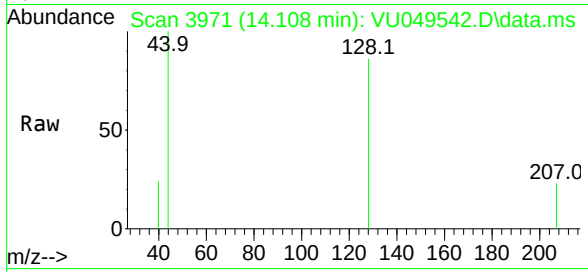
Tgt Ion:180 Resp: 20
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 0.0 14.0 41.9#





#95
 Naphthalene
 Concen: 1.809 ug/l
 RT: 14.108 min Scan# 3964
 Delta R.T. 0.022 min
 Lab File: VU049542.D
 Acq: 30 Jun 2022 03:55

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	128	Resp:	1038
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

