

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049459.D
 Acq On : 28 Jun 2022 15:33
 Operator : SY/MD
 Sample : N3458-05 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP04-20220621

Quant Time: Jun 29 05:21:55 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	302414	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	522458	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	474583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	228075	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	198877	42.702	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.400%
35) Dibromofluoromethane	5.288	113	160949	44.032	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.060%
50) Toluene-d8	7.896	98	627035	48.095	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.200%
62) 4-Bromofluorobenzene	10.632	95	234634	46.982	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.960%

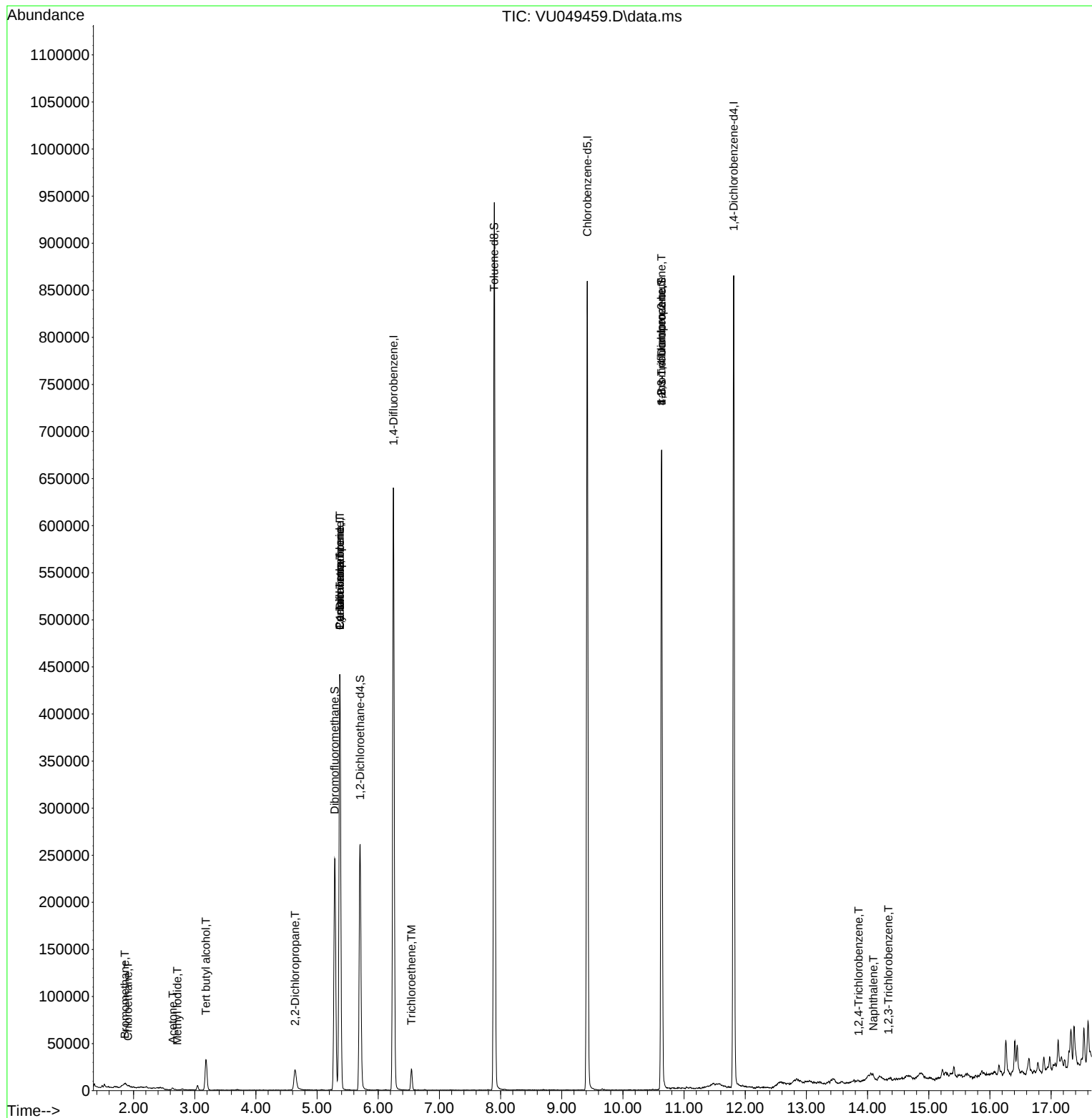
Target Compounds					Qvalue
3) Chloromethane	1.523	50	3044	Below Cal	89
5) Bromomethane	1.858	94	342	0.225 ug/l	# 69
6) Chloroethane	1.909	64	120	1.966 ug/l	# 44
10) Methyl Iodide	2.716	142	20	7.518 ug/l	# 43
11) Tert butyl alcohol	3.182	59	19684	18.057 ug/l	# 38
16) Acetone	2.642	43	2588	1.102 ug/l	100
20) Methylene Chloride	3.041	84	2171	Below Cal	# 88
26) 2,2-Dichloropropane	4.642	77	1624	0.268 ug/l	# 52
31) Cyclohexane	5.372	56	6282	0.898 ug/l	# 1
36) 1,1-Dichloropropene	5.372	75	25407	4.794 ug/l	# 48
38) Carbon Tetrachloride	5.372	117	31642	5.693 ug/l	# 15
44) Trichloroethene	6.542	130	7286	1.915 ug/l	93
76) 1,2,3-Trichloropropane	10.632	75	120590	15.597 ug/l	# 45
81) trans-1,4-Dichloro-2-b...	10.632	75	120590	57.598 ug/l	# 15
93) 1,2,4-Trichlorobenzene	13.851	180	73	1.768 ug/l	# 1
95) Naphthalene	14.095	128	1622	1.824 ug/l	# 67
96) 1,2,3-Trichlorobenzene	14.339	180	231	1.220 ug/l	# 51

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

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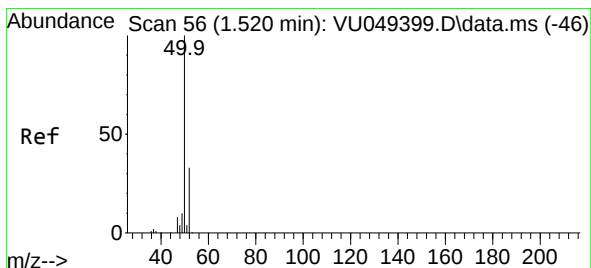
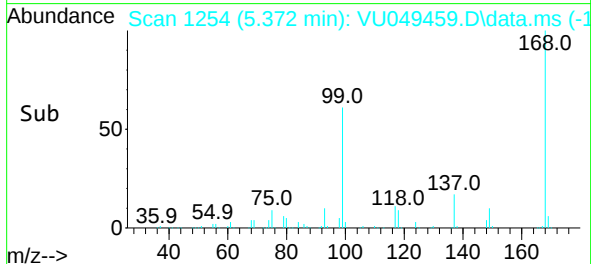
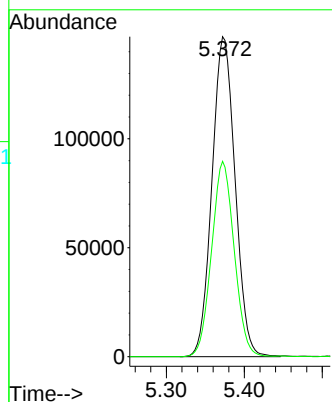
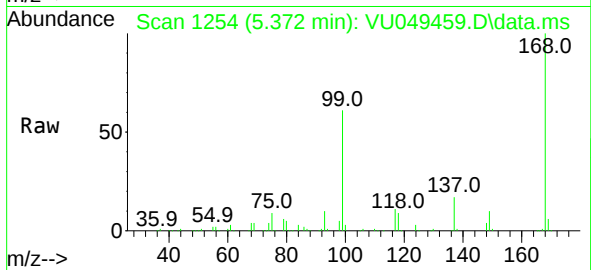




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049459.D
Acq: 28 Jun 2022 15:33

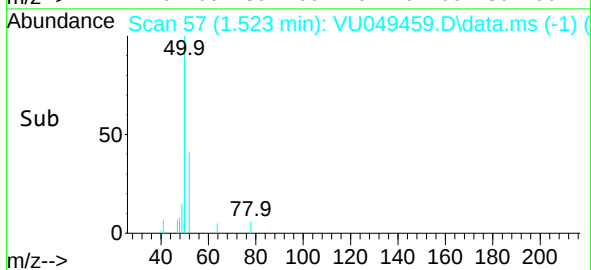
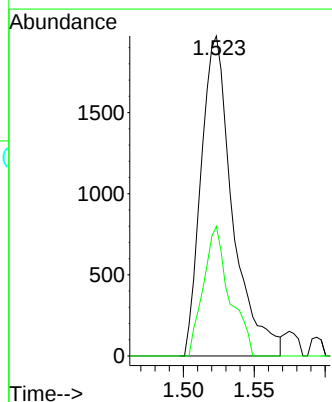
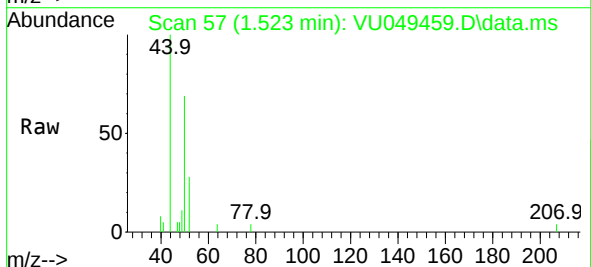
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220621

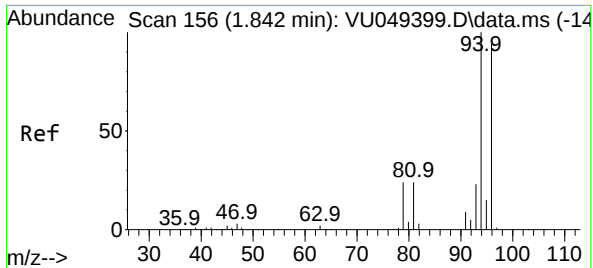
Tgt Ion:168 Resp: 302414
Ion Ratio Lower Upper
168 100
99 61.0 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU049459.D
Acq: 28 Jun 2022 15:33

Tgt Ion: 50 Resp: 3044
Ion Ratio Lower Upper
50 100
52 40.5 27.4 41.2

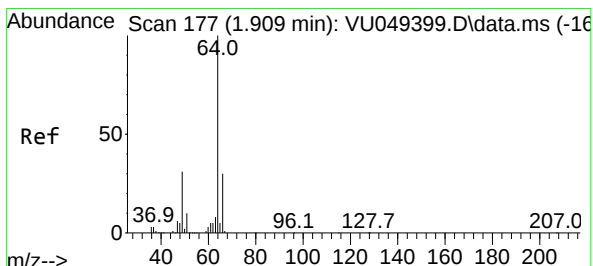
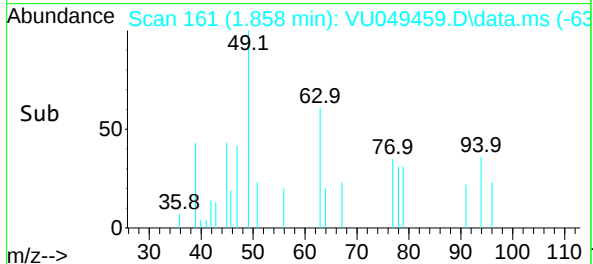
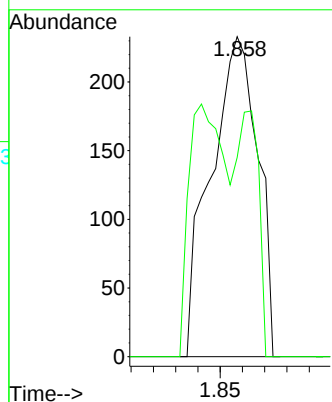
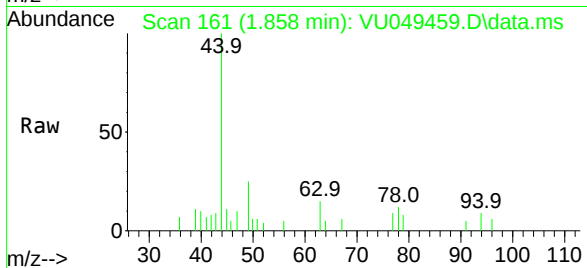




#5
Bromomethane
Concen: 0.225 ug/l
RT: 1.858 min Scan# 11
Delta R.T. 0.016 min
Lab File: VU049459.D
Acq: 28 Jun 2022 15:33

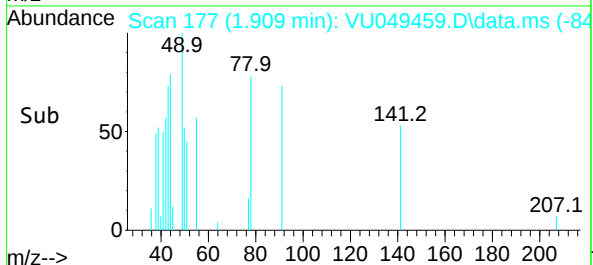
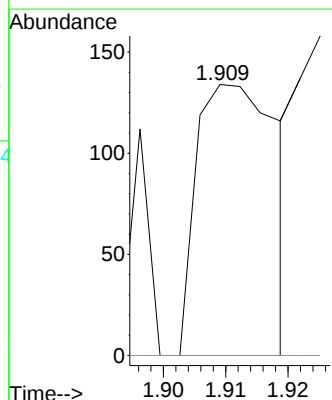
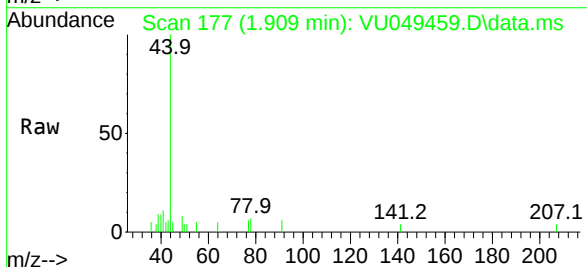
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220621

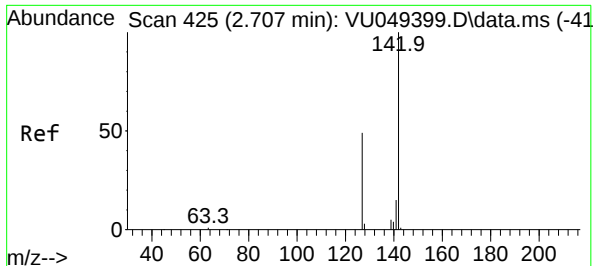
Tgt Ion: 94 Resp: 342
Ion Ratio Lower Upper
94 100
96 62.2 73.7 110.5#



#6
Chloroethane
Concen: 1.966 ug/l
RT: 1.909 min Scan# 177
Delta R.T. -0.000 min
Lab File: VU049459.D
Acq: 28 Jun 2022 15:33

Tgt Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#





#10

Methyl Iodide

Concen: 7.518 ug/l

RT: 2.716 min Scan# 41

Delta R.T. 0.010 min

Lab File: VU049459.D

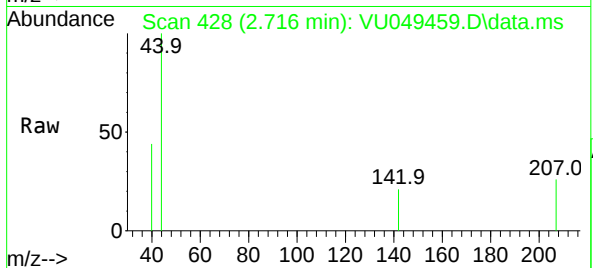
Acq: 28 Jun 2022 15:33

Instrument :

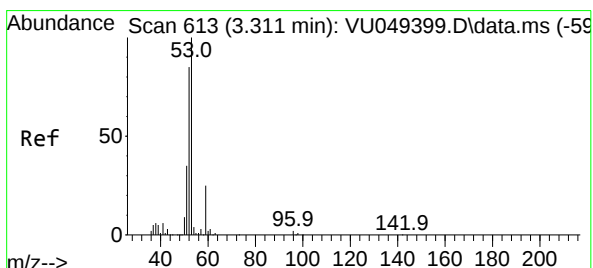
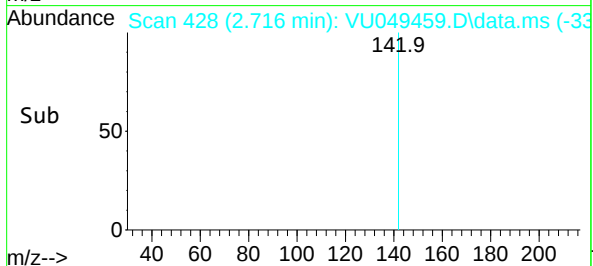
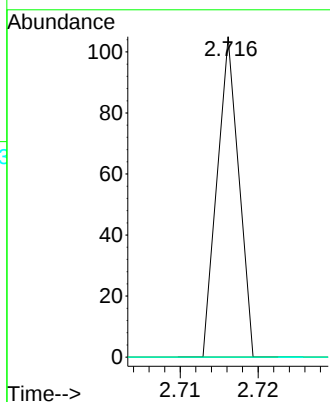
MSVOA_U

ClientSampleId :

DUP04-20220621



Tgt Ion:	142	Resp:	20
Ion	Ratio	Lower	Upper
142	100		
127	0.0	32.5	48.7#
141	0.0	11.4	17.0#



#11

Tert butyl alcohol

Concen: 18.057 ug/l

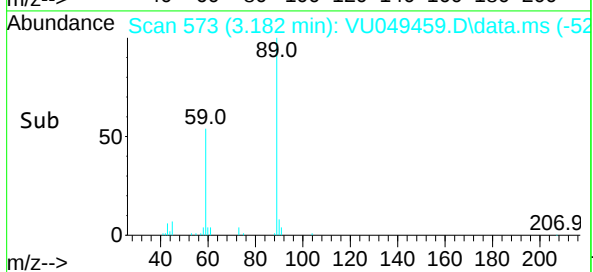
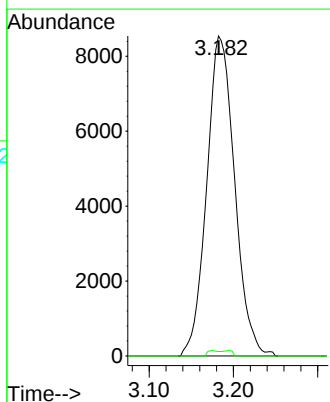
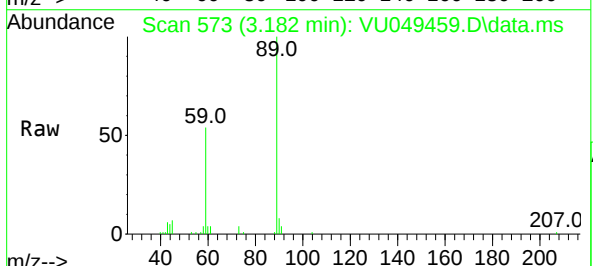
RT: 3.182 min Scan# 573

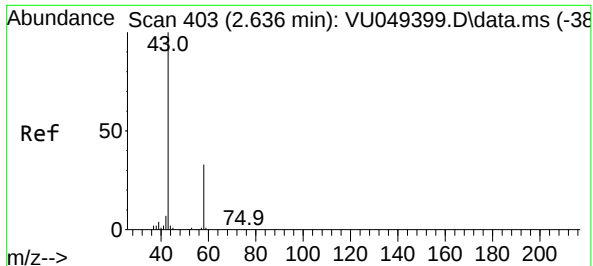
Delta R.T. -0.129 min

Lab File: VU049459.D

Acq: 28 Jun 2022 15:33

Tgt Ion:	59	Resp:	19684
Ion	Ratio	Lower	Upper
59	100		
57	0.6	30.6	45.8#

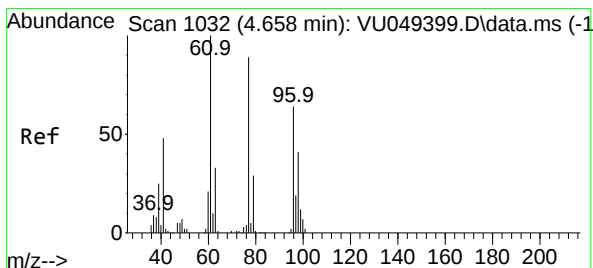
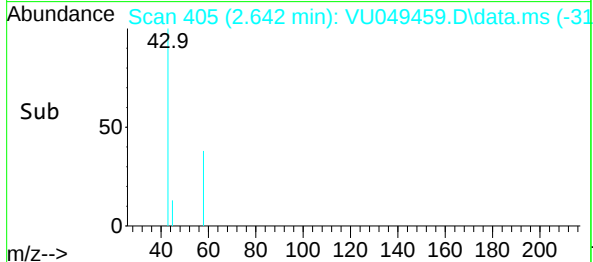
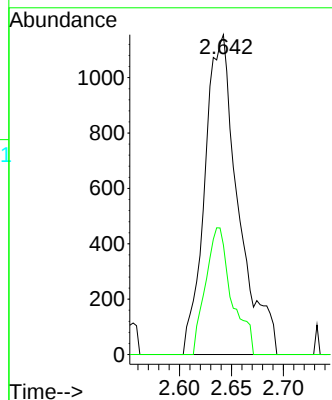
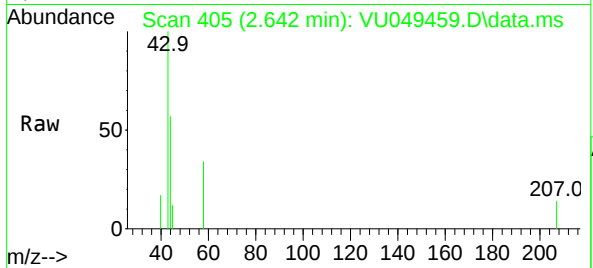




#16
Acetone
Concen: 1.102 ug/l
RT: 2.642 min Scan# 403
Delta R.T. 0.006 min
Lab File: VU049459.D
Acq: 28 Jun 2022 15:33

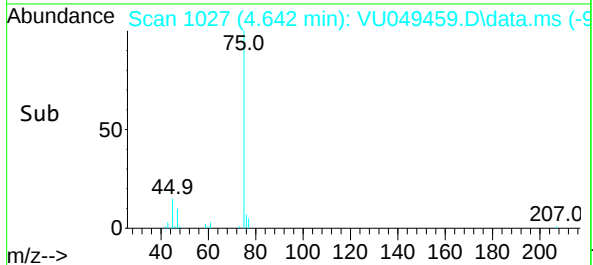
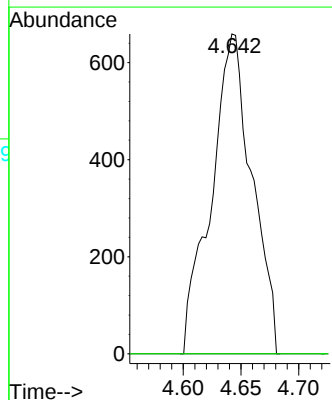
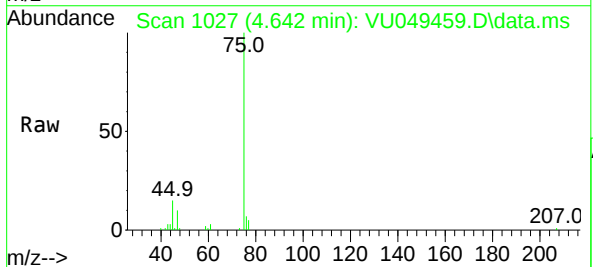
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220621

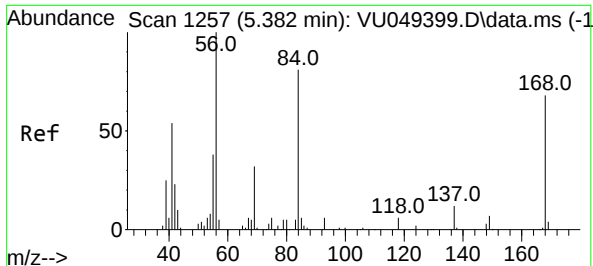
Tgt Ion: 43 Resp: 2588
Ion Ratio Lower Upper
43 100
58 34.3 27.5 41.3



#26
2,2-Dichloropropane
Concen: 0.268 ug/l
RT: 4.642 min Scan# 1027
Delta R.T. -0.016 min
Lab File: VU049459.D
Acq: 28 Jun 2022 15:33

Tgt Ion: 77 Resp: 1624
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.8#





#31

Cyclohexane

Concen: 0.898 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.010 min

Lab File: VU049459.D

Acq: 28 Jun 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

DUP04-20220621

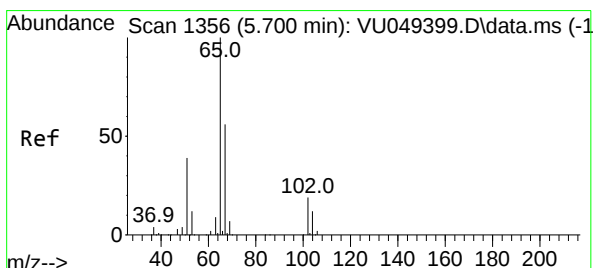
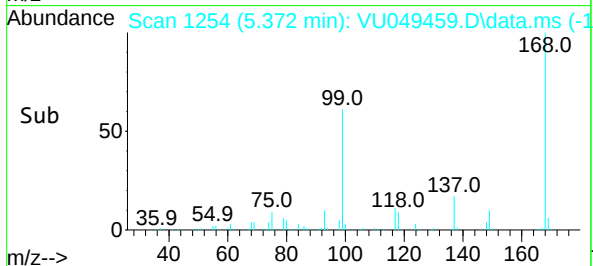
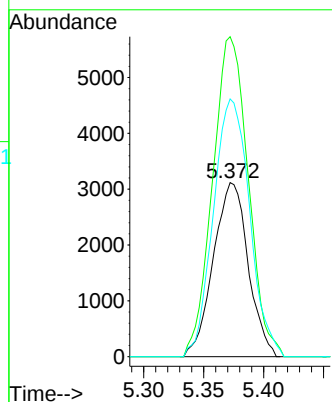
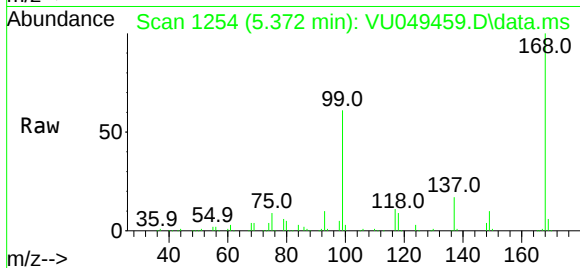
Tgt Ion: 56 Resp: 6282

Ion Ratio Lower Upper

56 100

69 183.8 27.8 41.8#

84 148.1 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 42.702 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU049459.D

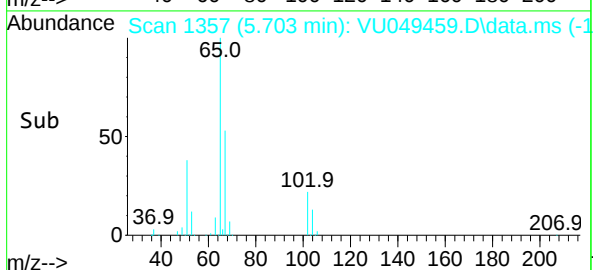
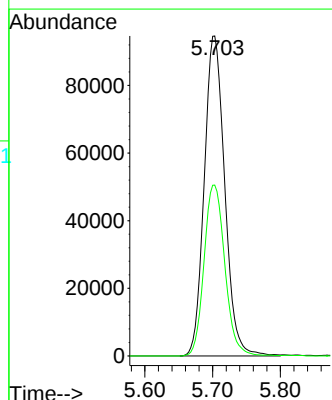
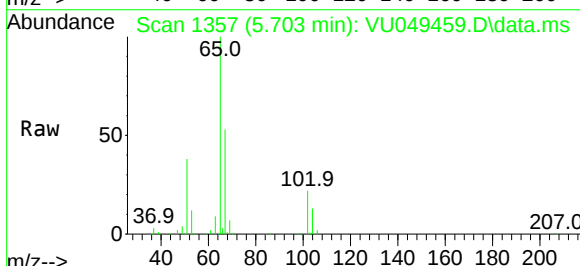
Acq: 28 Jun 2022 15:33

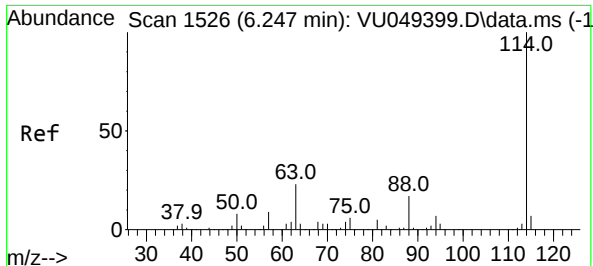
Tgt Ion: 65 Resp: 198877

Ion Ratio Lower Upper

65 100

67 54.1 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: VU049459.D

Acq: 28 Jun 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

DUP04-20220621

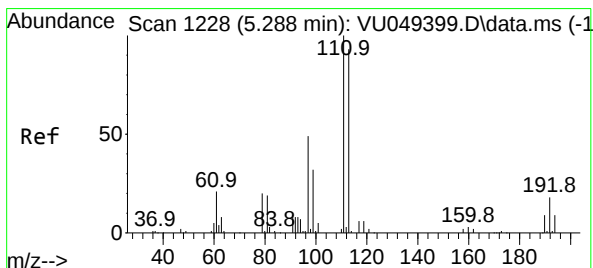
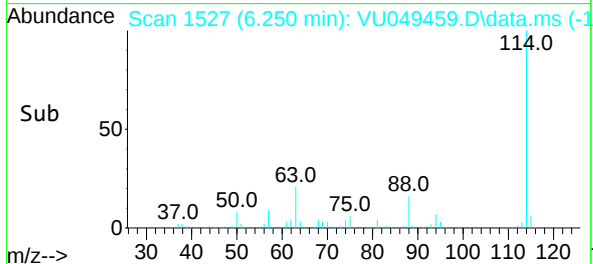
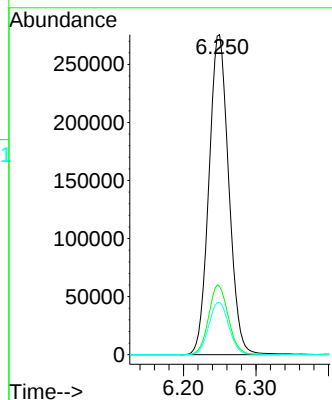
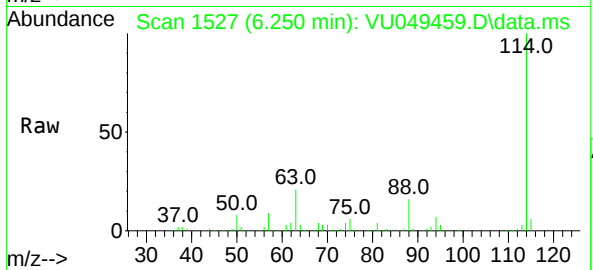
Tgt Ion:114 Resp: 522458

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

88 16.3 0.0 29.2



#35

Dibromofluoromethane

Concen: 44.032 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VU049459.D

Acq: 28 Jun 2022 15:33

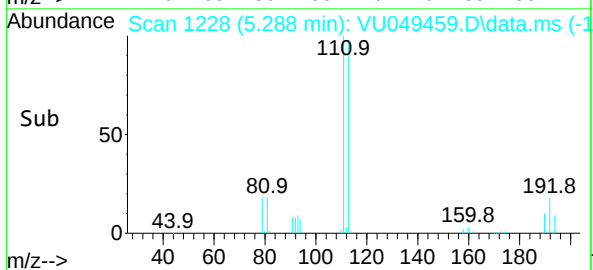
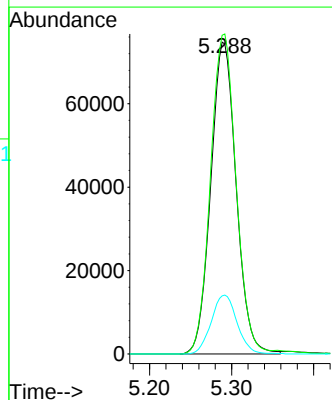
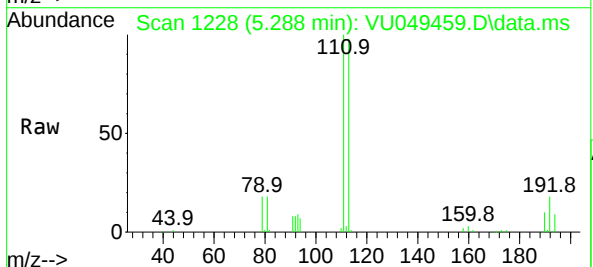
Tgt Ion:113 Resp: 160949

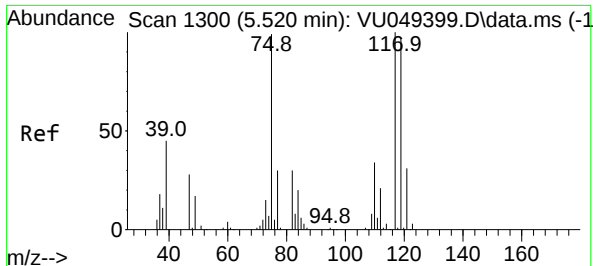
Ion Ratio Lower Upper

113 100

111 103.3 82.1 123.1

192 19.2 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.794 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.148 min

Lab File: VU049459.D

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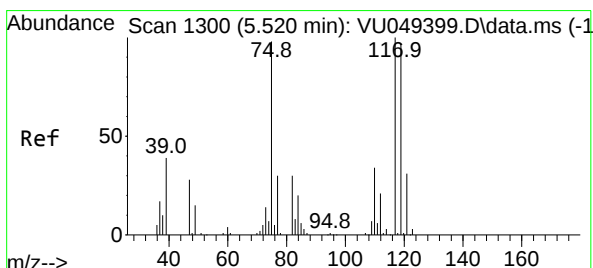
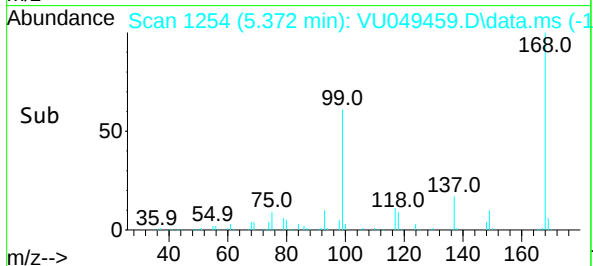
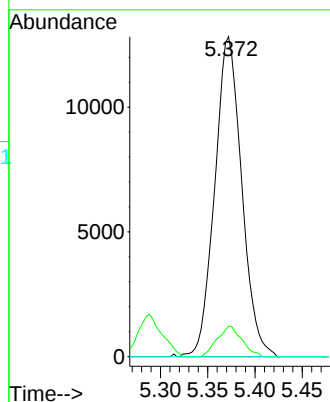
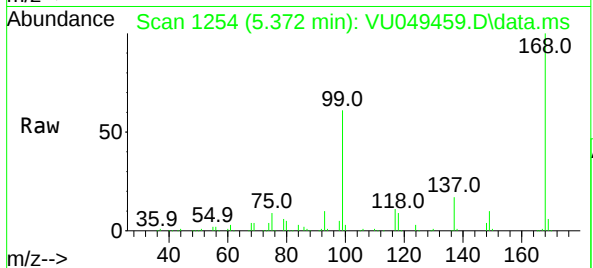
Tgt Ion: 75 Resp: 25407

Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.693 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.148 min

Lab File: VU049459.D

Acq: 28 Jun 2022 15:33

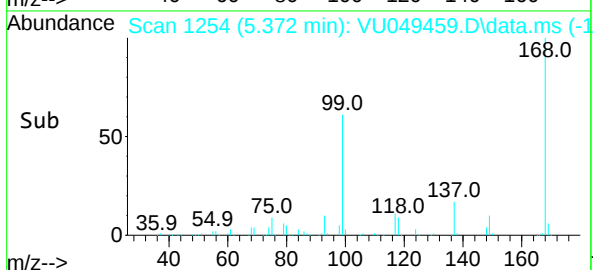
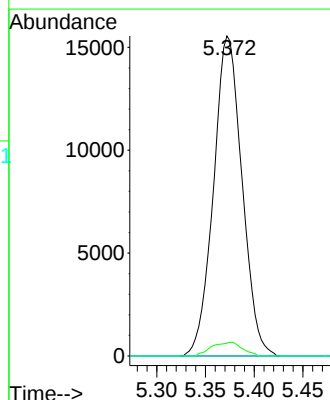
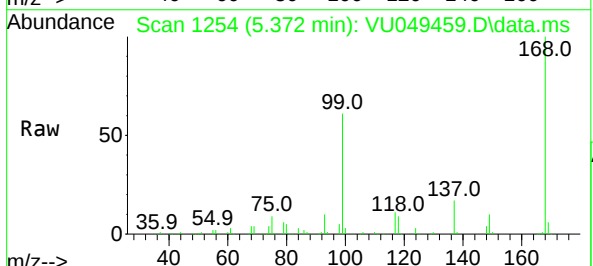
Tgt Ion: 117 Resp: 31642

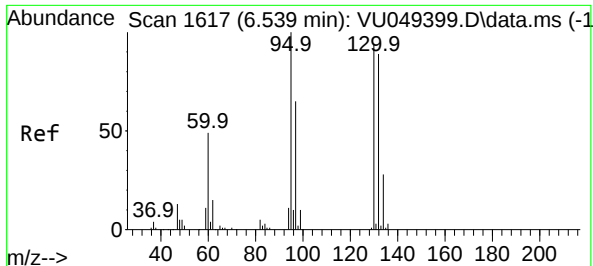
Ion Ratio Lower Upper

117 100

119 4.0 76.8 115.2#

121 0.0 24.7 37.1#

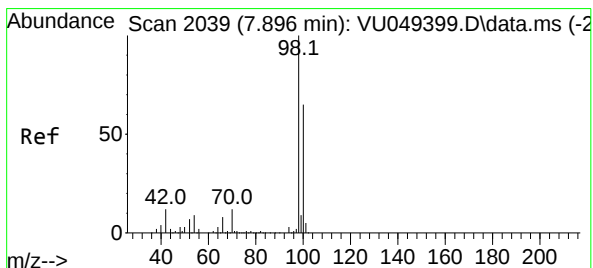
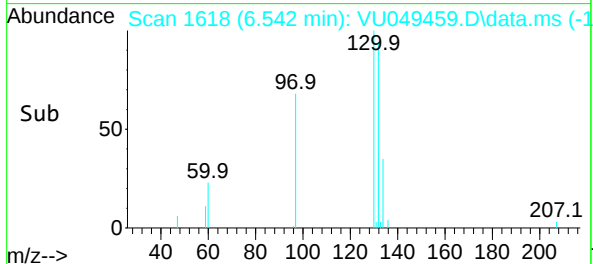
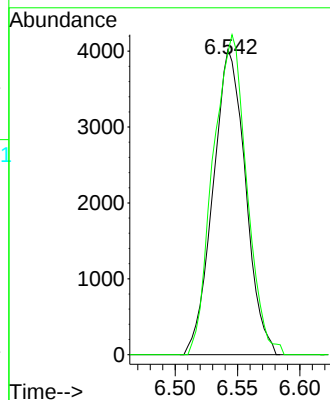
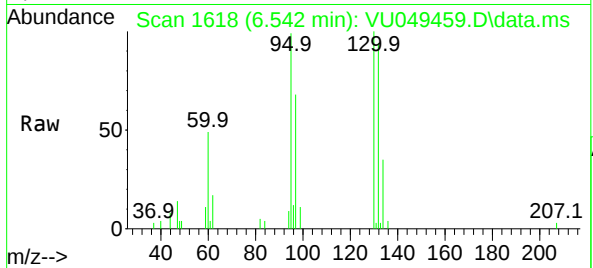




#44
Trichloroethene
Concen: 1.915 ug/l
RT: 6.542 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU049459.D
Acq: 28 Jun 2022 15:33

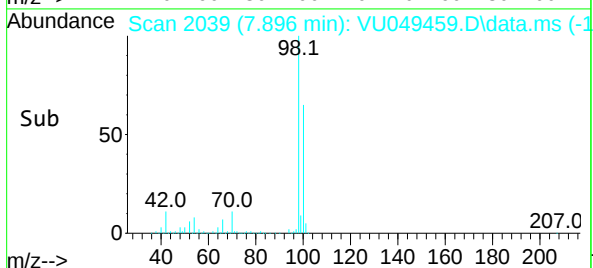
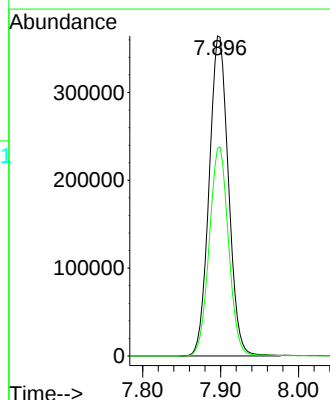
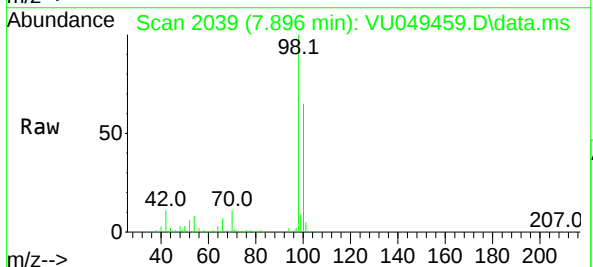
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220621

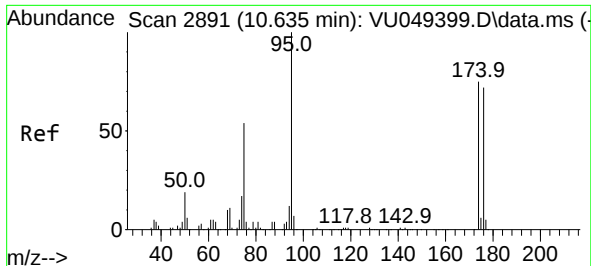
Tgt Ion:130 Resp: 7286
Ion Ratio Lower Upper
130 100
95 99.1 0.0 184.6



#50
Toluene-d8
Concen: 48.095 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VU049459.D
Acq: 28 Jun 2022 15:33

Tgt Ion: 98 Resp: 627035
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5

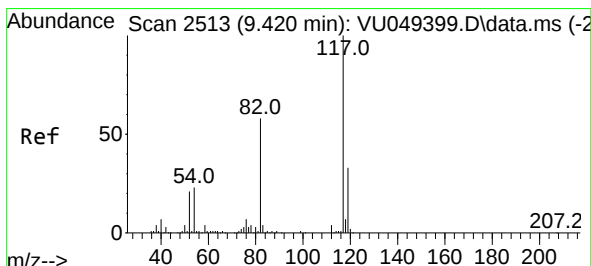
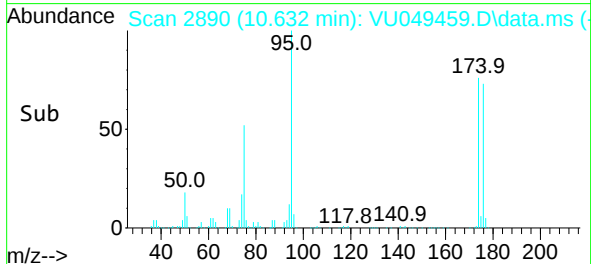
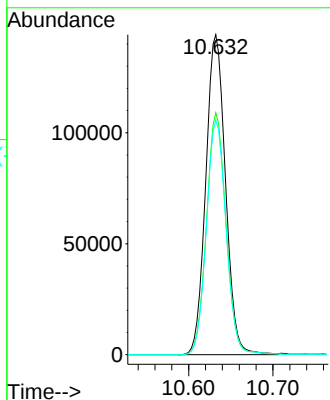
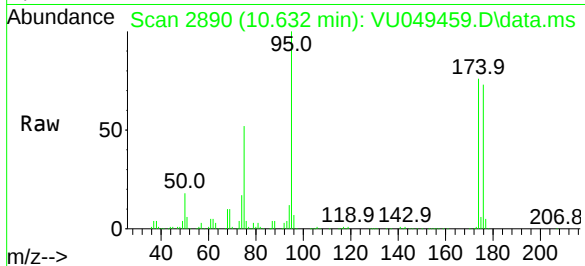




#62
4-Bromofluorobenzene
Concen: 46.982 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049459.D
Acq: 28 Jun 2022 15:33

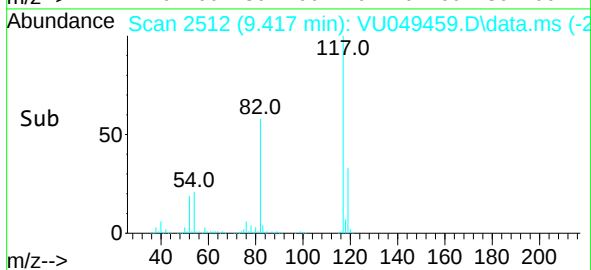
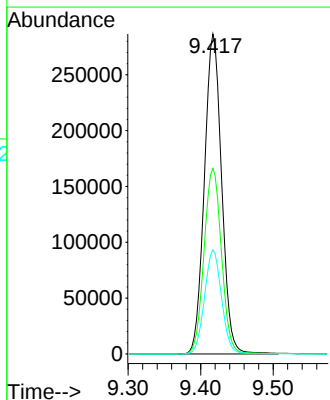
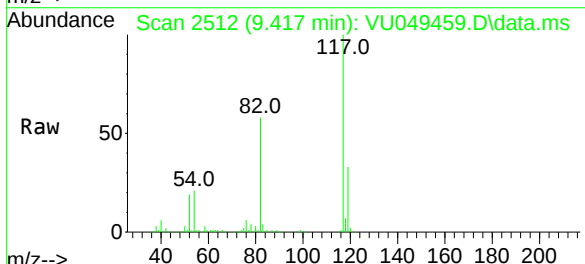
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220621

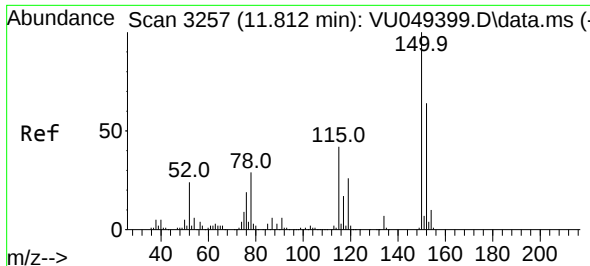
Tgt Ion: 95 Resp: 234634
Ion Ratio Lower Upper
95 100
174 75.1 0.0 182.0
176 73.1 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049459.D
Acq: 28 Jun 2022 15:33

Tgt Ion: 117 Resp: 474583
Ion Ratio Lower Upper
117 100
82 58.0 41.7 62.5
119 32.6 25.7 38.5

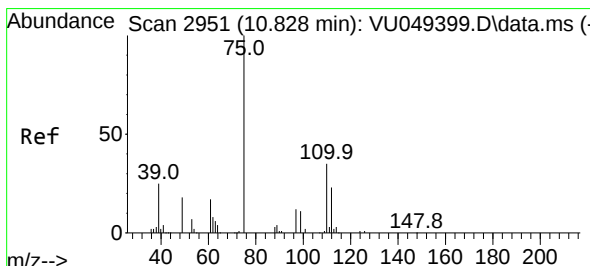
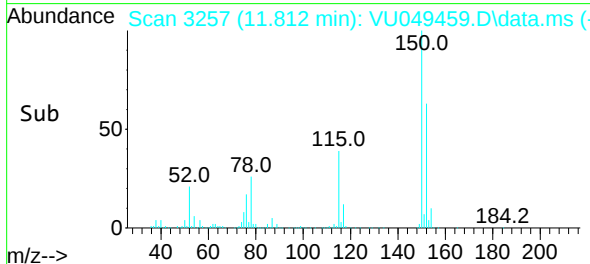
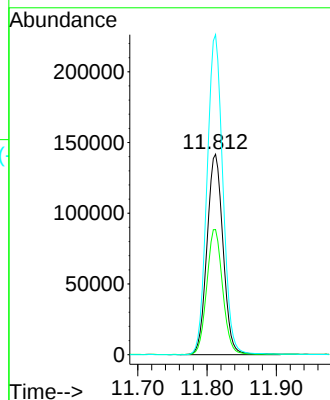
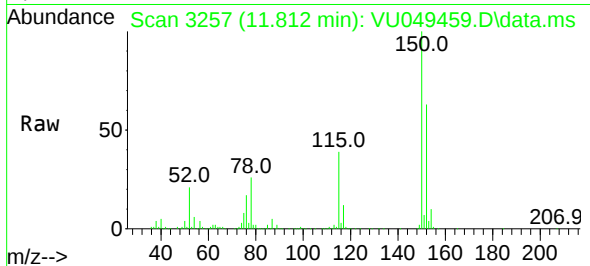




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU049459.D
 Acq: 28 Jun 2022 15:33

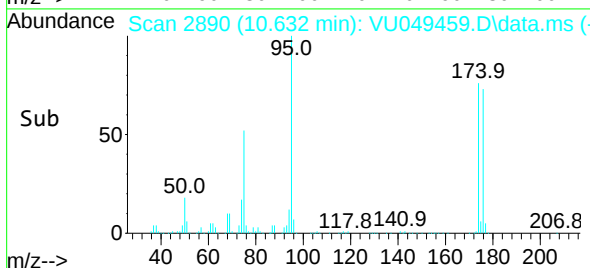
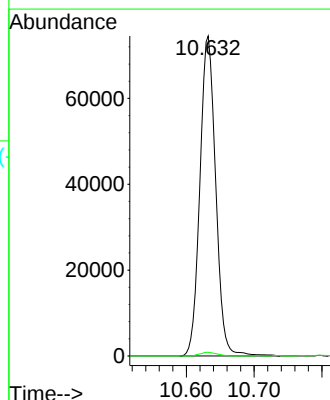
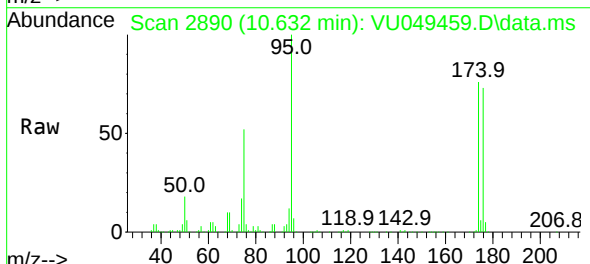
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP04-20220621

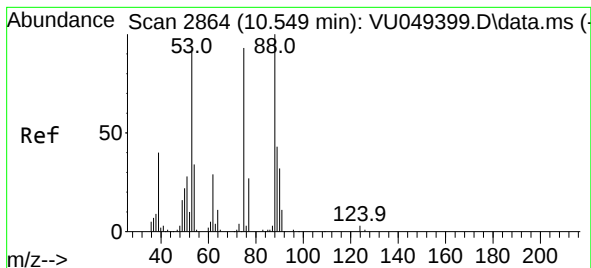
Tgt Ion:152 Resp: 228075
 Ion Ratio Lower Upper
 152 100
 115 61.4 37.0 110.9
 150 157.9 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.597 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.196 min
 Lab File: VU049459.D
 Acq: 28 Jun 2022 15:33

Tgt Ion: 75 Resp: 120590
 Ion Ratio Lower Upper
 75 100
 77 1.2 15.8 47.3#

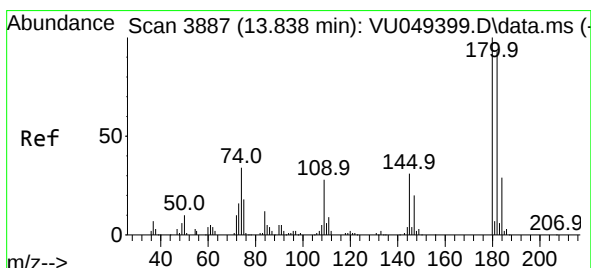
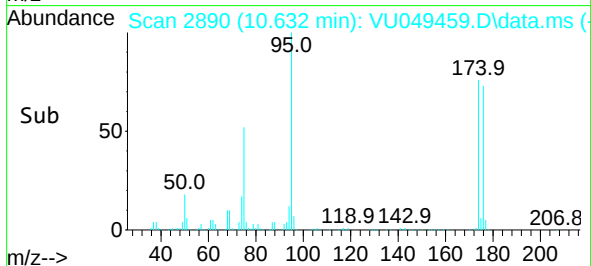
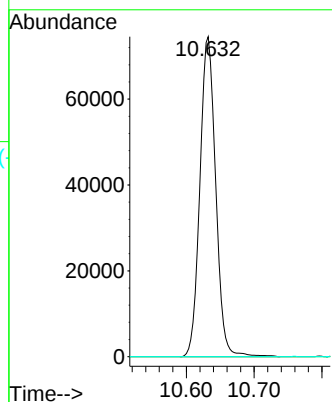
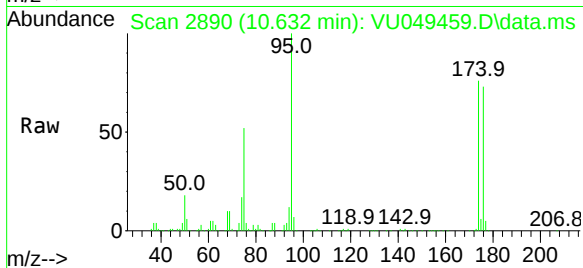




#81
trans-1,4-Dichloro-2-butene
Concen: 57.598 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049459.D
Acq: 28 Jun 2022 15:33

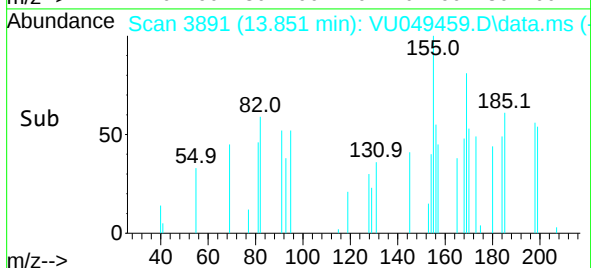
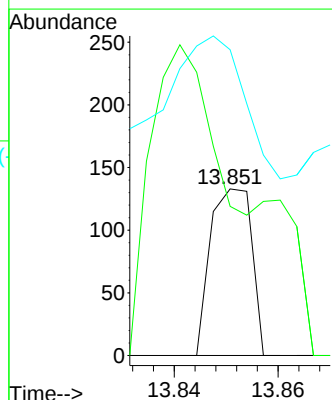
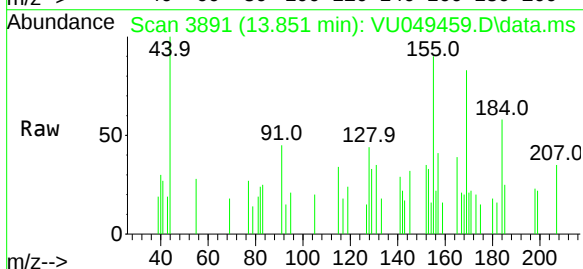
Instrument :
MSVOA_U
ClientSampleId :
DUP04-20220621

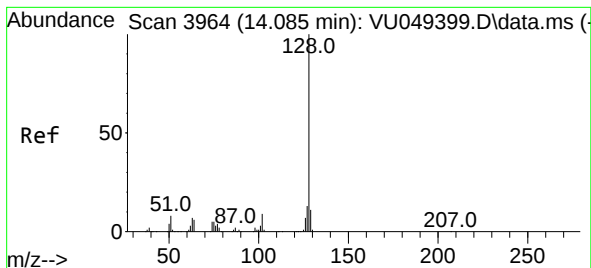
Tgt Ion: 75 Resp: 120590
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.768 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.013 min
Lab File: VU049459.D
Acq: 28 Jun 2022 15:33

Tgt Ion:180 Resp: 73
Ion Ratio Lower Upper
180 100
182 330.1 47.9 143.6#
145 257.5 14.0 41.9#





#95

Naphthalene

Concen: 1.824 ug/l

RT: 14.095 min Scan# 3964

Delta R.T. 0.010 min

Lab File: VU049459.D

Acq: 28 Jun 2022 15:33

Instrument :

MSVOA_U

ClientSampleId :

DUP04-20220621

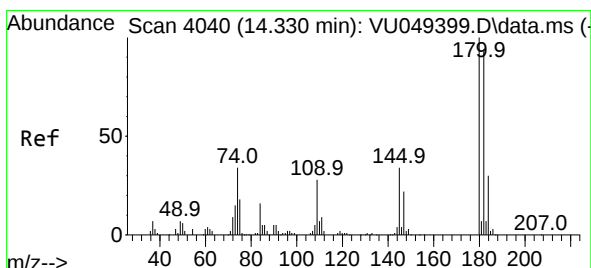
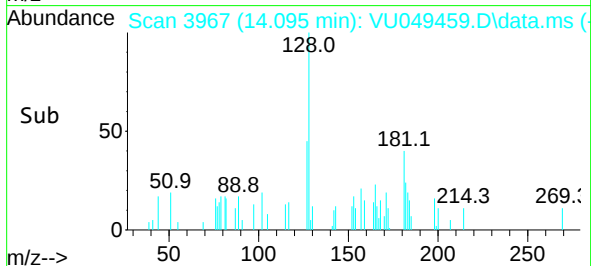
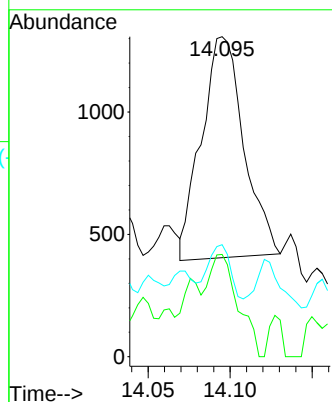
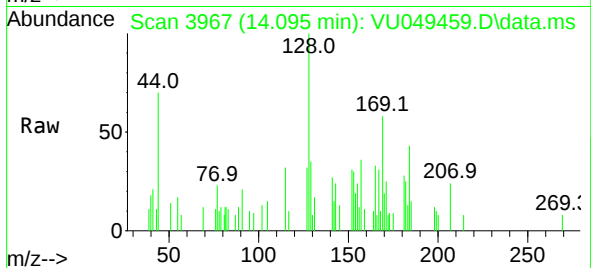
Tgt Ion:128 Resp: 1622

Ion Ratio Lower Upper

128 100

127 32.9 10.3 15.5#

129 15.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.220 ug/l

RT: 14.339 min Scan# 4043

Delta R.T. 0.010 min

Lab File: VU049459.D

Acq: 28 Jun 2022 15:33

Tgt Ion:180 Resp: 231

Ion Ratio Lower Upper

180 100

182 135.5 48.4 145.0

145 72.7 14.8 44.4#

