

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049458.D
 Acq On : 28 Jun 2022 15:10
 Operator : SY/MD
 Sample : N3458-03 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE122D2-20220621

Quant Time: Jun 29 05:21:44 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	299533	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	523851	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	478388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	231852	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	200528	43.470	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.940%
35) Dibromofluoromethane	5.289	113	161600	44.093	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.180%
50) Toluene-d8	7.896	98	630130	48.204	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.400%
62) 4-Bromofluorobenzene	10.632	95	237438	47.417	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.840%

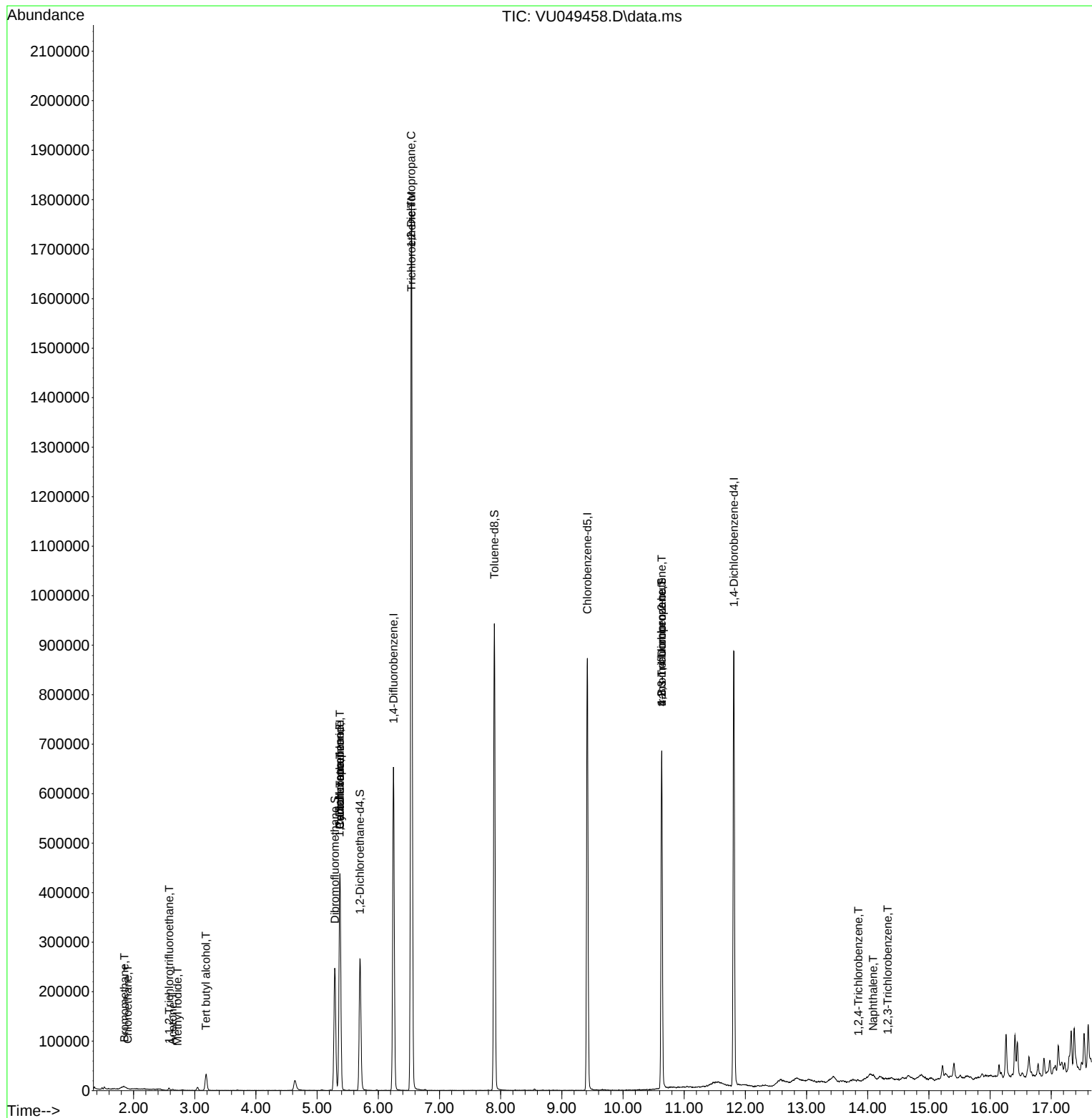
Target Compounds				Qvalue		
3) Chloromethane	1.523	50	3778	Below Cal		91
5) Bromomethane	1.851	94	397	0.263	ug/l #	62
6) Chloroethane	1.906	64	21	1.924	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.581	101	1468	0.442	ug/l	88
10) Methyl Iodide	2.716	142	147	7.551	ug/l #	43
11) Tert butyl alcohol	3.183	59	20237	18.743	ug/l #	37
16) Acetone	2.639	43	2552	1.097	ug/l	97
31) Cyclohexane	5.372	56	6754	0.975	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	24510	4.612	ug/l #	48
38) Carbon Tetrachloride	5.372	117	30464	5.466	ug/l #	16
44) Trichloroethene	6.543	130	597190	156.575	ug/l	86
45) 1,2-Dichloropropane	6.536	63	2095	0.471	ug/l #	1
76) 1,2,3-Trichloropropane	10.632	75	120312	15.308	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.632	75	120312	56.530	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.848	180	303	1.810	ug/l #	51
95) Naphthalene	14.089	128	4065	1.952	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.327	180	305	1.233	ug/l #	48

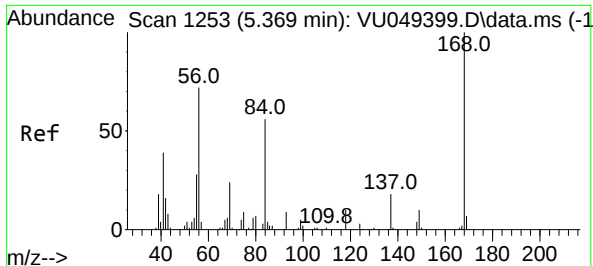
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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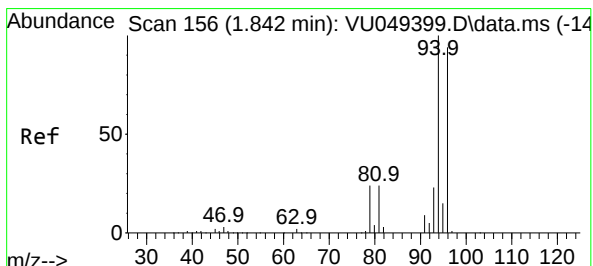
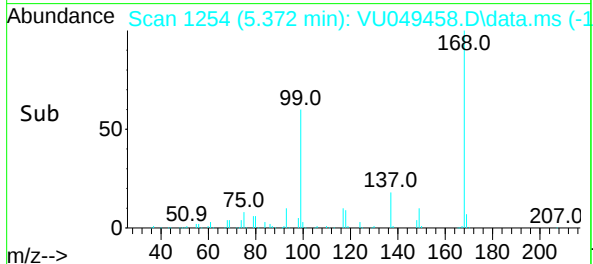
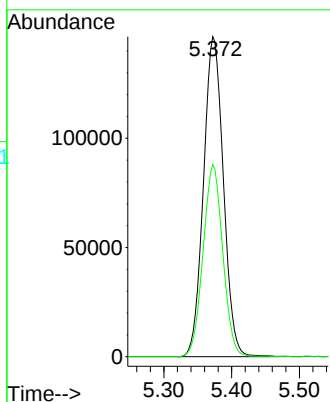
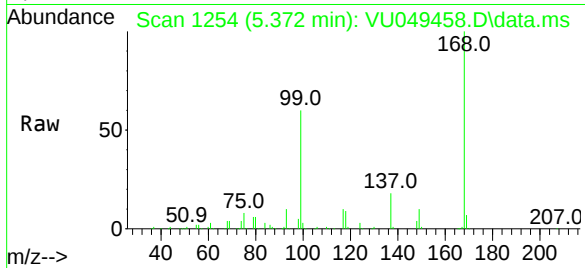




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

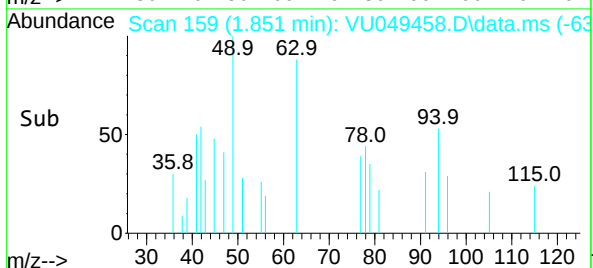
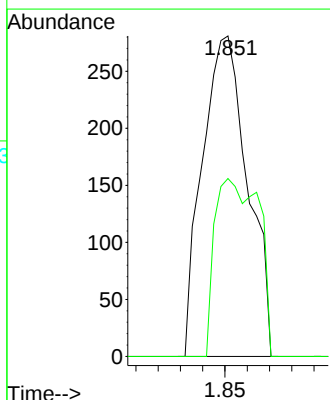
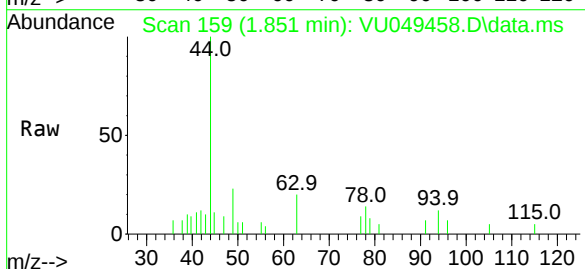
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621

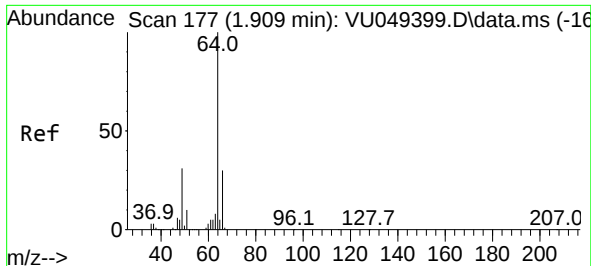
Tgt Ion:168 Resp: 299533
Ion Ratio Lower Upper
168 100
99 60.1 39.3 58.9#



#5
Bromomethane
Concen: 0.263 ug/l
RT: 1.851 min Scan# 159
Delta R.T. 0.010 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

Tgt Ion: 94 Resp: 397
Ion Ratio Lower Upper
94 100
96 55.5 73.7 110.5#

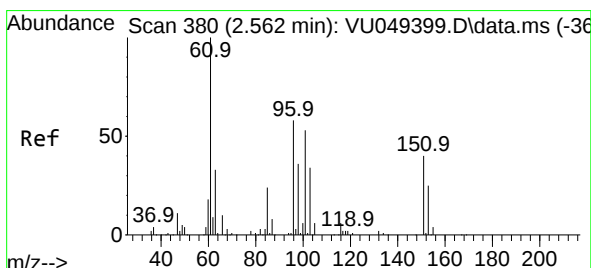
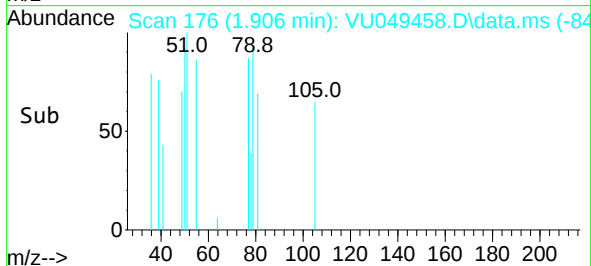
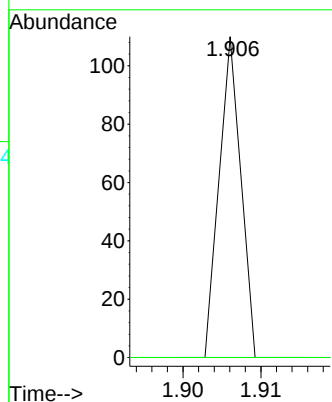
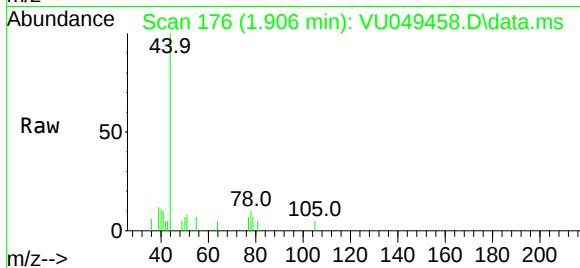




#6
Chloroethane
Concen: 1.924 ug/l
RT: 1.906 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

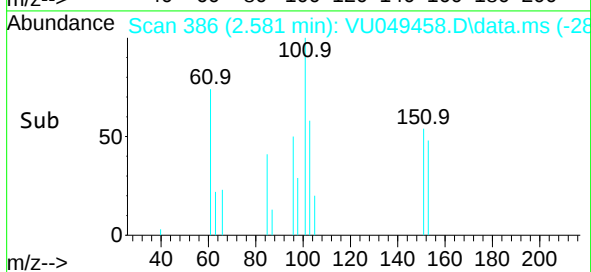
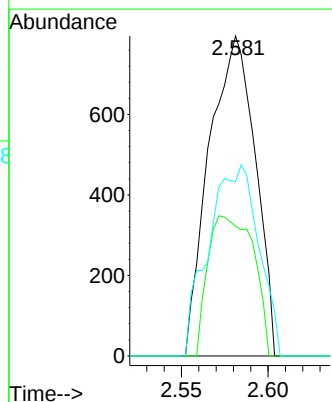
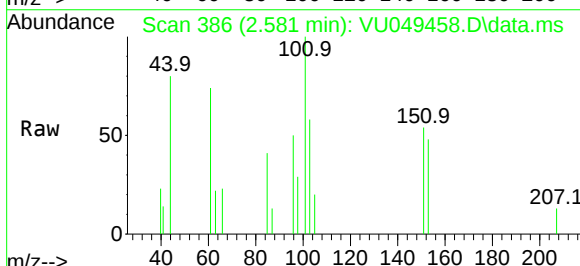
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621

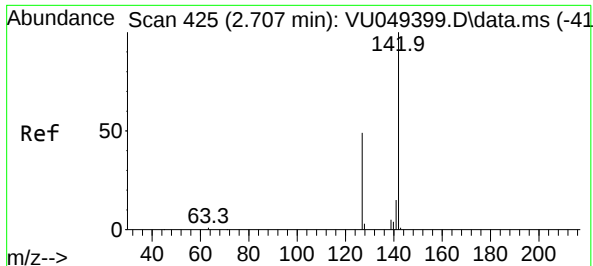
Tgt Ion: 64 Resp: 21
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.442 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.019 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

Tgt Ion:101 Resp: 1468
Ion Ratio Lower Upper
101 100
85 43.3 33.9 50.9
151 64.9 64.0 96.0

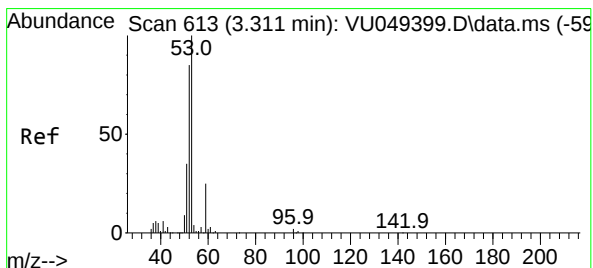
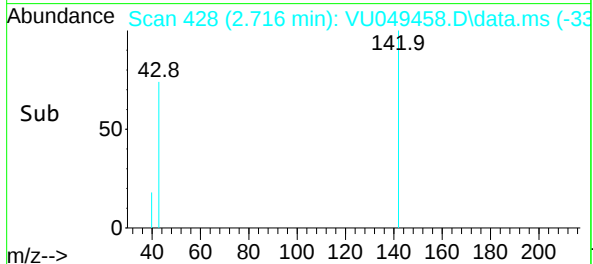
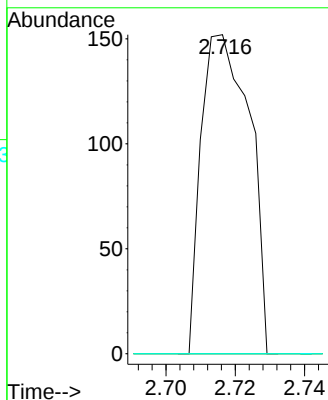
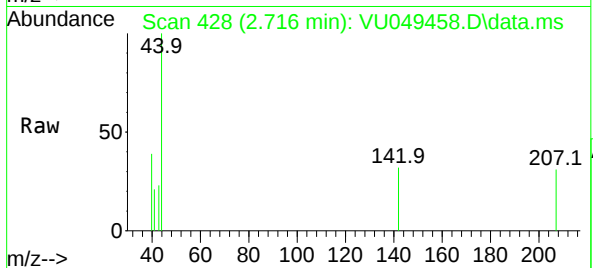




#10
Methyl Iodide
Concen: 7.551 ug/l
RT: 2.716 min Scan# 41
Delta R.T. 0.010 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

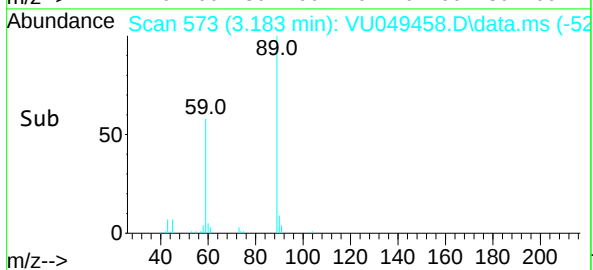
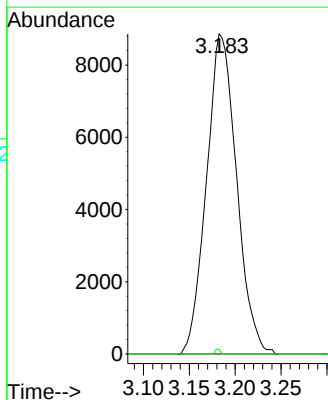
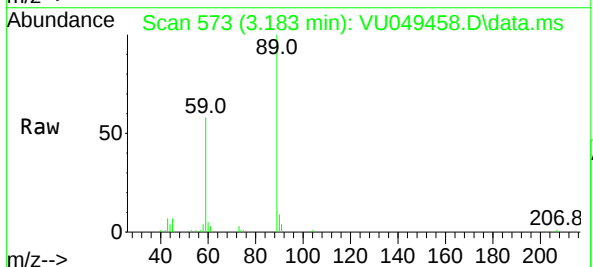
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621

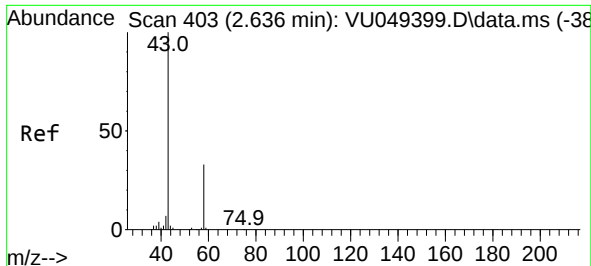
Tgt Ion:142 Resp: 147
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 18.743 ug/l
RT: 3.183 min Scan# 573
Delta R.T. -0.128 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

Tgt Ion: 59 Resp: 20237
Ion Ratio Lower Upper
59 100
57 0.2 30.6 45.8#

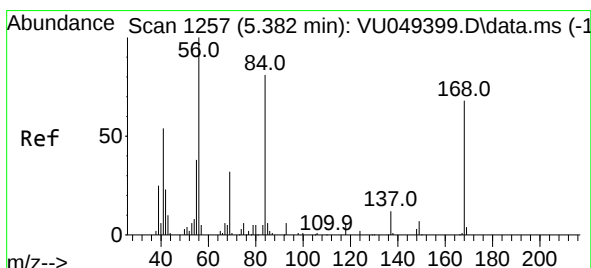
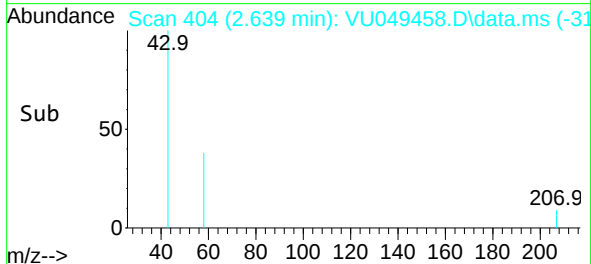
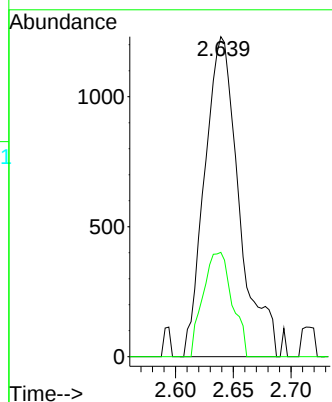
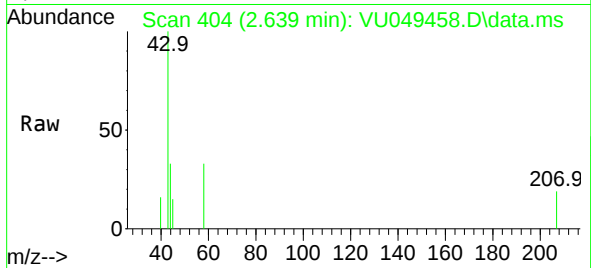




#16
Acetone
Concen: 1.097 ug/l
RT: 2.639 min Scan# 403
Delta R.T. 0.003 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

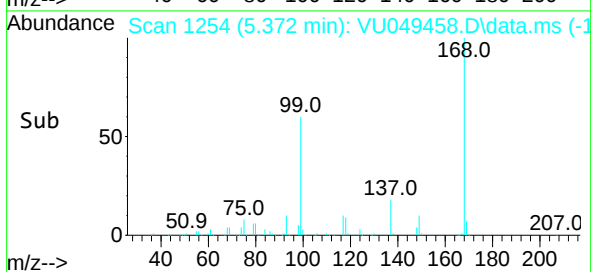
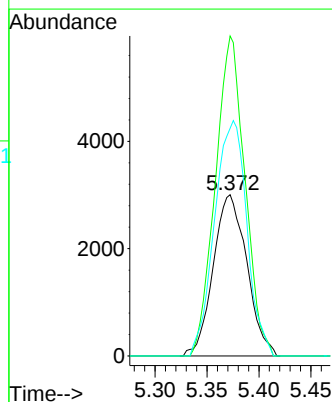
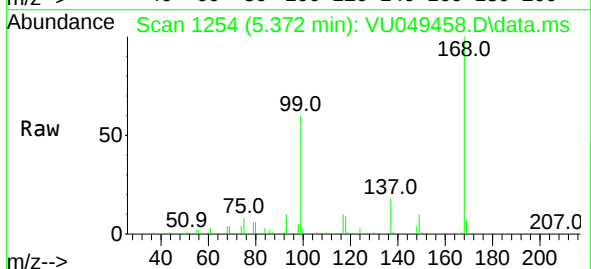
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621

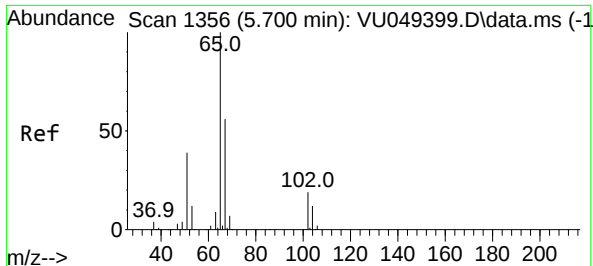
Tgt Ion: 43 Resp: 2552
Ion Ratio Lower Upper
43 100
58 32.6 27.5 41.3



#31
Cyclohexane
Concen: 0.975 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

Tgt Ion: 56 Resp: 6754
Ion Ratio Lower Upper
56 100
69 198.4 27.8 41.8#
84 141.2 74.2 111.4#

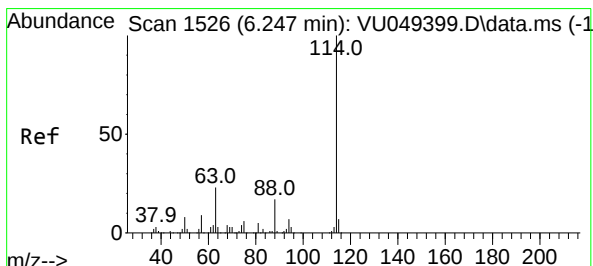
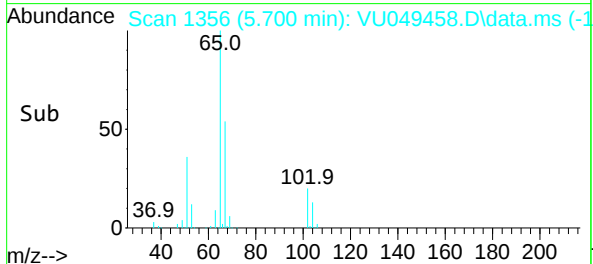
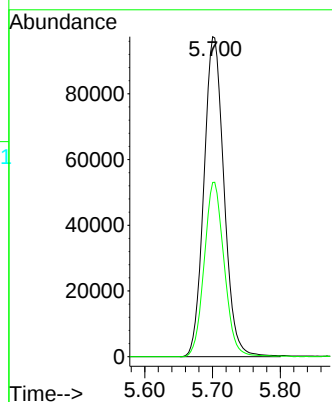
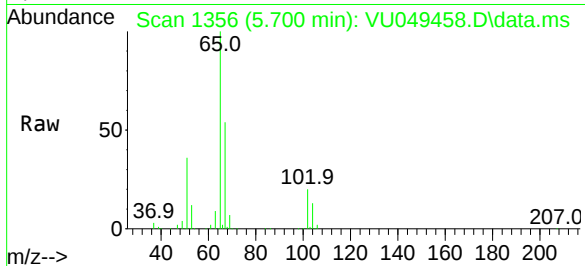




#33
 1,2-Dichloroethane-d4
 Concen: 43.470 ug/l
 RT: 5.700 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU049458.D
 Acq: 28 Jun 2022 15:10

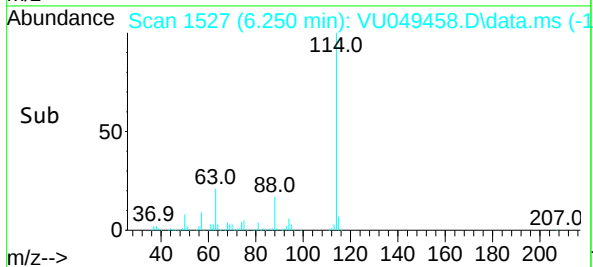
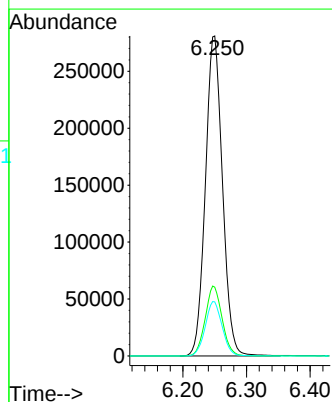
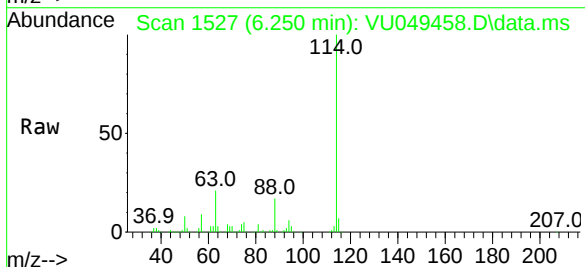
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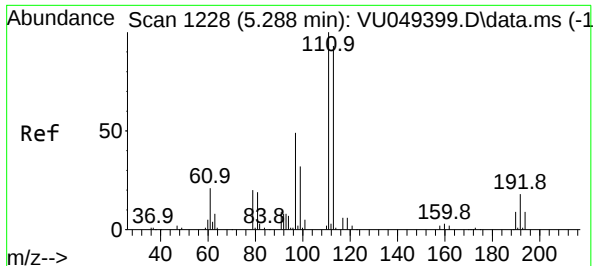
Tgt Ion: 65 Resp: 200528
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.250 min Scan# 1527
 Delta R.T. 0.003 min
 Lab File: VU049458.D
 Acq: 28 Jun 2022 15:10

Tgt Ion: 114 Resp: 523851
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 37.8
 88 16.9 0.0 29.2

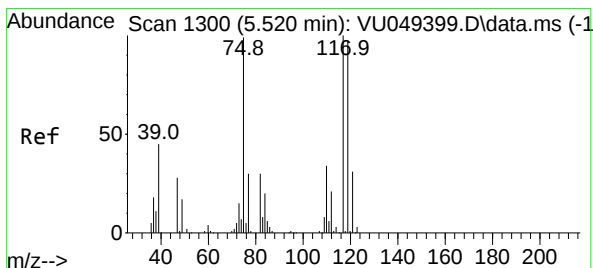
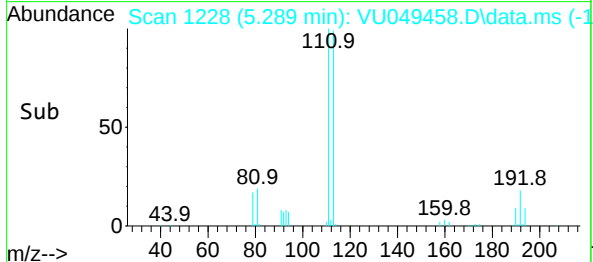
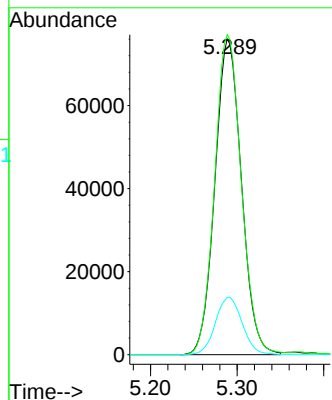
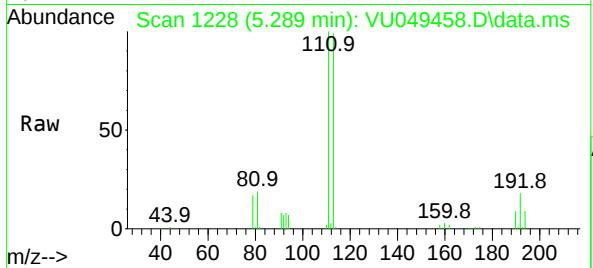




#35
Dibromofluoromethane
Concen: 44.093 ug/l
RT: 5.289 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

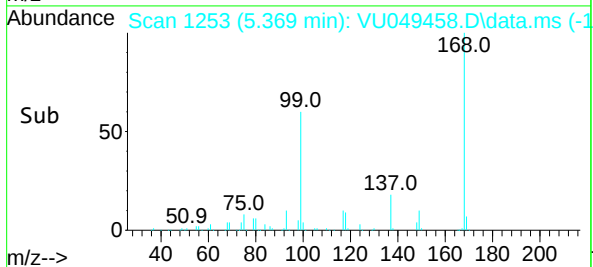
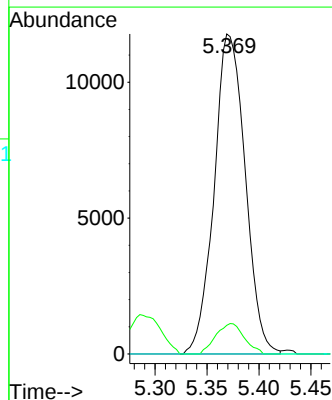
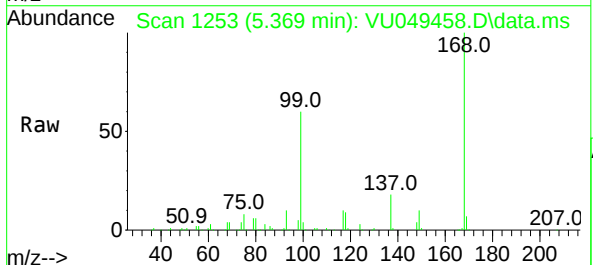
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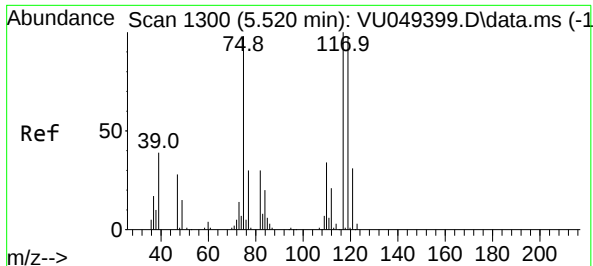
Tgt Ion:113 Resp: 161600
Ion Ratio Lower Upper
113 100
111 102.0 82.1 123.1
192 18.4 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.612 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.151 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

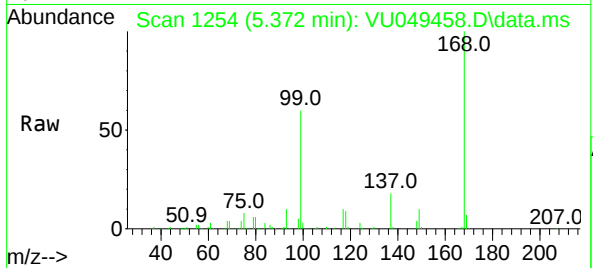
Tgt Ion: 75 Resp: 24510
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 25.1 37.7#



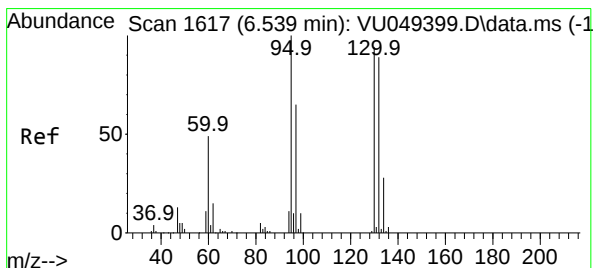
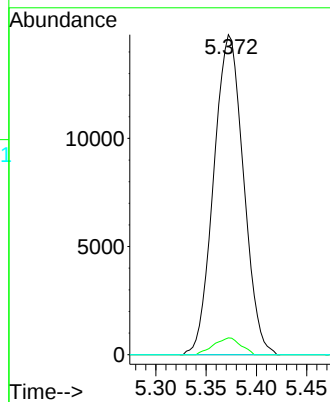
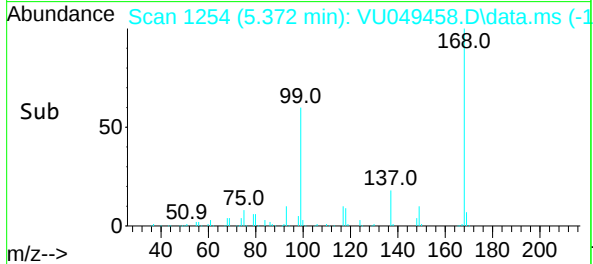


#38
Carbon Tetrachloride
Concen: 5.466 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621

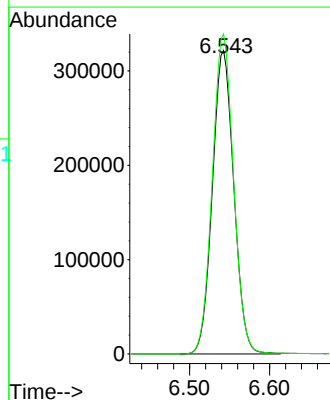
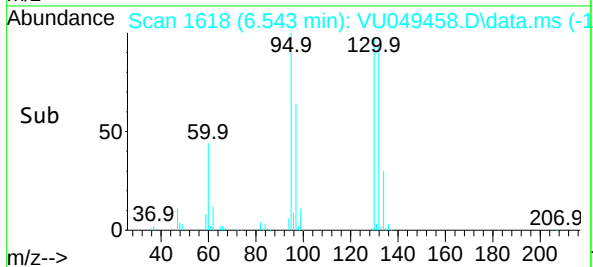
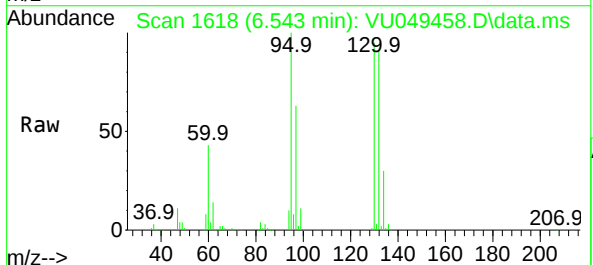


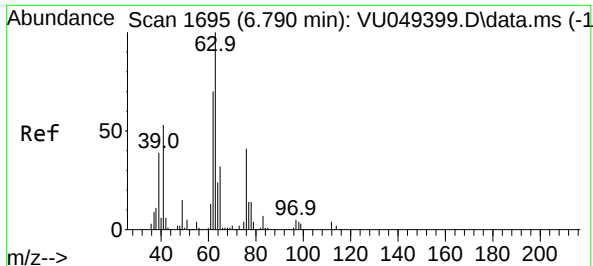
Tgt Ion:117 Resp: 30464
Ion Ratio Lower Upper
117 100
119 5.2 76.8 115.2#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 156.575 ug/l
RT: 6.543 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

Tgt Ion:130 Resp: 597190
Ion Ratio Lower Upper
130 100
95 105.5 0.0 184.6

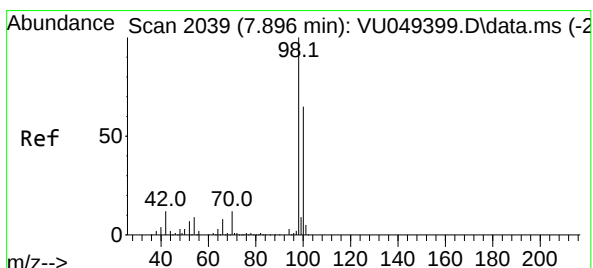
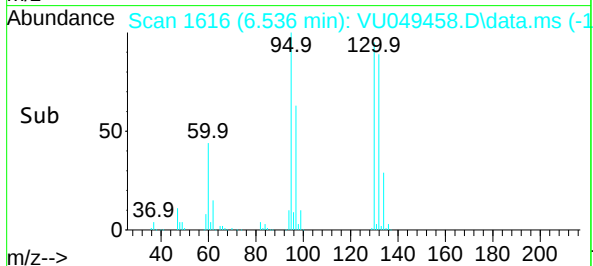
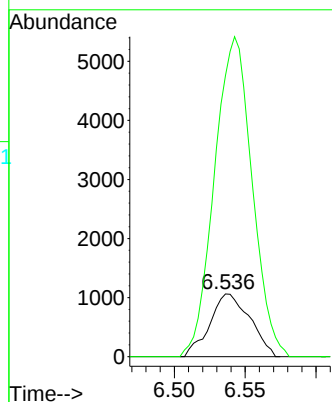
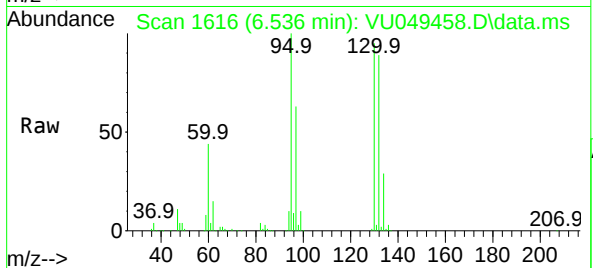




#45
1,2-Dichloropropane
Concen: 0.471 ug/l
RT: 6.536 min Scan# 1
Delta R.T. -0.254 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

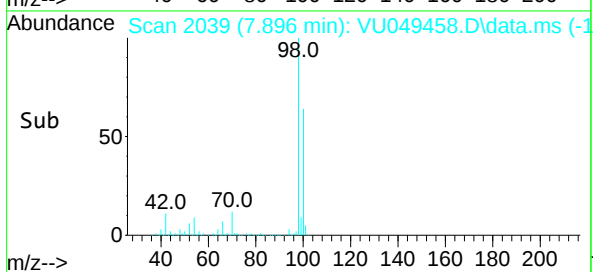
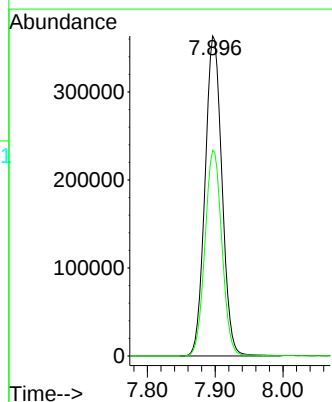
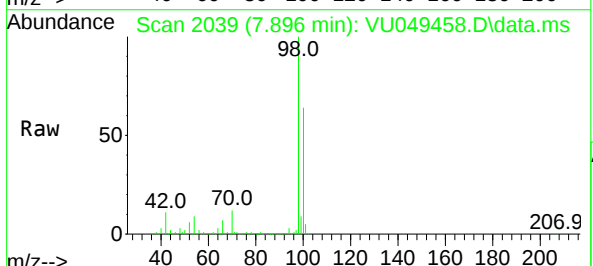
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621

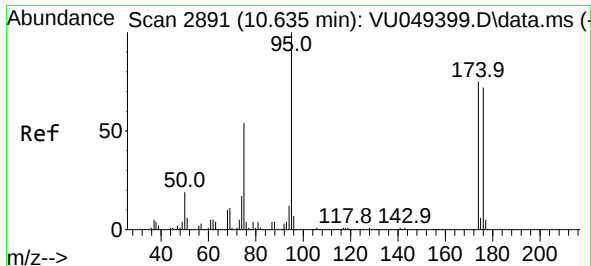
Tgt Ion: 63 Resp: 2095
Ion Ratio Lower Upper
63 100
65 448.5 25.0 37.4#



#50
Toluene-d8
Concen: 48.204 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

Tgt Ion: 98 Resp: 630130
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5

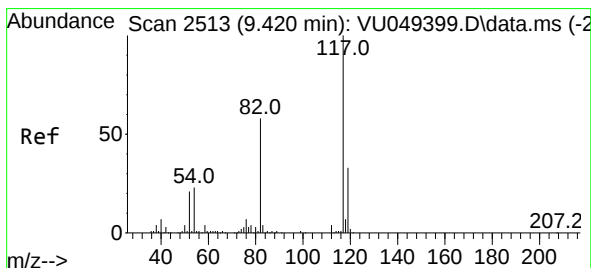
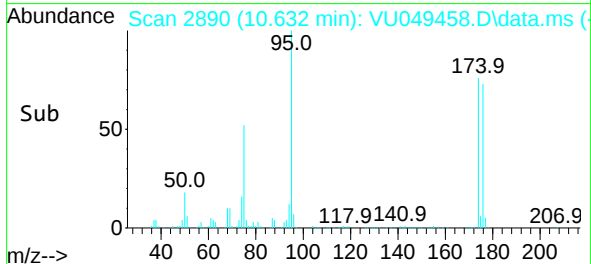
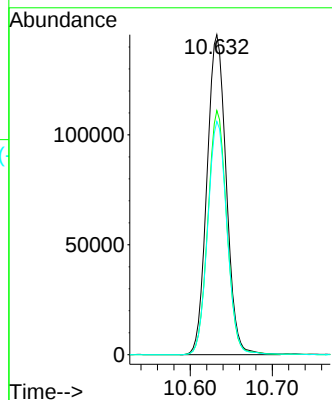
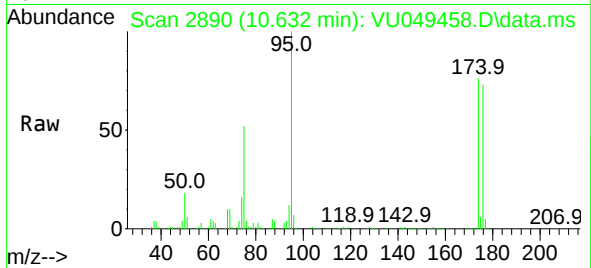




#62
4-Bromofluorobenzene
Concen: 47.417 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

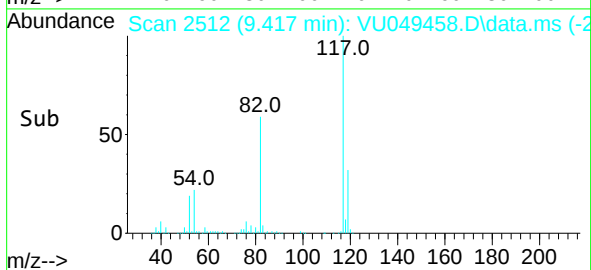
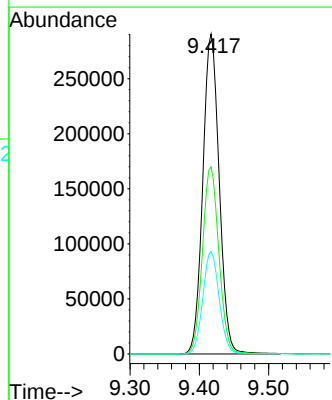
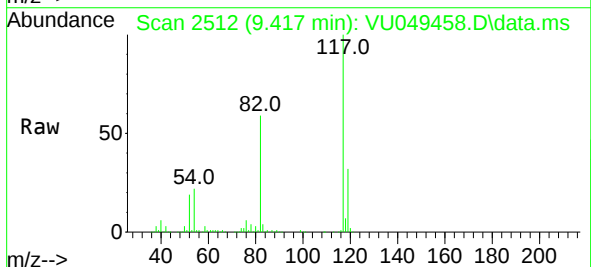
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621

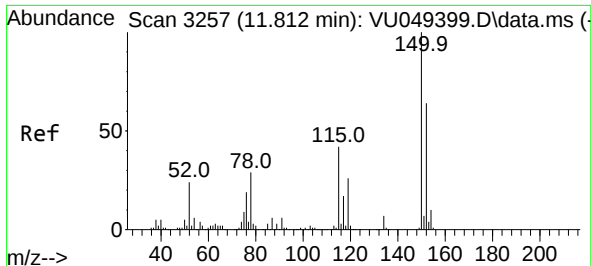
Tgt Ion: 95 Resp: 237438
Ion Ratio Lower Upper
95 100
174 75.0 0.0 182.0
176 72.7 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

Tgt Ion: 117 Resp: 478388
Ion Ratio Lower Upper
117 100
82 58.5 41.7 62.5
119 32.1 25.7 38.5

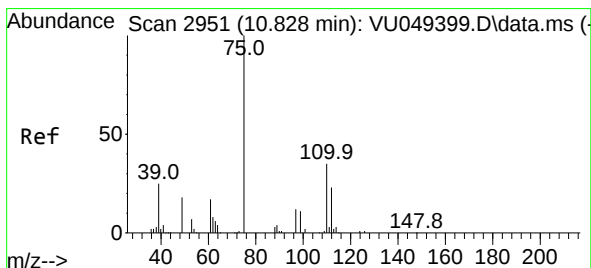
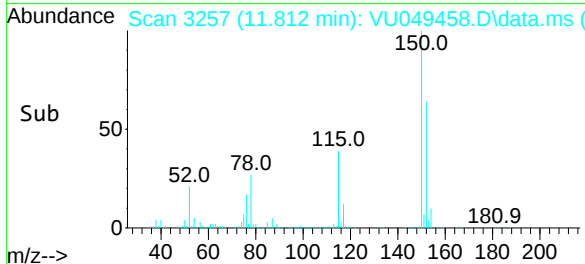
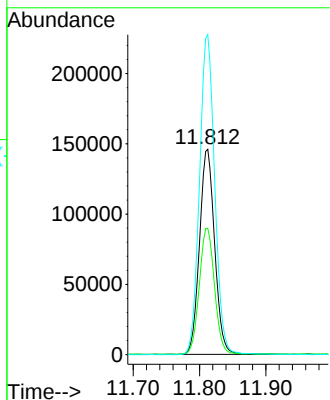
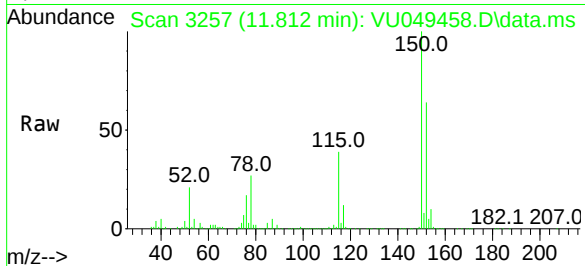




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

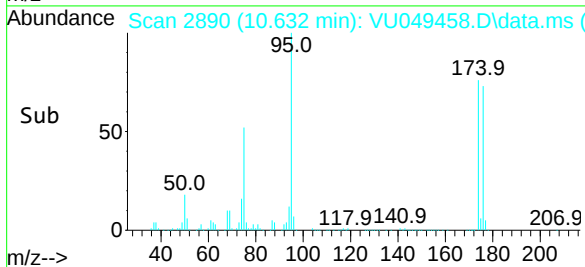
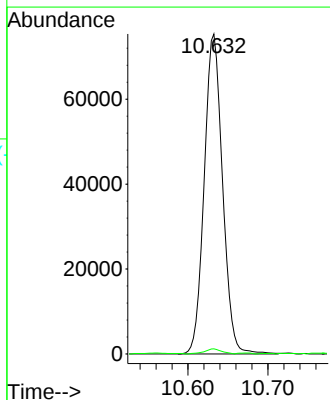
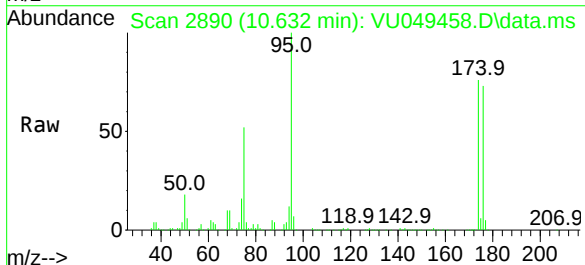
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621

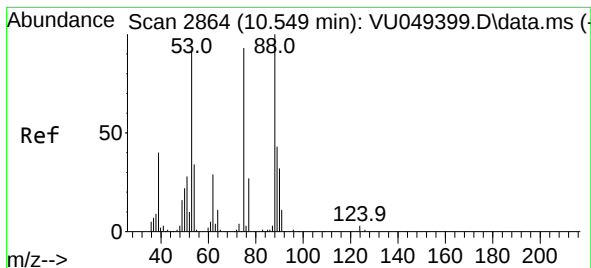
Tgt Ion:152 Resp: 231852
Ion Ratio Lower Upper
152 100
115 61.4 37.0 110.9
150 156.8 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 15.308 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

Tgt Ion: 75 Resp: 120312
Ion Ratio Lower Upper
75 100
77 1.5 15.8 47.3#

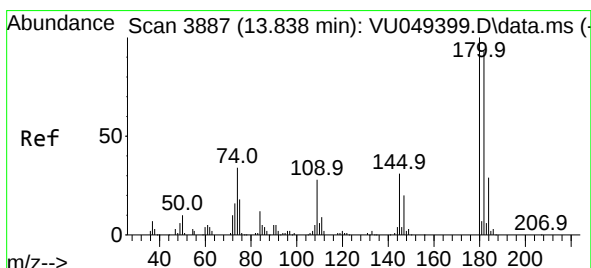
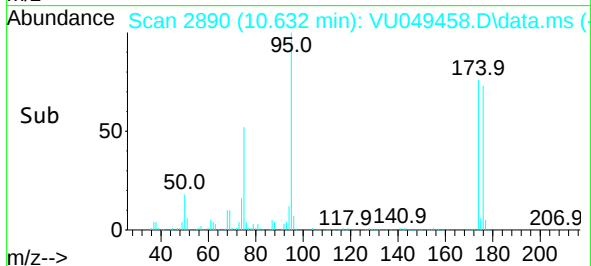
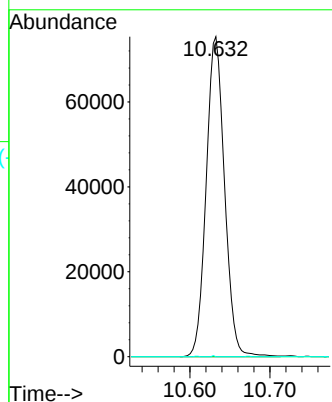
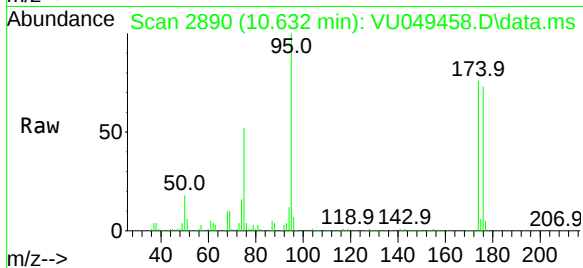




#81
trans-1,4-Dichloro-2-butene
Concen: 56.530 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.084 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

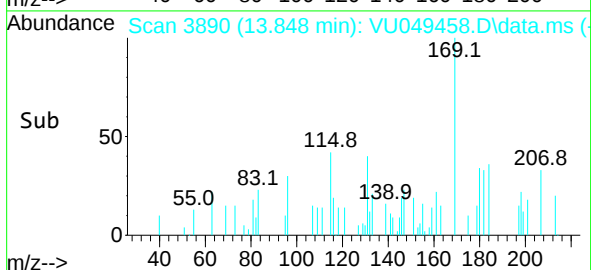
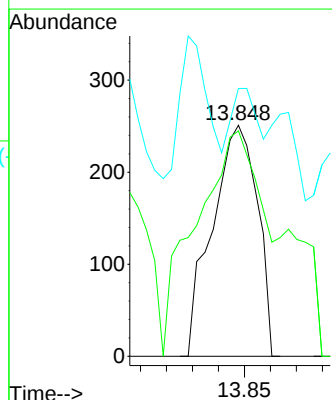
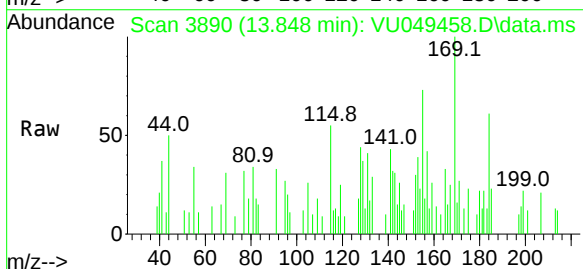
Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621

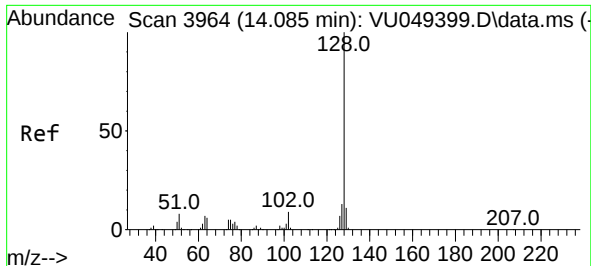
Tgt Ion: 75 Resp: 120312
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.810 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.010 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

Tgt Ion:180 Resp: 303
Ion Ratio Lower Upper
180 100
182 150.2 47.9 143.6#
145 14.9 14.0 41.9

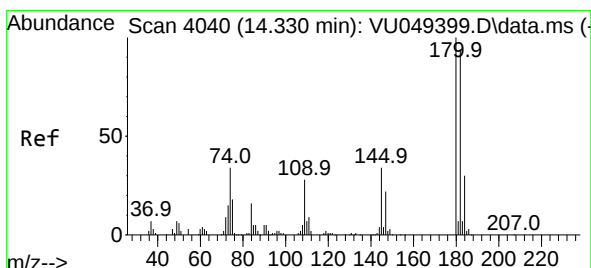
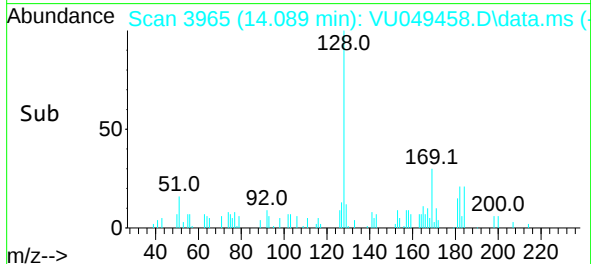
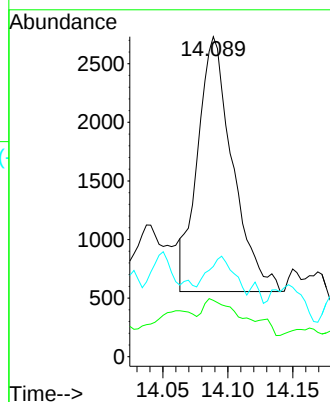
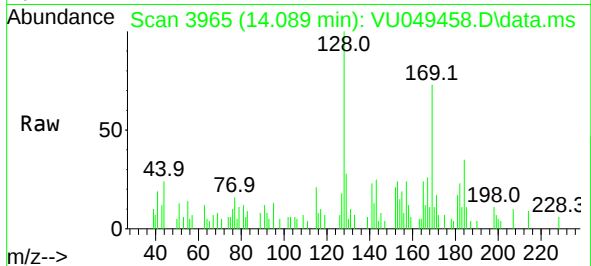




#95
Naphthalene
Concen: 1.952 ug/l
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

Instrument :
MSVOA_U
ClientSampleId :
RE122D2-20220621

Tgt Ion:128 Resp: 4065
Ion Ratio Lower Upper
128 100
127 7.0 10.3 15.5#
129 12.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.233 ug/l
RT: 14.327 min Scan# 4039
Delta R.T. -0.003 min
Lab File: VU049458.D
Acq: 28 Jun 2022 15:10

Tgt Ion:180 Resp: 305
Ion Ratio Lower Upper
180 100
182 157.7 48.4 145.0#
145 40.0 14.8 44.4

