

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063022\
 Data File : VU049576.D
 Acq On : 30 Jun 2022 20:17
 Operator : SY/MD
 Sample : N3458-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE120D2-20220622

Quant Time: Jul 01 05:27:45 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)

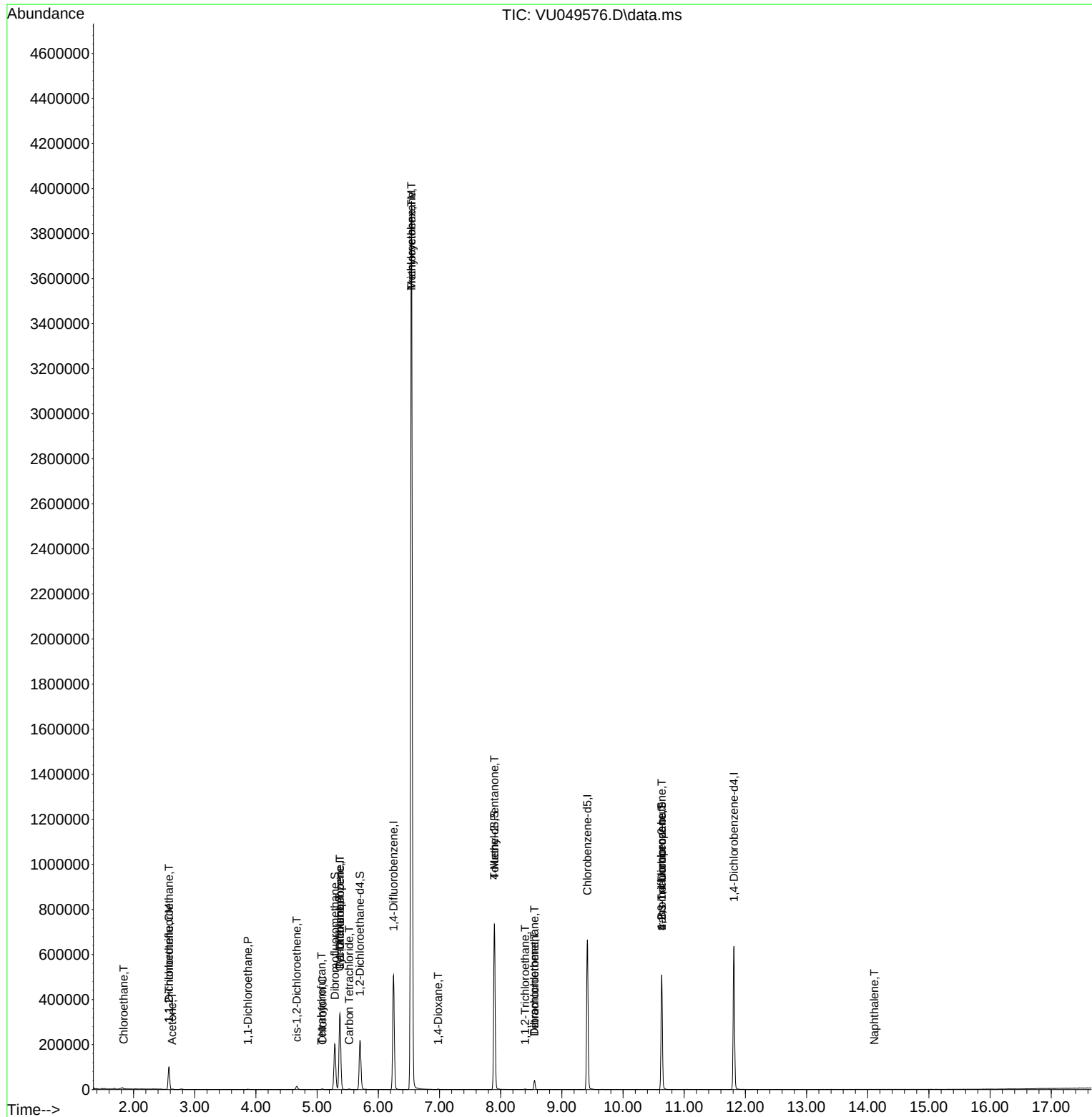
Internal Standards						
1) Pentafluorobenzene	5.372	168	228723	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	403433	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	364333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	166167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	163312	46.363	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.720%
35) Dibromofluoromethane	5.288	113	129279	45.803	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.600%
50) Toluene-d8	7.896	98	485791	48.255	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.500%
62) 4-Bromofluorobenzene	10.632	95	173374	44.957	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.920%
Target Compounds						
						Qvalue
3) Chloromethane	1.520	50	2449	Below Cal		98
6) Chloroethane	1.838	64	20	1.927	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.578	101	34281	13.511	ug/l	93
12) 1,1-Dichloroethene	2.578	96	4865	1.958	ug/l #	77
16) Acetone	2.629	43	1211	0.682	ug/l #	81
20) Methylene Chloride	3.044	84	232	Below Cal	#	83
24) 1,1-Dichloroethane	3.867	63	2308	0.419	ug/l #	82
27) cis-1,2-Dichloroethene	4.668	96	7338	2.372	ug/l	97
29) Tetrahydrofuran	5.073	42	550	0.301	ug/l #	45
30) Chloroform	5.089	83	2051	0.377	ug/l	99
31) Cyclohexane	5.369	56	4712	0.891	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	18769	4.586	ug/l #	48
38) Carbon Tetrachloride	5.523	117	1913	0.446	ug/l #	89
39) Methylcyclohexane	6.539	83	17082	3.482	ug/l #	1
44) Trichloroethene	6.542	130	1301890	443.221	ug/l	86
49) 1,4-Dioxane	6.980	88	1787	18.163	ug/l #	2
51) 4-Methyl-2-Pentanone	7.896	43	2149	0.392	ug/l #	1
55) 1,1,2-Trichloroethane	8.401	97	959	0.316	ug/l #	85
60) Dibromochloromethane	8.552	129	8835	2.798	ug/l #	11
64) Tetrachloroethene	8.552	164	8965	3.836	ug/l	89
76) 1,2,3-Trichloropropane	10.632	75	88900	15.782	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.632	75	88900	58.282	ug/l #	15
95) Naphthalene	14.108	128	428	1.768	ug/l #	69

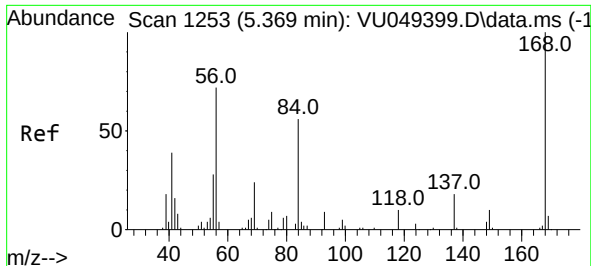
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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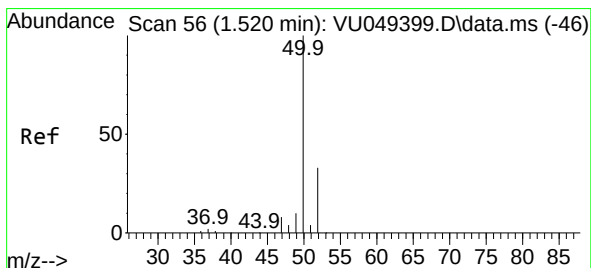
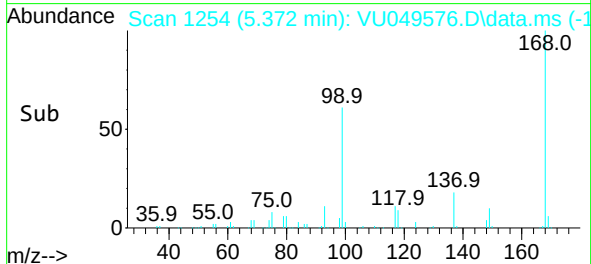
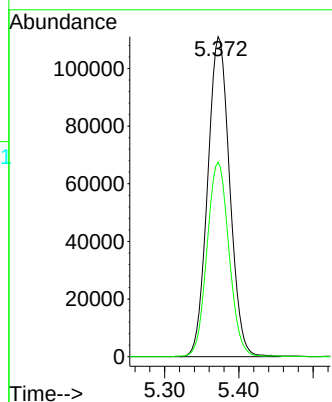
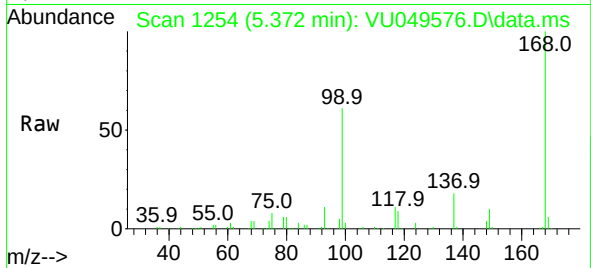




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

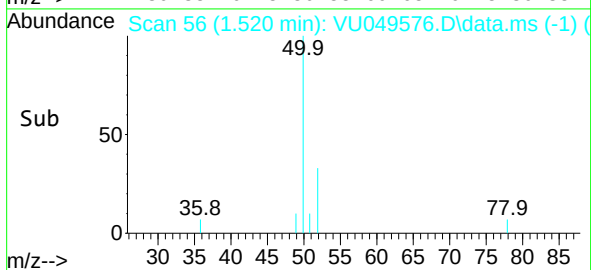
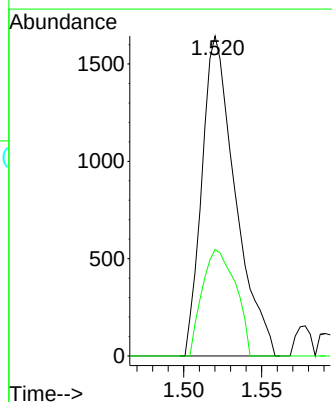
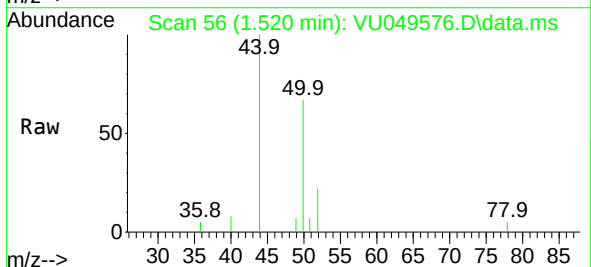
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622

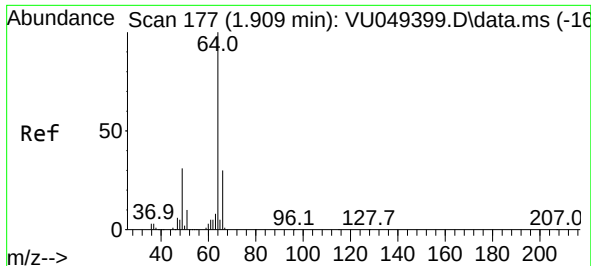
Tgt Ion:168 Resp: 228723
Ion Ratio Lower Upper
168 100
99 60.6 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

Tgt Ion: 50 Resp: 2449
Ion Ratio Lower Upper
50 100
52 33.3 27.4 41.2

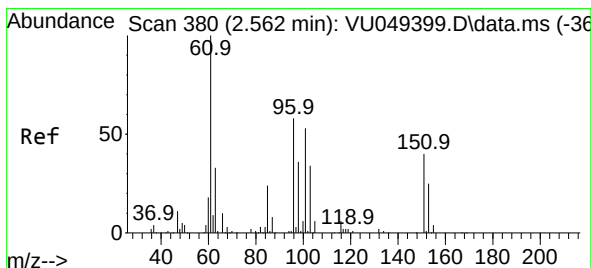
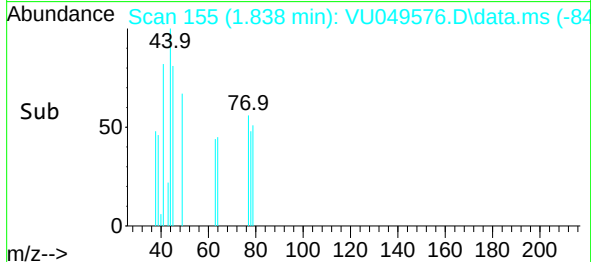
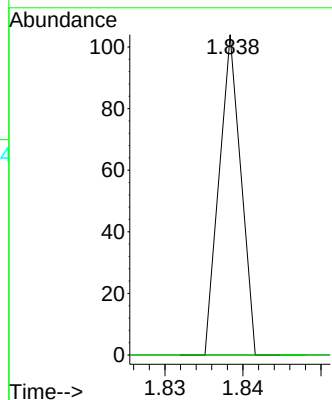
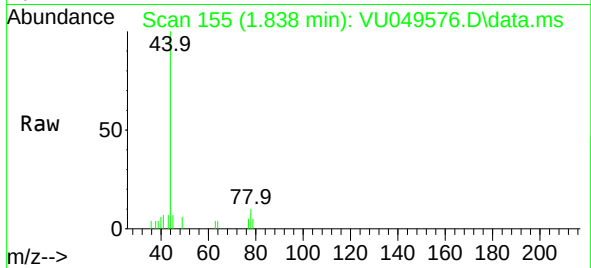




#6
Chloroethane
Concen: 1.927 ug/l
RT: 1.838 min Scan# 11
Delta R.T. -0.071 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

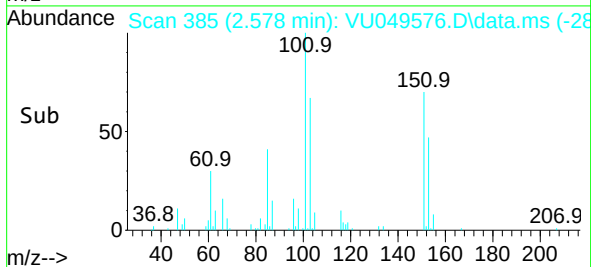
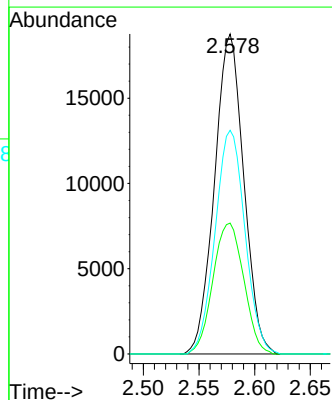
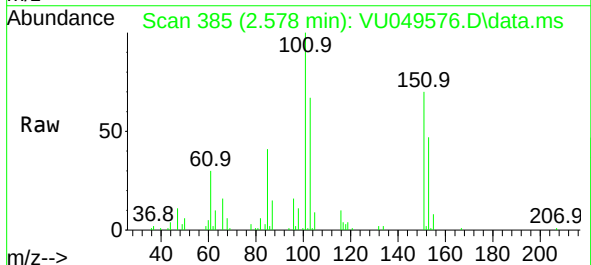
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622

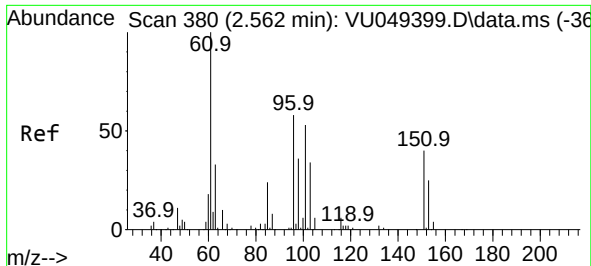
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 13.511 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.016 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

Tgt Ion:101 Resp: 34281
Ion Ratio Lower Upper
101 100
85 43.0 33.9 50.9
151 71.4 64.0 96.0





#12

1,1-Dichloroethene

Concen: 1.958 ug/l

RT: 2.578 min Scan# 380

Delta R.T. 0.016 min

Lab File: VU049576.D

Acq: 30 Jun 2022 20:17

Instrument :

MSVOA_U

ClientSampleId :

RE120D2-20220622

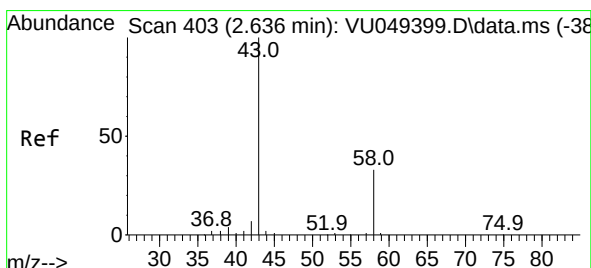
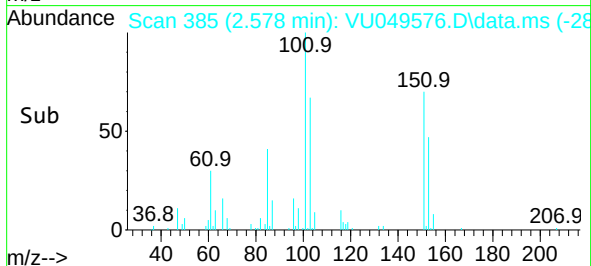
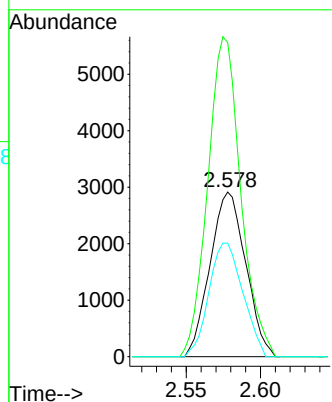
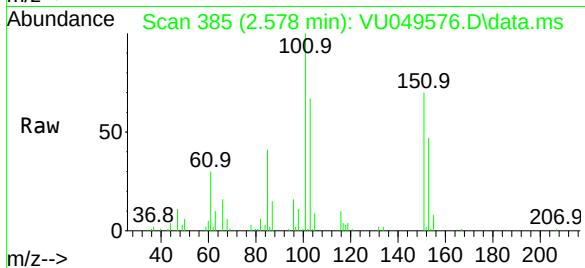
Tgt Ion: 96 Resp: 4865

Ion Ratio Lower Upper

96 100

61 190.7 122.2 183.2#

98 68.9 50.7 76.1



#16

Acetone

Concen: 0.682 ug/l

RT: 2.629 min Scan# 401

Delta R.T. -0.006 min

Lab File: VU049576.D

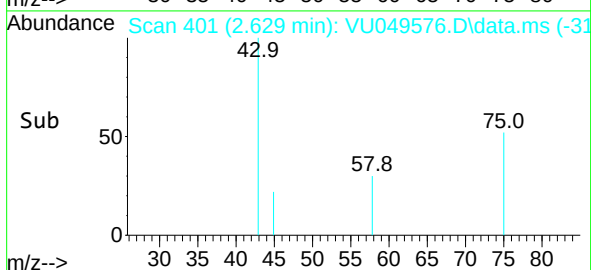
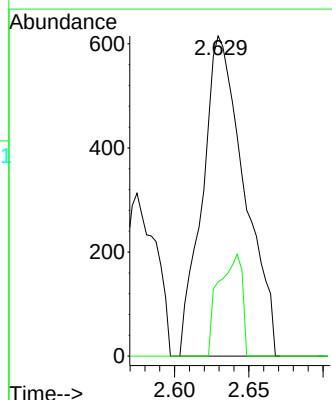
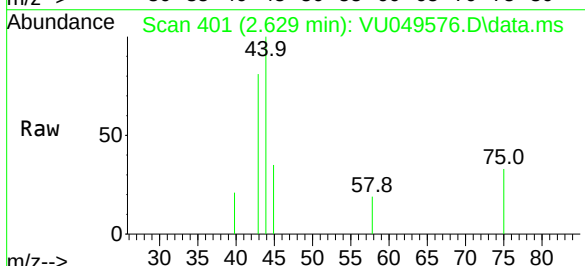
Acq: 30 Jun 2022 20:17

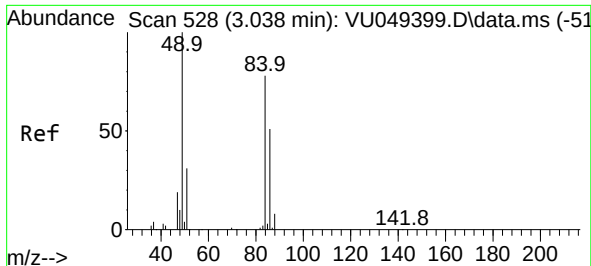
Tgt Ion: 43 Resp: 1211

Ion Ratio Lower Upper

43 100

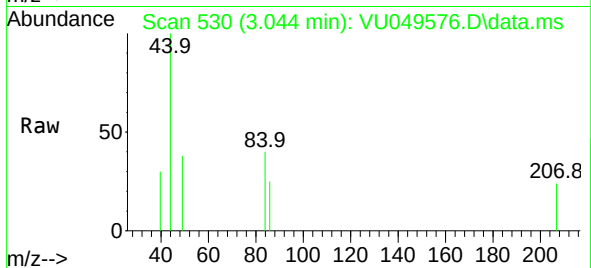
58 23.3 27.5 41.3#



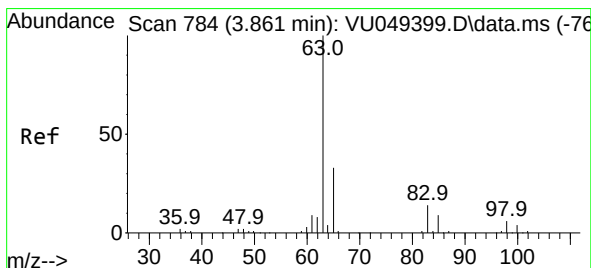
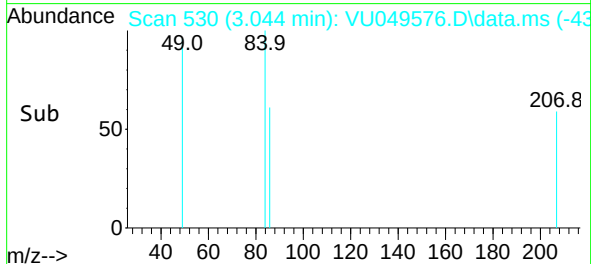
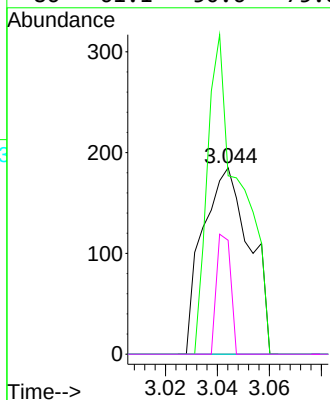


#20
Methylene Chloride
Concen: Below Cal
RT: 3.044 min Scan# 51
Delta R.T. 0.006 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622

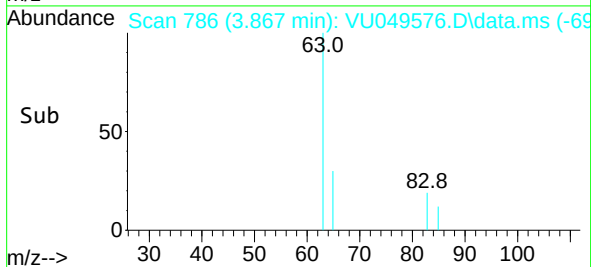
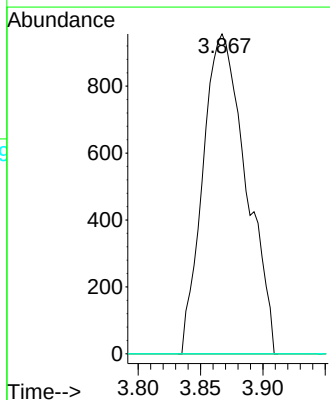
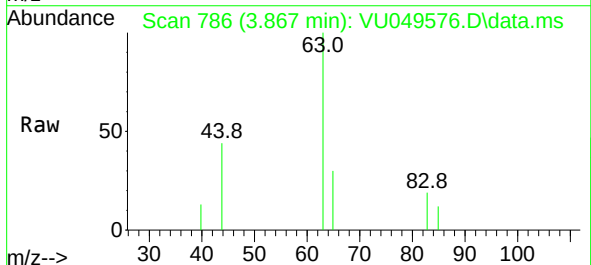


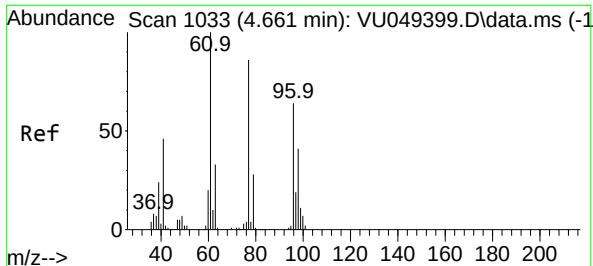
Tgt Ion: 84 Resp: 232
Ion Ratio Lower Upper
84 100
49 95.7 86.6 129.8
51 0.0 26.6 40.0#
86 61.1 50.6 75.8



#24
1,1-Dichloroethane
Concen: 0.419 ug/l
RT: 3.867 min Scan# 786
Delta R.T. 0.006 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

Tgt Ion: 63 Resp: 2308
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.9#
100 0.0 2.4 7.2#

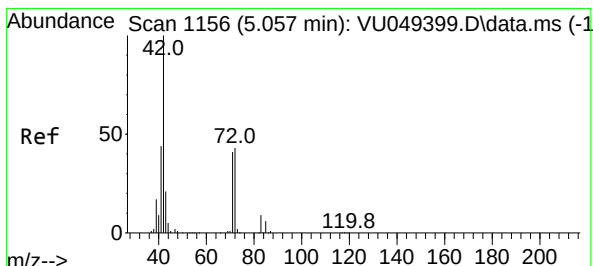
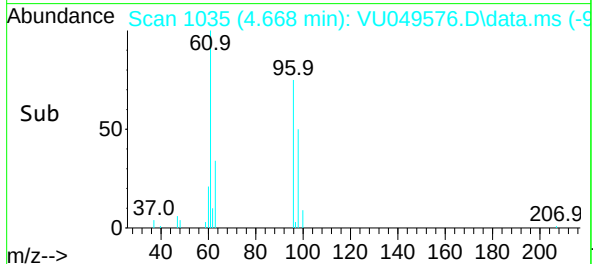
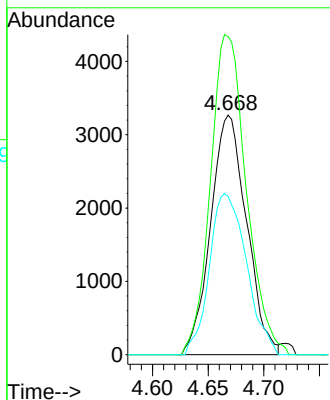
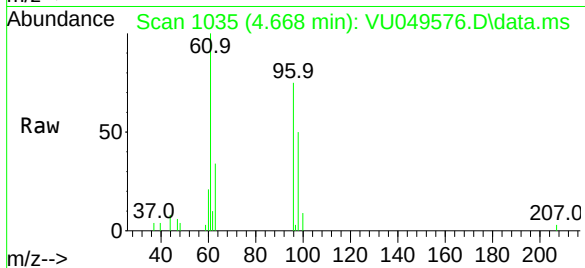




#27
 cis-1,2-Dichloroethene
 Concen: 2.372 ug/l
 RT: 4.668 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: VU049576.D
 Acq: 30 Jun 2022 20:17

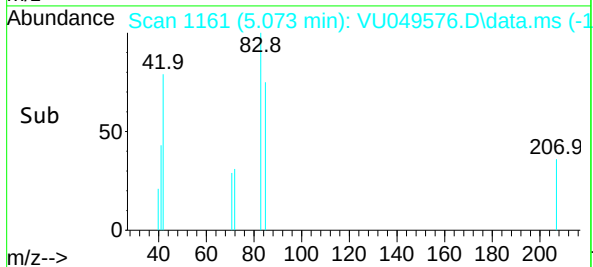
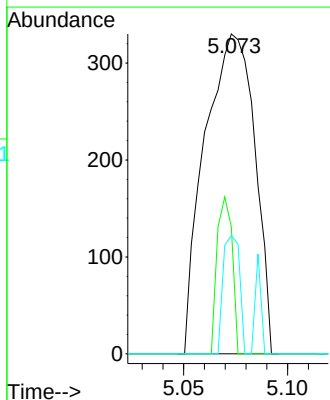
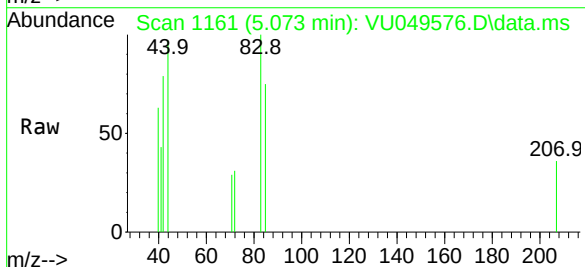
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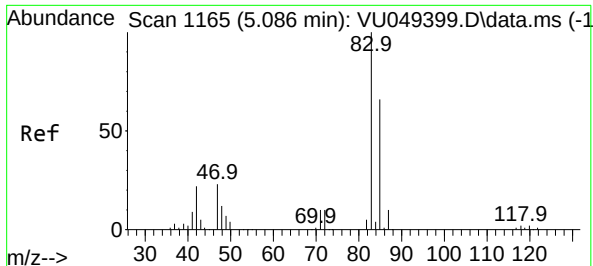
Tgt Ion: 96 Resp: 7338
 Ion Ratio Lower Upper
 96 100
 61 133.5 0.0 271.6
 98 69.3 0.0 128.2



#29
 Tetrahydrofuran
 Concen: 0.301 ug/l
 RT: 5.073 min Scan# 1161
 Delta R.T. 0.016 min
 Lab File: VU049576.D
 Acq: 30 Jun 2022 20:17

Tgt Ion: 42 Resp: 550
 Ion Ratio Lower Upper
 42 100
 72 14.9 42.6 63.8#
 71 12.2 40.3 60.5#





#30

Chloroform

Concen: 0.377 ug/l

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU049576.D

Acq: 30 Jun 2022 20:17

Instrument :

MSVOA_U

ClientSampleId :

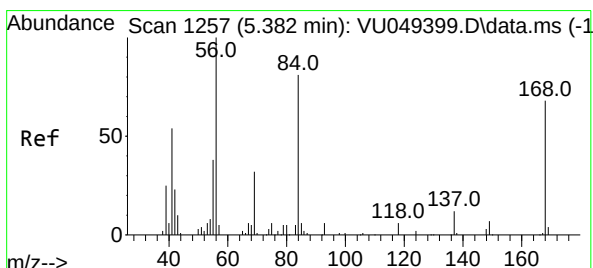
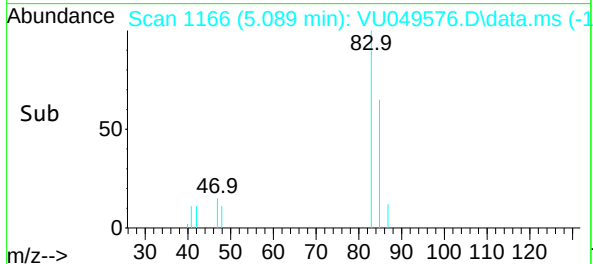
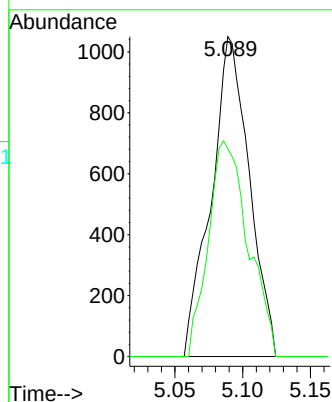
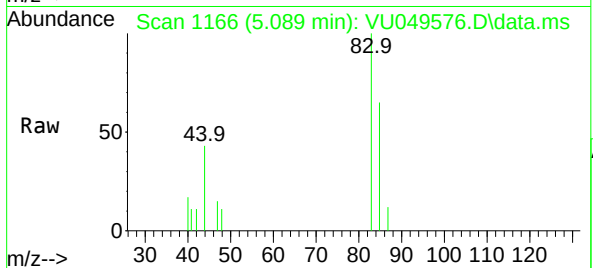
RE120D2-20220622

Tgt Ion: 83 Resp: 2051

Ion Ratio Lower Upper

83 100

85 65.0 51.2 76.8



#31

Cyclohexane

Concen: 0.891 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.013 min

Lab File: VU049576.D

Acq: 30 Jun 2022 20:17

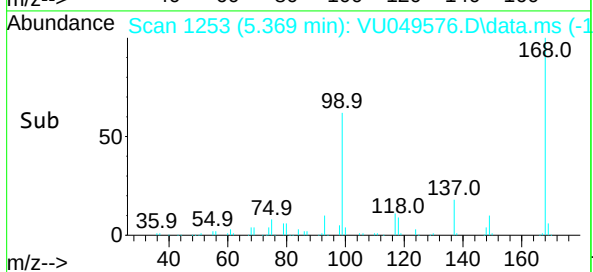
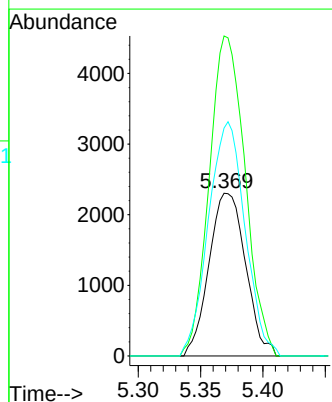
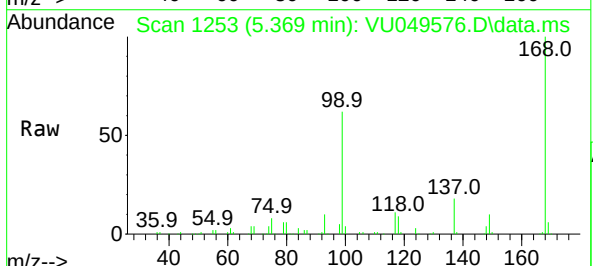
Tgt Ion: 56 Resp: 4712

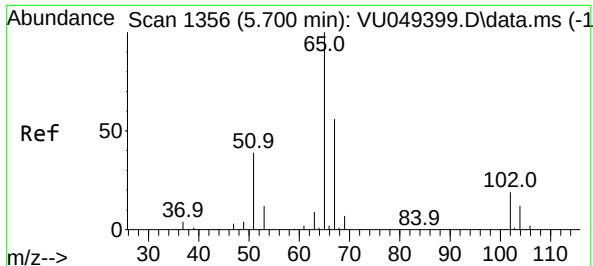
Ion Ratio Lower Upper

56 100

69 196.7 27.8 41.8#

84 140.0 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 46.363 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU049576.D

Acq: 30 Jun 2022 20:17

Instrument :

MSVOA_U

ClientSampleId :

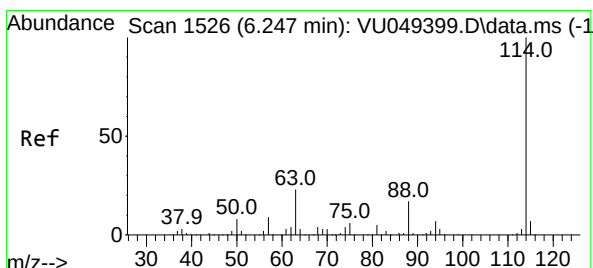
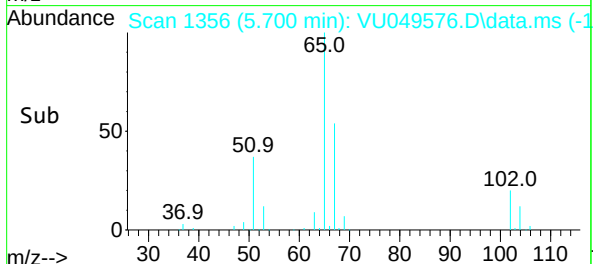
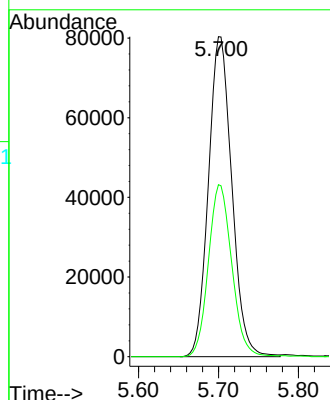
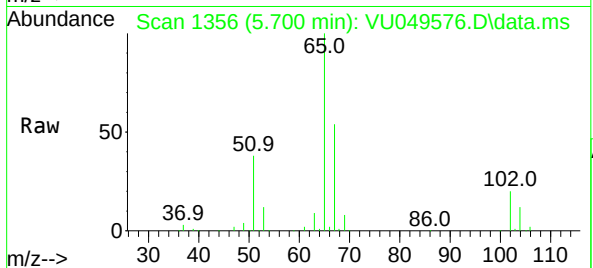
RE120D2-20220622

Tgt Ion: 65 Resp: 163312

Ion Ratio Lower Upper

65 100

67 53.6 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: VU049576.D

Acq: 30 Jun 2022 20:17

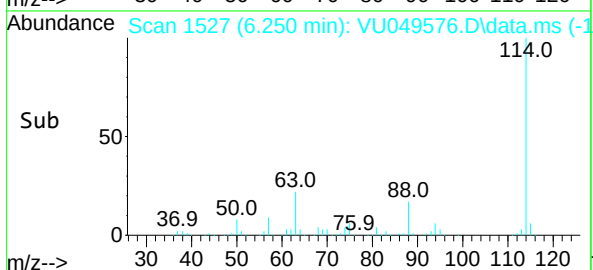
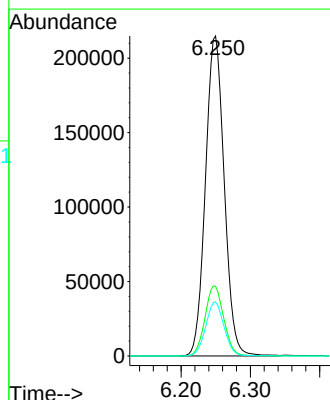
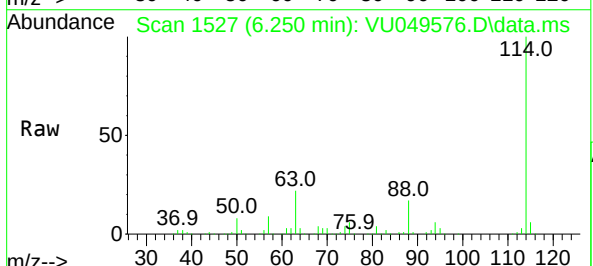
Tgt Ion: 114 Resp: 403433

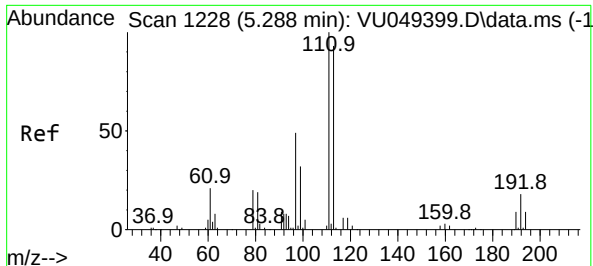
Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

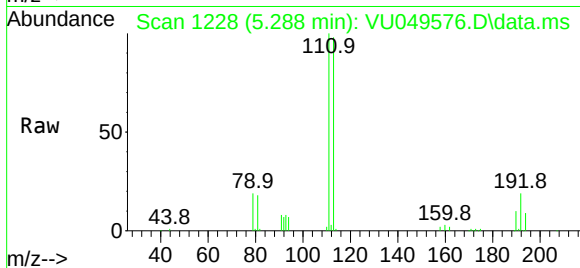
88 16.9 0.0 29.2



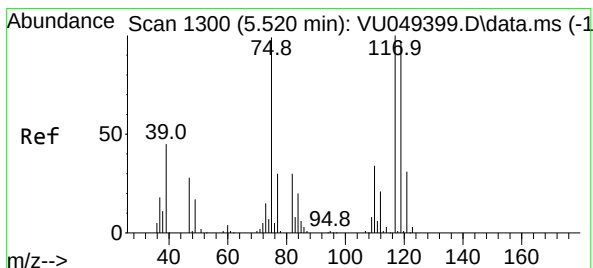
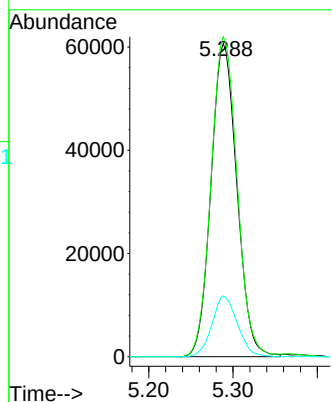
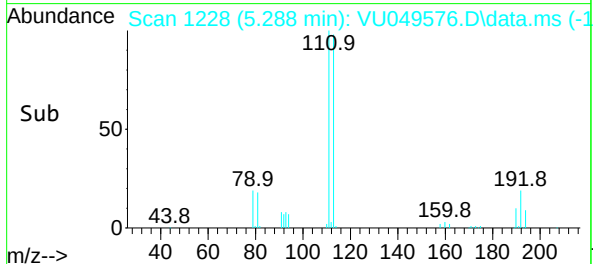


#35
Dibromofluoromethane
Concen: 45.803 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

Instrument :
MSVOA_U
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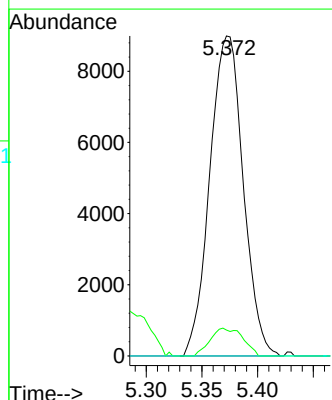
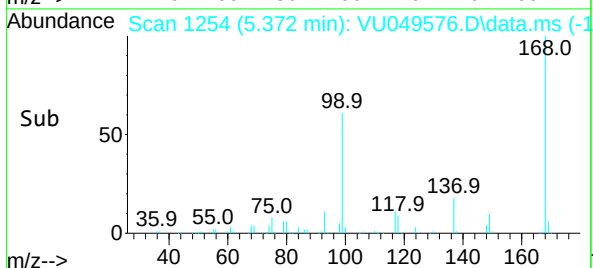
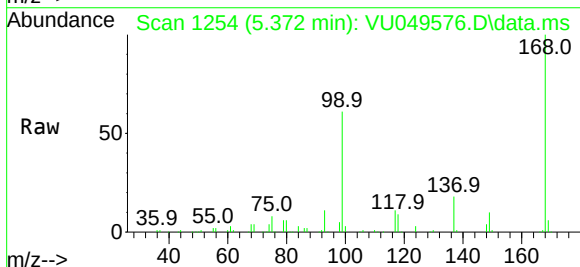


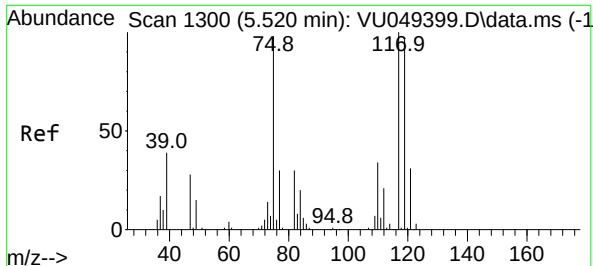
Tgt Ion:113 Resp: 129279
Ion Ratio Lower Upper
113 100
111 102.9 82.1 123.1
192 19.0 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.586 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

Tgt Ion: 75 Resp: 18769
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 25.1 37.7#

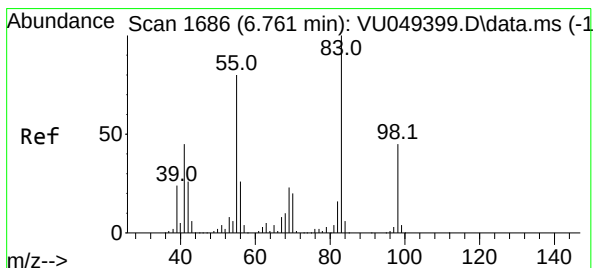
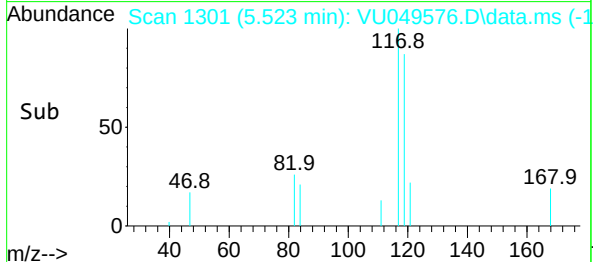
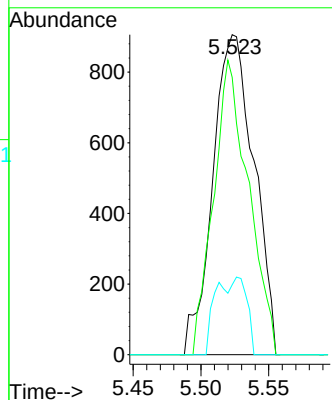
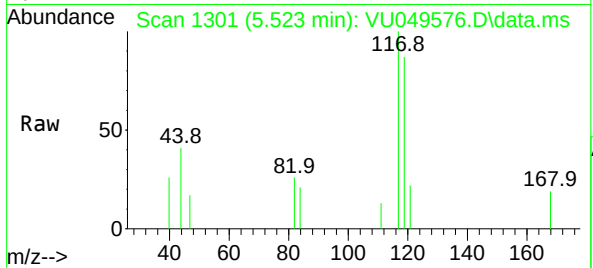




#38
Carbon Tetrachloride
Concen: 0.446 ug/l
RT: 5.523 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

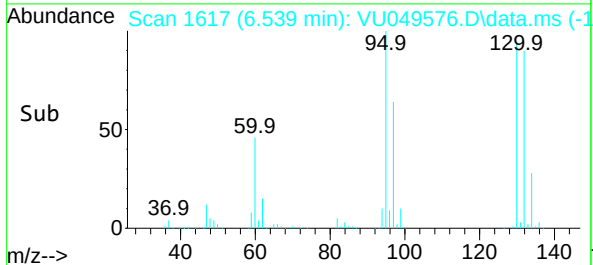
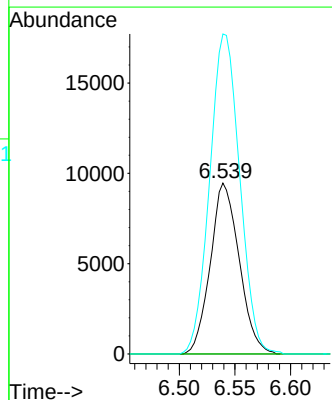
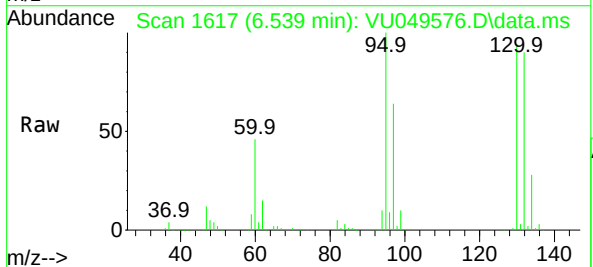
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622

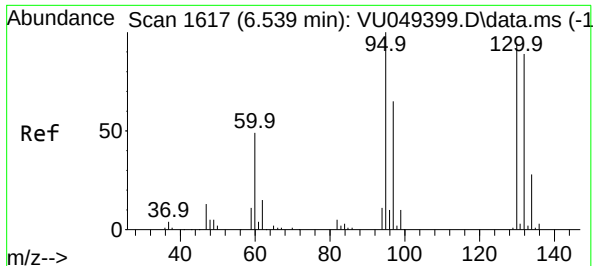
Tgt Ion:117 Resp: 1913
Ion Ratio Lower Upper
117 100
119 86.6 76.8 115.2
121 21.9 24.7 37.1#



#39
Methylcyclohexane
Concen: 3.482 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. -0.222 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

Tgt Ion: 83 Resp: 17082
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 186.0 37.3 55.9#

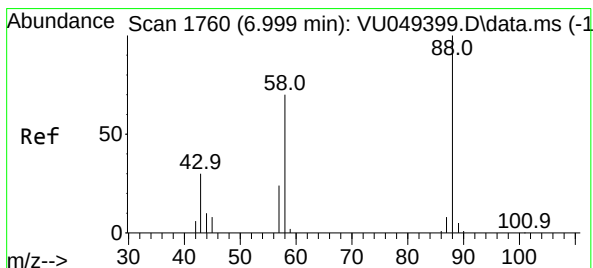
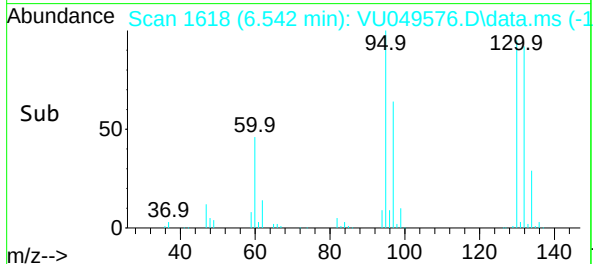
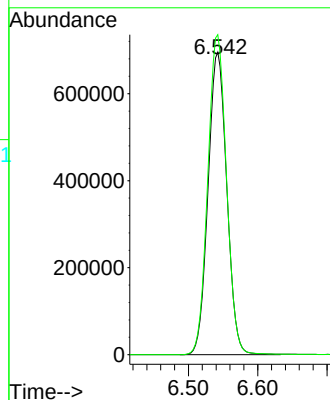
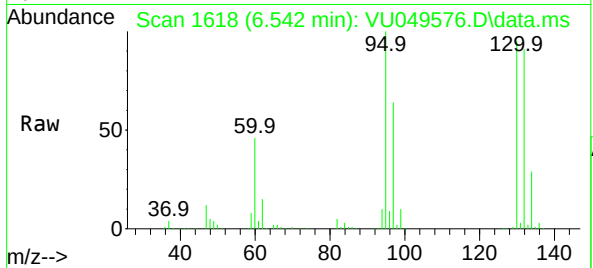




#44
Trichloroethene
Concen: 443.221 ug/l
RT: 6.542 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

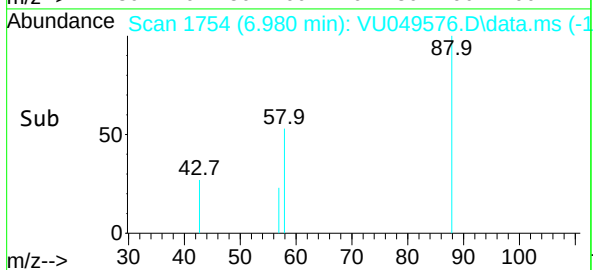
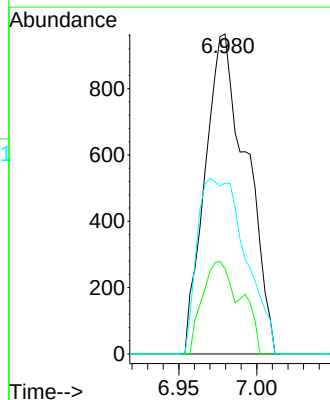
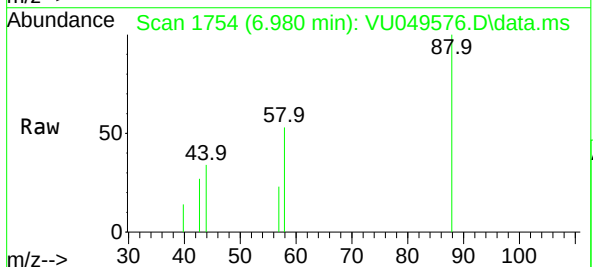
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622

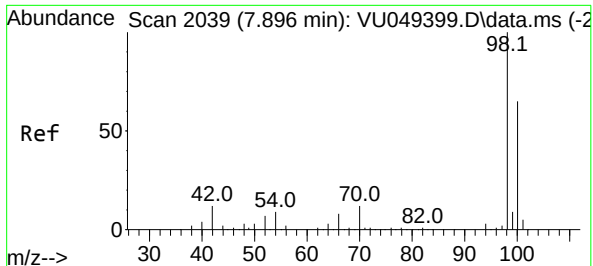
Tgt Ion:130 Resp: 1301890
Ion Ratio Lower Upper
130 100
95 105.8 0.0 184.6



#49
1,4-Dioxane
Concen: 18.163 ug/l
RT: 6.980 min Scan# 1754
Delta R.T. -0.019 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

Tgt Ion: 88 Resp: 1787
Ion Ratio Lower Upper
88 100
43 26.7 0.0 0.0#
58 63.5 15.4 23.0#

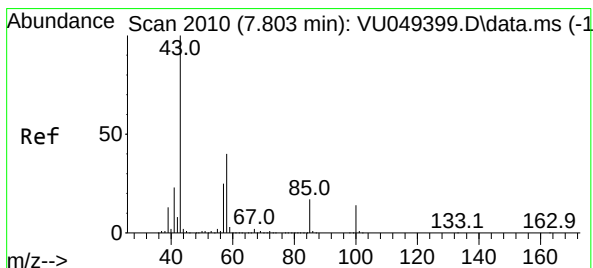
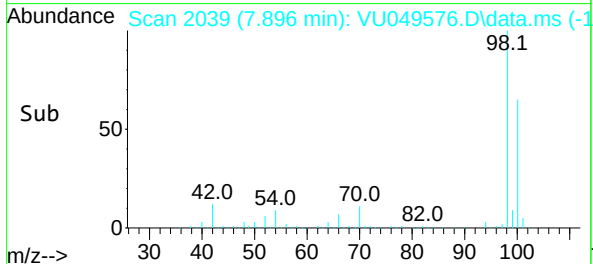
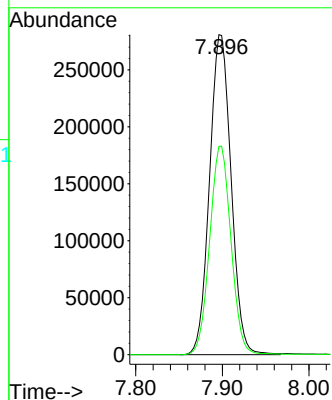
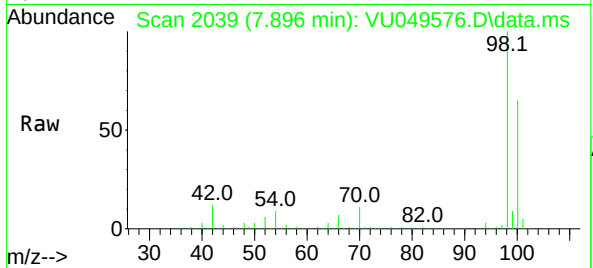




#50
Toluene-d8
Concen: 48.255 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

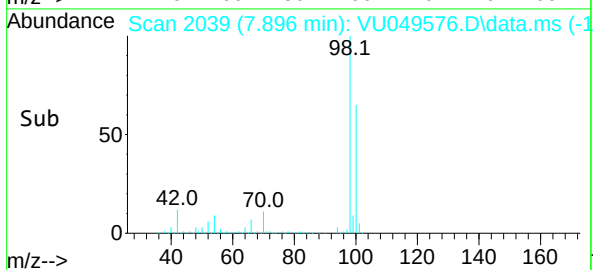
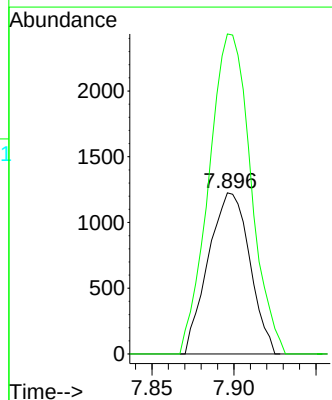
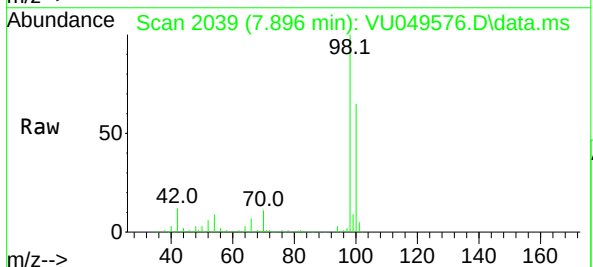
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622

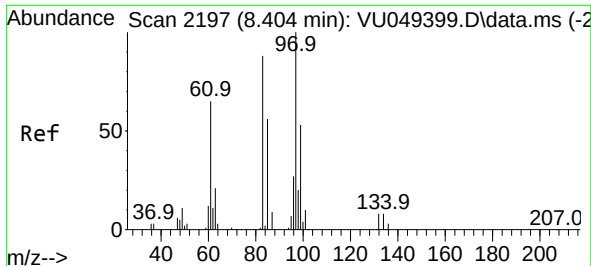
Tgt Ion: 98 Resp: 485791
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.392 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.093 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

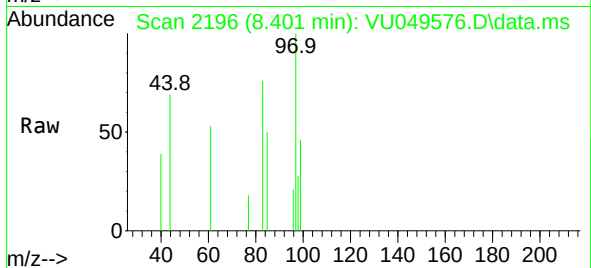
Tgt Ion: 43 Resp: 2149
Ion Ratio Lower Upper
43 100
58 201.0 34.7 52.1#



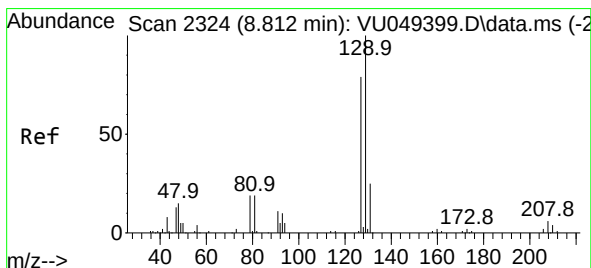
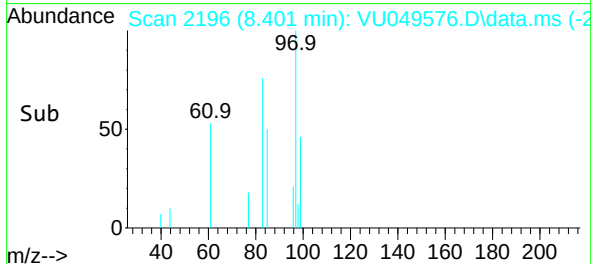
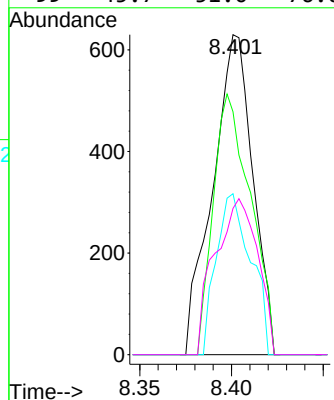


#55
 1,1,2-Trichloroethane
 Concen: 0.316 ug/l
 RT: 8.401 min Scan# 2197
 Delta R.T. -0.003 min
 Lab File: VU049576.D
 Acq: 30 Jun 2022 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 RE120D2-20220622

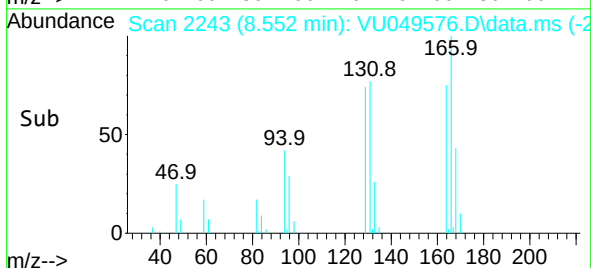
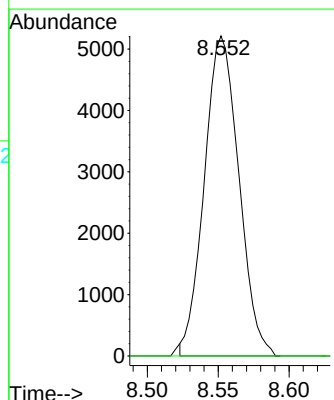
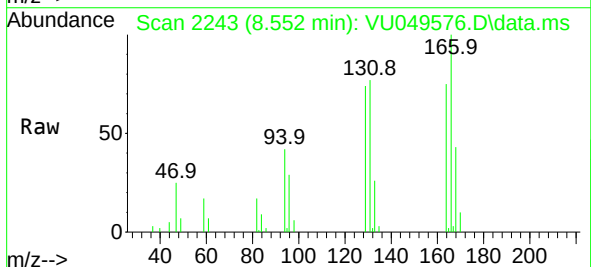


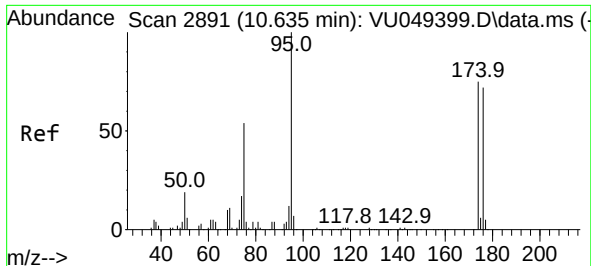
Tgt Ion: 97	Resp: 959
Ion Ratio	Lower Upper
97 100	
83 75.9	70.2 105.4
85 50.3	44.6 66.8
99 45.7	51.0 76.6



#60
 Dibromochloromethane
 Concen: 2.798 ug/l
 RT: 8.552 min Scan# 2243
 Delta R.T. -0.260 min
 Lab File: VU049576.D
 Acq: 30 Jun 2022 20:17

Tgt Ion: 129	Resp: 8835
Ion Ratio	Lower Upper
129 100	
127 0.0	38.6 116.0

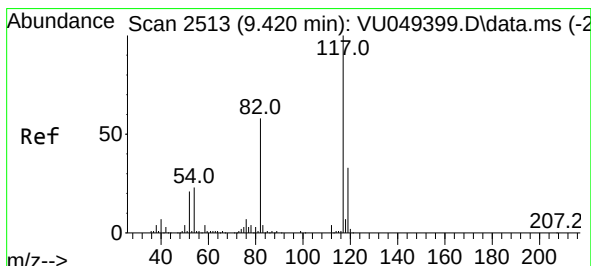
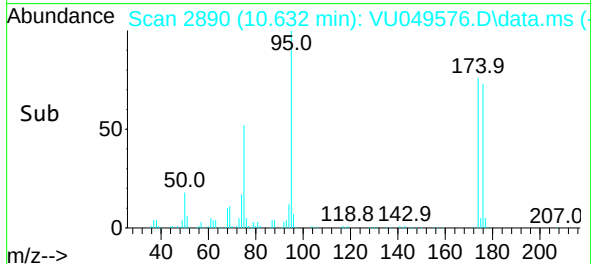
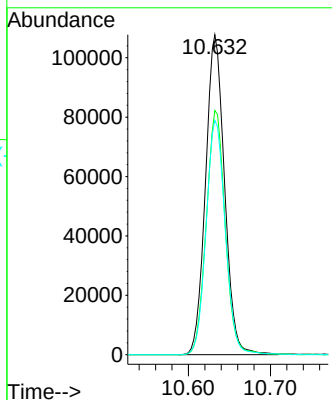
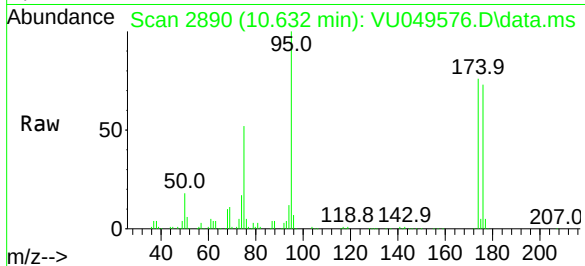




#62
4-Bromofluorobenzene
Concen: 44.957 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

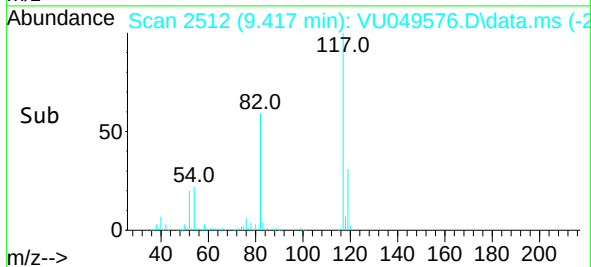
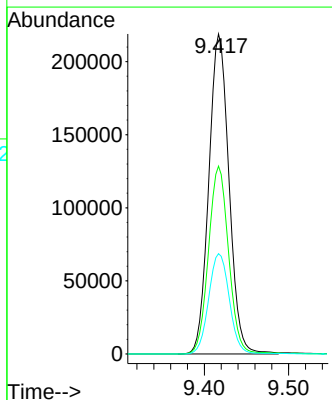
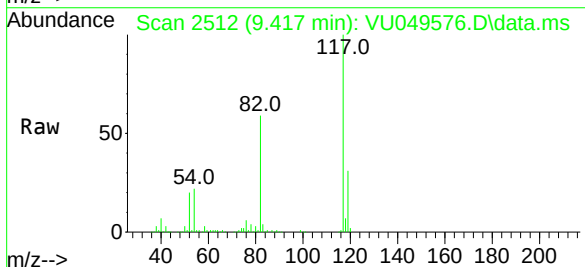
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622

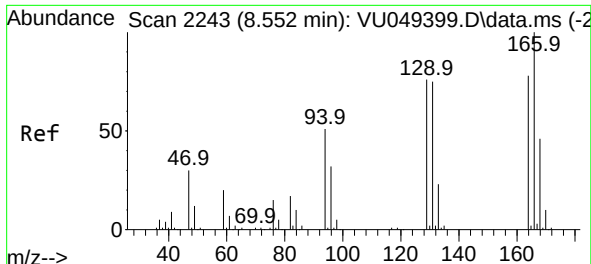
Tgt Ion: 95 Resp: 173374
Ion Ratio Lower Upper
95 100
174 76.1 0.0 182.0
176 73.9 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

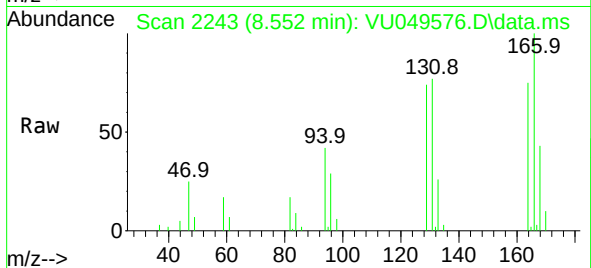
Tgt Ion: 117 Resp: 364333
Ion Ratio Lower Upper
117 100
82 58.7 41.7 62.5
119 31.4 25.7 38.5



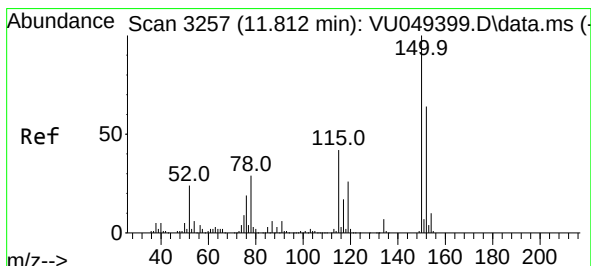
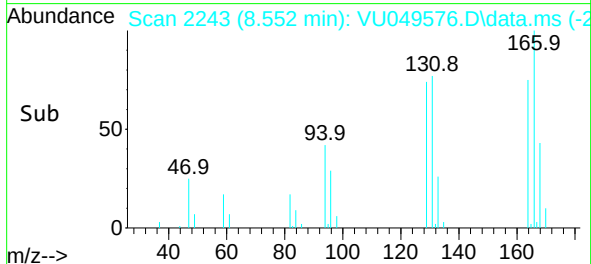
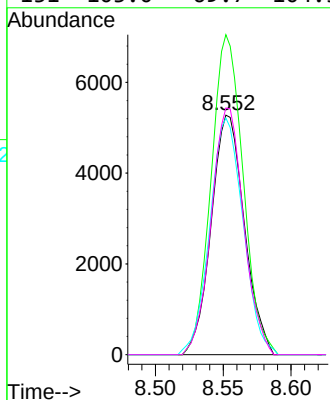


#64
Tetrachloroethene
Concen: 3.836 ug/l
RT: 8.552 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622

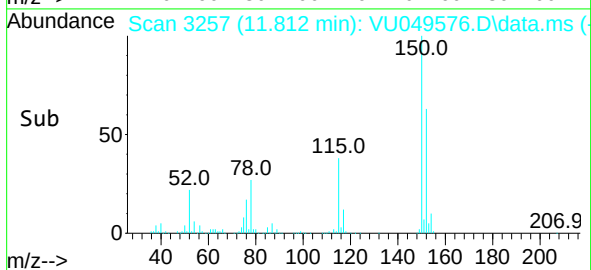
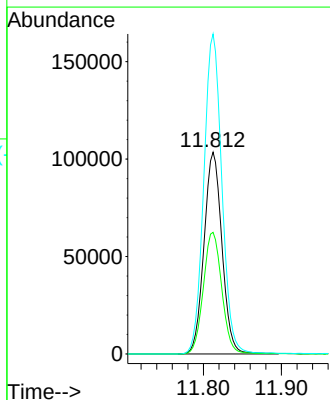
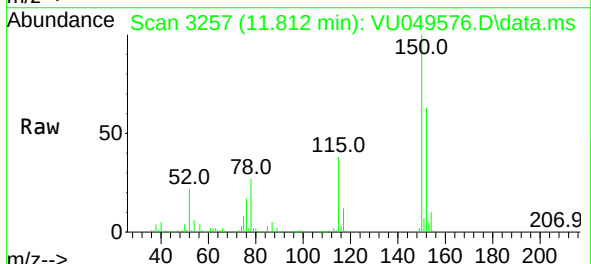


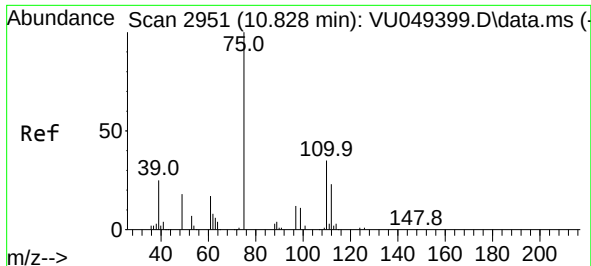
Tgt Ion:164 Resp: 8965
Ion Ratio Lower Upper
164 100
166 133.6 100.0 150.0
129 98.8 72.0 108.0
131 103.0 69.7 104.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

Tgt Ion:152 Resp: 166167
Ion Ratio Lower Upper
152 100
115 61.6 37.0 110.9
150 158.9 0.0 342.2

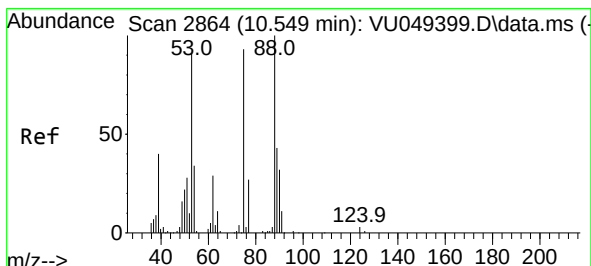
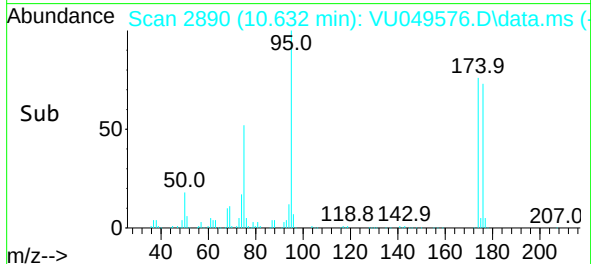
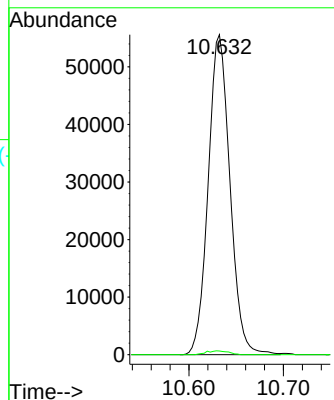
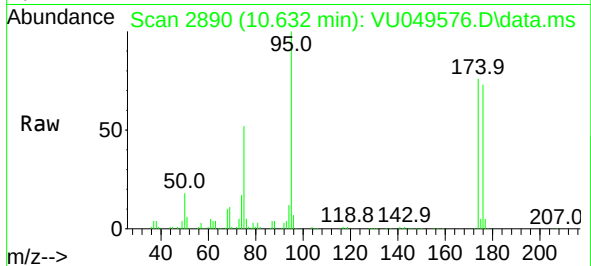




#76
1,2,3-Trichloropropane
Concen: 15.782 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

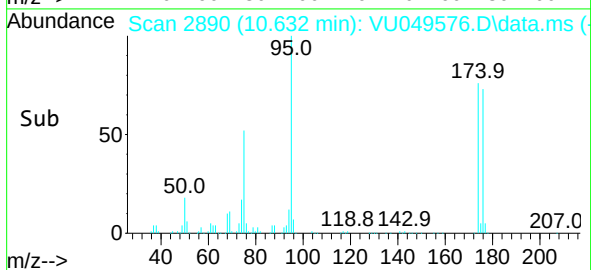
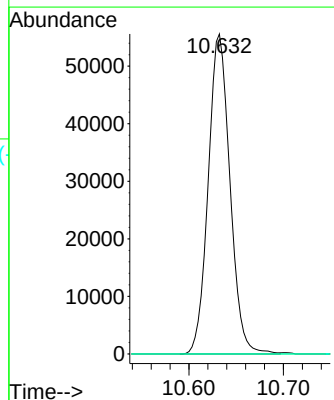
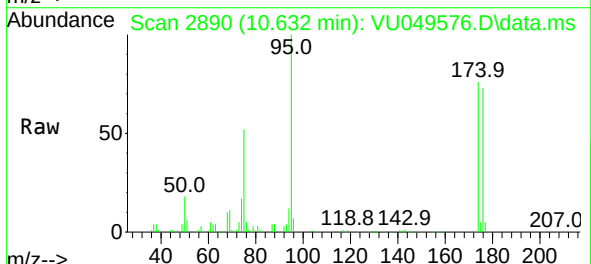
Instrument :
MSVOA_U
ClientSampleId :
RE120D2-20220622

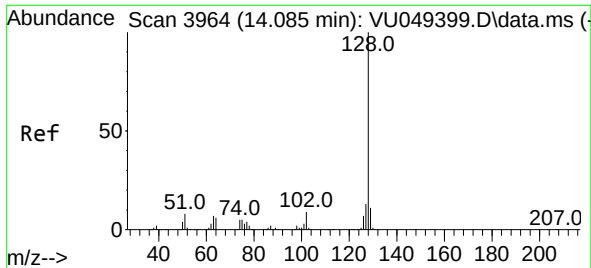
Tgt Ion: 75 Resp: 88900
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.282 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.084 min
Lab File: VU049576.D
Acq: 30 Jun 2022 20:17

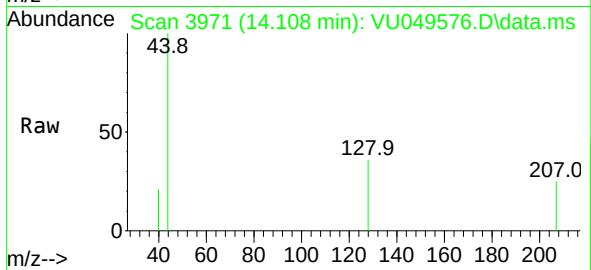
Tgt Ion: 75 Resp: 88900
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#





#95
 Naphthalene
 Concen: 1.768 ug/l
 RT: 14.108 min Scan# 3964
 Delta R.T. 0.022 min
 Lab File: VU049576.D
 Acq: 30 Jun 2022 20:17

Instrument :
 MSVOA_U
 ClientSampleId :
 RE120D2-20220622



Tgt Ion:	128	Resp:	428
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

