

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054312.D
 Acq On : 30 May 2023 14:34
 Operator : JC/MD
 Sample : 02912-07DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE134D4-20230523DL

Quant Time: May 31 06:26:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

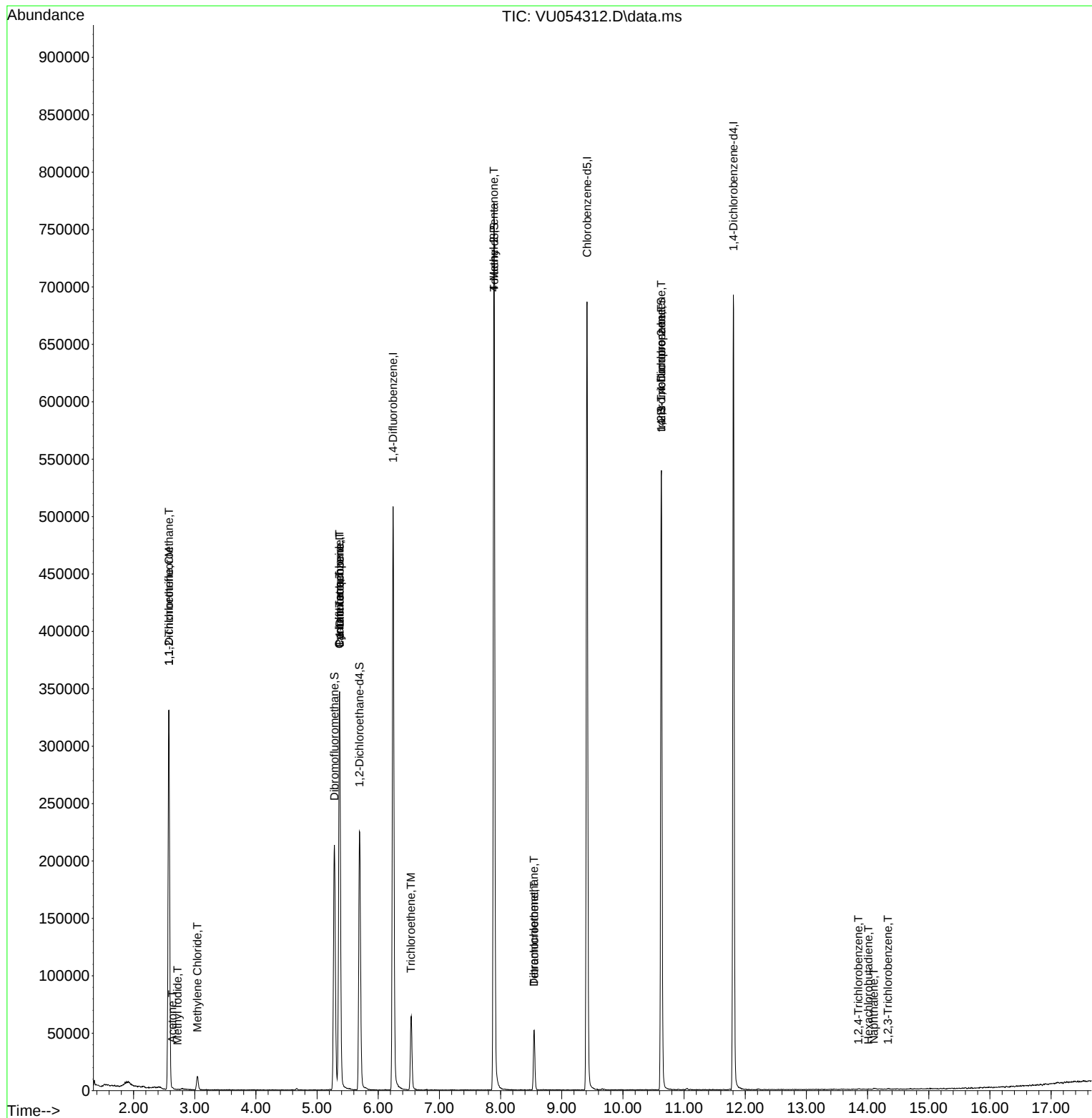
Internal Standards						
1) Pentafluorobenzene	5.369	168	257078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	421543	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	400911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	191815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	171736	50.960	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.920%	
35) Dibromofluoromethane	5.282	113	141270	52.040	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.080%	
50) Toluene-d8	7.893	98	524822	50.827	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.660%	
62) 4-Bromofluorobenzene	10.629	95	181014	45.212	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.420%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.578	101	133929	50.148	ug/l	97
10) Methyl Iodide	2.719	142	46	2.345	ug/l #	43
12) 1,1-Dichloroethene	2.578	96	978	0.354	ug/l #	76
16) Acetone	2.636	43	1561	0.808	ug/l #	80
20) Methylene Chloride	3.041	84	6374	1.829	ug/l	90
31) Cyclohexane	5.366	56	4787	1.006	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	18976	4.451	ug/l #	49
38) Carbon Tetrachloride	5.366	117	25038	5.737	ug/l #	16
44) Trichloroethene	6.536	130	23332	6.863	ug/l	96
51) 4-Methyl-2-Pentanone	7.890	43	2209	0.462	ug/l #	1
60) Dibromochloromethane	8.546	129	11291	3.458	ug/l #	11
64) Tetrachloroethene	8.549	164	12641	4.189	ug/l	97
76) 1,2,3-Trichloropropane	10.626	75	92515	16.526	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.626	75	92515	62.928	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.848	180	323	1.714	ug/l #	85
94) Hexachlorobutadiene	14.015	225	114	0.875	ug/l #	19
95) Naphthalene	14.105	128	1262	2.077	ug/l #	73
96) 1,2,3-Trichlorobenzene	14.333	180	299	1.321	ug/l #	80

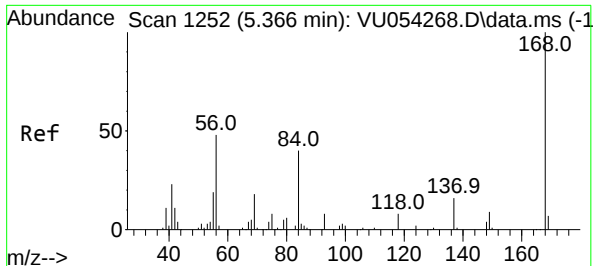
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
Data File : VU054312.D
Acq On : 30 May 2023 14:34
Operator : JC/MD
Sample : 02912-07DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20230523DL

Quant Time: May 31 06:26:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
Quant Title : SW846 8260
QLast Update : Fri May 26 06:40:51 2023
Response via : Initial Calibration

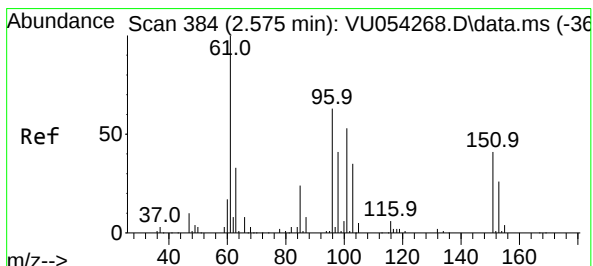
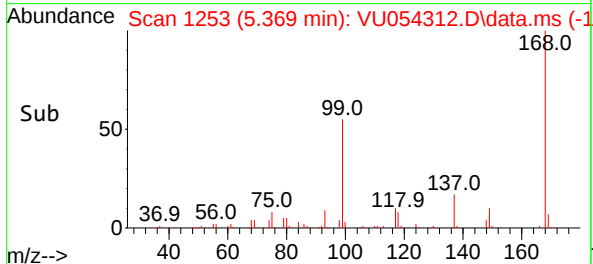
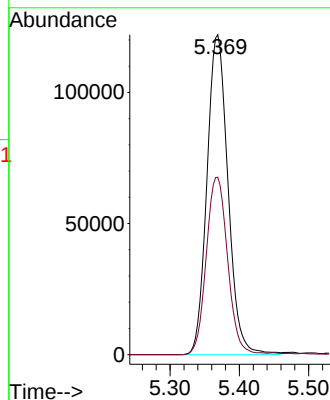
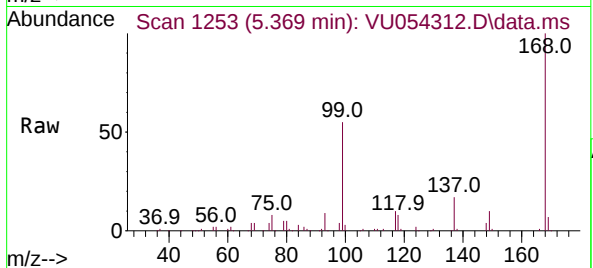




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

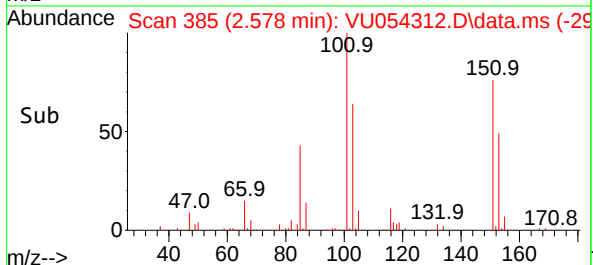
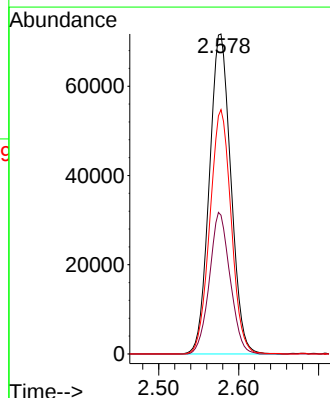
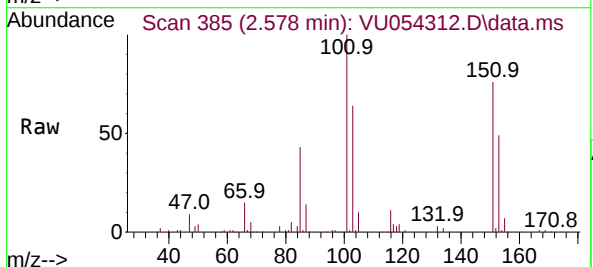
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20230523DL

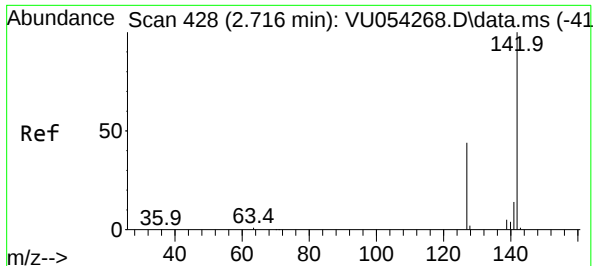
Tgt Ion:168 Resp: 257078
Ion Ratio Lower Upper
168 100
99 55.4 39.3 58.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.148 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

Tgt Ion:101 Resp: 133929
Ion Ratio Lower Upper
101 100
85 42.4 33.9 50.9
151 75.7 64.0 96.0

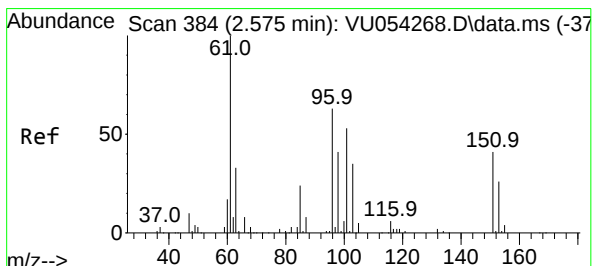
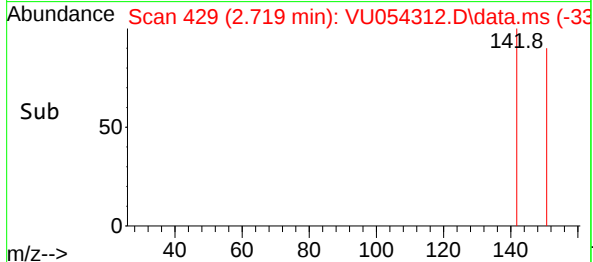
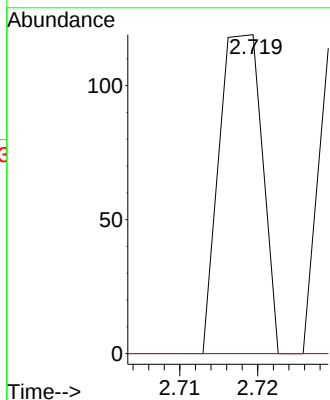
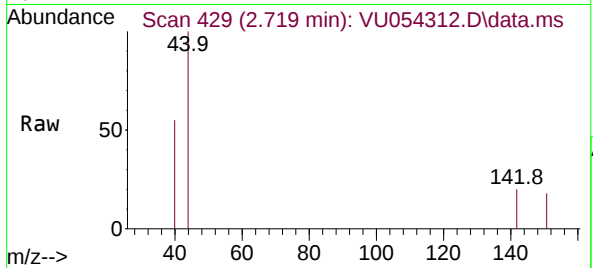




#10
Methyl Iodide
Concen: 2.345 ug/l
RT: 2.719 min Scan# 41
Delta R.T. 0.003 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

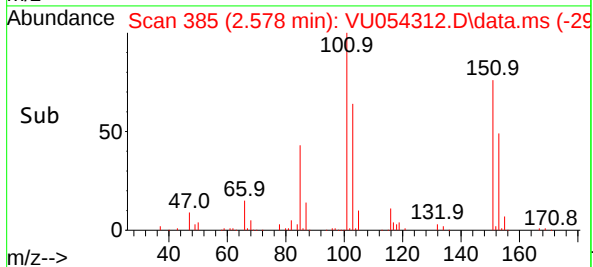
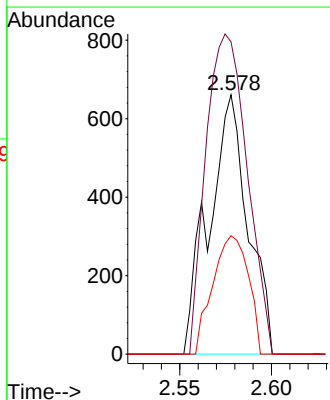
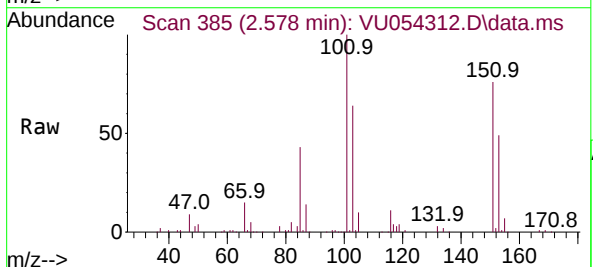
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20230523DL

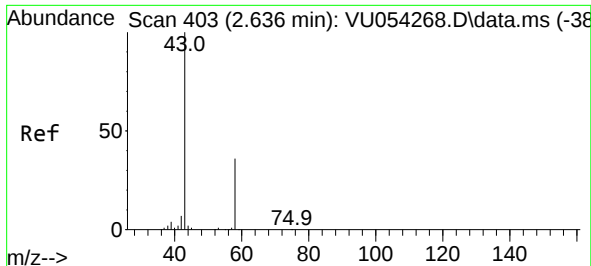
Tgt Ion:142 Resp: 46
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#12
1,1-Dichloroethene
Concen: 0.354 ug/l
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

Tgt Ion: 96 Resp: 978
Ion Ratio Lower Upper
96 100
61 120.4 122.2 183.2#
98 45.7 50.7 76.1#





#16

Acetone

Concen: 0.808 ug/l

RT: 2.636 min Scan# 403

Delta R.T. -0.000 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

Instrument :

MSVOA_U

ClientSampleId :

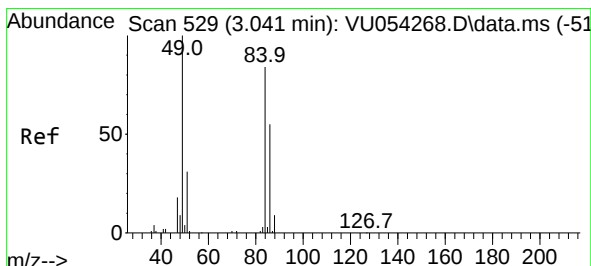
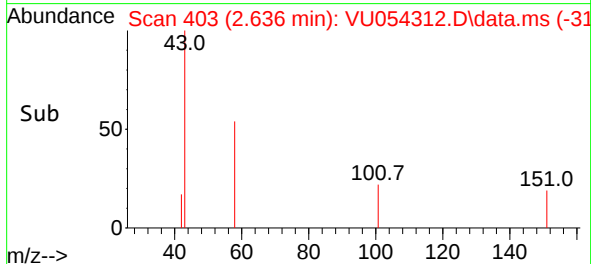
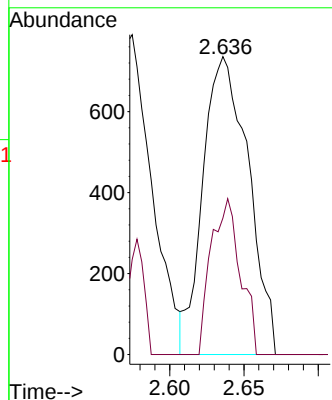
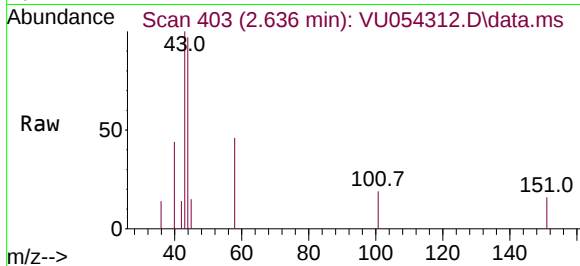
RE134D4-20230523DL

Tgt Ion: 43 Resp: 1561

Ion Ratio Lower Upper

43 100

58 45.8 27.5 41.3#



#20

Methylene Chloride

Concen: 1.829 ug/l

RT: 3.041 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

Tgt Ion: 84 Resp: 6374

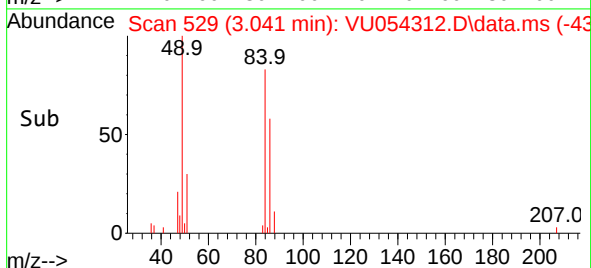
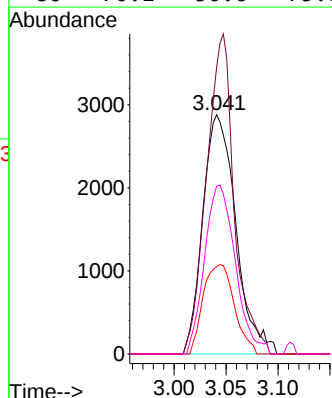
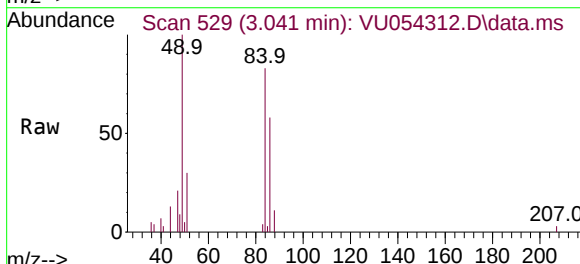
Ion Ratio Lower Upper

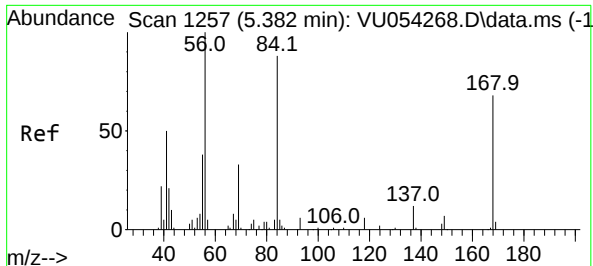
84 100

49 120.0 86.6 129.8

51 36.5 26.6 40.0

86 70.1 50.6 75.8





#31

Cyclohexane

Concen: 1.006 ug/l

RT: 5.366 min Scan# 1

Delta R.T. -0.016 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

Instrument :

MSVOA_U

ClientSampleId :

RE134D4-20230523DL

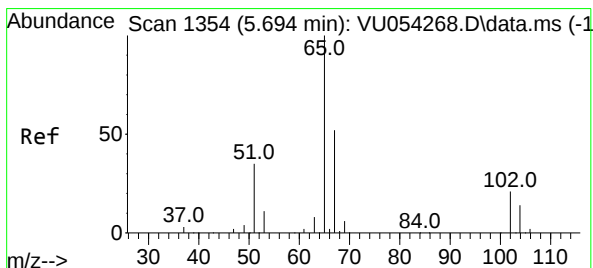
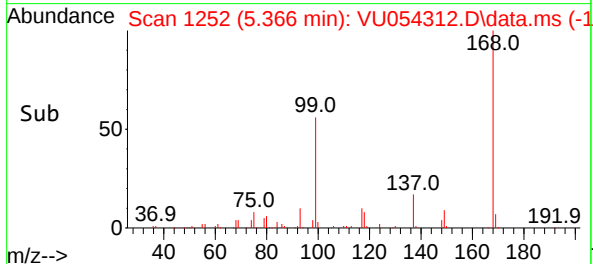
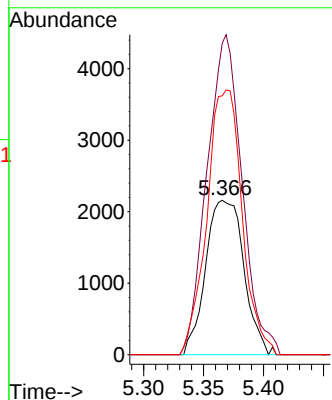
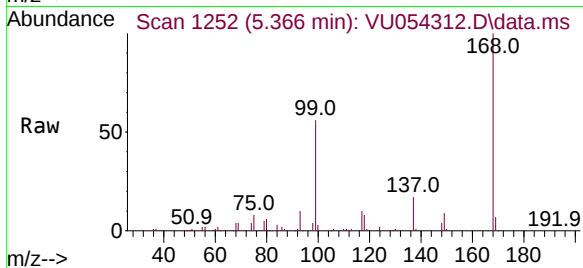
Tgt Ion: 56 Resp: 4787

Ion Ratio Lower Upper

56 100

69 201.8 27.8 41.8#

84 167.6 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 50.960 ug/l

RT: 5.694 min Scan# 1354

Delta R.T. -0.000 min

Lab File: VU054312.D

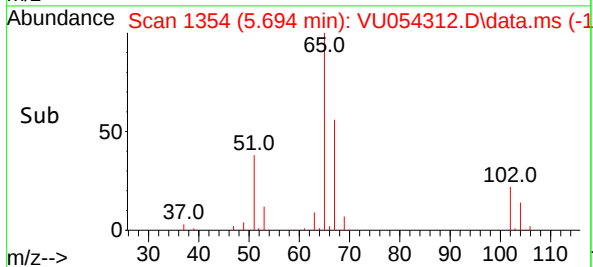
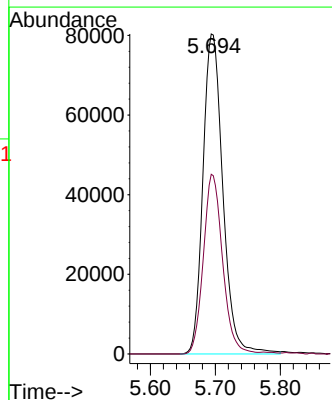
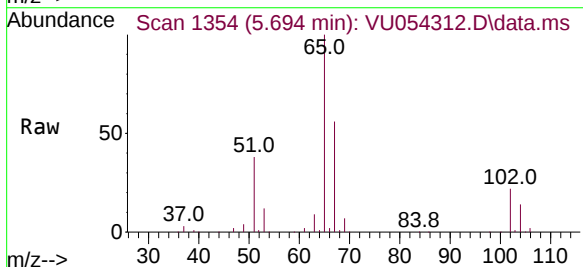
Acq: 30 May 2023 14:34

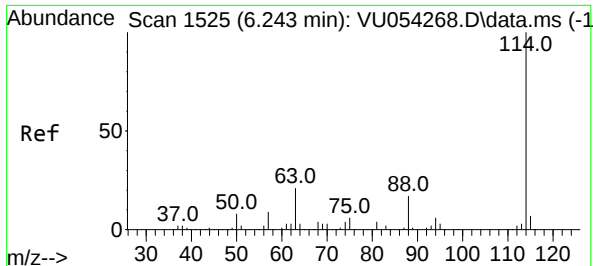
Tgt Ion: 65 Resp: 171736

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

Instrument :

MSVOA_U

ClientSampleId :

RE134D4-20230523DL

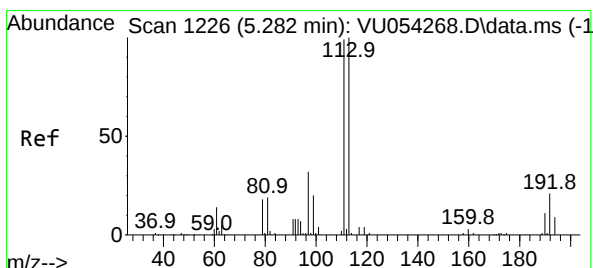
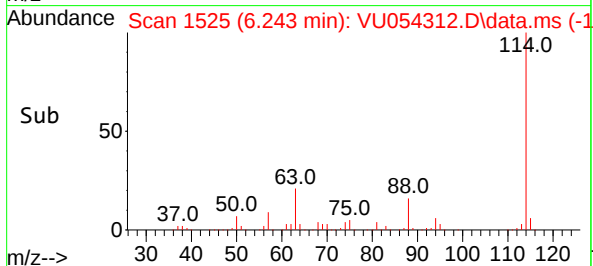
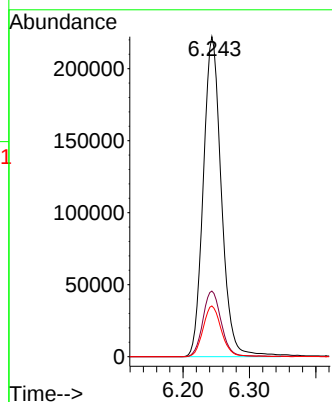
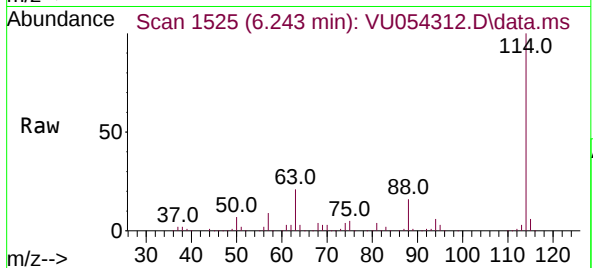
Tgt Ion:114 Resp: 421543

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.8

88 15.9 0.0 29.2



#35

Dibromofluoromethane

Concen: 52.040 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

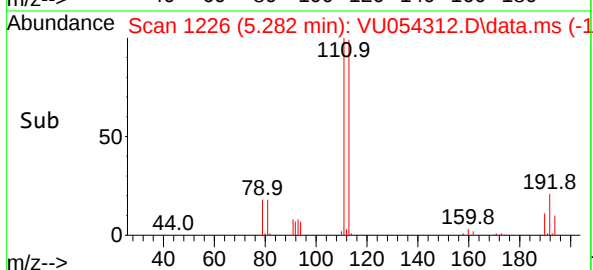
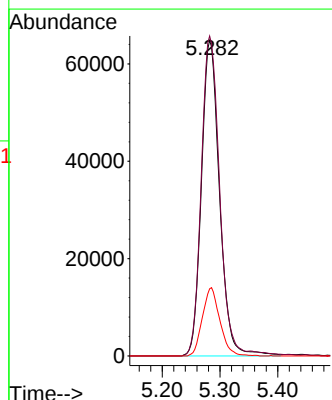
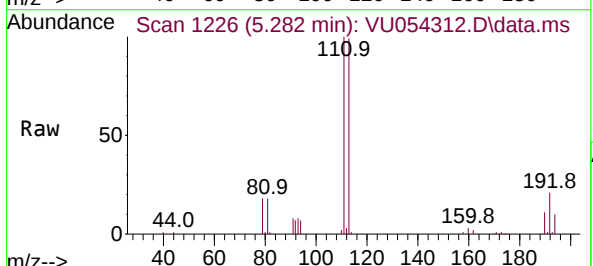
Tgt Ion:113 Resp: 141270

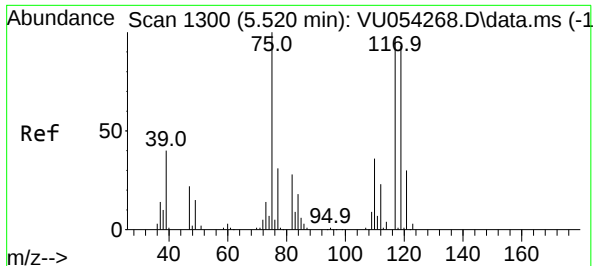
Ion Ratio Lower Upper

113 100

111 101.9 82.1 123.1

192 20.9 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.451 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.151 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

Instrument :

MSVOA_U

ClientSampleId :

RE134D4-20230523DL

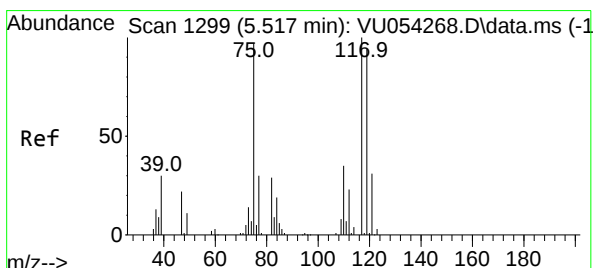
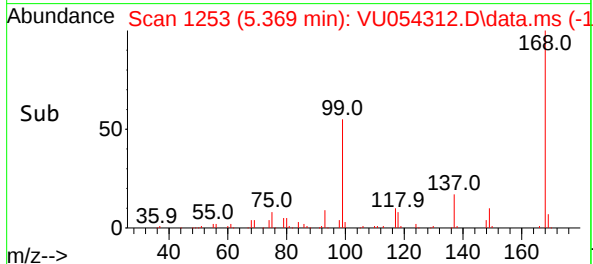
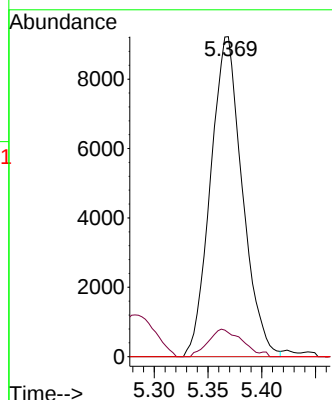
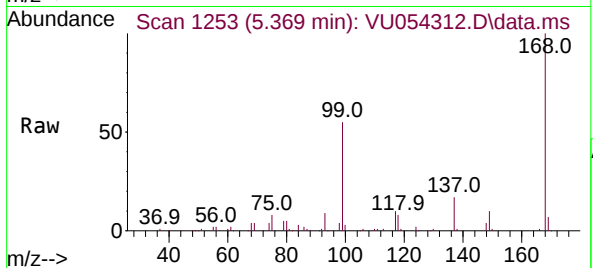
Tgt Ion: 75 Resp: 18976

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.737 ug/l

RT: 5.366 min Scan# 1252

Delta R.T. -0.151 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

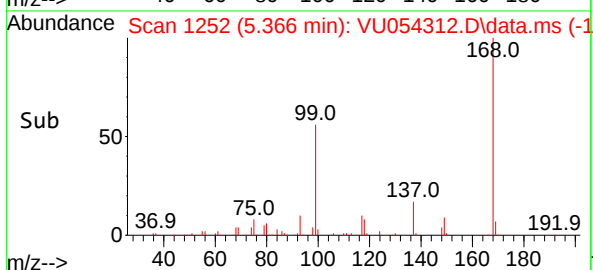
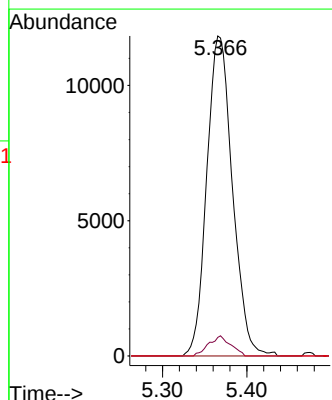
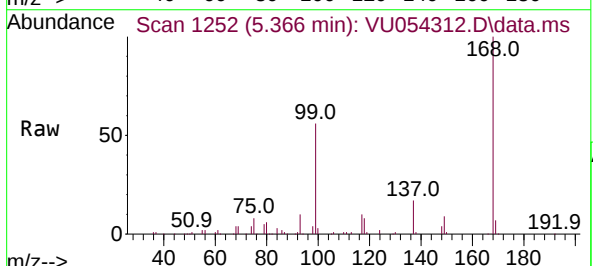
Tgt Ion: 117 Resp: 25038

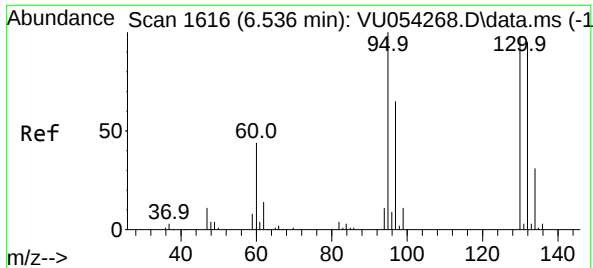
Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

121 0.0 24.7 37.1#

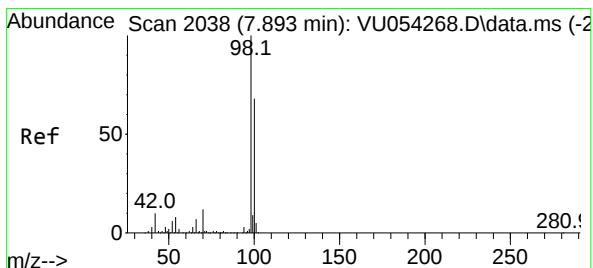
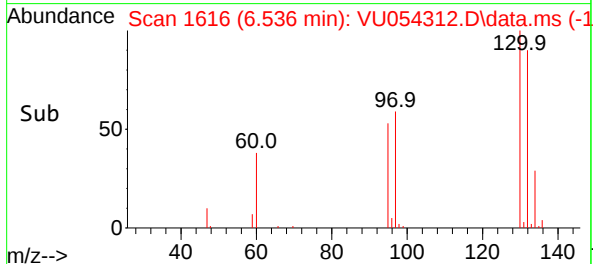
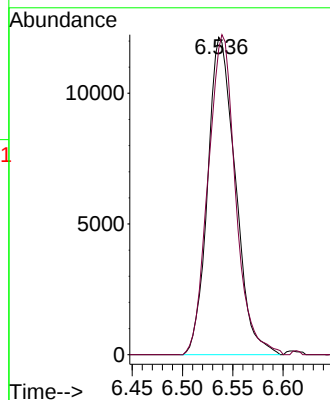
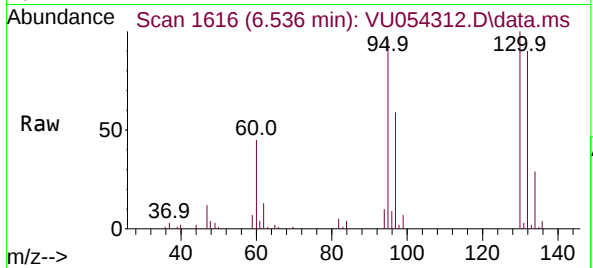




#44
Trichloroethene
Concen: 6.863 ug/l
RT: 6.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

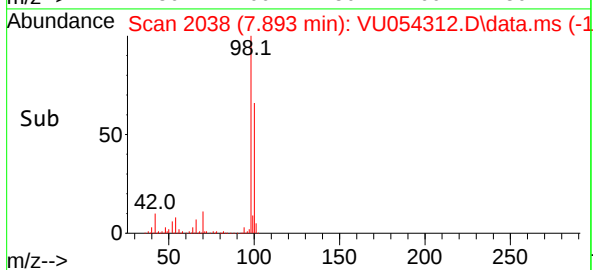
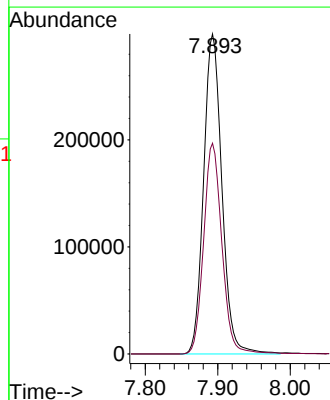
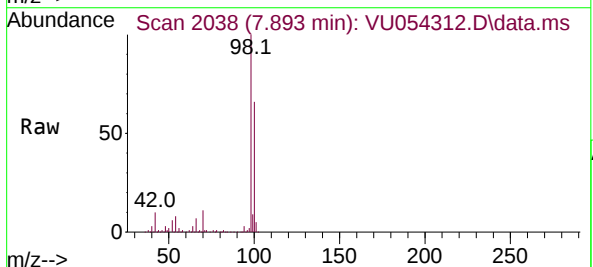
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20230523DL

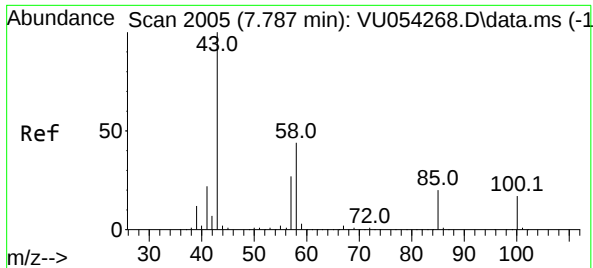
Tgt Ion:130 Resp: 23332
Ion Ratio Lower Upper
130 100
95 96.4 0.0 184.6



#50
Toluene-d8
Concen: 50.827 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

Tgt Ion: 98 Resp: 524822
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5

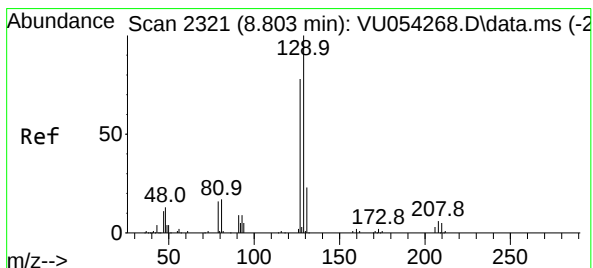
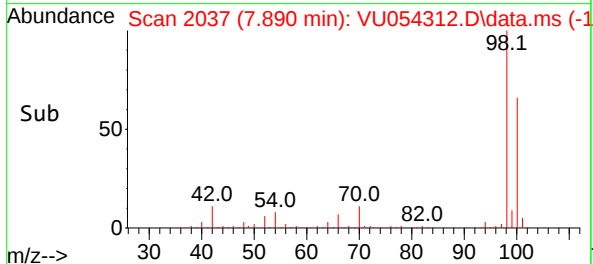
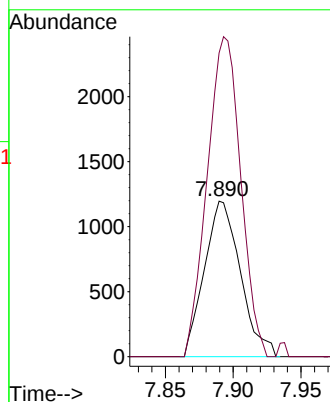
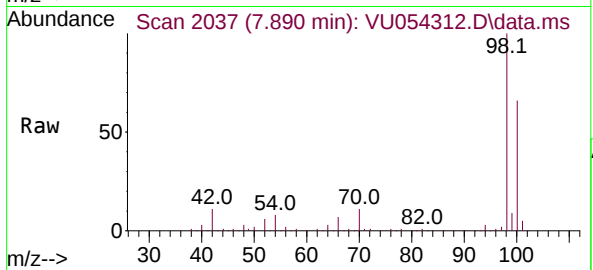




#51
4-Methyl-2-Pentanone
Concen: 0.462 ug/l
RT: 7.890 min Scan# 2005
Delta R.T. 0.103 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

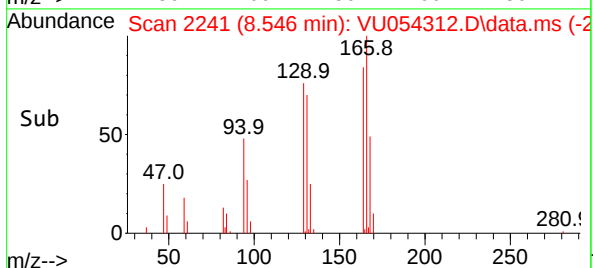
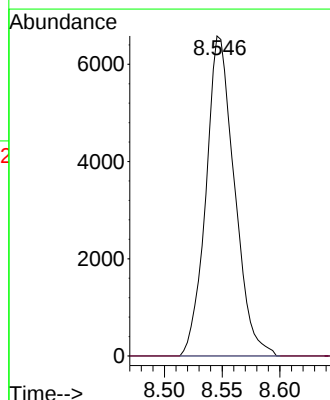
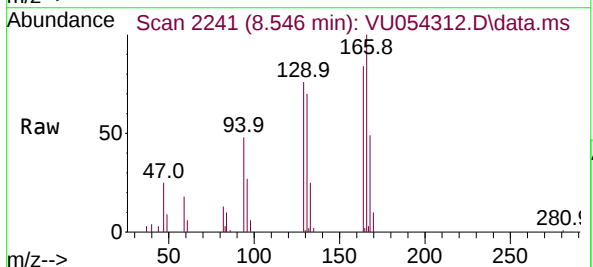
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20230523DL

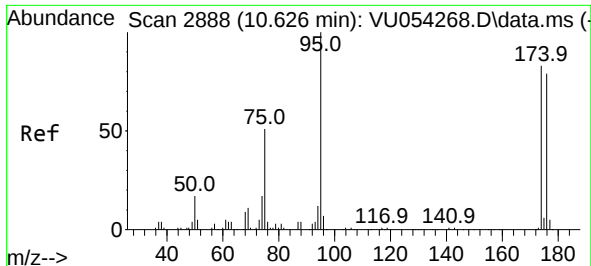
Tgt Ion: 43 Resp: 2209
Ion Ratio Lower Upper
43 100
58 191.9 34.7 52.1#



#60
Dibromochloromethane
Concen: 3.458 ug/l
RT: 8.546 min Scan# 2241
Delta R.T. -0.257 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

Tgt Ion: 129 Resp: 11291
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

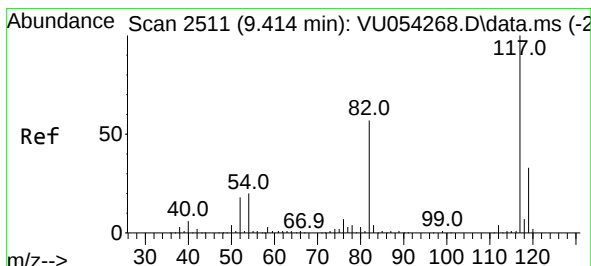
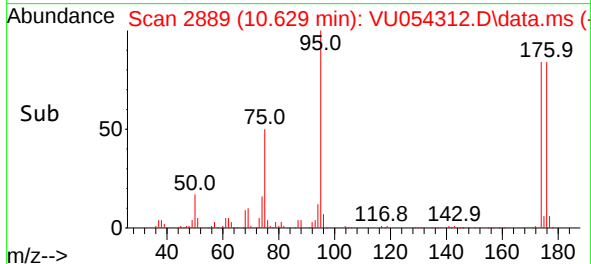
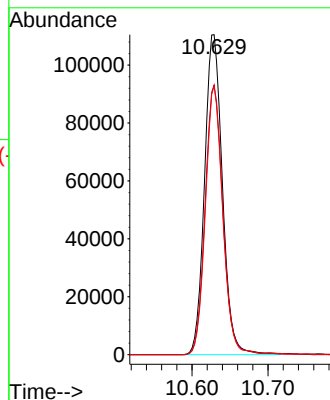
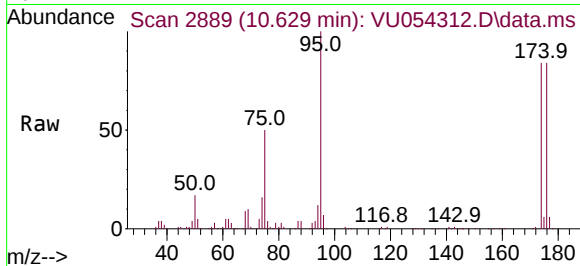




#62
4-Bromofluorobenzene
Concen: 45.212 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

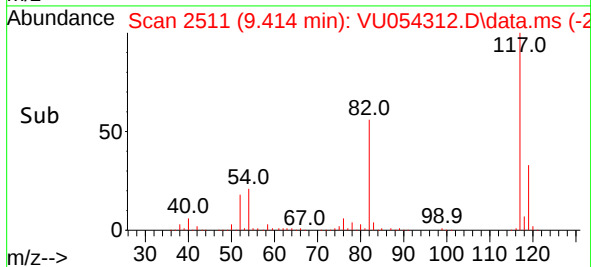
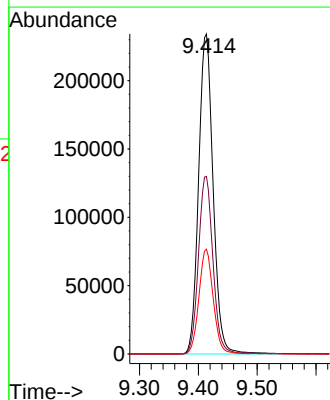
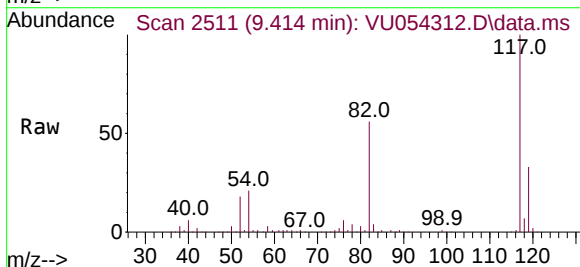
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20230523DL

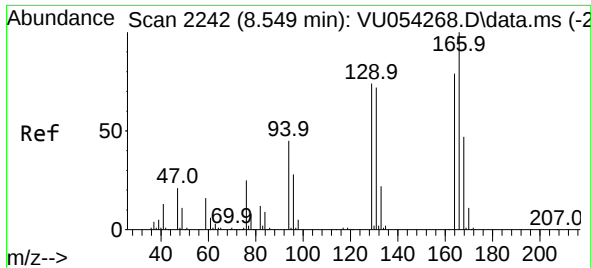
Tgt Ion: 95 Resp: 181014
Ion Ratio Lower Upper
95 100
174 83.8 0.0 182.0
176 81.1 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

Tgt Ion: 117 Resp: 400911
Ion Ratio Lower Upper
117 100
82 55.5 41.7 62.5
119 32.7 25.7 38.5

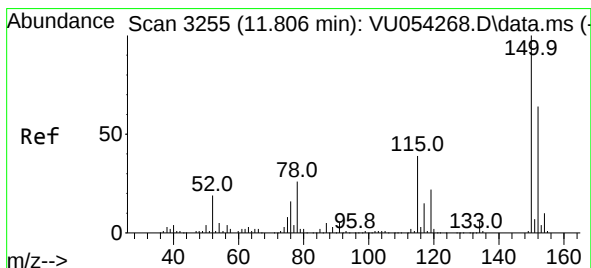
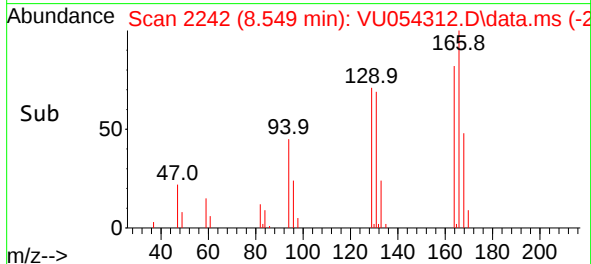
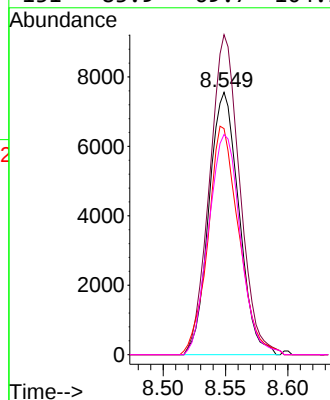
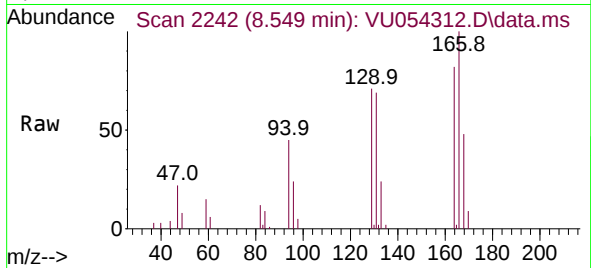




#64
Tetrachloroethene
Concen: 4.189 ug/l
RT: 8.549 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

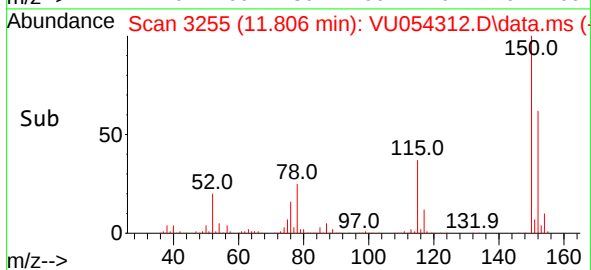
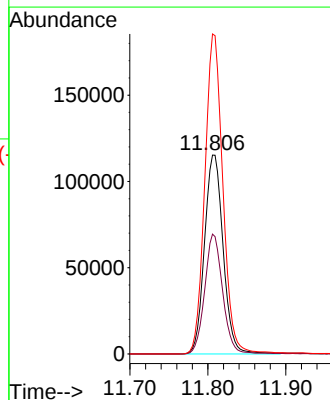
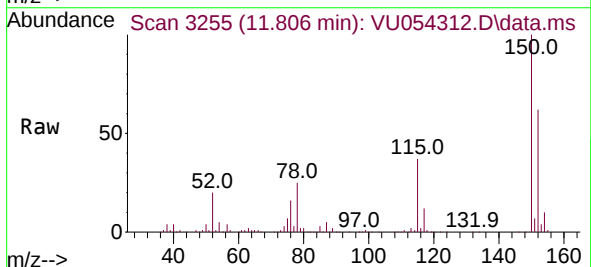
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20230523DL

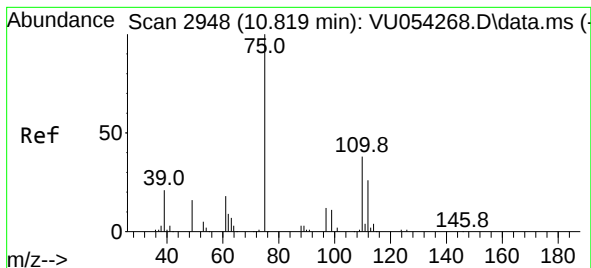
Tgt Ion:164	Resp:	12641
Ion	Ratio	Lower Upper
164	100	
166	121.9	100.0 150.0
129	86.1	72.0 108.0
131	83.9	69.7 104.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

Tgt Ion:152	Resp:	191815
Ion	Ratio	Lower Upper
152	100	
115	57.6	37.0 110.9
150	155.8	0.0 342.2





#76

1,2,3-Trichloropropane

Concen: 16.526 ug/l

RT: 10.626 min Scan# 21

Delta R.T. -0.193 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

Instrument :

MSVOA_U

ClientSampleId :

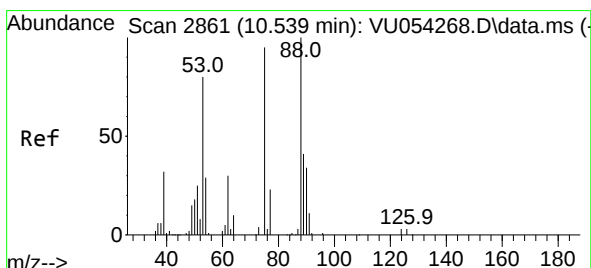
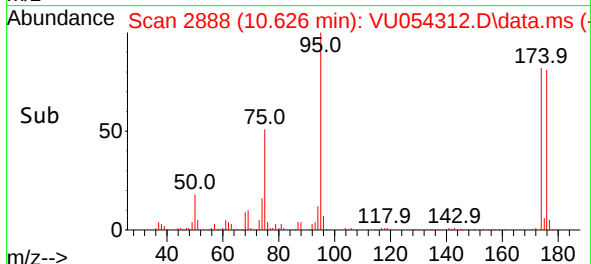
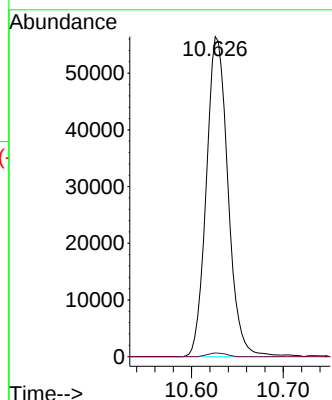
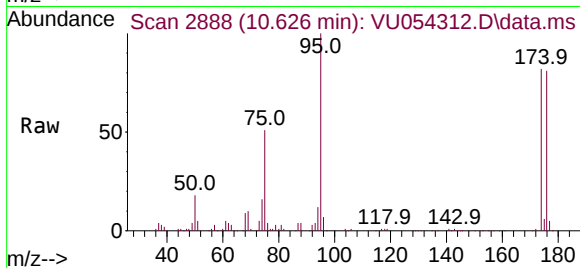
RE134D4-20230523DL

Tgt Ion: 75 Resp: 92515

Ion Ratio Lower Upper

75 100

77 1.0 15.8 47.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.928 ug/l

RT: 10.626 min Scan# 2888

Delta R.T. 0.087 min

Lab File: VU054312.D

Acq: 30 May 2023 14:34

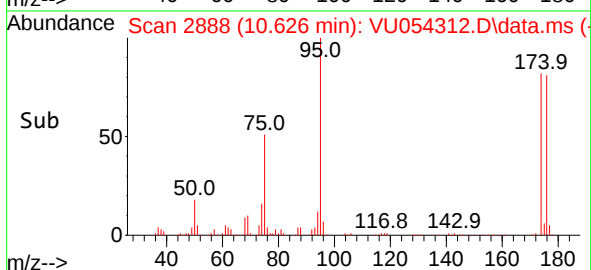
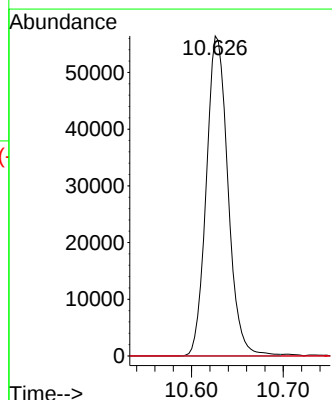
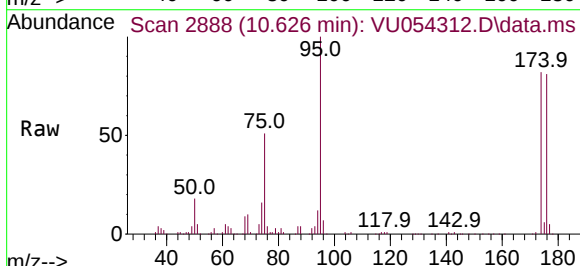
Tgt Ion: 75 Resp: 92515

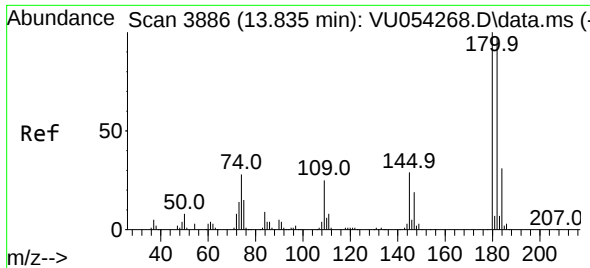
Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

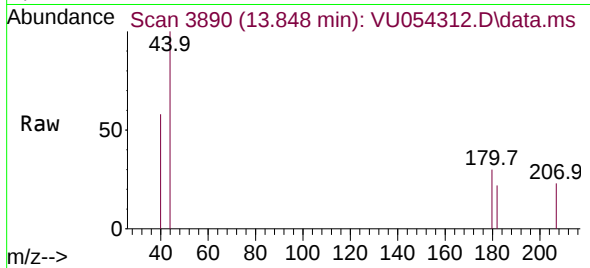
89 0.0 37.0 55.6#



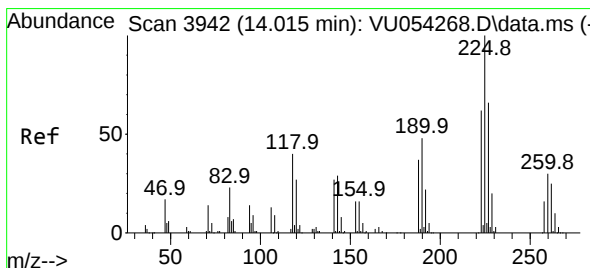
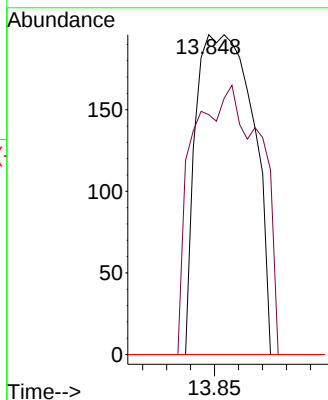
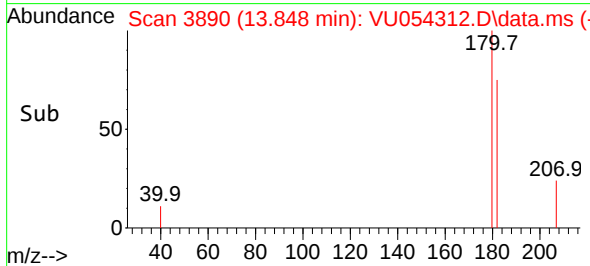


#93
1,2,4-Trichlorobenzene
Concen: 1.714 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.013 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

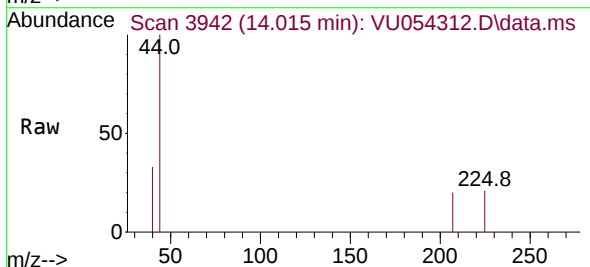
Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20230523DL



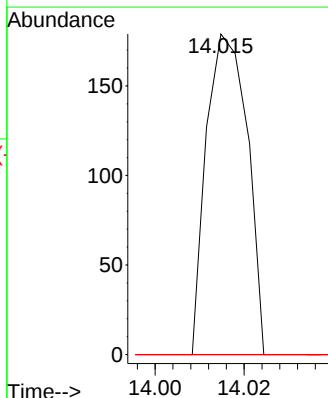
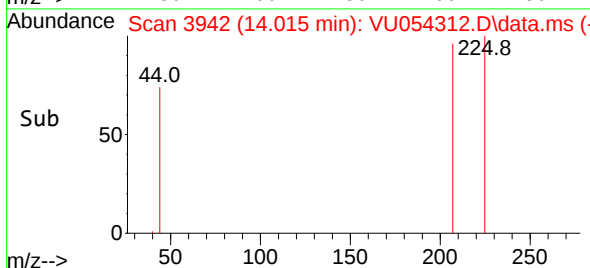
Tgt Ion:180 Resp: 323
Ion Ratio Lower Upper
180 100
182 100.0 47.9 143.6
145 0.0 14.0 41.9#

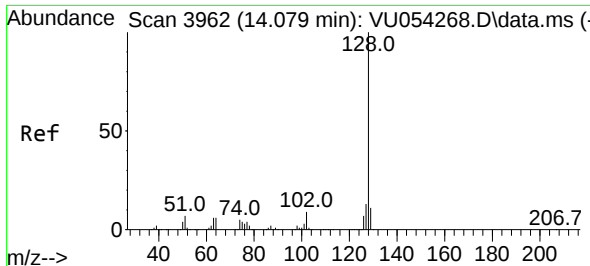


#94
Hexachlorobutadiene
Concen: 0.875 ug/l
RT: 14.015 min Scan# 3942
Delta R.T. -0.000 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34



Tgt Ion:225 Resp: 114
Ion Ratio Lower Upper
225 100
223 0.0 31.3 93.9#
227 0.0 32.0 96.2#

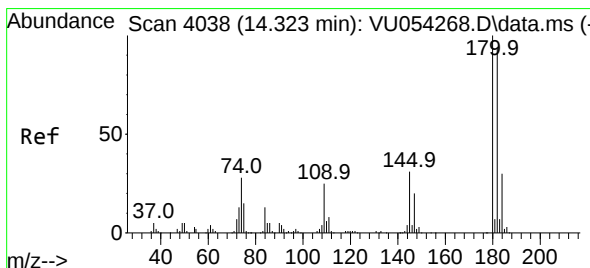
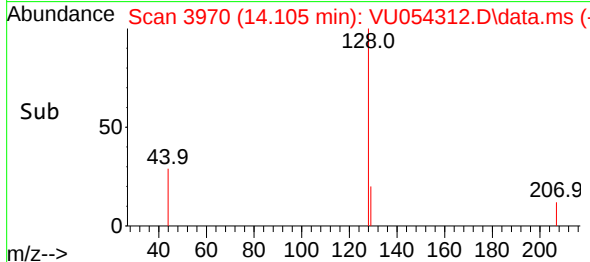
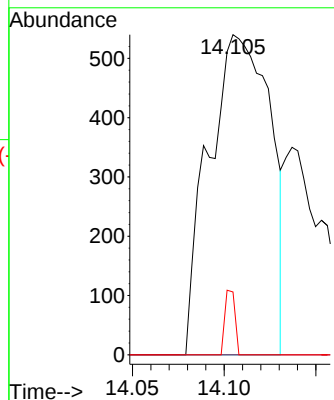
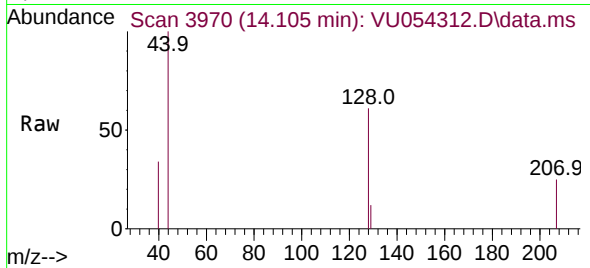




#95
Naphthalene
Concen: 2.077 ug/l
RT: 14.105 min Scan# 3962
Delta R.T. 0.026 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

Instrument :
MSVOA_U
ClientSampleId :
RE134D4-20230523DL

Tgt Ion:128 Resp: 1262
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.2 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.321 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.010 min
Lab File: VU054312.D
Acq: 30 May 2023 14:34

Tgt Ion:180 Resp: 299
Ion Ratio Lower Upper
180 100
182 105.4 48.4 145.0
145 0.0 14.8 44.4#

