

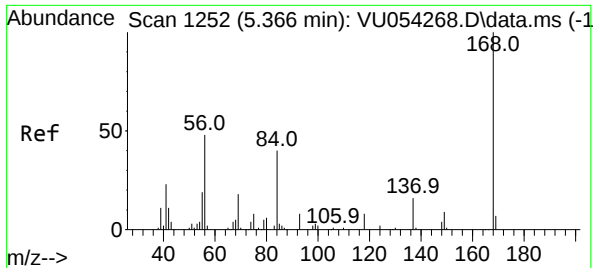
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054315.D
 Acq On : 30 May 2023 15:45
 Operator : JC/MD
 Sample : 02912-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE103D3-20230523

Quant Time: May 31 06:27:47 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	5.366	168	260121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	426180	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	396117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	189531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	172198	50.499	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	101.000%	
35) Dibromofluoromethane	5.282	113	142149	51.794	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	103.580%	
50) Toluene-d8	7.893	98	524947	50.286	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	100.580%	
62) 4-Bromofluorobenzene	10.629	95	180895	44.690	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	89.380%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.571	101	2291	0.848	ug/l	87
10) Methyl Iodide	2.729	142	77	2.354	ug/l #	43
16) Acetone	2.633	43	1480	0.757	ug/l #	85
20) Methylene Chloride	3.038	84	973	0.276	ug/l #	91
31) Cyclohexane	5.362	56	4976	1.033	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	19361	4.491	ug/l #	44
38) Carbon Tetrachloride	5.366	117	24764	5.613	ug/l #	15
39) Methylcyclohexane	6.536	83	4589	0.940	ug/l #	1
44) Trichloroethene	6.536	130	329428	95.844	ug/l	92
45) 1,2-Dichloropropane	6.539	63	1182	0.368	ug/l #	1
51) 4-Methyl-2-Pentanone	7.890	43	1865	0.386	ug/l #	1
60) Dibromochloromethane	8.552	129	749	0.227	ug/l #	11
64) Tetrachloroethene	8.546	164	773	0.259	ug/l #	88
76) 1,2,3-Trichloropropane	10.629	75	91591	16.558	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.629	75	91591	63.051	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.851	180	257	1.700	ug/l #	88
95) Naphthalene	14.102	128	369	2.017	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.336	180	200	1.300	ug/l #	50

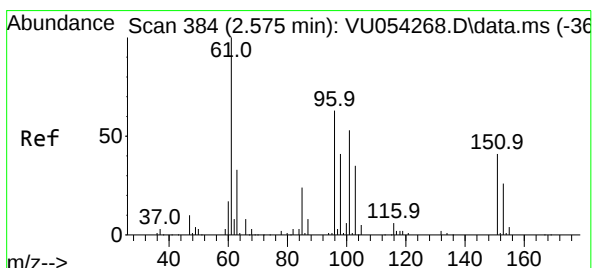
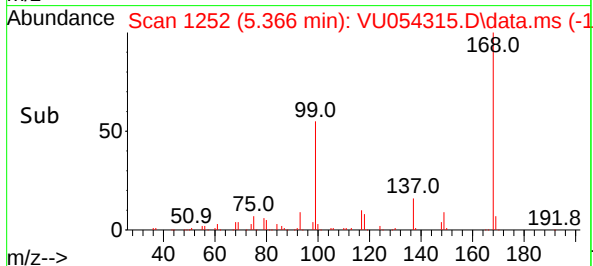
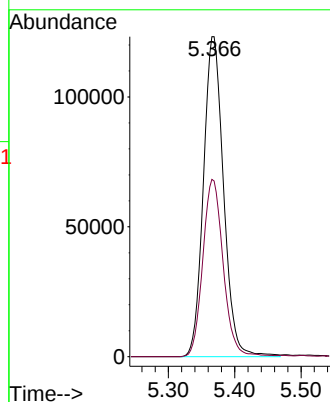
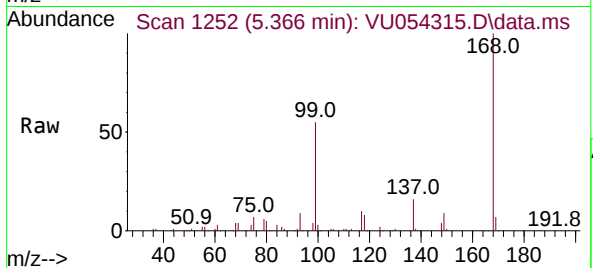
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

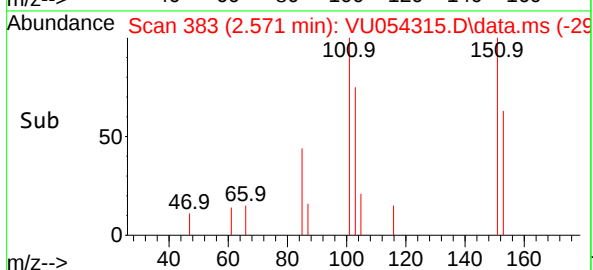
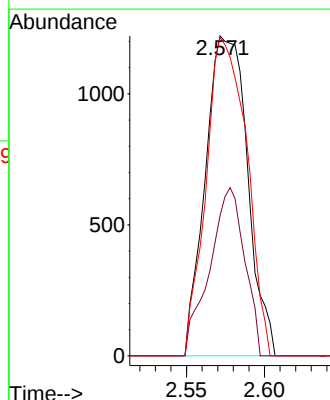
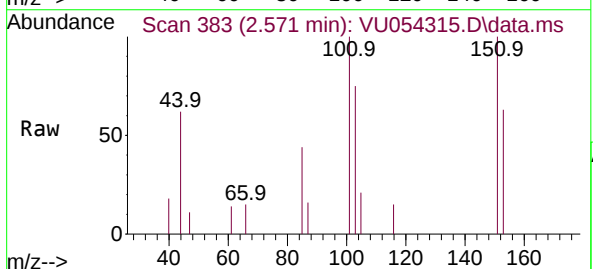
Instrument :
MSVOA_U
ClientSampleId :
RE103D3-20230523

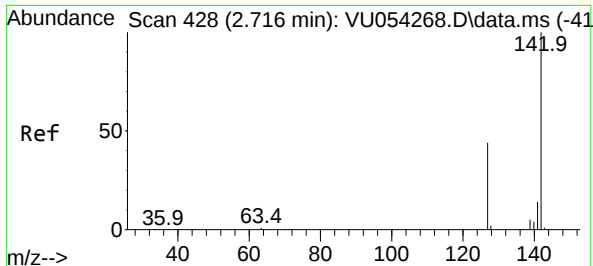
Tgt Ion:168 Resp: 260121
Ion Ratio Lower Upper
168 100
99 55.4 39.3 58.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.848 ug/l
RT: 2.571 min Scan# 383
Delta R.T. -0.004 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

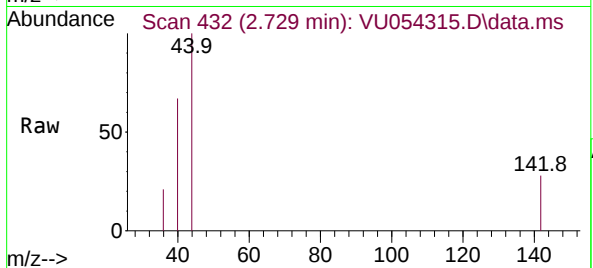
Tgt Ion:101 Resp: 2291
Ion Ratio Lower Upper
101 100
85 43.8 33.9 50.9
151 95.9 64.0 96.0



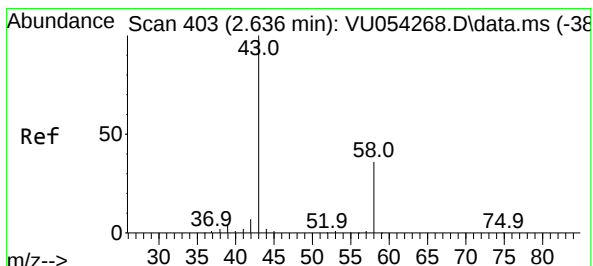
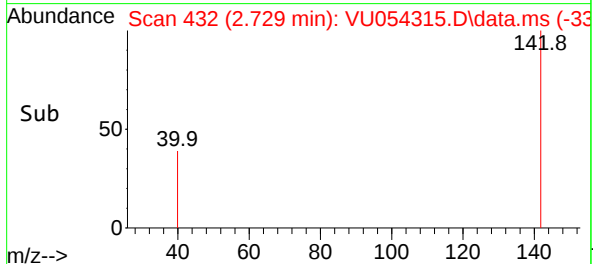
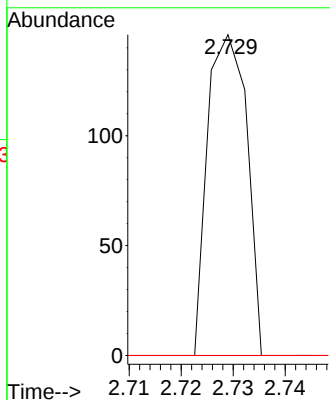


#10
Methyl Iodide
Concen: 2.354 ug/l
RT: 2.729 min Scan# 41
Delta R.T. 0.013 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

Instrument :
MSVOA_U
ClientSampleId :
RE103D3-20230523

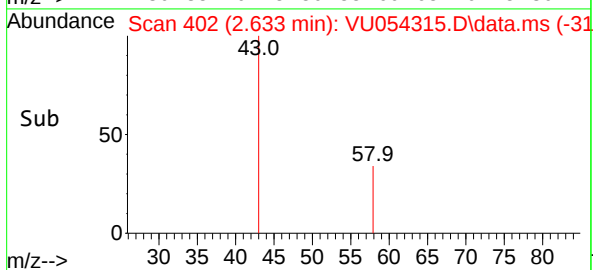
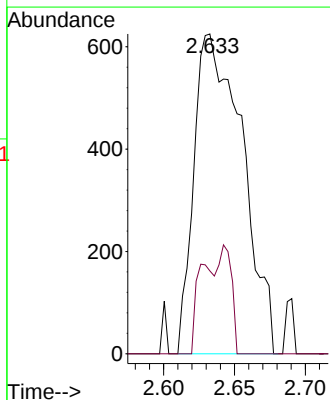
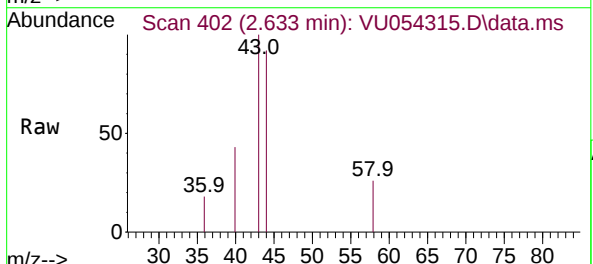


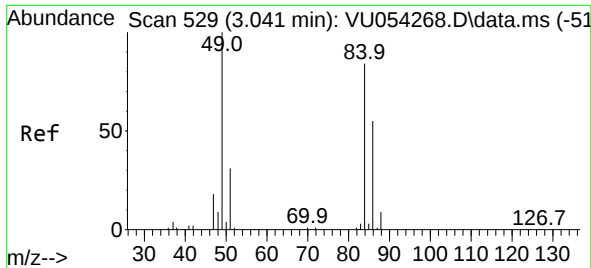
Tgt Ion:142 Resp: 77
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#



#16
Acetone
Concen: 0.757 ug/l
RT: 2.633 min Scan# 402
Delta R.T. -0.003 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

Tgt Ion: 43 Resp: 1480
Ion Ratio Lower Upper
43 100
58 25.9 27.5 41.3#

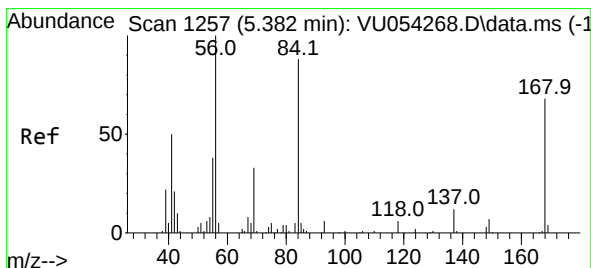
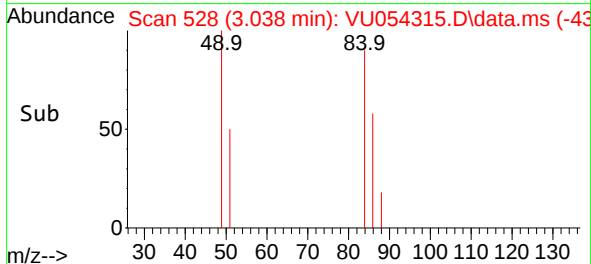
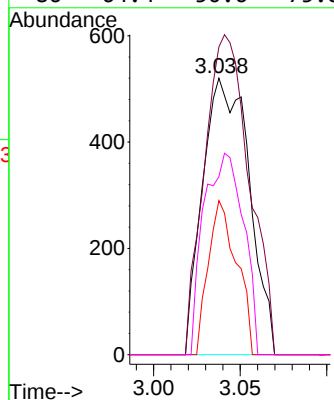
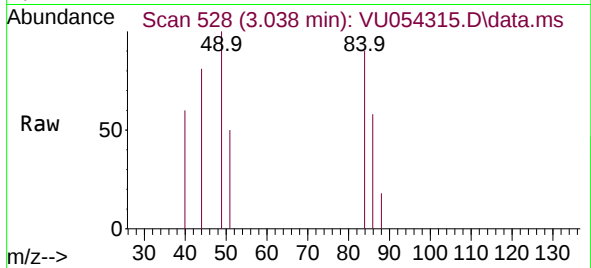




#20
Methylene Chloride
Concen: 0.276 ug/l
RT: 3.038 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

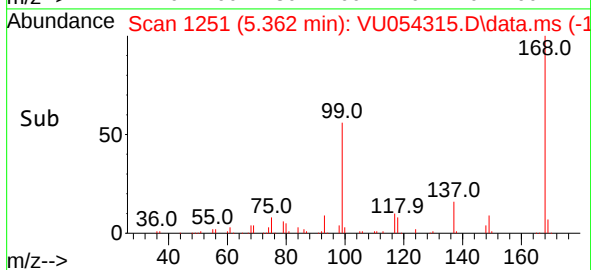
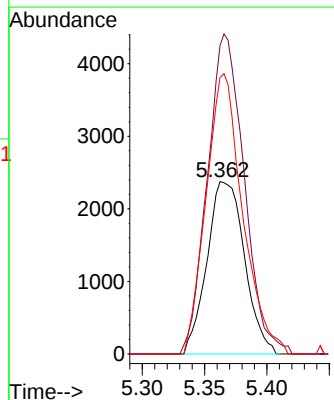
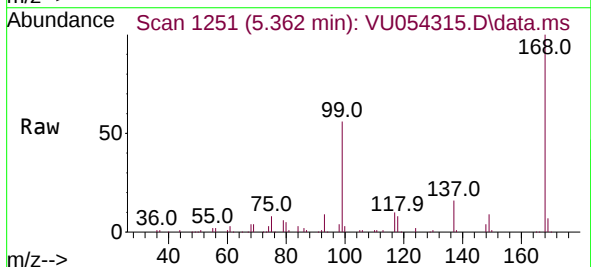
Instrument :
MSVOA_U
ClientSampleId :
RE103D3-20230523

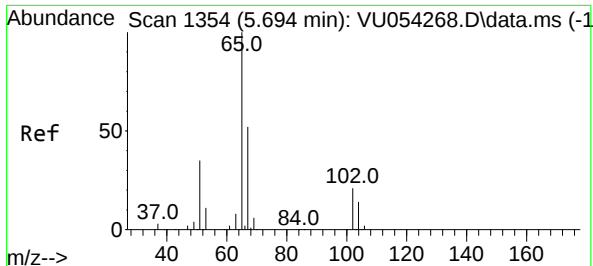
Tgt Ion:	84	Resp:	973
Ion	Ratio	Lower	Upper
84	100		
49	111.3	86.6	129.8
51	55.8	26.6	40.0#
86	64.4	50.6	75.8



#31
Cyclohexane
Concen: 1.033 ug/l
RT: 5.362 min Scan# 1251
Delta R.T. -0.020 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

Tgt Ion:	56	Resp:	4976
Ion	Ratio	Lower	Upper
56	100		
69	179.0	27.8	41.8#
84	160.5	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 50.499 ug/l

RT: 5.694 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054315.D

Acq: 30 May 2023 15:45

Instrument :

MSVOA_U

ClientSampleId :

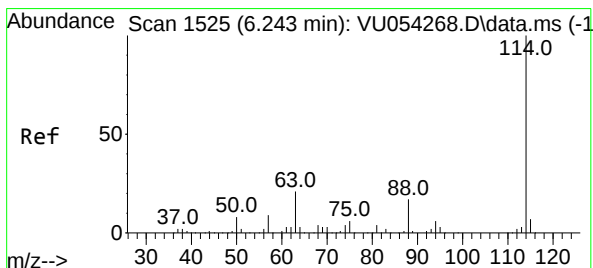
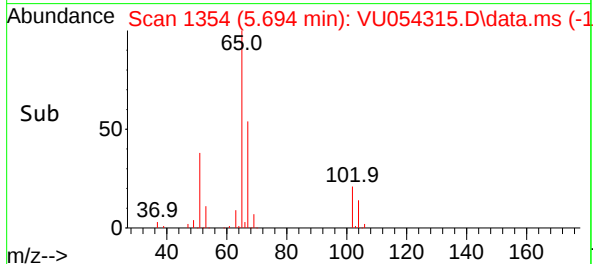
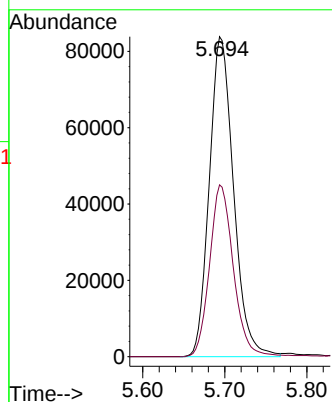
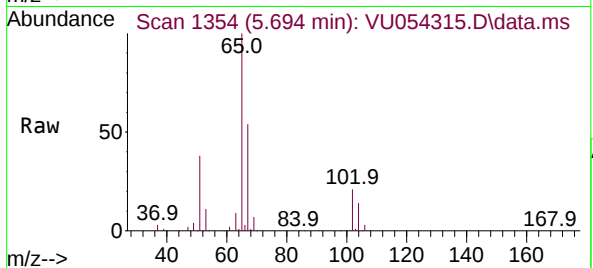
RE103D3-20230523

Tgt Ion: 65 Resp: 172198

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VU054315.D

Acq: 30 May 2023 15:45

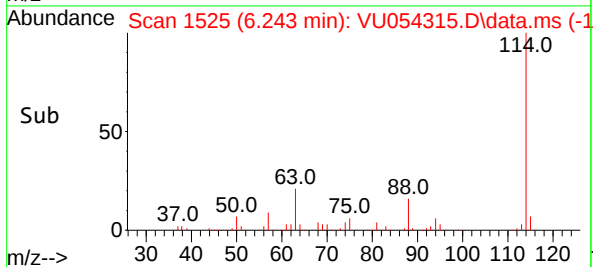
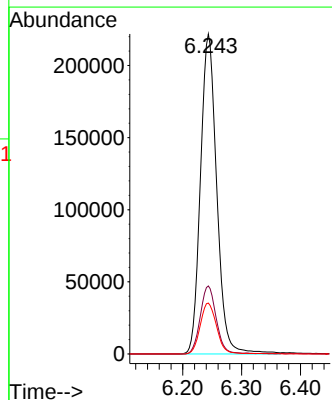
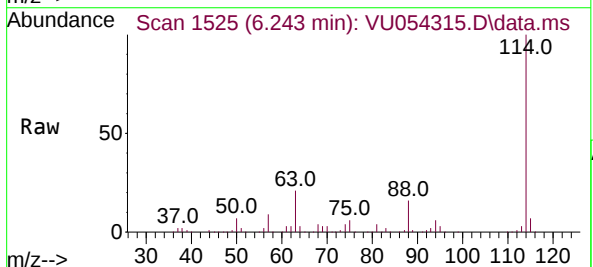
Tgt Ion: 114 Resp: 426180

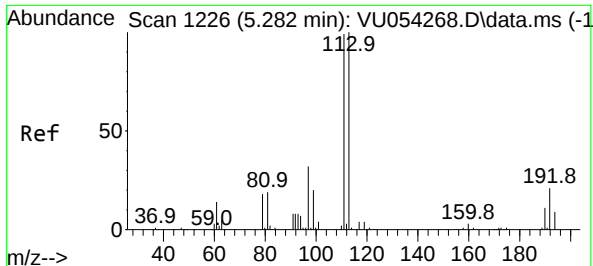
Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.8

88 15.9 0.0 29.2

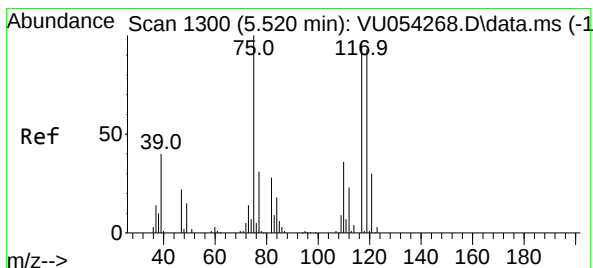
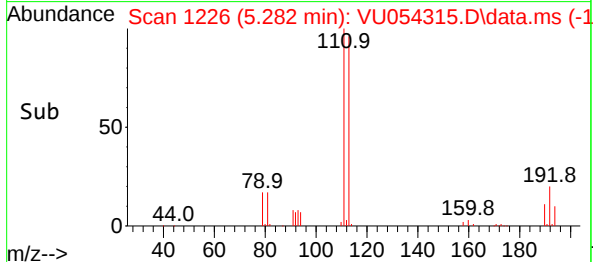
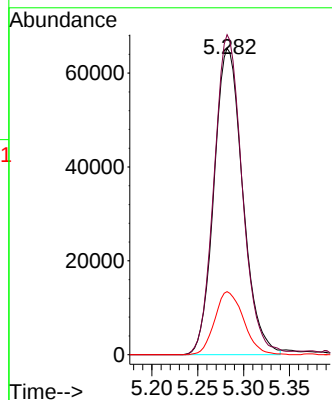
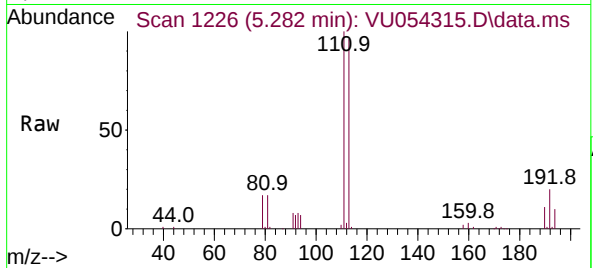




#35
Dibromofluoromethane
Concen: 51.794 ug/l
RT: 5.282 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

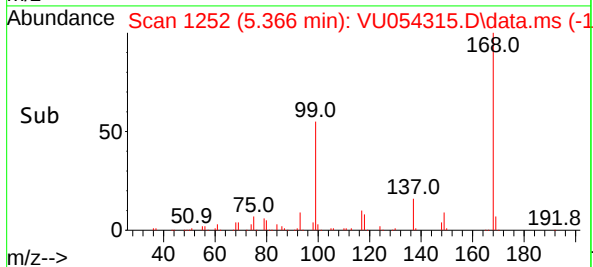
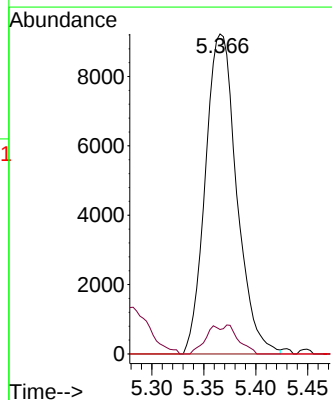
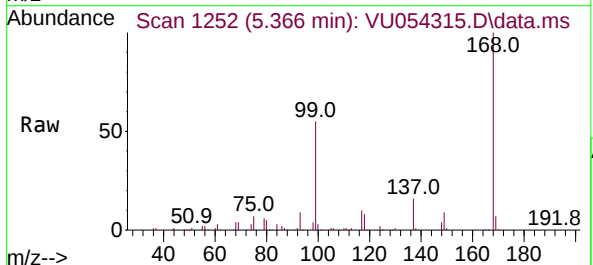
Instrument :
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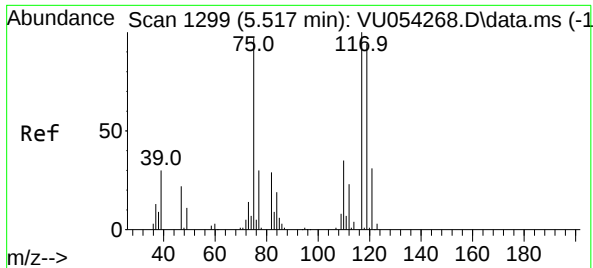
Tgt Ion:113 Resp: 142149
Ion Ratio Lower Upper
113 100
111 102.5 82.1 123.1
192 20.7 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.491 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.154 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

Tgt Ion: 75 Resp: 19361
Ion Ratio Lower Upper
75 100
110 4.3 18.4 55.2#
77 0.0 25.1 37.7#

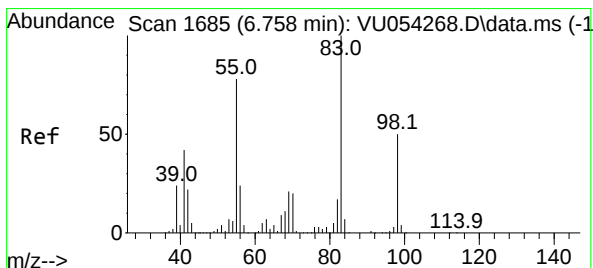
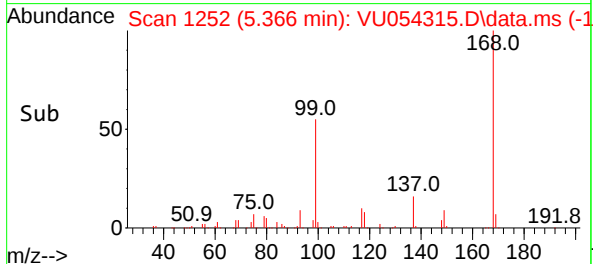
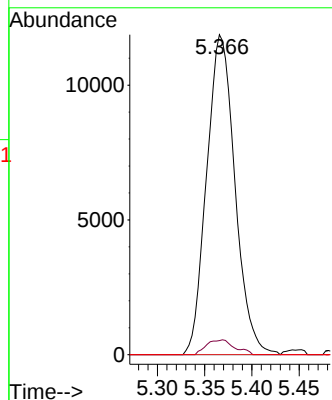
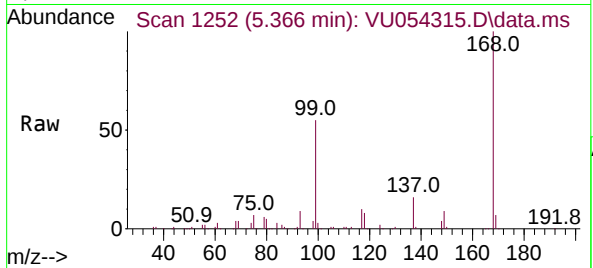




#38
Carbon Tetrachloride
Concen: 5.613 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

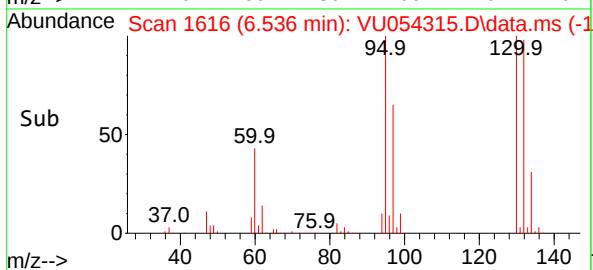
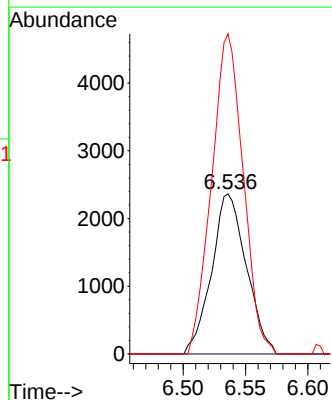
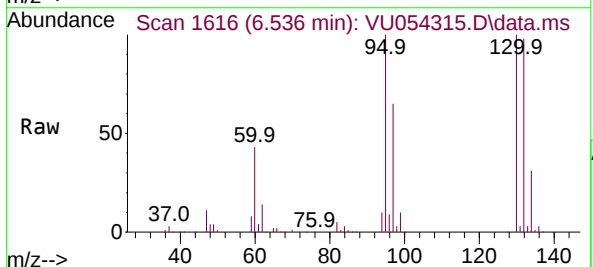
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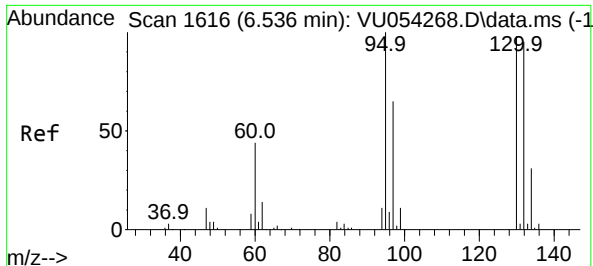
Tgt Ion:117 Resp: 24764
Ion Ratio Lower Upper
117 100
119 4.4 76.8 115.2#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.940 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. -0.222 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

Tgt Ion: 83 Resp: 4589
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 200.0 37.3 55.9#

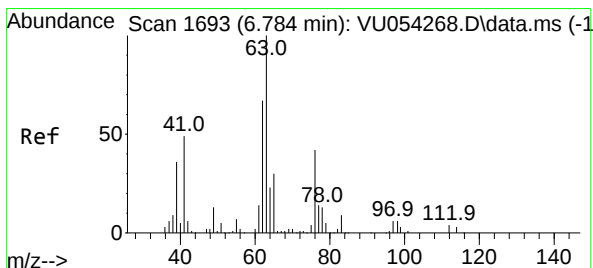
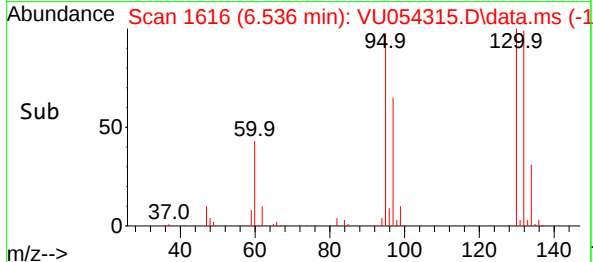
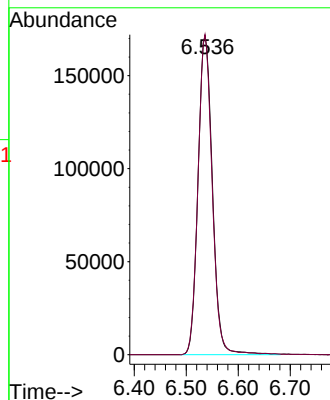
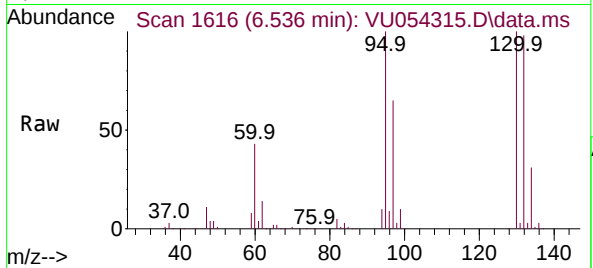




#44
Trichloroethene
Concen: 95.844 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

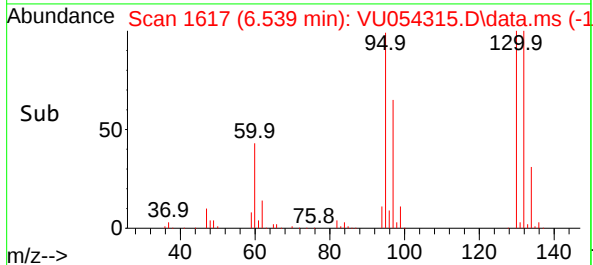
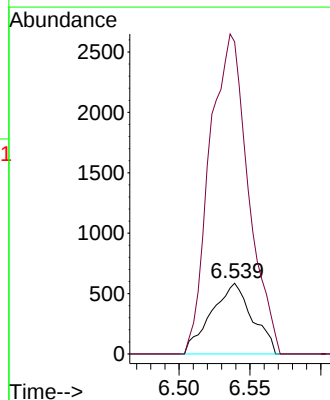
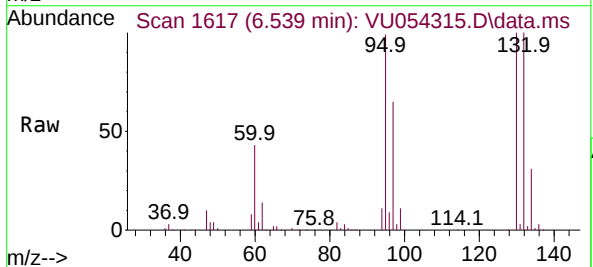
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ClientSampleId :
RE103D3-20230523

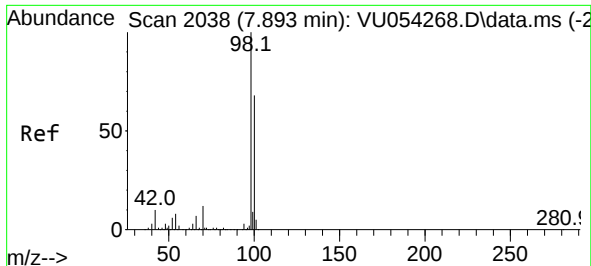
Tgt Ion:130 Resp: 329428
Ion Ratio Lower Upper
130 100
95 100.3 0.0 184.6



#45
1,2-Dichloropropane
Concen: 0.368 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. -0.245 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

Tgt Ion: 63 Resp: 1182
Ion Ratio Lower Upper
63 100
65 441.0 25.0 37.4#

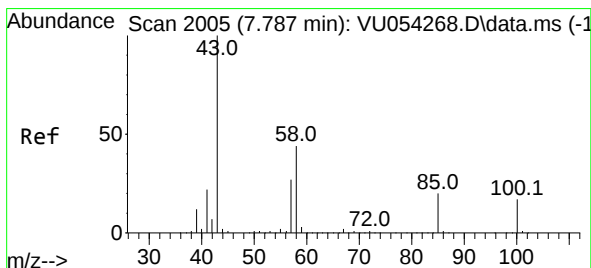
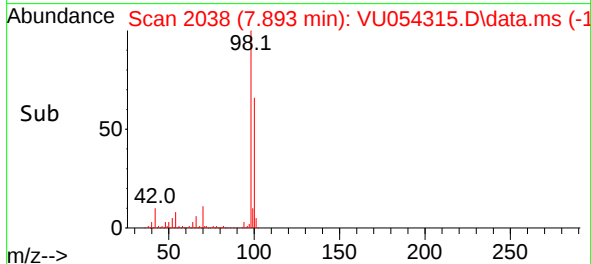
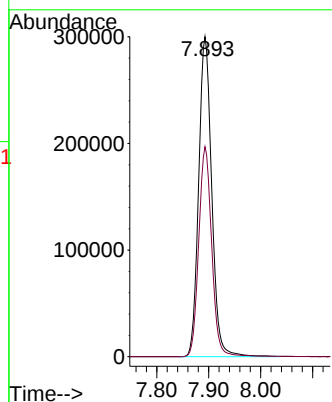
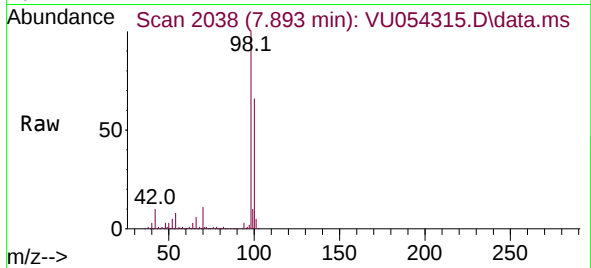




#50
Toluene-d8
Concen: 50.286 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

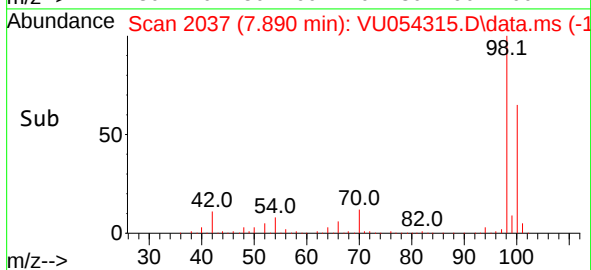
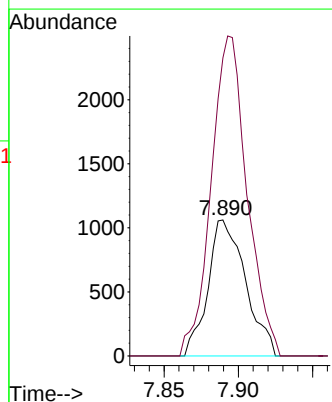
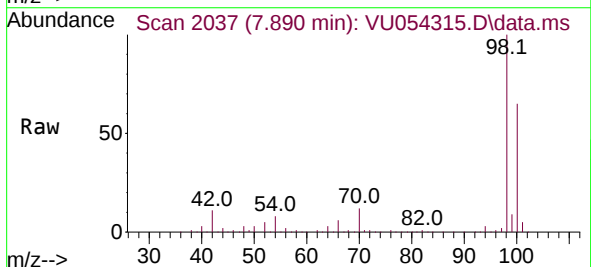
Instrument :
MSVOA_U
ClientSampleId :
RE103D3-20230523

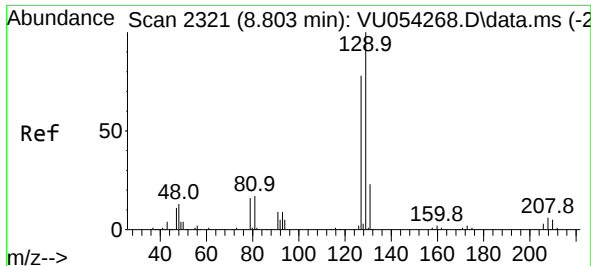
Tgt Ion: 98 Resp: 524947
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.386 ug/l
RT: 7.890 min Scan# 2037
Delta R.T. 0.103 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

Tgt Ion: 43 Resp: 1865
Ion Ratio Lower Upper
43 100
58 225.6 34.7 52.1#

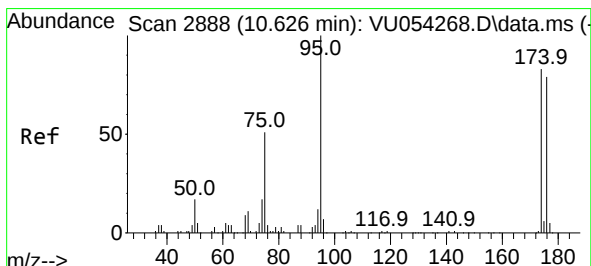
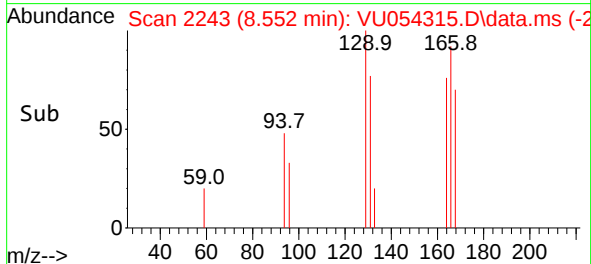
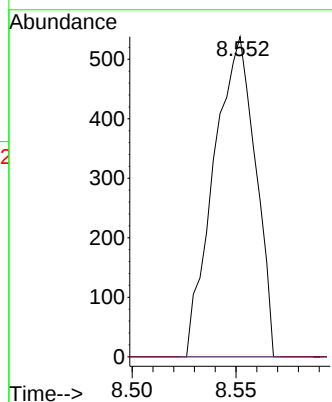
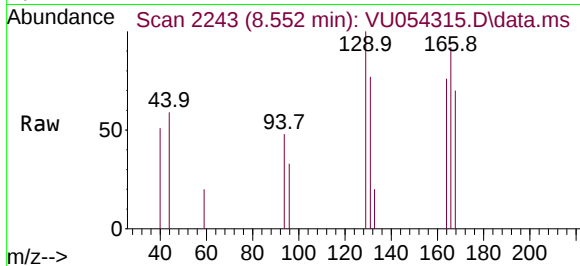




#60
Dibromochloromethane
Concen: 0.227 ug/l
RT: 8.552 min Scan# 211
Delta R.T. -0.251 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

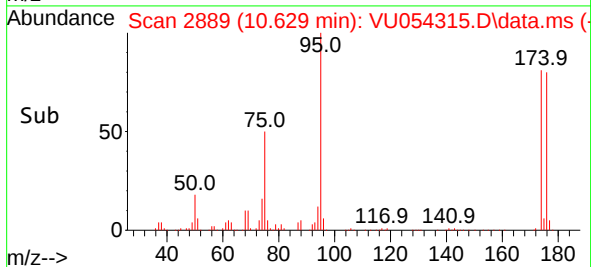
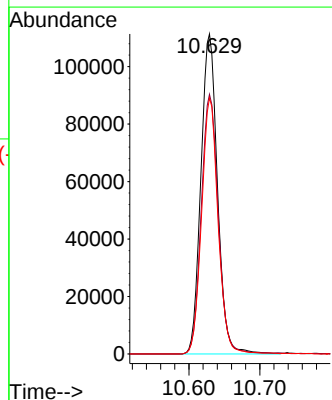
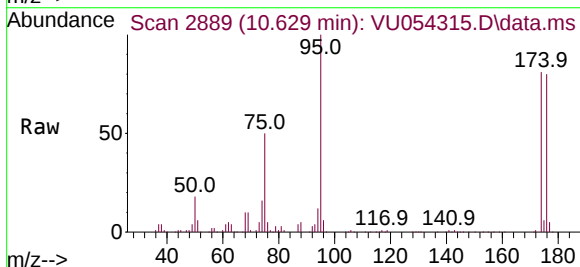
Instrument :
MSVOA_U
ClientSampleId :
RE103D3-20230523

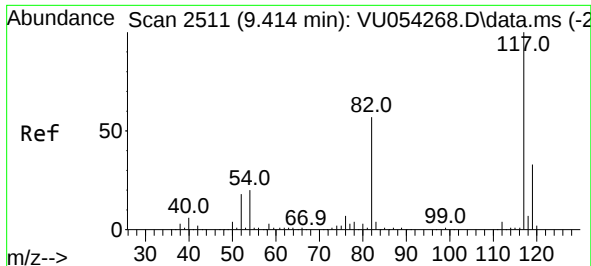
Tgt Ion:129 Resp: 749
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 44.690 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

Tgt Ion: 95 Resp: 180895
Ion Ratio Lower Upper
95 100
174 82.9 0.0 182.0
176 79.5 0.0 177.8

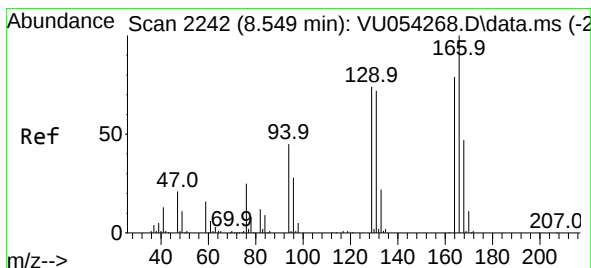
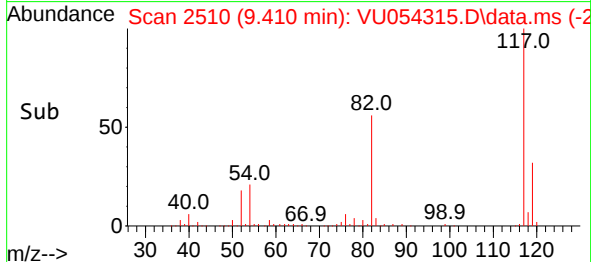
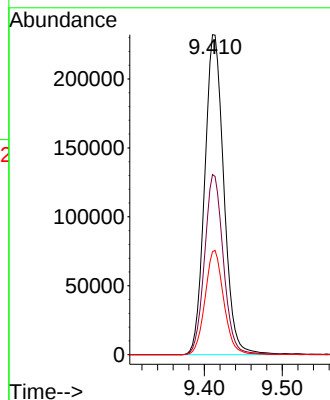
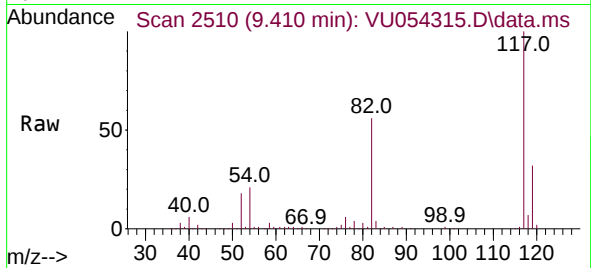




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.410 min Scan# 21
Delta R.T. -0.004 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

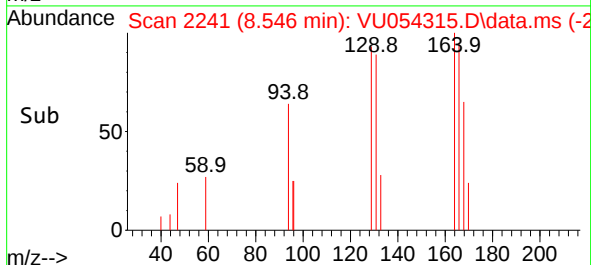
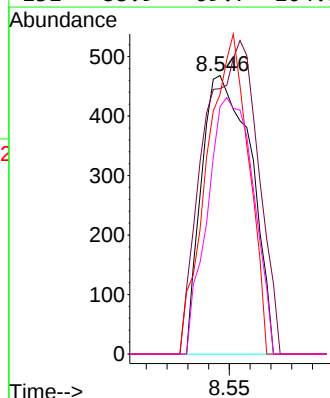
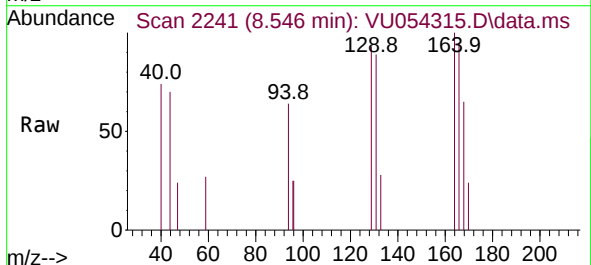
Instrument :
MSVOA_U
ClientSampleId :
RE103D3-20230523

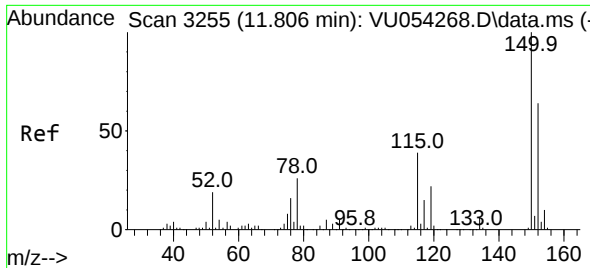
Tgt Ion:117 Resp: 396117
Ion Ratio Lower Upper
117 100
82 56.3 41.7 62.5
119 32.2 25.7 38.5



#64
Tetrachloroethene
Concen: 0.259 ug/l
RT: 8.546 min Scan# 2241
Delta R.T. -0.003 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

Tgt Ion:164 Resp: 773
Ion Ratio Lower Upper
164 100
166 95.3 100.0 150.0#
129 93.2 72.0 108.0
131 88.9 69.7 104.5

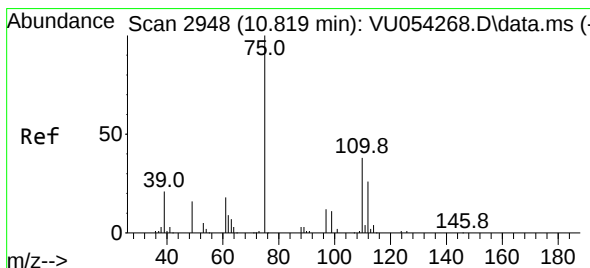
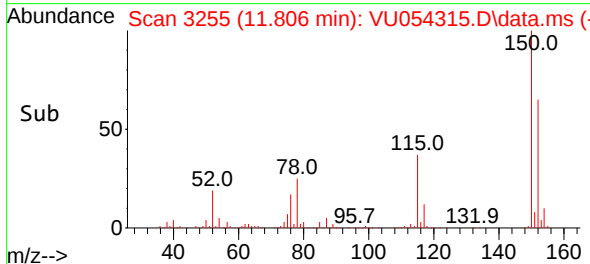
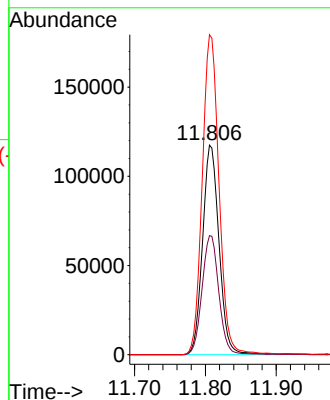
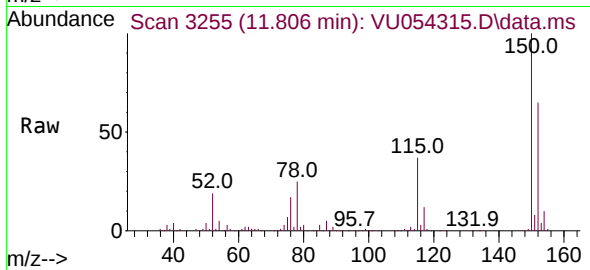




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

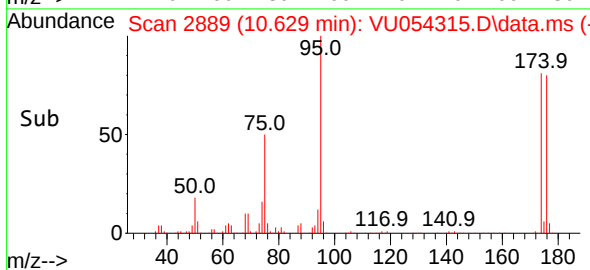
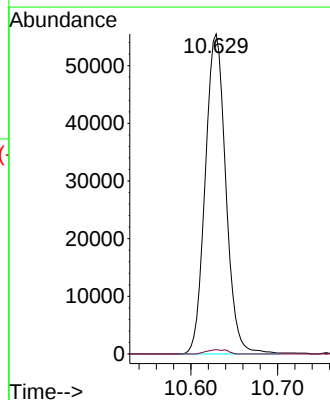
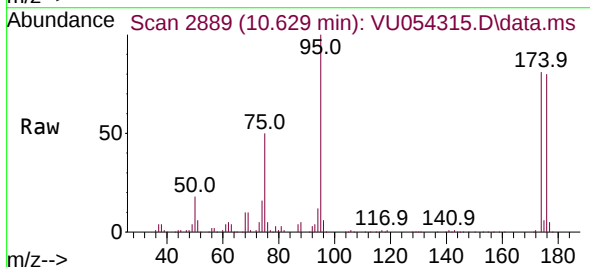
Instrument :
MSVOA_U
ClientSampleId :
RE103D3-20230523

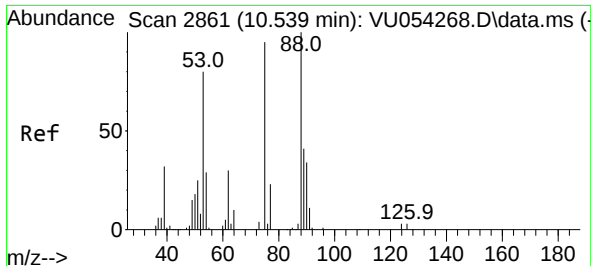
Tgt Ion:152 Resp: 189531
Ion Ratio Lower Upper
152 100
115 57.8 37.0 110.9
150 155.7 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 16.558 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.190 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

Tgt Ion: 75 Resp: 91591
Ion Ratio Lower Upper
75 100
77 1.4 15.8 47.3#

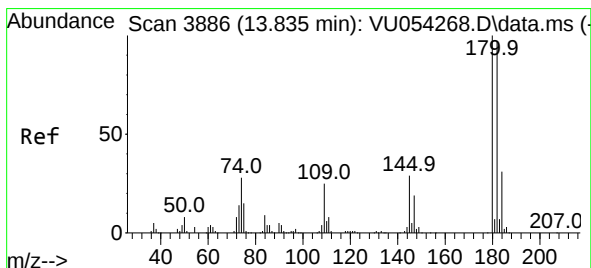
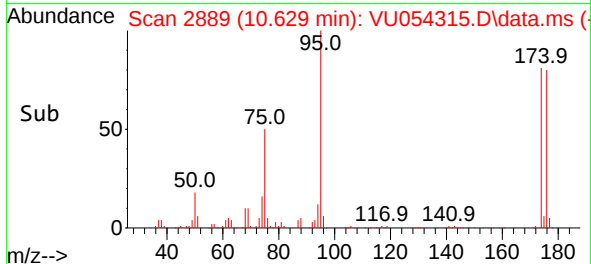
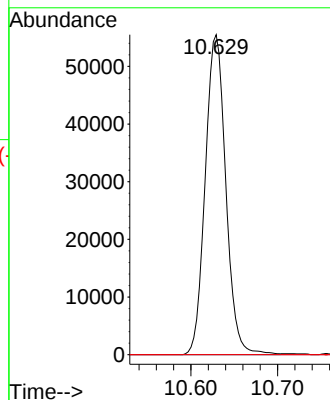
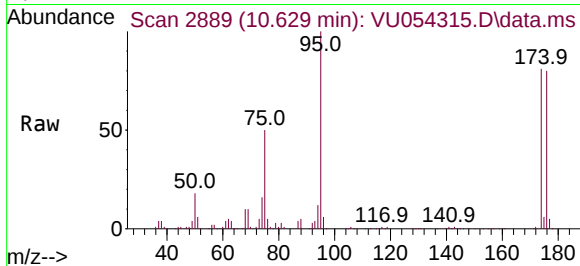




#81
trans-1,4-Dichloro-2-butene
Concen: 63.051 ug/l
RT: 10.629 min Scan# 21
Delta R.T. 0.090 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

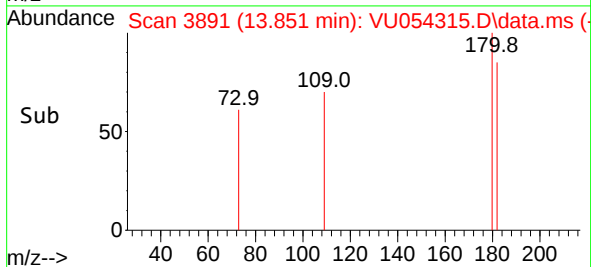
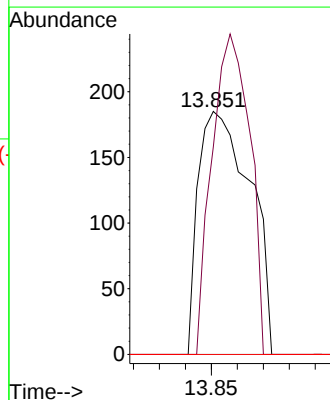
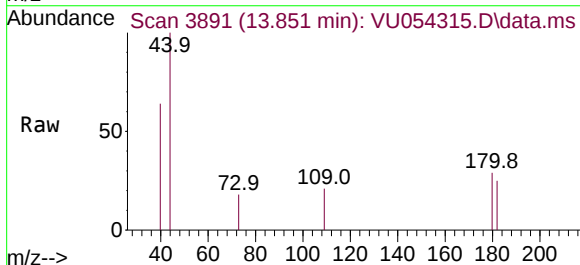
Instrument :
MSVOA_U
ClientSampleId :
RE103D3-20230523

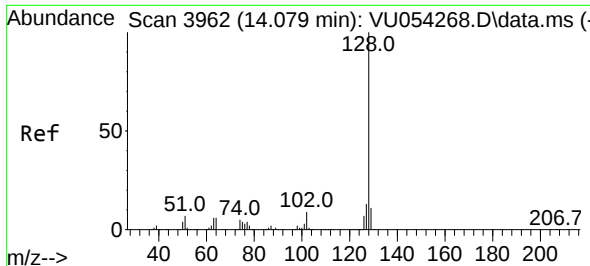
Tgt Ion: 75 Resp: 91591
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.700 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.016 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

Tgt Ion:180 Resp: 257
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.6
145 0.0 14.0 41.9#

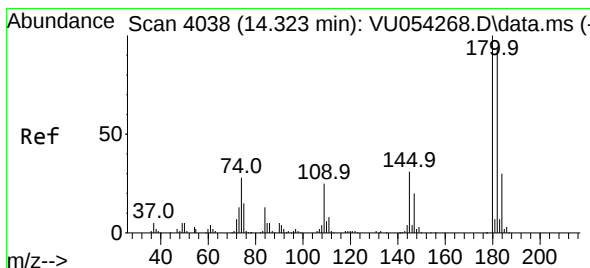
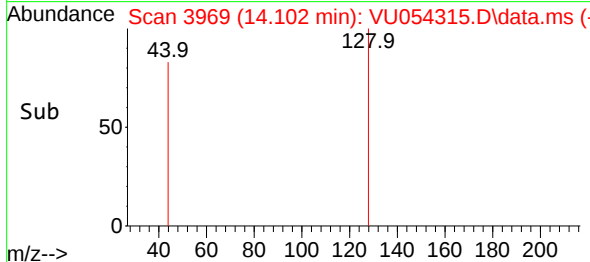
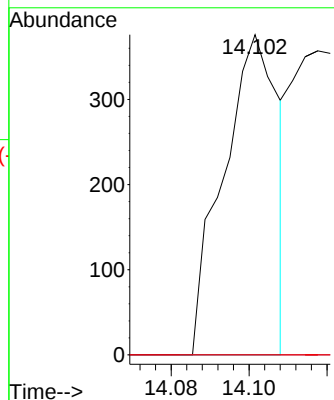
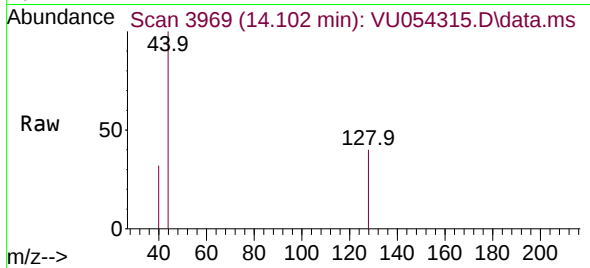




#95
Naphthalene
Concen: 2.017 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.023 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

Instrument :
MSVOA_U
ClientSampleId :
RE103D3-20230523

Tgt Ion:128 Resp: 369
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.300 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.013 min
Lab File: VU054315.D
Acq: 30 May 2023 15:45

Tgt Ion:180 Resp: 200
Ion Ratio Lower Upper
180 100
182 49.0 48.4 145.0
145 0.0 14.8 44.4#

