

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054314.D
 Acq On : 30 May 2023 15:22
 Operator : JC/MD
 Sample : 02912-08DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE115D1-20230522DL

Quant Time: May 31 06:27:24 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)

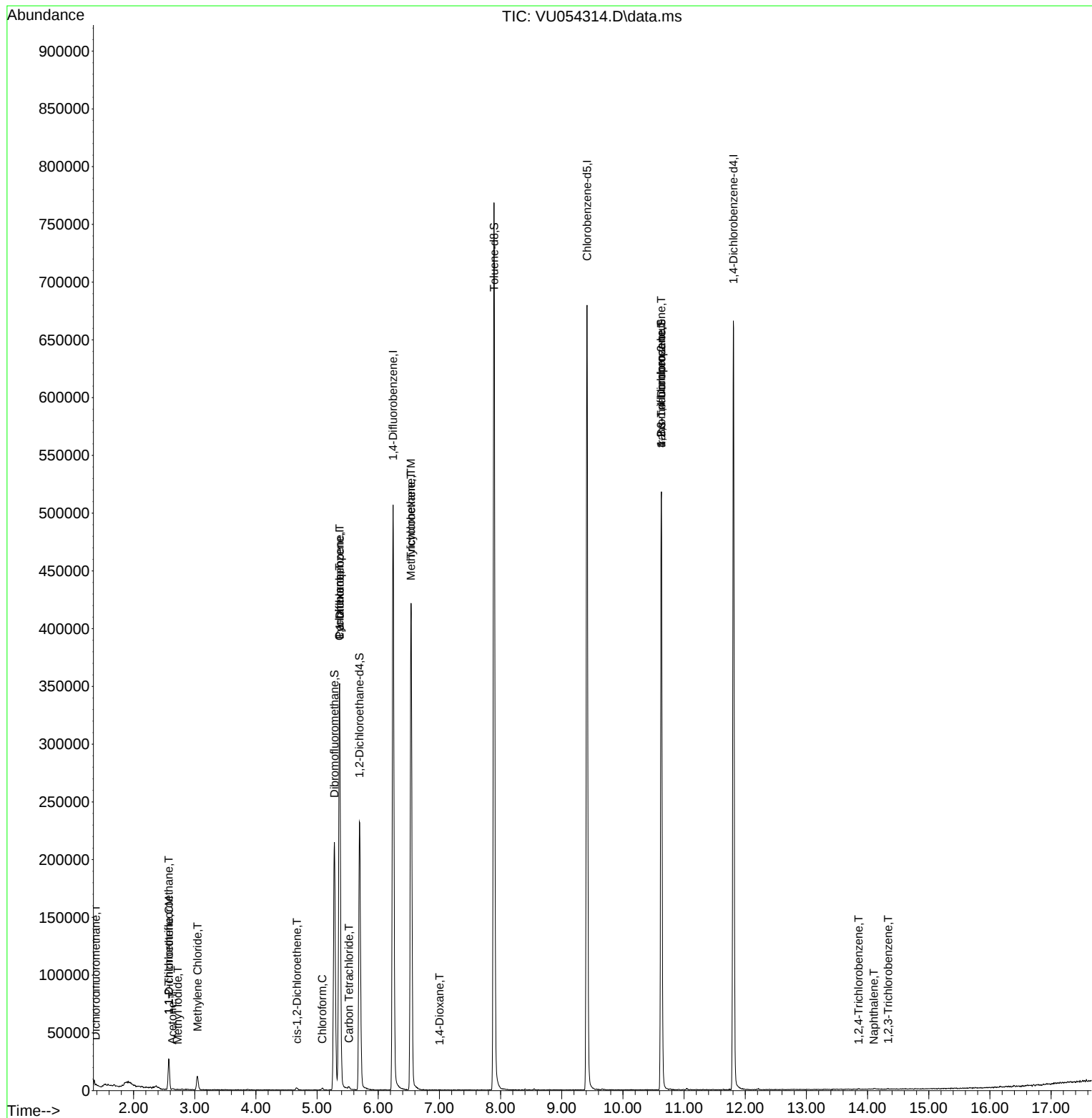
Internal Standards						
1) Pentafluorobenzene	5.369	168	254593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	423973	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	394495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	182637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	175813	52.679	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.360%	
35) Dibromofluoromethane	5.282	113	138560	50.749	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.500%	
50) Toluene-d8	7.893	98	523116	50.372	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.740%	
62) 4-Bromofluorobenzene	10.629	95	175536	43.592	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.180%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	570	0.201	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.575	101	7618	2.880	ug/l	93
10) Methyl Iodide	2.723	142	98	2.361	ug/l #	43
12) 1,1-Dichloroethene	2.578	96	3079	1.124	ug/l	96
16) Acetone	2.636	43	1056	0.552	ug/l	92
20) Methylene Chloride	3.044	84	6618	1.918	ug/l #	91
27) cis-1,2-Dichloroethene	4.671	96	972	0.298	ug/l	78
30) Chloroform	5.086	83	1377	0.251	ug/l #	83
31) Cyclohexane	5.366	56	4605	0.977	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	19250	4.489	ug/l #	49
38) Carbon Tetrachloride	5.520	117	1679	0.383	ug/l	85
39) Methylcyclohexane	6.533	83	1945	0.400	ug/l #	1
44) Trichloroethene	6.536	130	151243	44.232	ug/l	94
49) 1,4-Dioxane	7.002	88	71	0.769	ug/l #	1
76) 1,2,3-Trichloropropane	10.629	75	88545	16.611	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.629	75	88545	63.255	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.851	180	267	1.705	ug/l #	52
95) Naphthalene	14.105	128	881	2.054	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.336	180	293	1.323	ug/l #	37

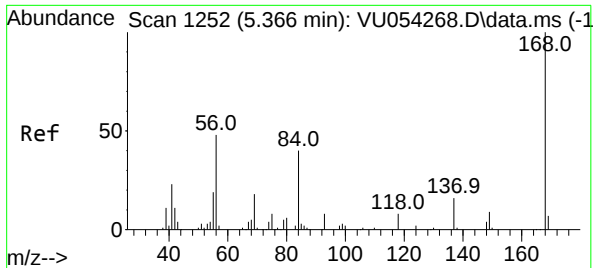
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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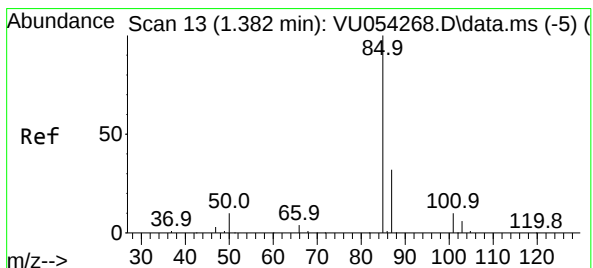
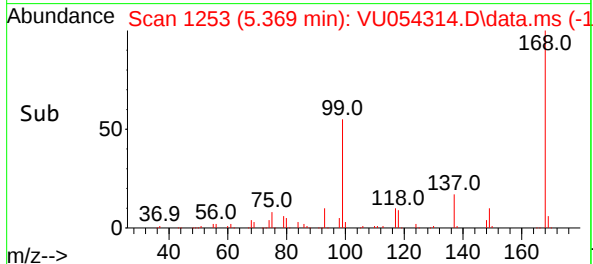
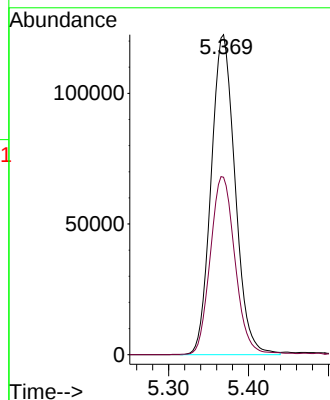
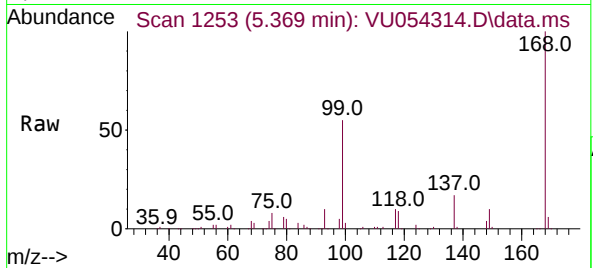




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

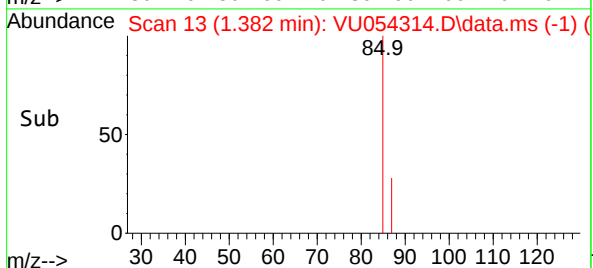
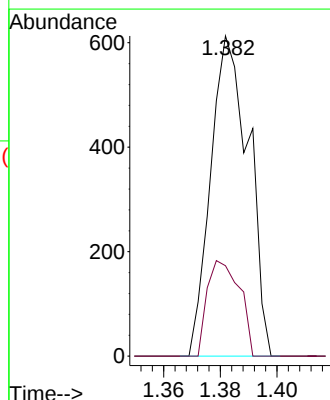
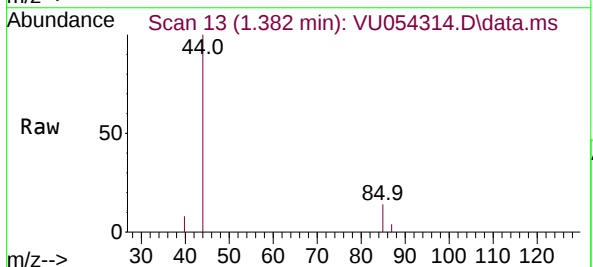
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522DL

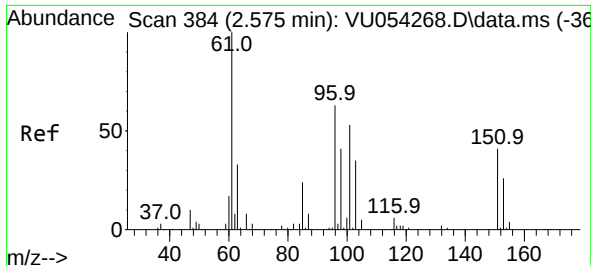
Tgt Ion:168 Resp: 254593
Ion Ratio Lower Upper
168 100
99 55.4 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 0.201 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion: 85 Resp: 570
Ion Ratio Lower Upper
85 100
87 28.2 16.4 49.2

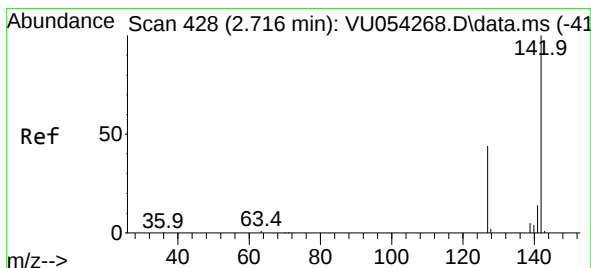
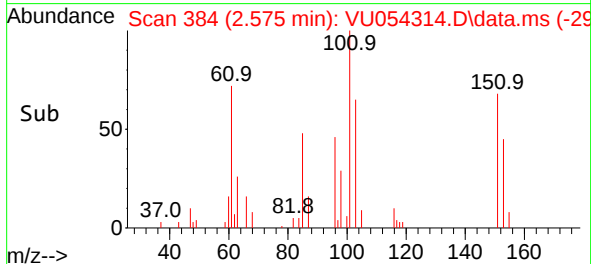
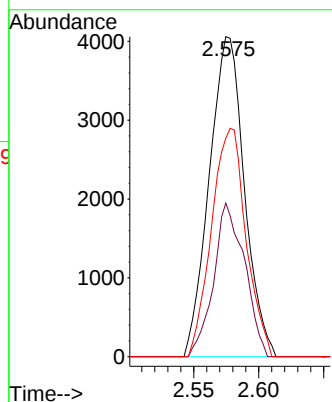
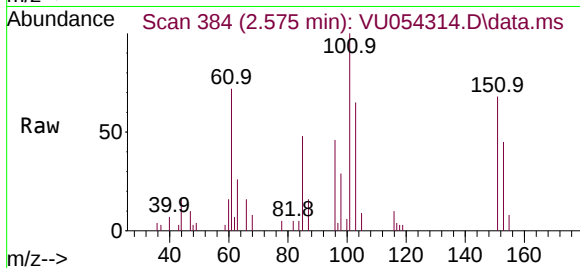




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.880 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

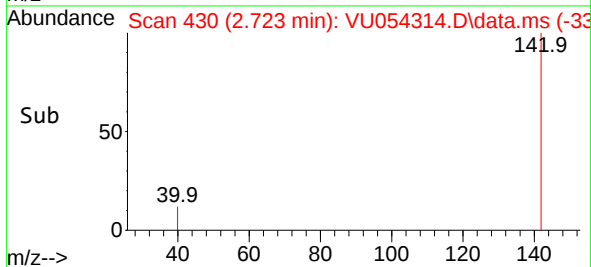
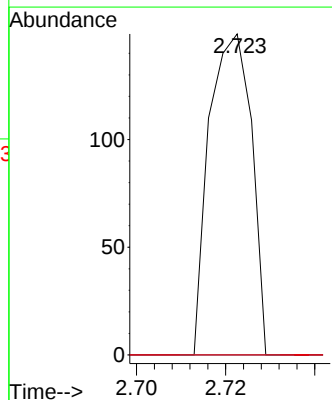
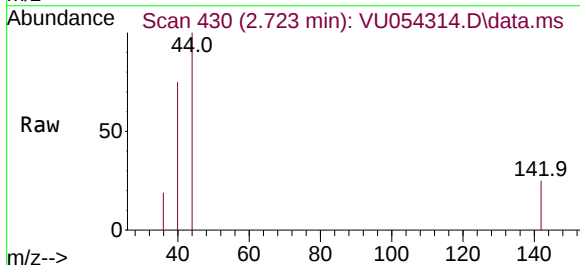
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522DL

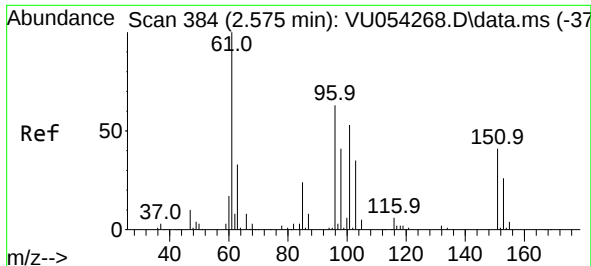
Tgt Ion:	101	Resp:	7618
Ion	Ratio	Lower	Upper
101	100		
85	42.2	33.9	50.9
151	70.0	64.0	96.0



#10
Methyl Iodide
Concen: 2.361 ug/l
RT: 2.723 min Scan# 430
Delta R.T. 0.007 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion:	142	Resp:	98
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: 1.124 ug/l

RT: 2.578 min Scan# 384

Delta R.T. 0.003 min

Lab File: VU054314.D

Acq: 30 May 2023 15:22

Instrument :

MSVOA_U

ClientSampleId :

RE115D1-20230522DL

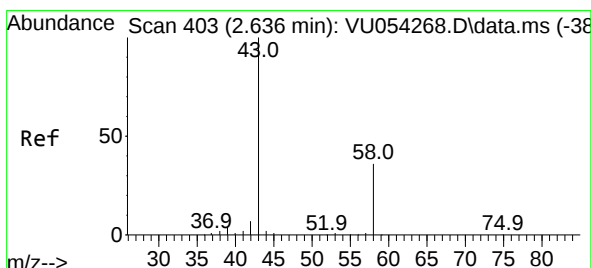
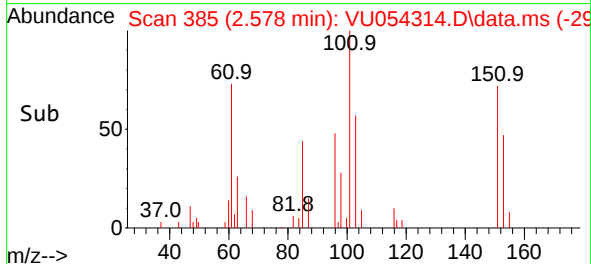
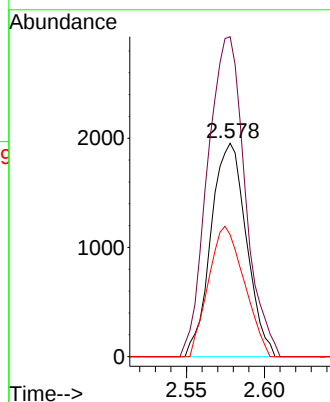
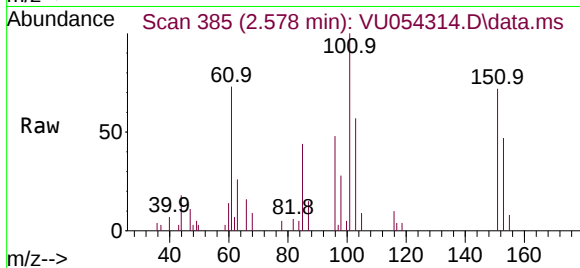
Tgt Ion: 96 Resp: 3079

Ion Ratio Lower Upper

96 100

61 149.9 122.2 183.2

98 57.1 50.7 76.1



#16

Acetone

Concen: 0.552 ug/l

RT: 2.636 min Scan# 403

Delta R.T. -0.000 min

Lab File: VU054314.D

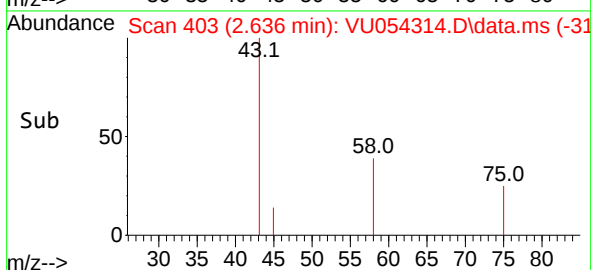
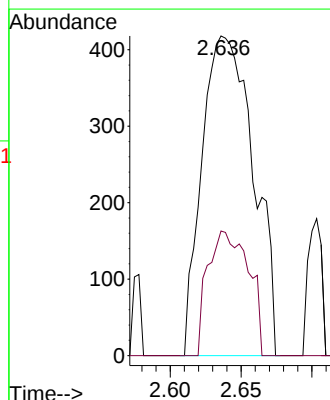
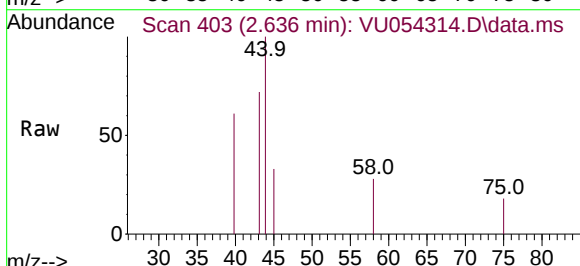
Acq: 30 May 2023 15:22

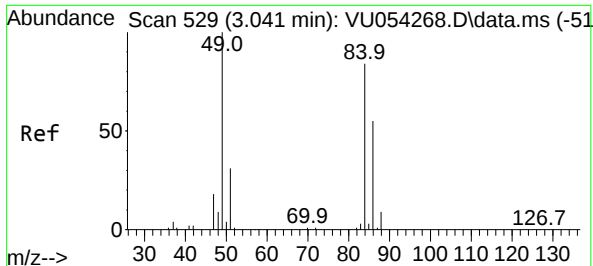
Tgt Ion: 43 Resp: 1056

Ion Ratio Lower Upper

43 100

58 39.0 27.5 41.3

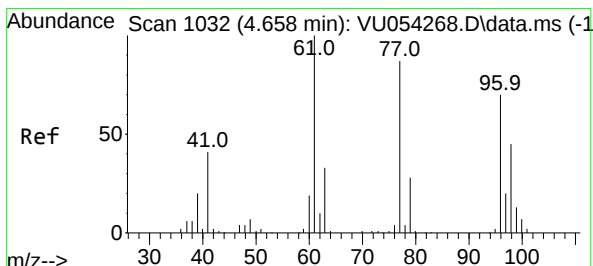
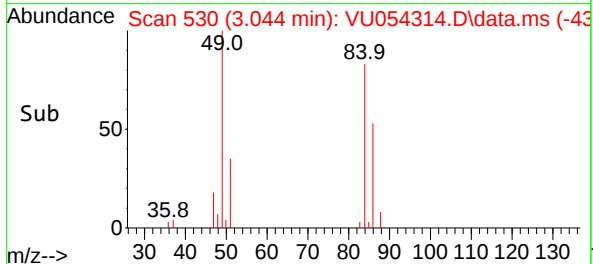
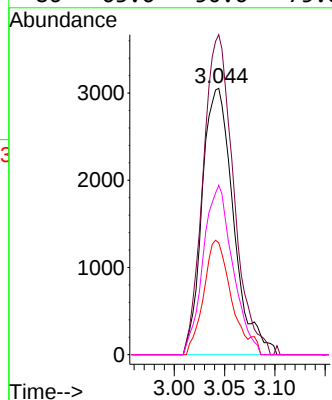
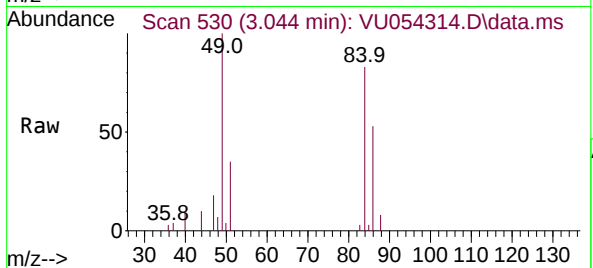




#20
Methylene Chloride
Concen: 1.918 ug/l
RT: 3.044 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

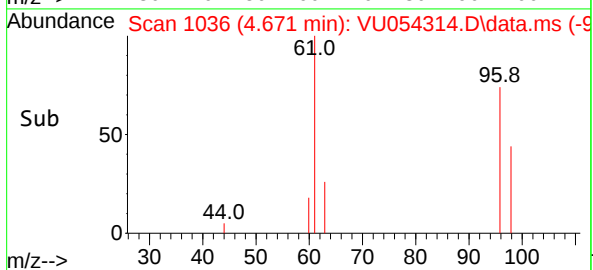
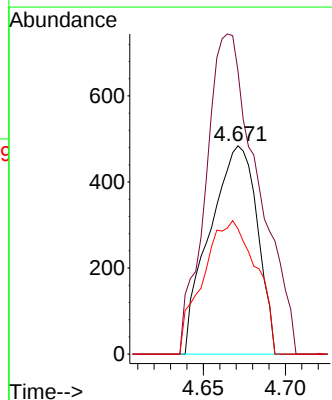
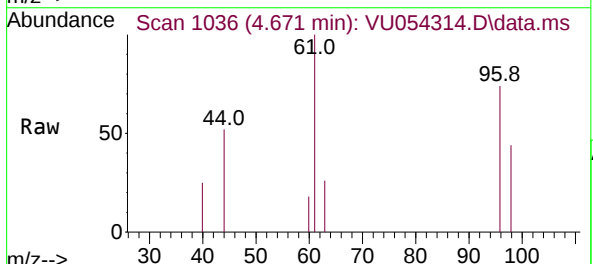
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522DL

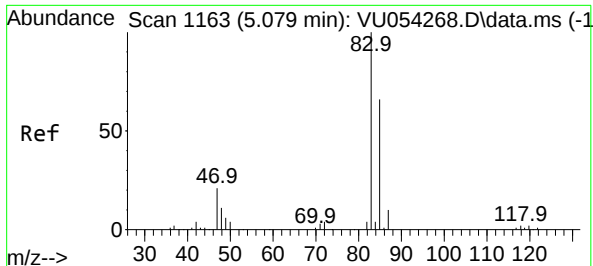
Tgt Ion:	84	Resp:	6618
Ion	Ratio	Lower	Upper
84	100		
49	120.1	86.6	129.8
51	42.0	26.6	40.0#
86	63.6	50.6	75.8



#27
cis-1,2-Dichloroethene
Concen: 0.298 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.013 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion:	96	Resp:	972
Ion	Ratio	Lower	Upper
96	100		
61	169.0	0.0	271.6
98	71.8	0.0	128.2





#30

Chloroform

Concen: 0.251 ug/l

RT: 5.086 min Scan# 1165

Delta R.T. 0.007 min

Lab File: VU054314.D

Acq: 30 May 2023 15:22

Instrument :

MSVOA_U

ClientSampleId :

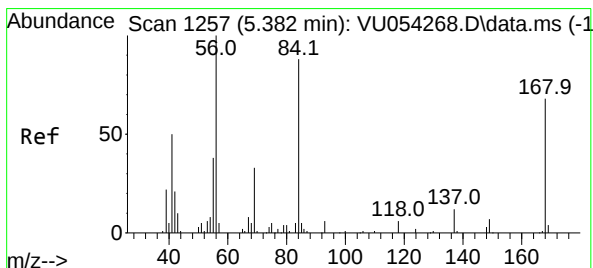
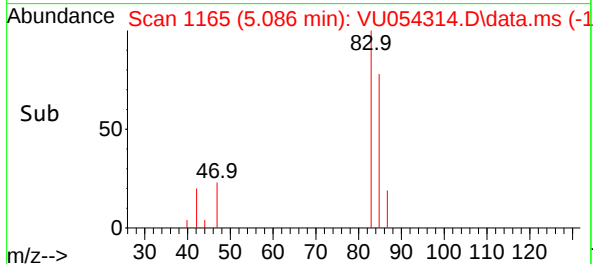
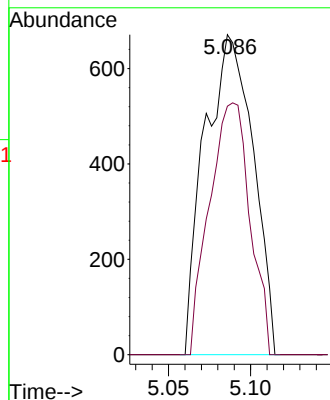
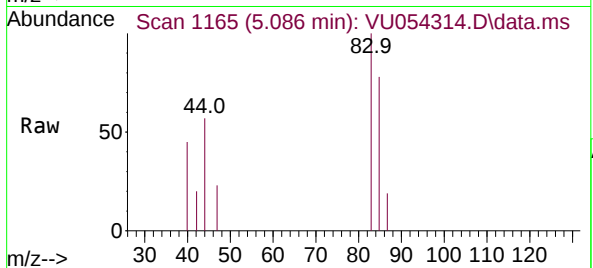
RE115D1-20230522DL

Tgt Ion: 83 Resp: 1377

Ion Ratio Lower Upper

83 100

85 77.6 51.2 76.8#



#31

Cyclohexane

Concen: 0.977 ug/l

RT: 5.366 min Scan# 1252

Delta R.T. -0.016 min

Lab File: VU054314.D

Acq: 30 May 2023 15:22

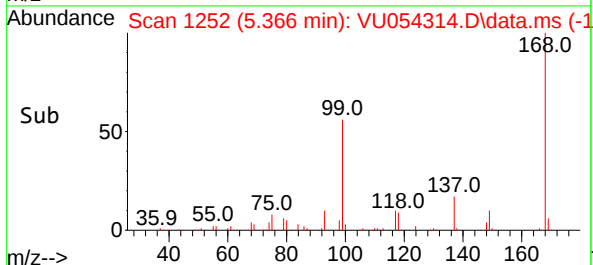
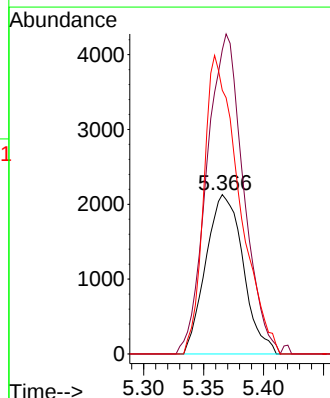
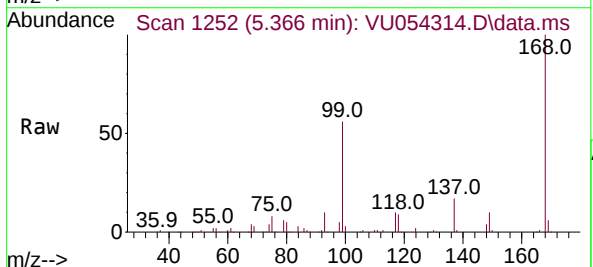
Tgt Ion: 56 Resp: 4605

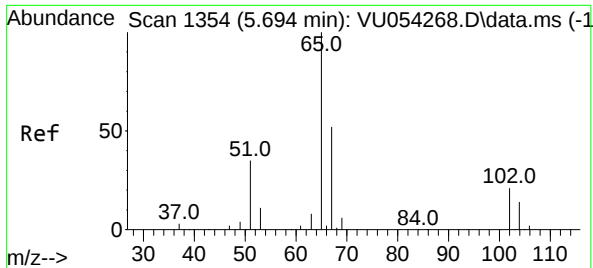
Ion Ratio Lower Upper

56 100

69 190.8 27.8 41.8#

84 165.5 74.2 111.4#

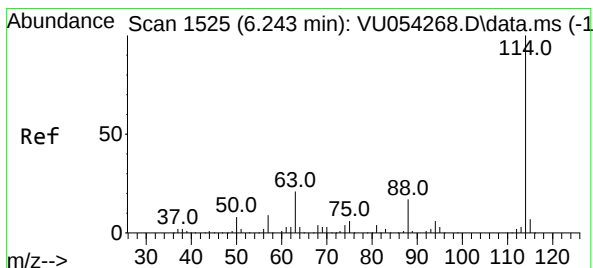
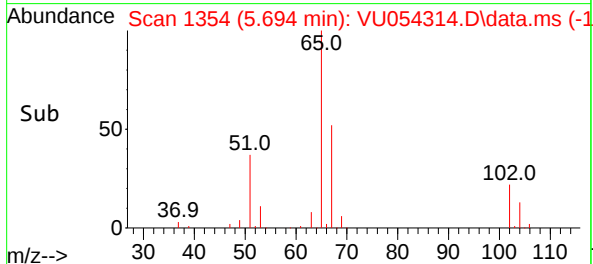
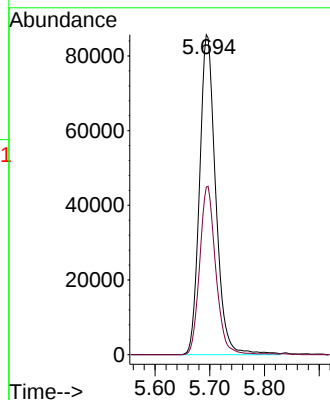
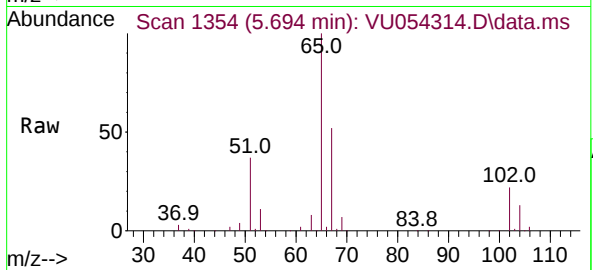




#33
1,2-Dichloroethane-d4
Concen: 52.679 ug/l
RT: 5.694 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

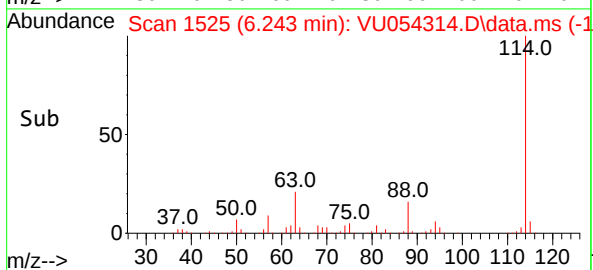
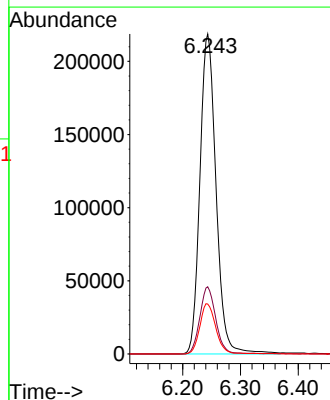
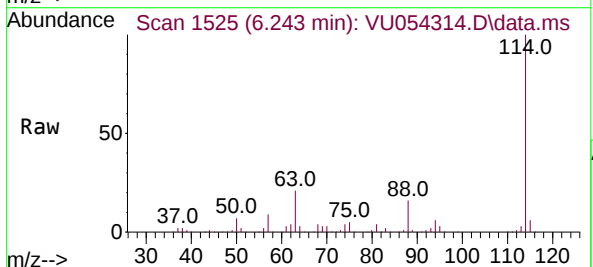
Instrument :
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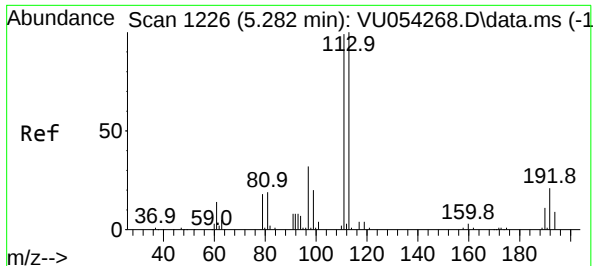
Tgt Ion: 65 Resp: 175813
Ion Ratio Lower Upper
65 100
67 52.2 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.243 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion: 114 Resp: 423973
Ion Ratio Lower Upper
114 100
63 21.0 0.0 37.8
88 15.6 0.0 29.2

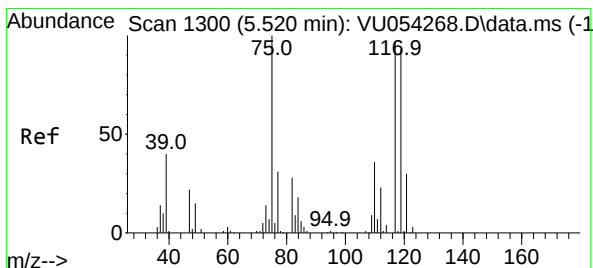
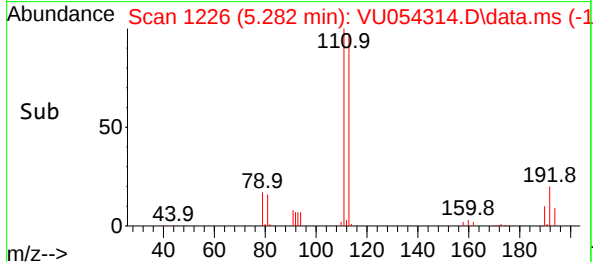
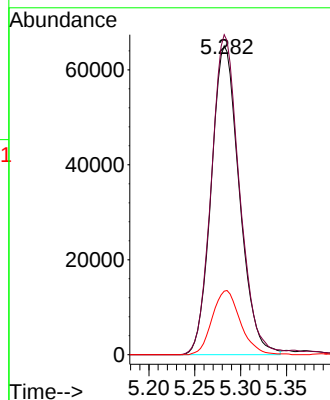
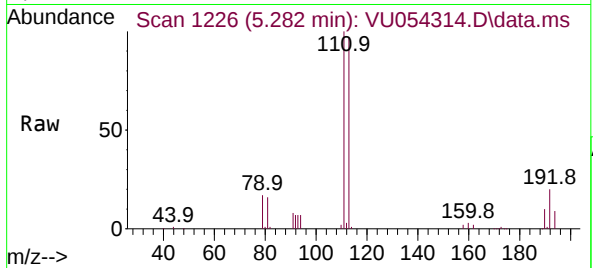




#35
Dibromofluoromethane
Concen: 50.749 ug/l
RT: 5.282 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

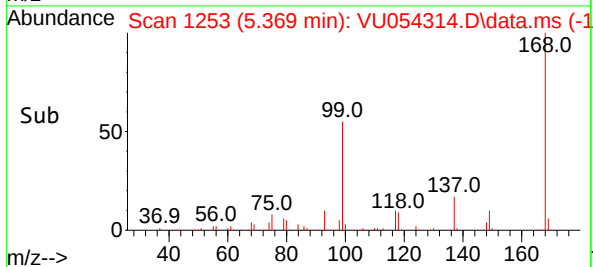
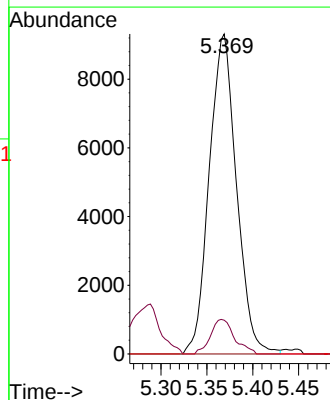
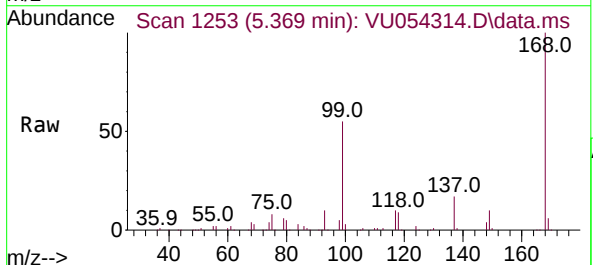
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522DL

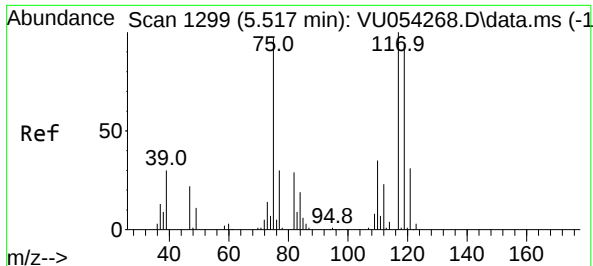
Tgt Ion:113 Resp: 138560
Ion Ratio Lower Upper
113 100
111 103.5 82.1 123.1
192 20.8 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.489 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.151 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion: 75 Resp: 19250
Ion Ratio Lower Upper
75 100
110 9.5 18.4 55.2#
77 0.0 25.1 37.7#

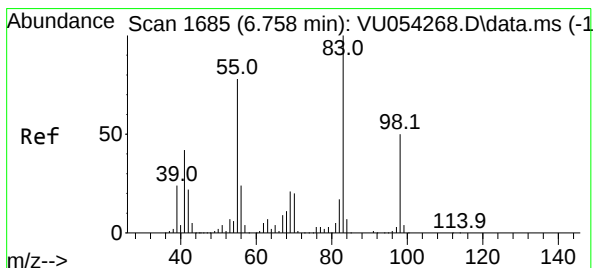
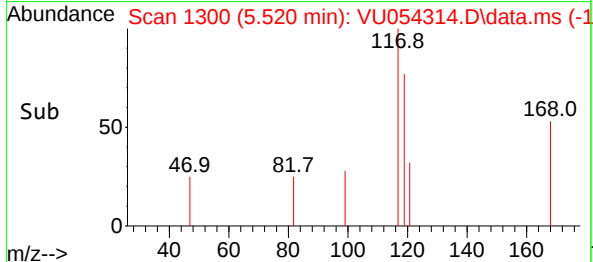
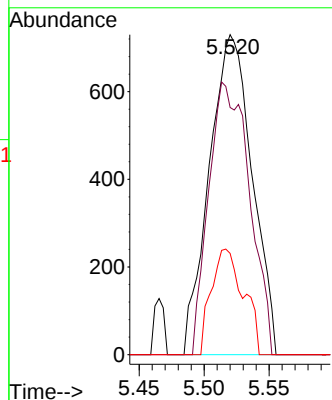
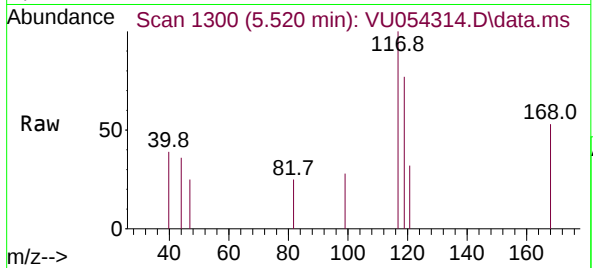




#38
Carbon Tetrachloride
Concen: 0.383 ug/l
RT: 5.520 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

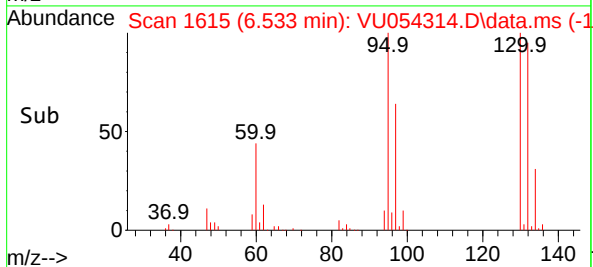
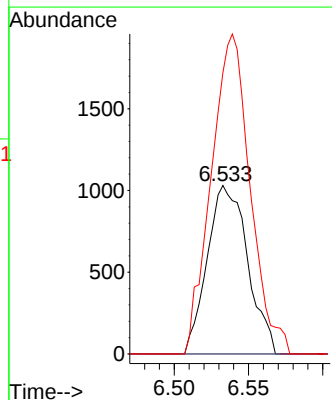
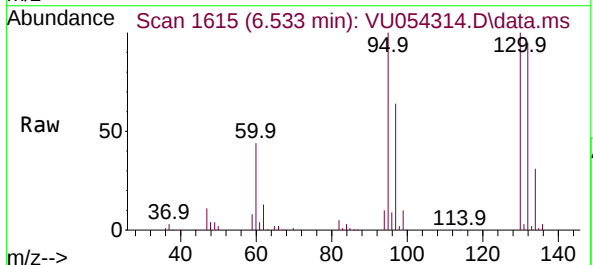
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522DL

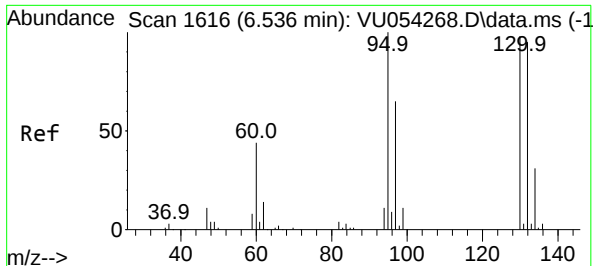
Tgt Ion:117 Resp: 1679
Ion Ratio Lower Upper
117 100
119 77.3 76.8 115.2
121 31.6 24.7 37.1



#39
Methylcyclohexane
Concen: 0.400 ug/l
RT: 6.533 min Scan# 1615
Delta R.T. -0.225 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion: 83 Resp: 1945
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 167.0 37.3 55.9#

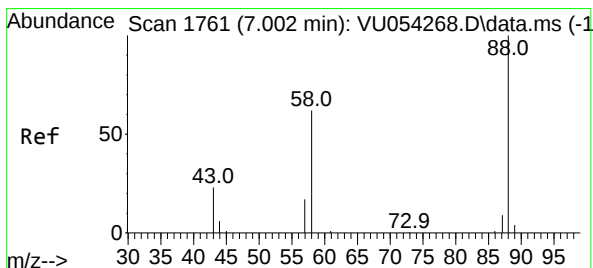
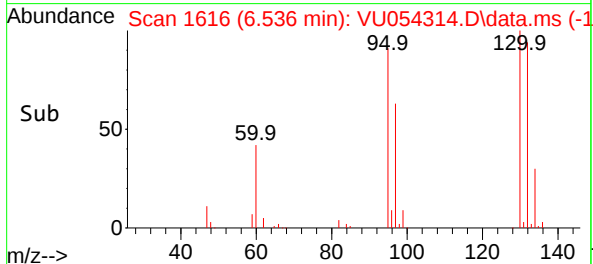
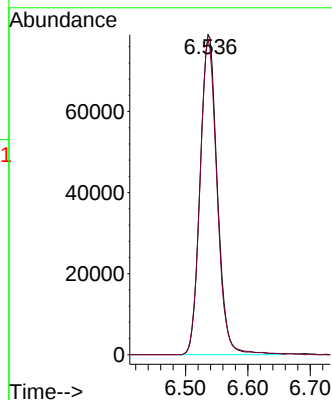
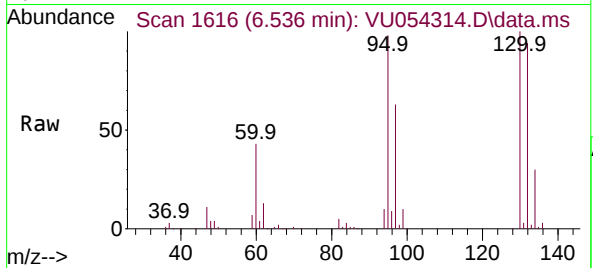




#44
Trichloroethene
Concen: 44.232 ug/l
RT: 6.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

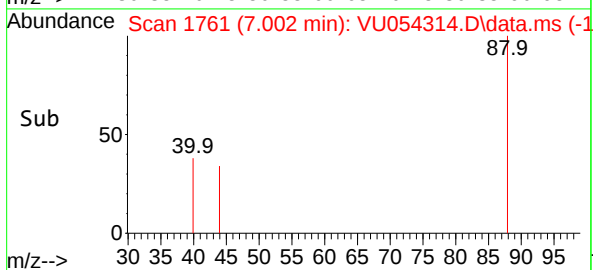
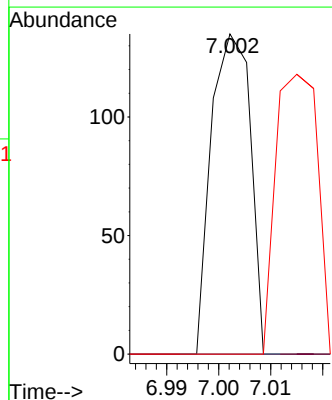
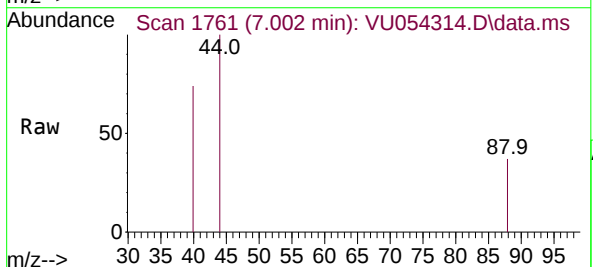
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522DL

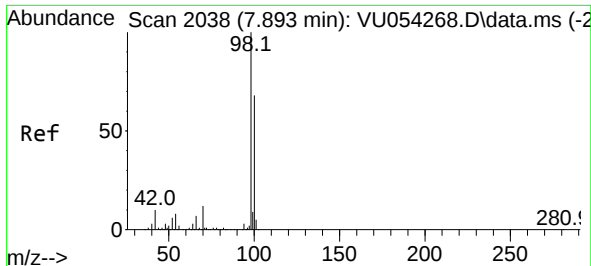
Tgt Ion:130 Resp: 151243
Ion Ratio Lower Upper
130 100
95 98.5 0.0 184.6



#49
1,4-Dioxane
Concen: 0.769 ug/l
RT: 7.002 min Scan# 1761
Delta R.T. 0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 93.0 15.4 23.0#

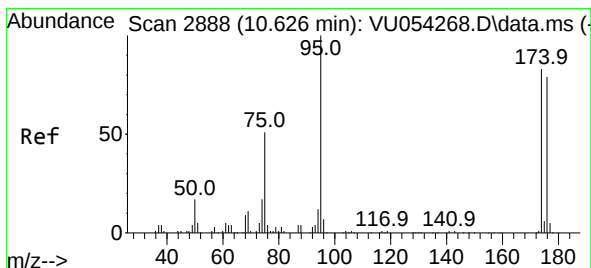
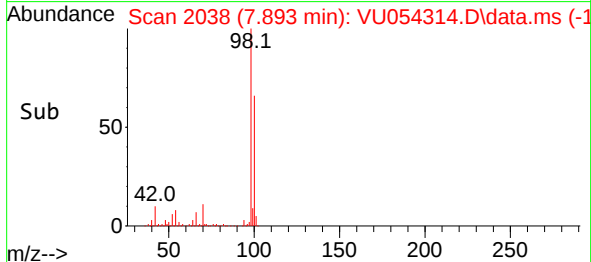
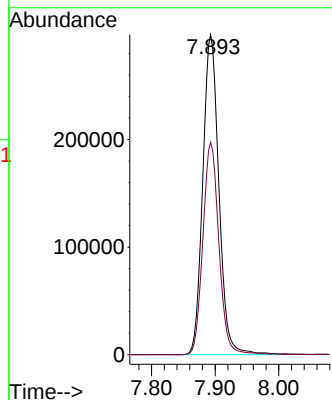
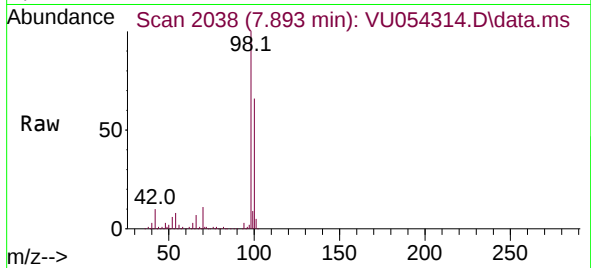




#50
Toluene-d8
Concen: 50.372 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

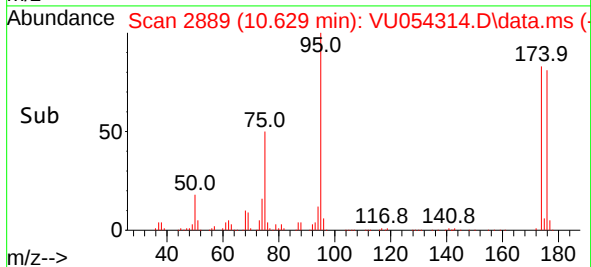
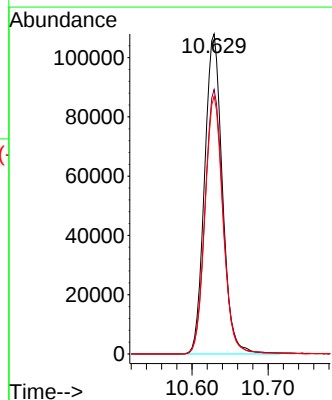
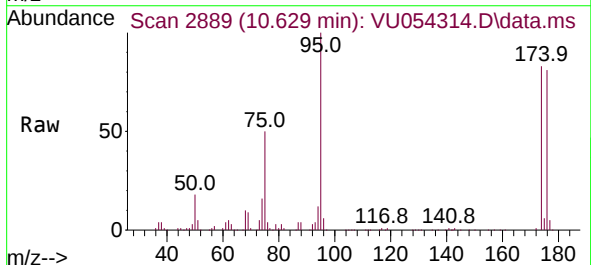
Instrument : MSVOA_U
ClientSampleId : RE115D1-20230522DL

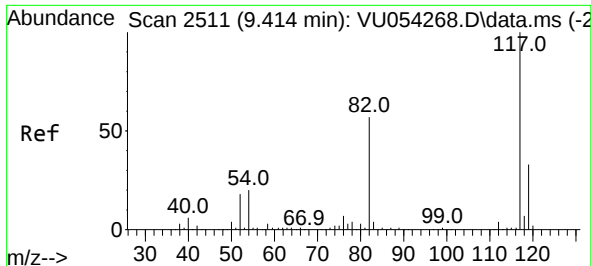
Tgt Ion: 98 Resp: 523116
Ion Ratio Lower Upper
98 100
100 66.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 43.592 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion: 95 Resp: 175536
Ion Ratio Lower Upper
95 100
174 83.9 0.0 182.0
176 81.2 0.0 177.8

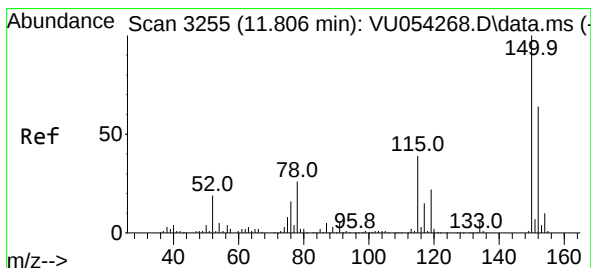
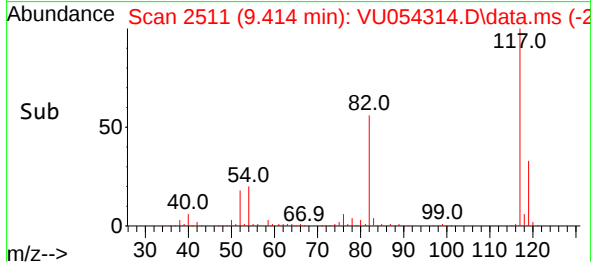
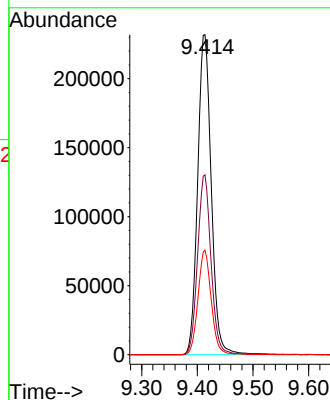
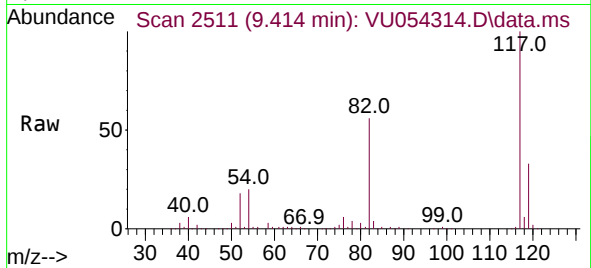




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

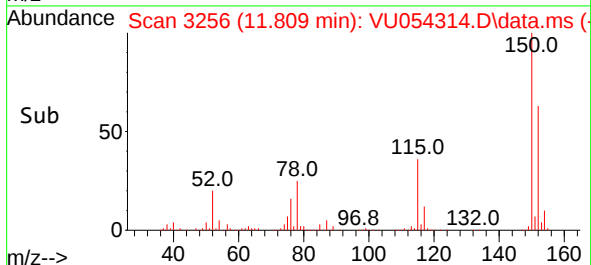
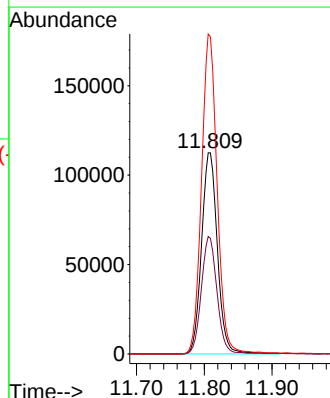
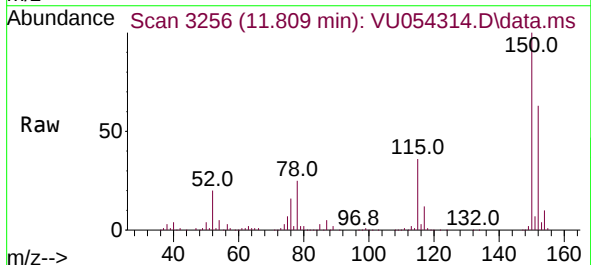
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522DL

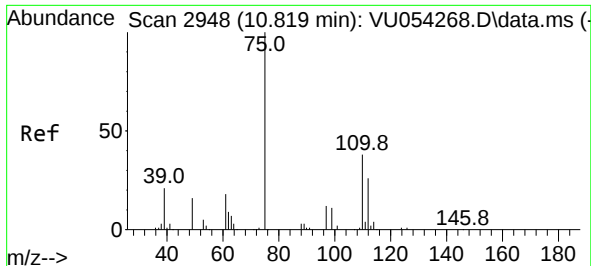
Tgt Ion:117 Resp: 394495
Ion Ratio Lower Upper
117 100
82 56.2 41.7 62.5
119 32.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.809 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion:152 Resp: 182637
Ion Ratio Lower Upper
152 100
115 57.5 37.0 110.9
150 156.0 0.0 342.2

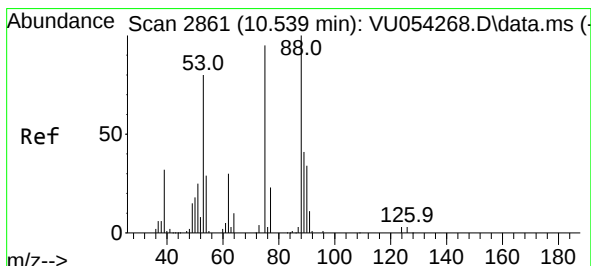
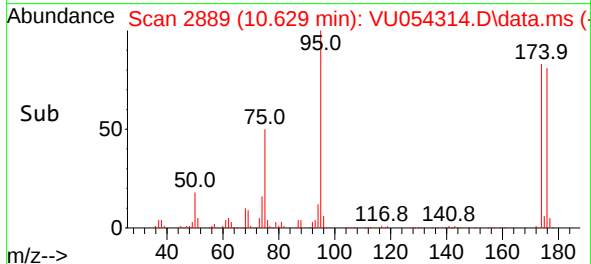
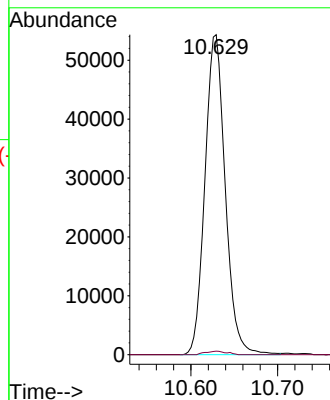
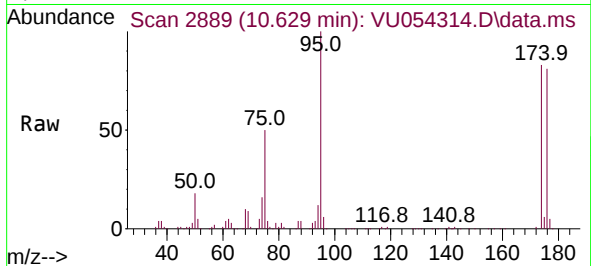




#76
1,2,3-Trichloropropane
Concen: 16.611 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.190 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

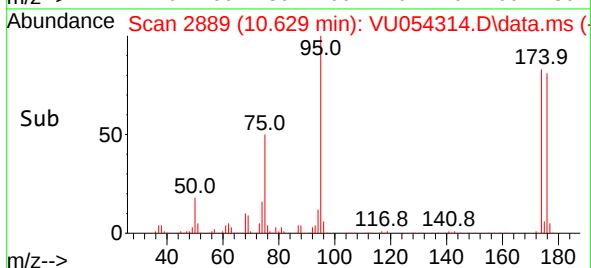
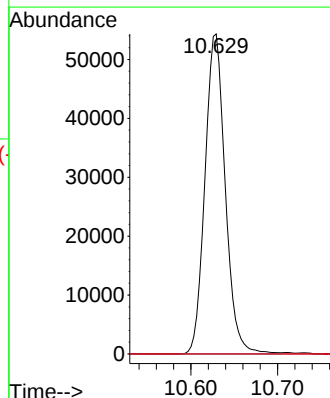
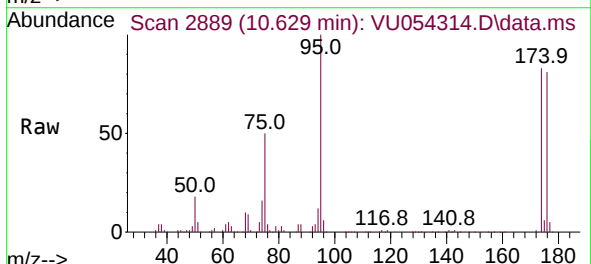
Instrument :
MSVOA_U
ClientSampleId :
RE115D1-20230522DL

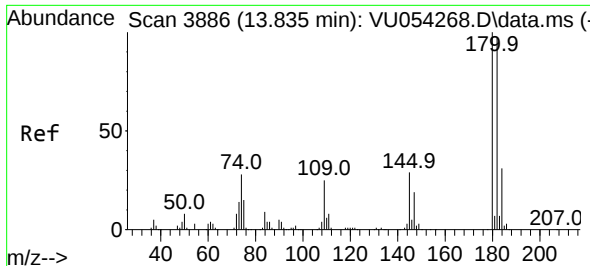
Tgt Ion: 75 Resp: 88545
Ion Ratio Lower Upper
75 100
77 1.1 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.255 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.090 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion: 75 Resp: 88545
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#

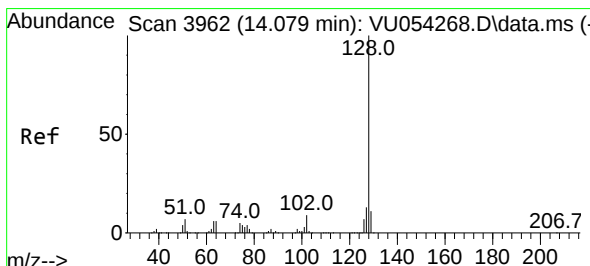
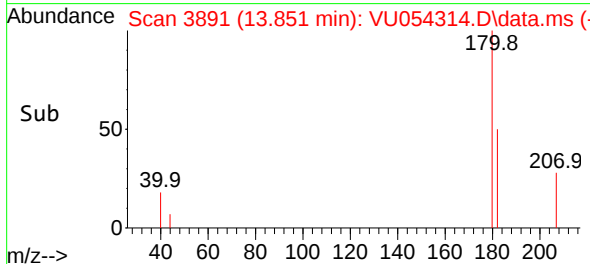
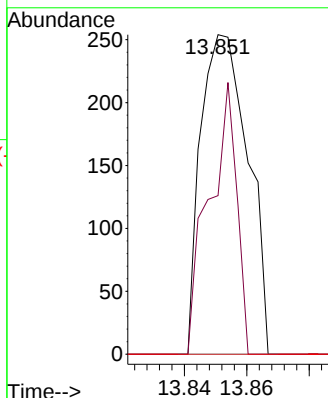
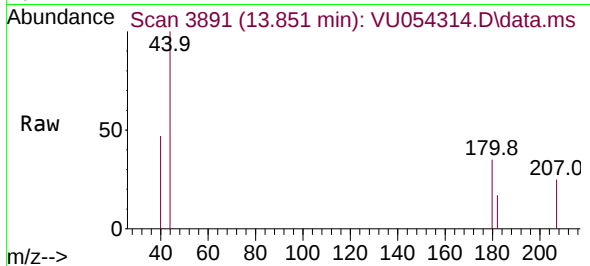




#93
1,2,4-Trichlorobenzene
Concen: 1.705 ug/l
RT: 13.851 min Scan# 3891
Delta R.T. 0.016 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

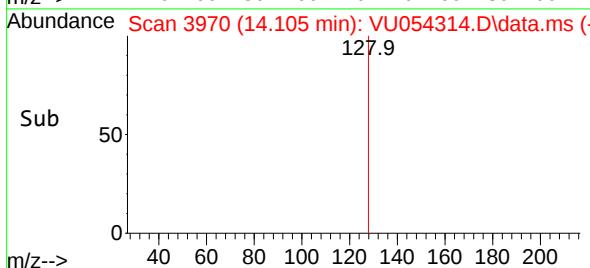
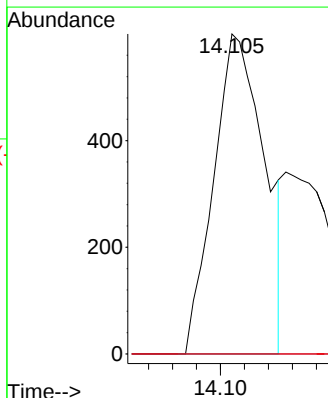
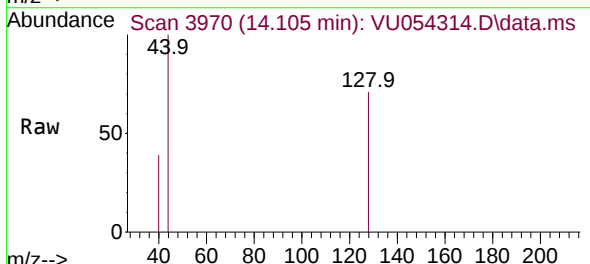
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ClientSampleId :
RE115D1-20230522DL

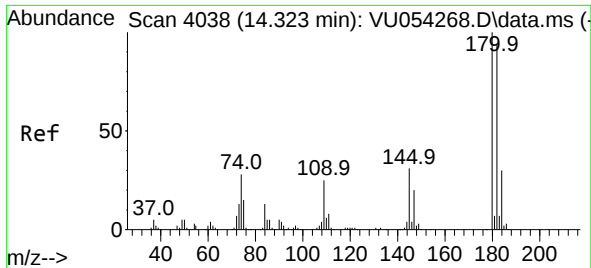
Tgt Ion:180	Resp:	267
Ion Ratio	Lower	Upper
180	100	
182	49.8	47.9 143.6
145	0.0	14.0 41.9#



#95
Naphthalene
Concen: 2.054 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.026 min
Lab File: VU054314.D
Acq: 30 May 2023 15:22

Tgt Ion:128	Resp:	881
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: 1.323 ug/l

RT: 14.336 min Scan# 40

Delta R.T. 0.013 min

Lab File: VU054314.D

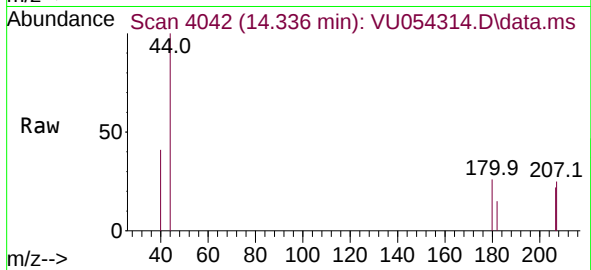
Acq: 30 May 2023 15:22

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:180 Resp: 293

Ion Ratio Lower Upper

180 100

182 32.4 48.4 145.0#

145 0.0 14.8 44.4#

