

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054319.D
 Acq On : 30 May 2023 17:20
 Operator : JC/MD
 Sample : 02912-11DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE134D3-20230523DL

Quant Time: May 31 06:29:13 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)

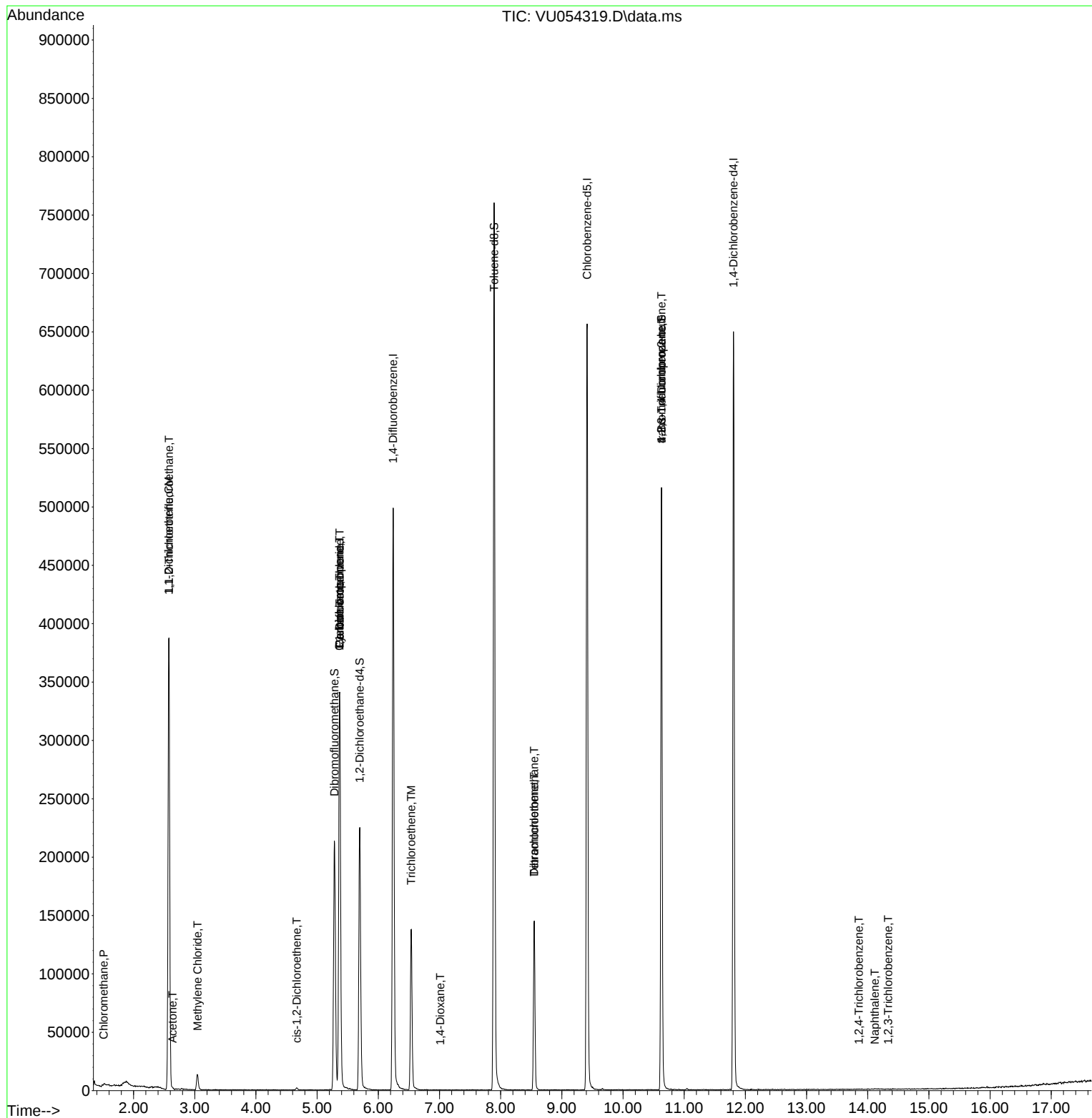
Internal Standards						
1) Pentafluorobenzene	5.369	168	250777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	409754	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	385177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	180464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	168695	51.315	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.640%	
35) Dibromofluoromethane	5.282	113	138870	52.628	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.260%	
50) Toluene-d8	7.893	98	509314	50.744	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	10.629	95	173503	44.583	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.514	50	755	0.206	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.578	101	157445	60.435	ug/l	96
12) 1,1-Dichloroethene	2.575	96	1245	0.462	ug/l	83
16) Acetone	2.639	43	1261	0.669	ug/l	96
20) Methylene Chloride	3.047	84	7191	2.115	ug/l	95
27) cis-1,2-Dichloroethene	4.668	96	658	0.205	ug/l	41
31) Cyclohexane	5.366	56	4621	0.995	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	18232	4.399	ug/l #	49
38) Carbon Tetrachloride	5.369	117	23971	5.651	ug/l #	16
44) Trichloroethene	6.536	130	49586	15.005	ug/l	96
49) 1,4-Dioxane	7.012	88	20	0.224	ug/l #	58
60) Dibromochloromethane	8.549	129	31632	9.966	ug/l #	11
64) Tetrachloroethene	8.549	164	34305	11.834	ug/l	99
76) 1,2,3-Trichloropropane	10.629	75	88101	16.727	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.629	75	88101	63.695	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.854	180	46	1.654	ug/l #	1
95) Naphthalene	14.115	128	513	2.028	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.336	180	41	1.264	ug/l #	1

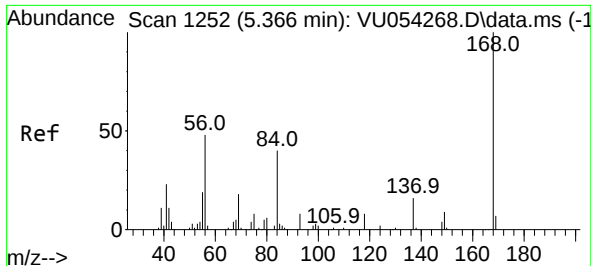
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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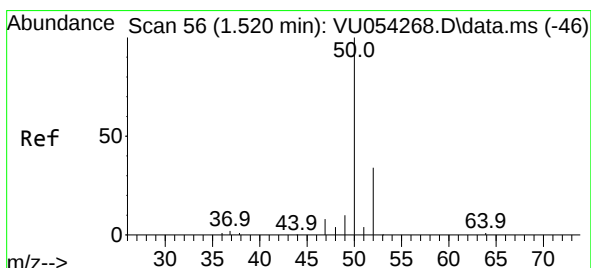
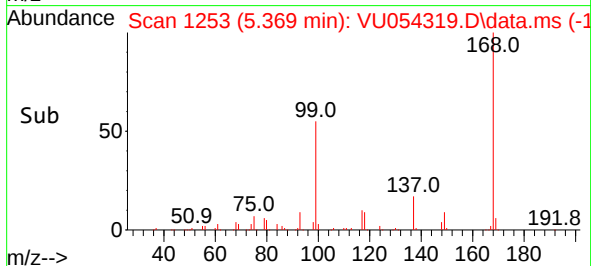
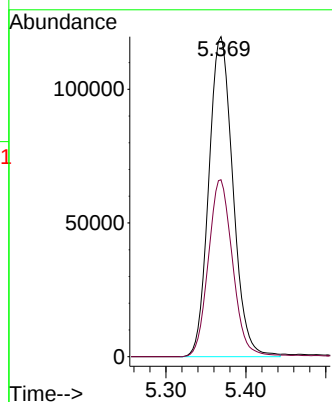
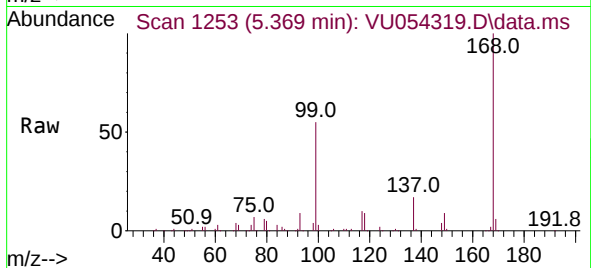




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

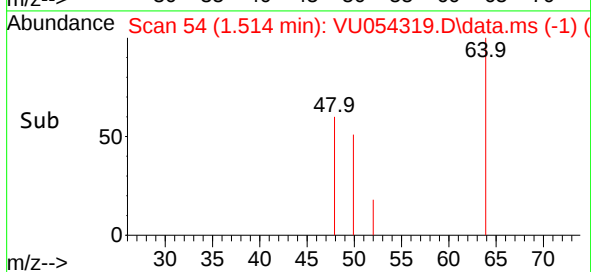
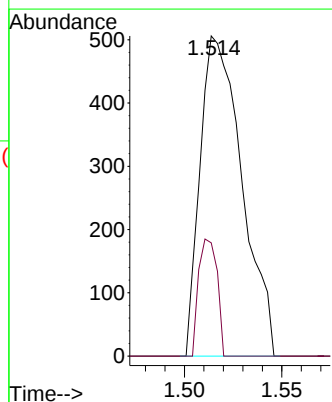
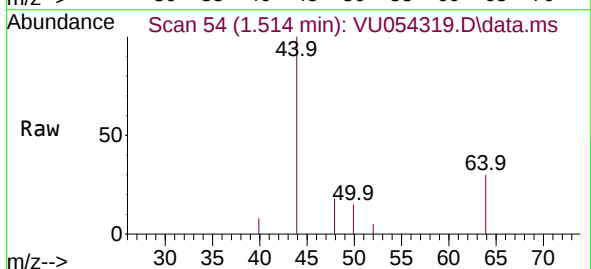
Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20230523DL

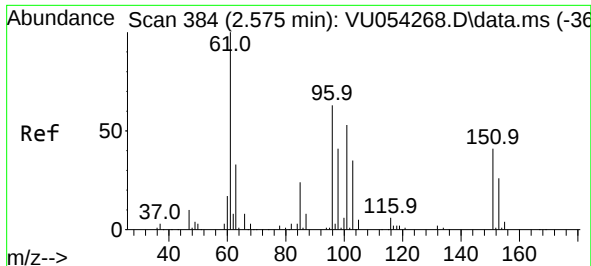
Tgt Ion:168 Resp: 250777
Ion Ratio Lower Upper
168 100
99 55.3 39.3 58.9



#3
Chloromethane
Concen: 0.206 ug/l
RT: 1.514 min Scan# 54
Delta R.T. -0.006 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

Tgt Ion: 50 Resp: 755
Ion Ratio Lower Upper
50 100
52 35.4 27.4 41.2

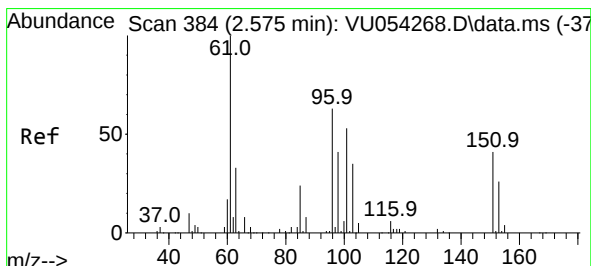
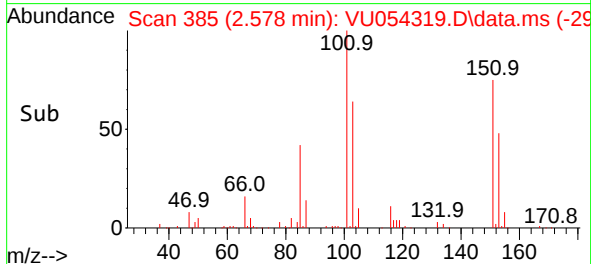
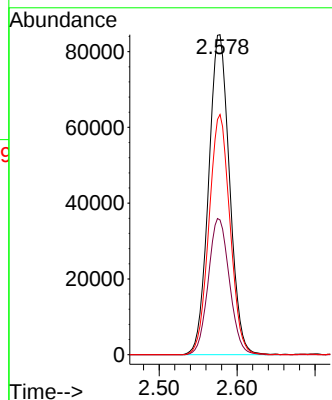
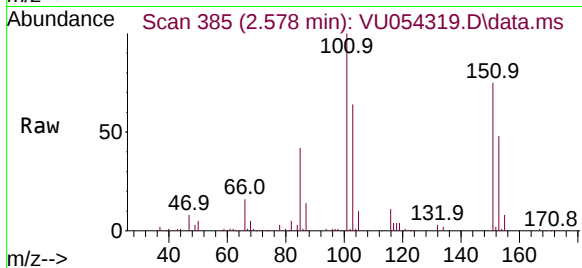




#9
1,1,2-Trichlorotrifluoroethane
Concen: 60.435 ug/l
RT: 2.578 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

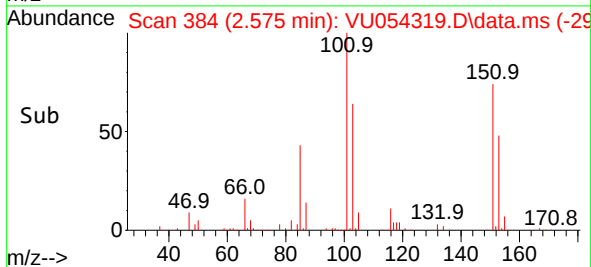
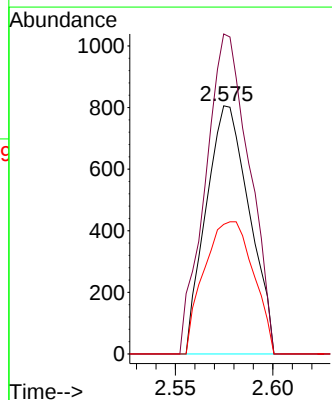
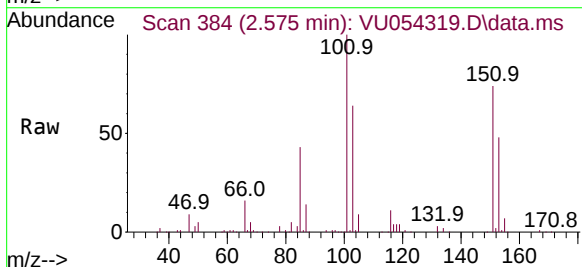
Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20230523DL

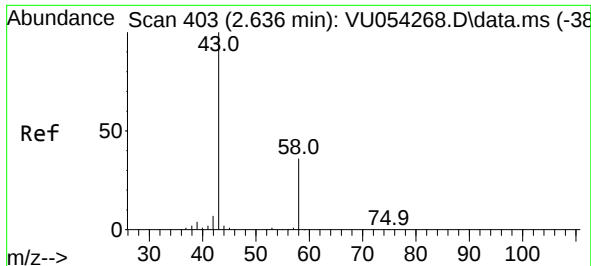
Tgt Ion:101 Resp: 157445
Ion Ratio Lower Upper
101 100
85 43.0 33.9 50.9
151 75.2 64.0 96.0



#12
1,1-Dichloroethene
Concen: 0.462 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

Tgt Ion: 96 Resp: 1245
Ion Ratio Lower Upper
96 100
61 128.9 122.2 183.2
98 52.2 50.7 76.1





#16

Acetone

Concen: 0.669 ug/l

RT: 2.639 min Scan# 403

Delta R.T. 0.003 min

Lab File: VU054319.D

Acq: 30 May 2023 17:20

Instrument :

MSVOA_U

ClientSampleId :

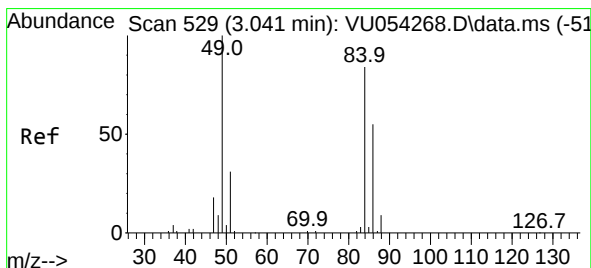
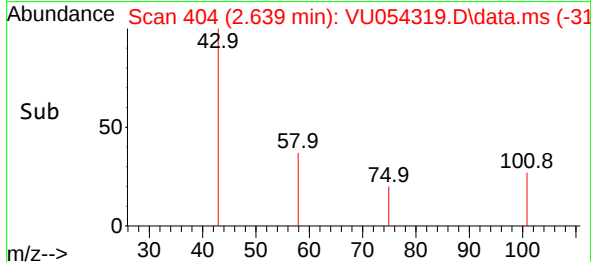
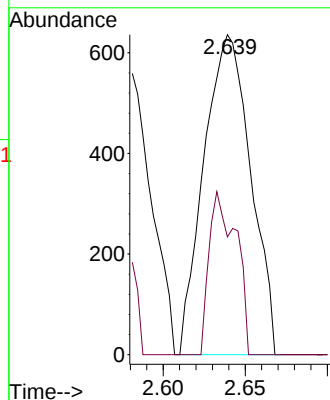
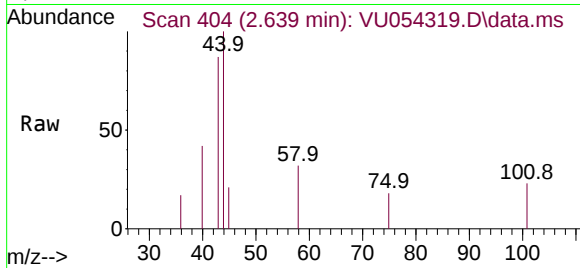
RE134D3-20230523DL

Tgt Ion: 43 Resp: 1261

Ion Ratio Lower Upper

43 100

58 36.8 27.5 41.3



#20

Methylene Chloride

Concen: 2.115 ug/l

RT: 3.047 min Scan# 531

Delta R.T. 0.006 min

Lab File: VU054319.D

Acq: 30 May 2023 17:20

Tgt Ion: 84 Resp: 7191

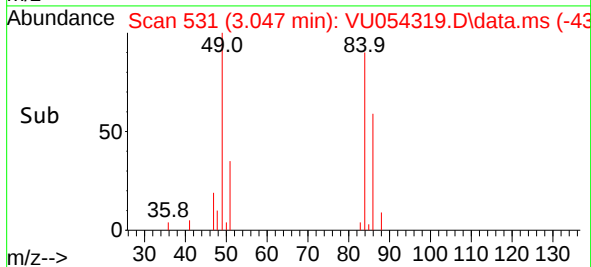
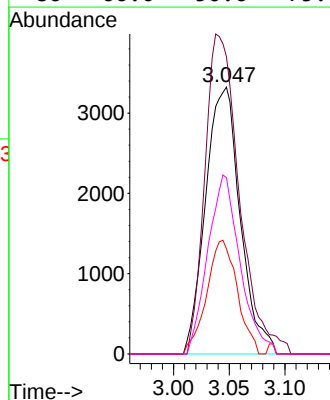
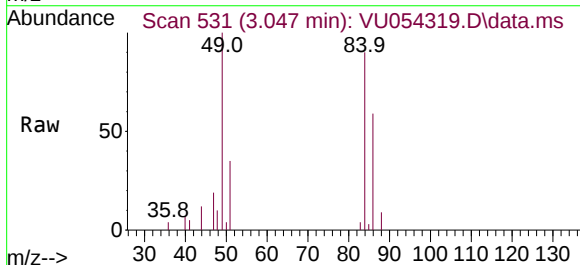
Ion Ratio Lower Upper

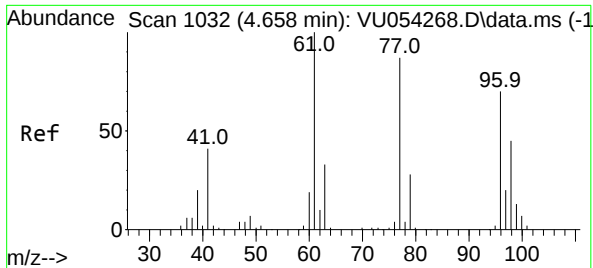
84 100

49 111.4 86.6 129.8

51 39.4 26.6 40.0

86 66.0 50.6 75.8

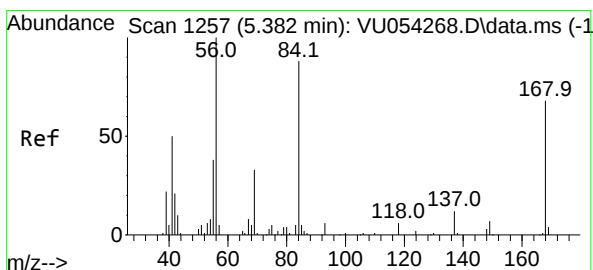
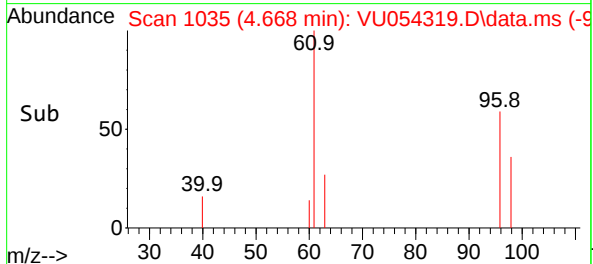
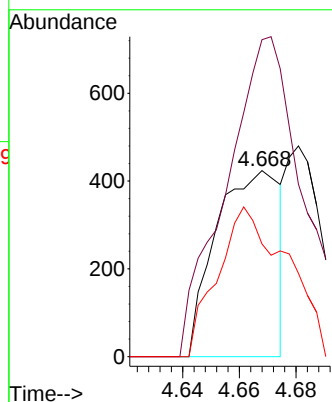
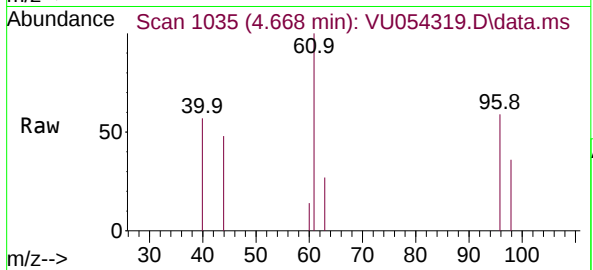




#27
 cis-1,2-Dichloroethene
 Concen: 0.205 ug/l
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.010 min
 Lab File: VU054319.D
 Acq: 30 May 2023 17:20

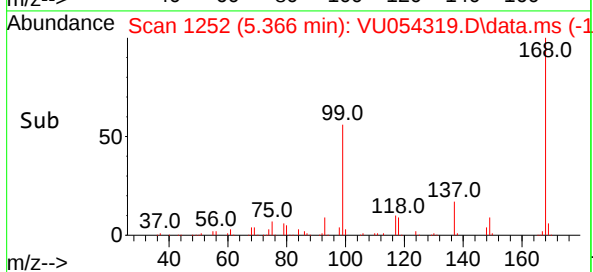
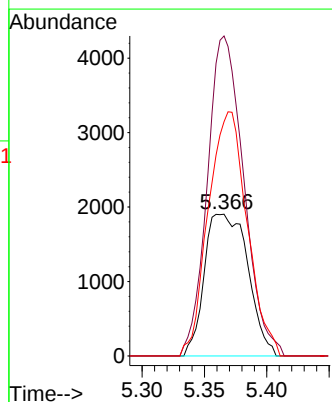
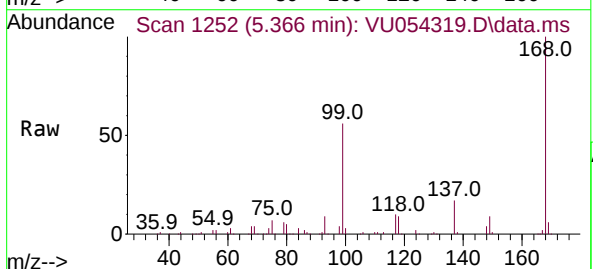
Instrument :
 MSVOA_U
 ClientSampleId :
 RE134D3-20230523DL

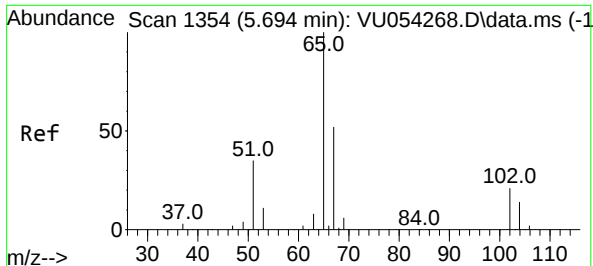
Tgt Ion:	96	Resp:	658
Ion	Ratio	Lower	Upper
96	100		
61	223.1	0.0	271.6
98	88.1	0.0	128.2



#31
 Cyclohexane
 Concen: 0.995 ug/l
 RT: 5.366 min Scan# 1252
 Delta R.T. -0.016 min
 Lab File: VU054319.D
 Acq: 30 May 2023 17:20

Tgt Ion:	56	Resp:	4621
Ion	Ratio	Lower	Upper
56	100		
69	225.6	27.8	41.8#
84	165.1	74.2	111.4#





#33

1,2-Dichloroethane-d4

Concen: 51.315 ug/l

RT: 5.697 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU054319.D

Acq: 30 May 2023 17:20

Instrument :

MSVOA_U

ClientSampleId :

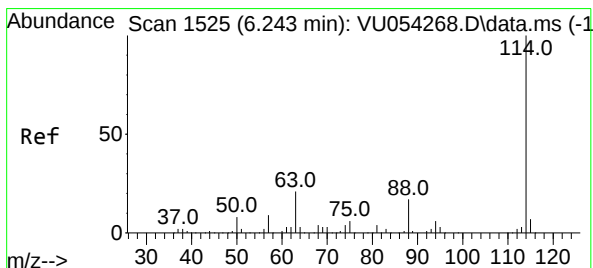
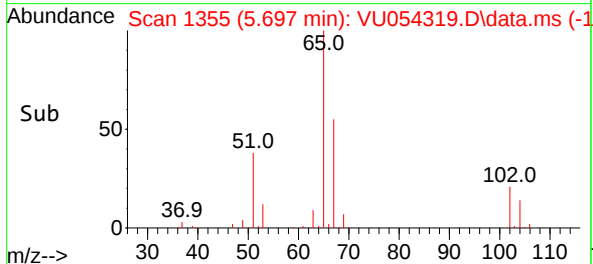
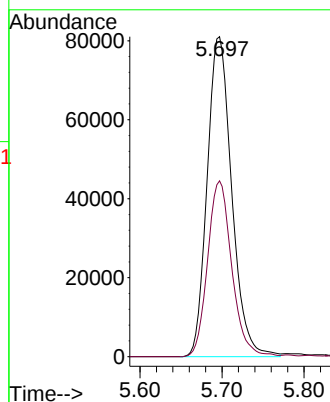
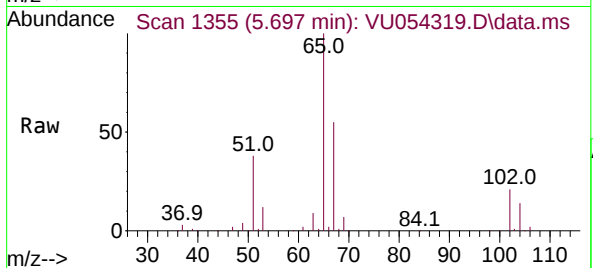
RE134D3-20230523DL

Tgt Ion: 65 Resp: 168695

Ion Ratio Lower Upper

65 100

67 54.0 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: VU054319.D

Acq: 30 May 2023 17:20

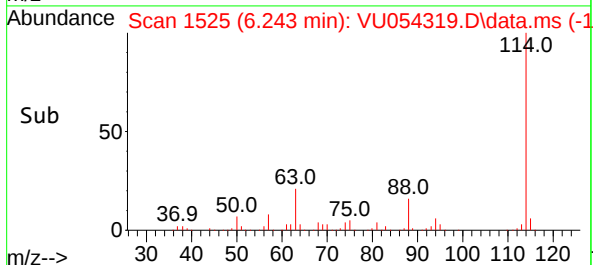
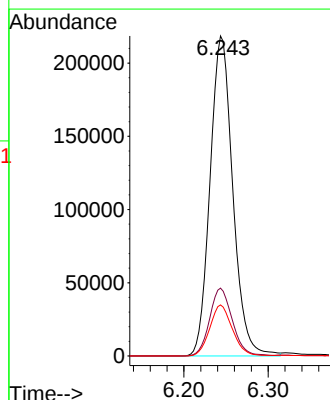
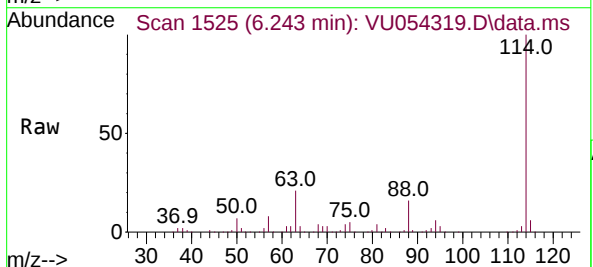
Tgt Ion: 114 Resp: 409754

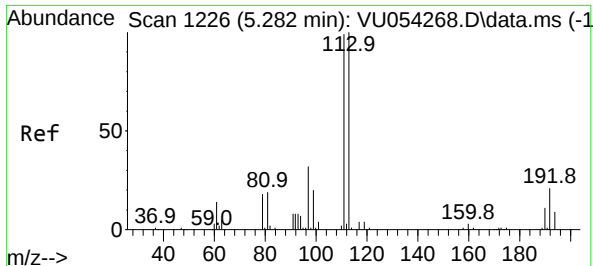
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.8

88 16.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 52.628 ug/l

RT: 5.282 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054319.D

Acq: 30 May 2023 17:20

Instrument :

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ClientSampleId :

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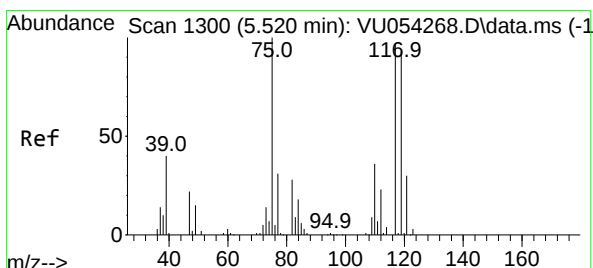
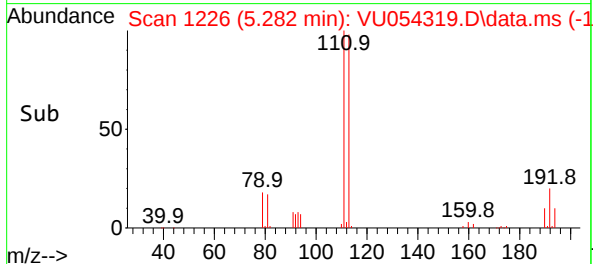
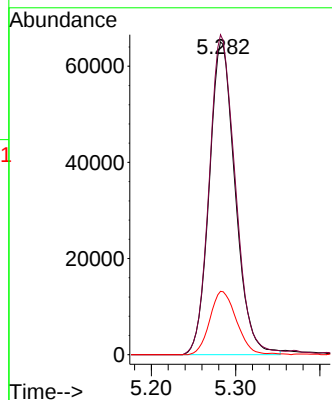
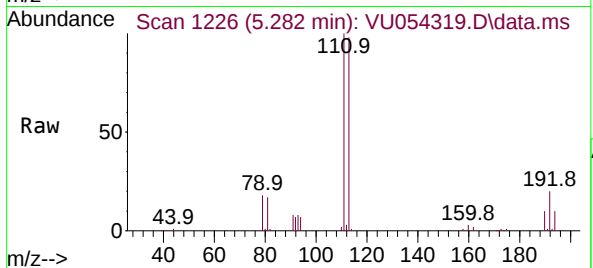
Tgt Ion:113 Resp: 138870

Ion Ratio Lower Upper

113 100

111 103.1 82.1 123.1

192 20.7 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.399 ug/l

RT: 5.366 min Scan# 1252

Delta R.T. -0.154 min

Lab File: VU054319.D

Acq: 30 May 2023 17:20

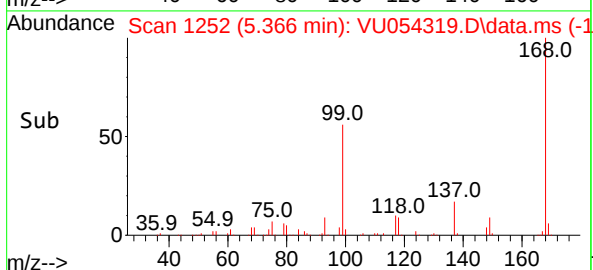
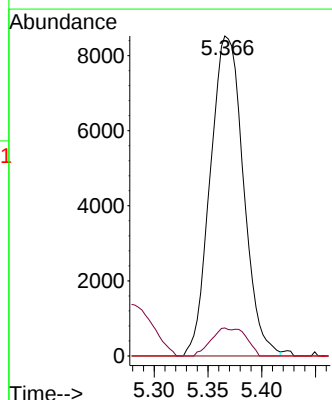
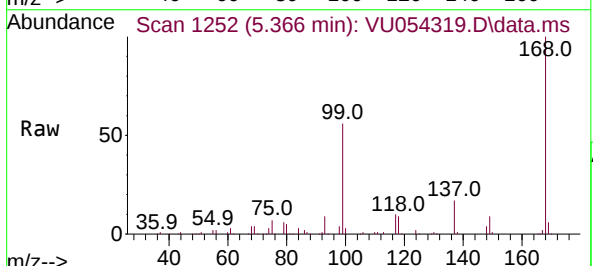
Tgt Ion: 75 Resp: 18232

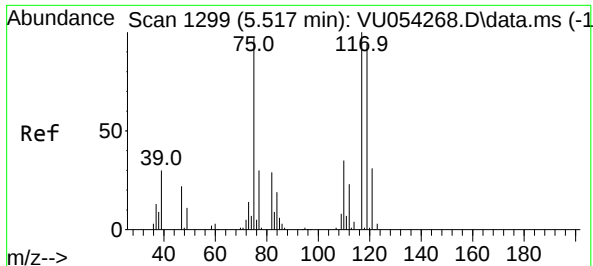
Ion Ratio Lower Upper

75 100

110 9.1 18.4 55.2#

77 0.0 25.1 37.7#

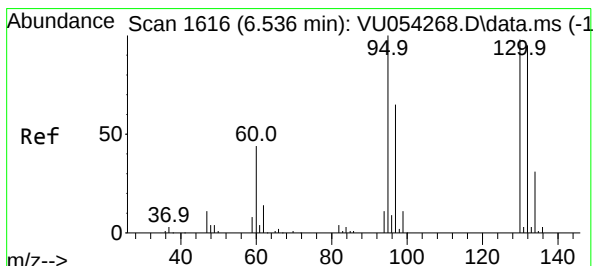
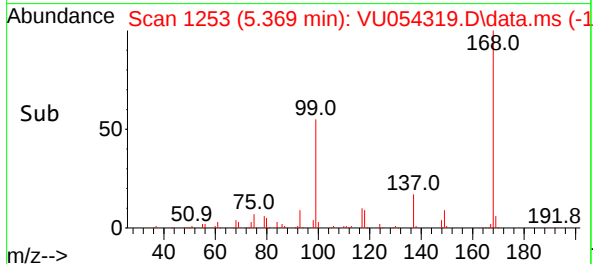
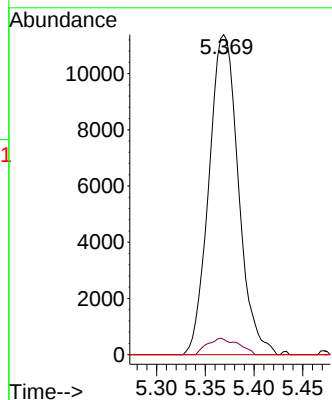
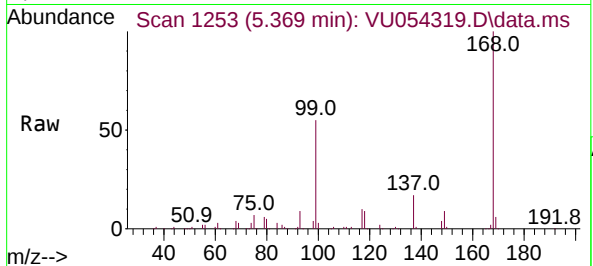




#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

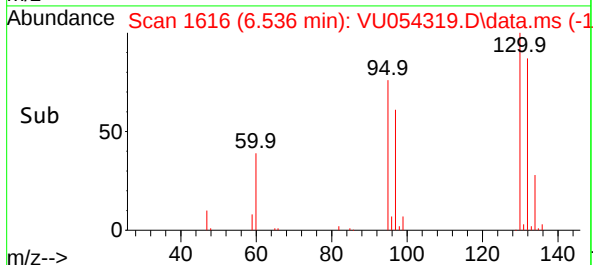
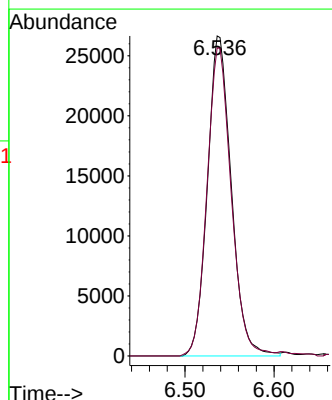
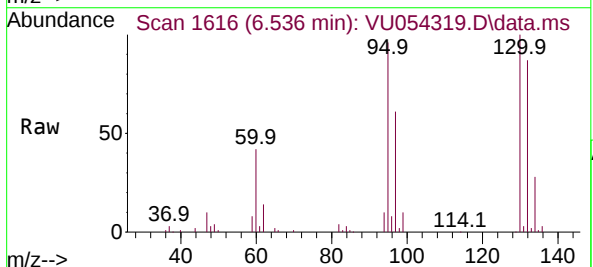
Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20230523DL

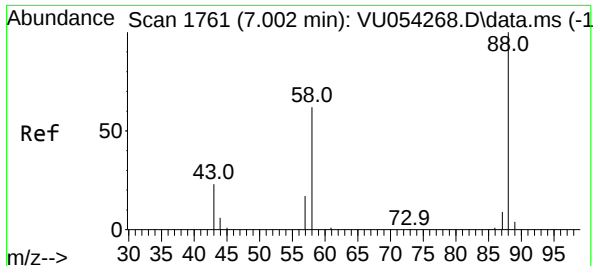
Tgt Ion:117 Resp: 23971
Ion Ratio Lower Upper
117 100
119 4.8 76.8 115.2#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 15.005 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

Tgt Ion:130 Resp: 49586
Ion Ratio Lower Upper
130 100
95 96.3 0.0 184.6





#49

1,4-Dioxane

Concen: 0.224 ug/l

RT: 7.012 min Scan# 11

Delta R.T. 0.010 min

Lab File: VU054319.D

Acq: 30 May 2023 17:20

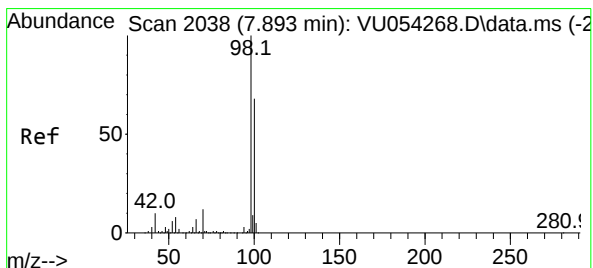
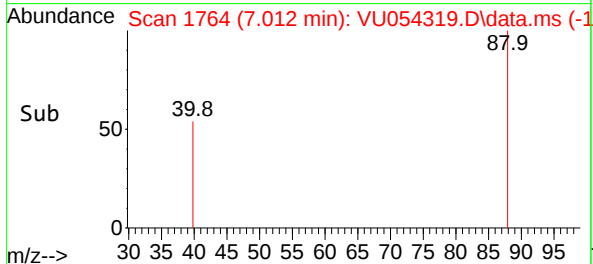
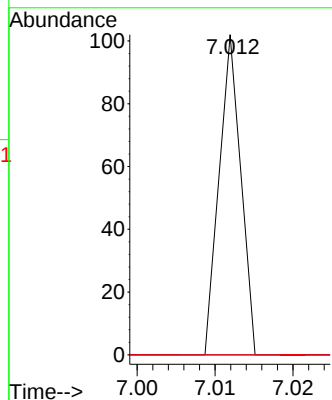
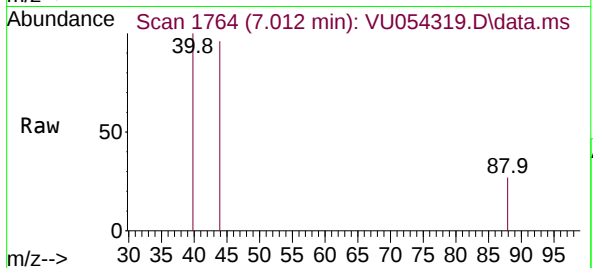
Instrument :

MSVOA_U

ClientSampleId :

RE134D3-20230523DL

Tgt Ion: 88	Resp:	20
Ion	Ratio	Lower Upper
88	100	
43	0.0	0.0 0.0
58	0.0	15.4 23.0#



#50

Toluene-d8

Concen: 50.744 ug/l

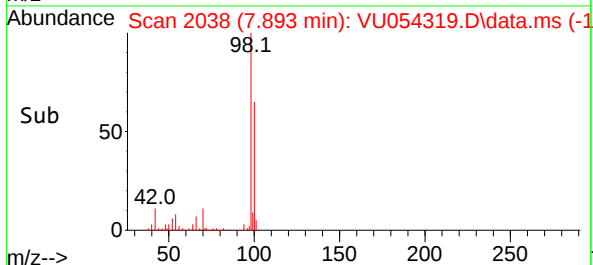
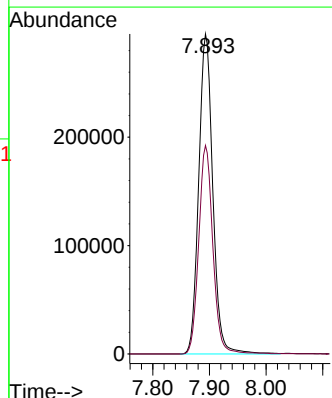
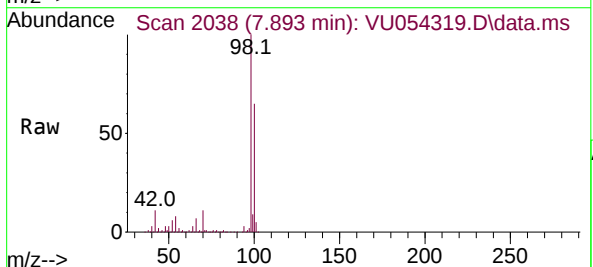
RT: 7.893 min Scan# 2038

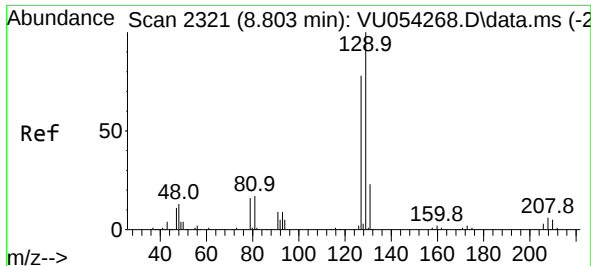
Delta R.T. -0.000 min

Lab File: VU054319.D

Acq: 30 May 2023 17:20

Tgt Ion: 98	Resp:	509314
Ion	Ratio	Lower Upper
98	100	
100	65.1	51.7 77.5

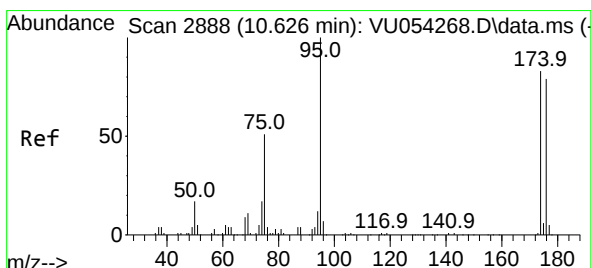
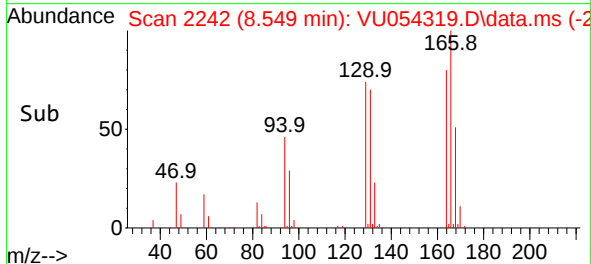
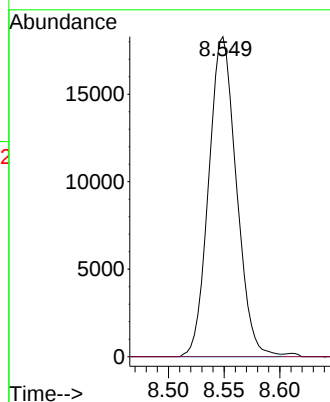
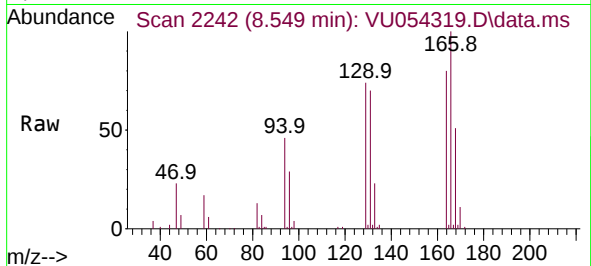




#60
Dibromochloromethane
Concen: 9.966 ug/l
RT: 8.549 min Scan# 211
Delta R.T. -0.254 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

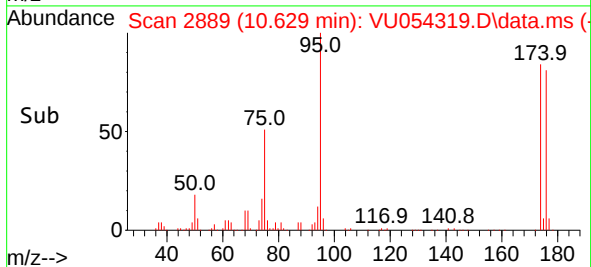
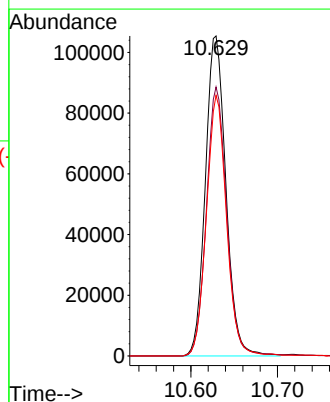
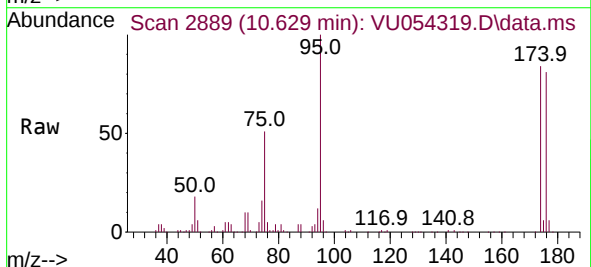
Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20230523DL

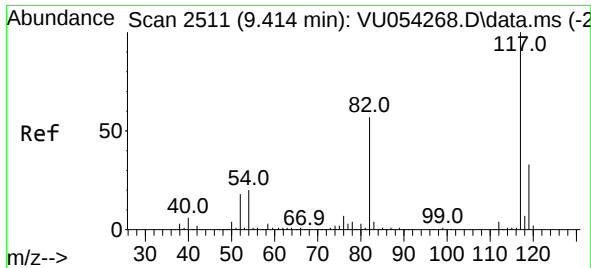
Tgt Ion:129 Resp: 31632
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 44.583 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

Tgt Ion: 95 Resp: 173503
Ion Ratio Lower Upper
95 100
174 83.1 0.0 182.0
176 79.5 0.0 177.8

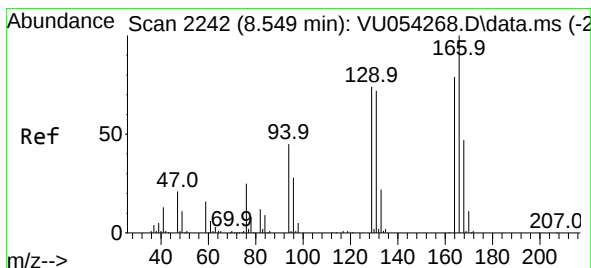
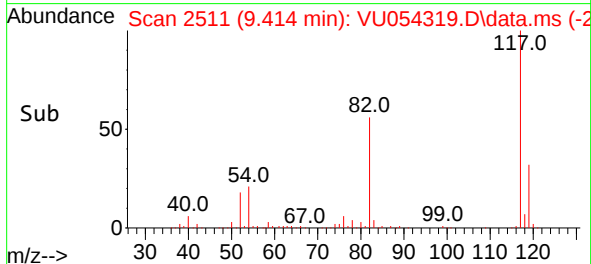
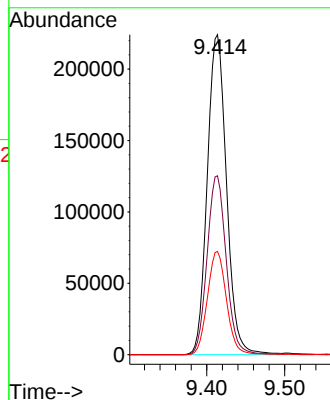
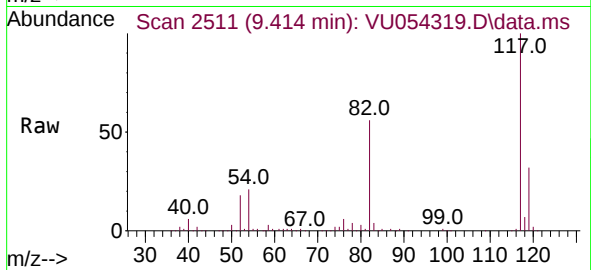




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

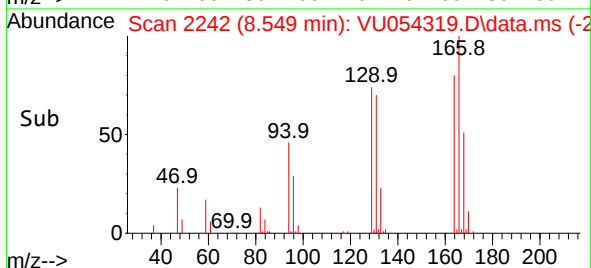
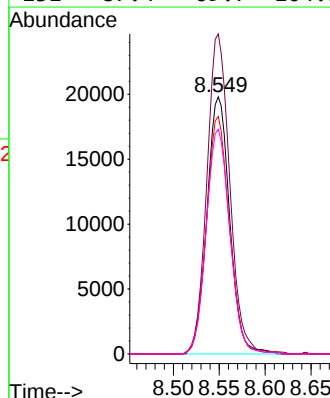
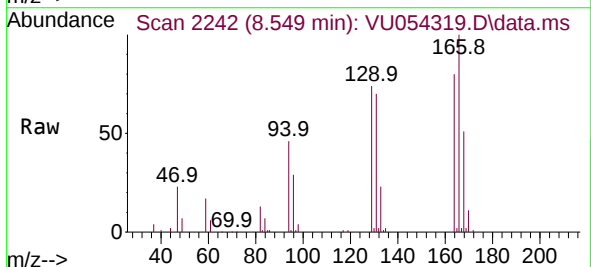
Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20230523DL

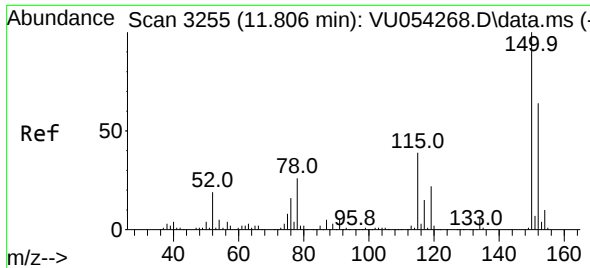
Tgt Ion:117 Resp: 385177
Ion Ratio Lower Upper
117 100
82 55.9 41.7 62.5
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 11.834 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

Tgt Ion:164 Resp: 34305
Ion Ratio Lower Upper
164 100
166 124.4 100.0 150.0
129 92.3 72.0 108.0
131 87.4 69.7 104.5

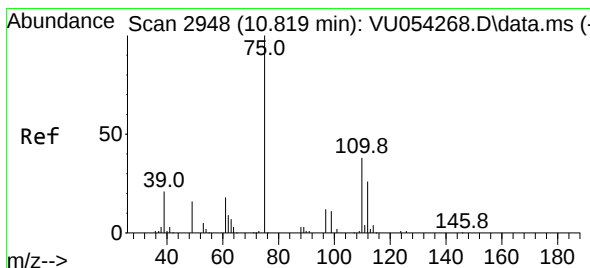
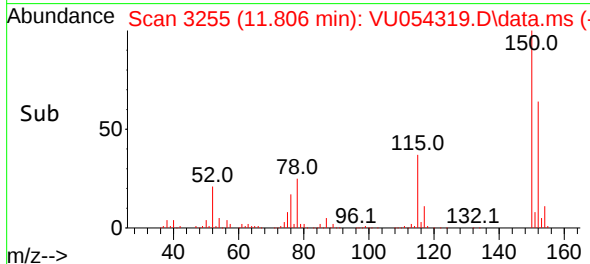
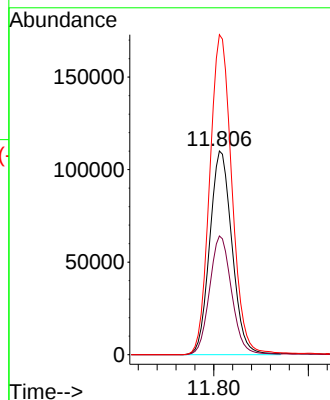
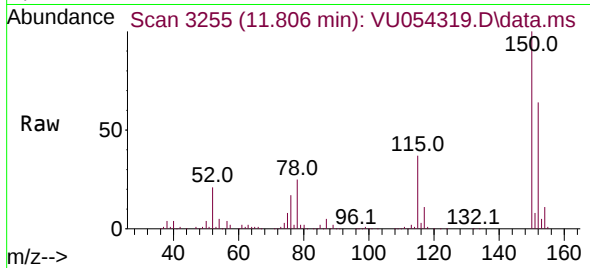




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.806 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054319.D
 Acq: 30 May 2023 17:20

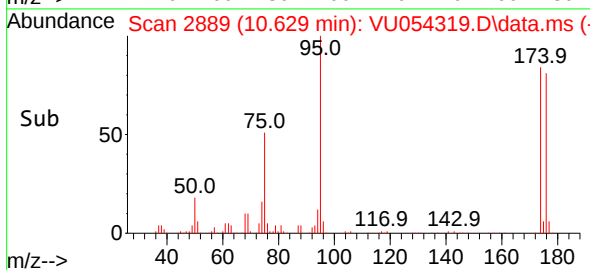
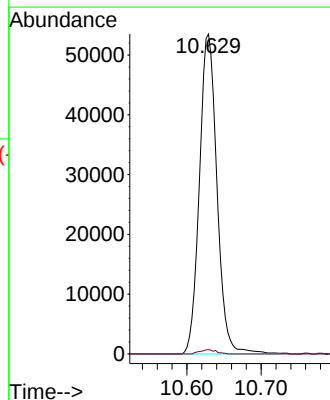
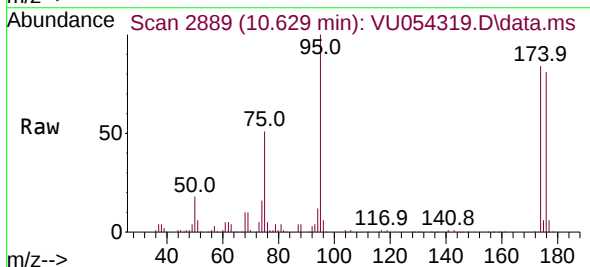
Instrument :
 MSVOA_U
 ClientSampleId :
 RE134D3-20230523DL

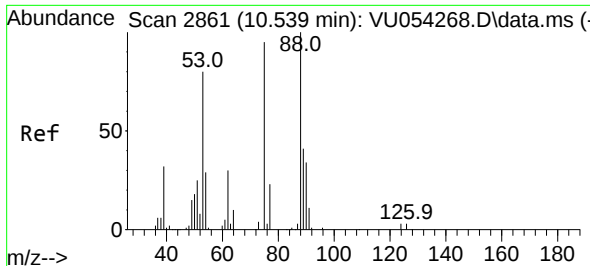
Tgt Ion:152 Resp: 180464
 Ion Ratio Lower Upper
 152 100
 115 57.5 37.0 110.9
 150 156.8 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 16.727 ug/l
 RT: 10.629 min Scan# 2889
 Delta R.T. -0.190 min
 Lab File: VU054319.D
 Acq: 30 May 2023 17:20

Tgt Ion: 75 Resp: 88101
 Ion Ratio Lower Upper
 75 100
 77 1.2 15.8 47.3#

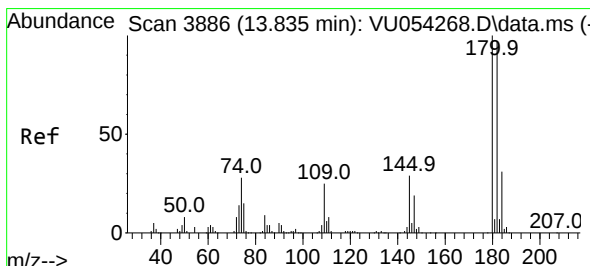
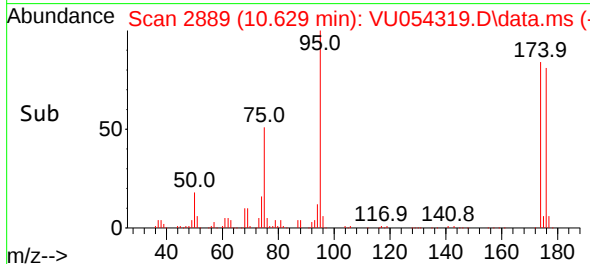
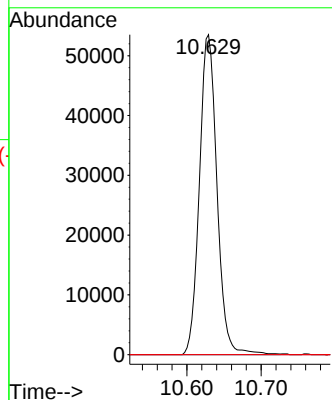
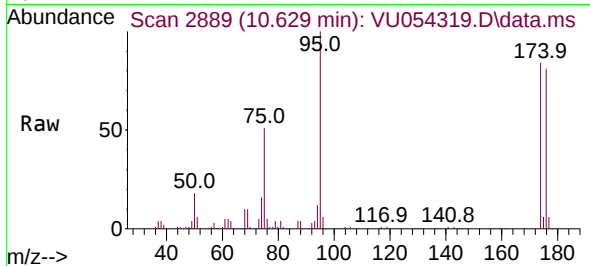




#81
trans-1,4-Dichloro-2-butene
Concen: 63.695 ug/l
RT: 10.629 min Scan# 21
Delta R.T. 0.090 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

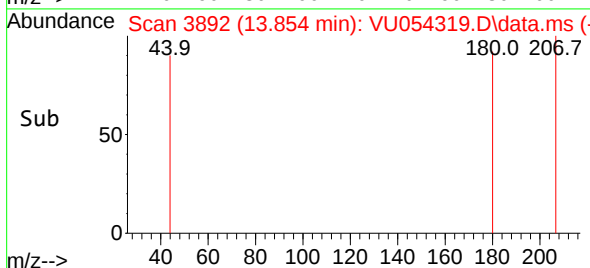
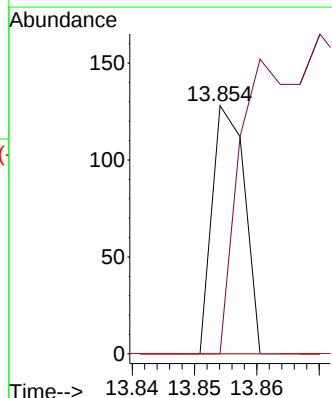
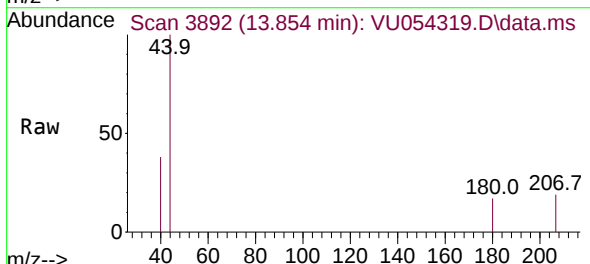
Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20230523DL

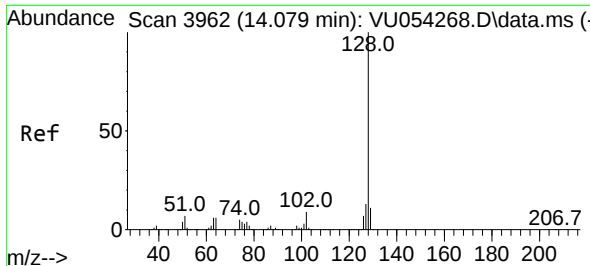
Tgt Ion: 75 Resp: 88101
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.654 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.019 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

Tgt Ion:180 Resp: 46
Ion Ratio Lower Upper
180 100
182 404.3 47.9 143.6#
145 0.0 14.0 41.9#

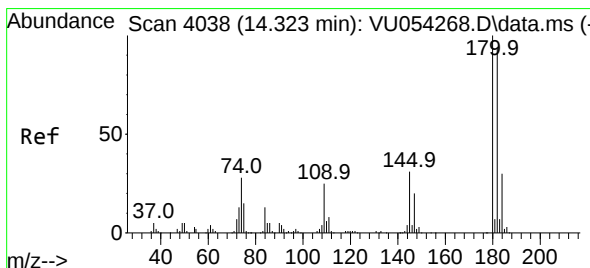
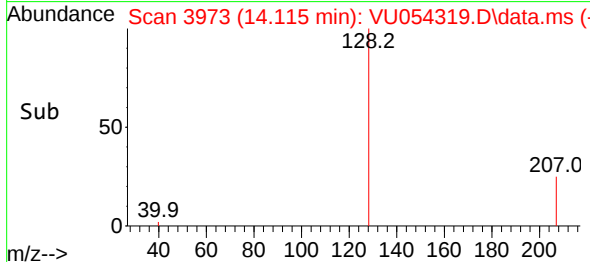
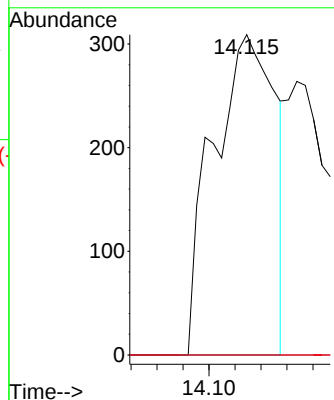
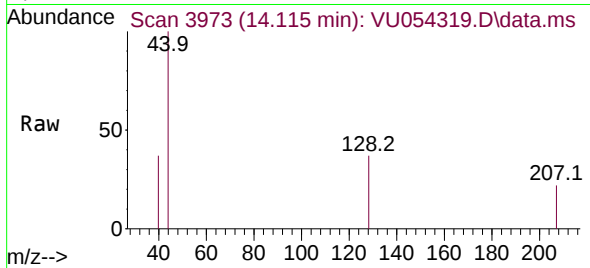




#95
Naphthalene
Concen: 2.028 ug/l
RT: 14.115 min Scan# 3962
Delta R.T. 0.036 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

Instrument :
MSVOA_U
ClientSampleId :
RE134D3-20230523DL

Tgt Ion:128 Resp: 513
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: 1.264 ug/l
RT: 14.336 min Scan# 4042
Delta R.T. 0.013 min
Lab File: VU054319.D
Acq: 30 May 2023 17:20

Tgt Ion:180 Resp: 41
Ion Ratio Lower Upper
180 100
182 343.9 48.4 145.0#
145 0.0 14.8 44.4#

