

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054350.D
 Acq On : 31 May 2023 20:10
 Operator : JC/MD
 Sample : PB153123ZHE#09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB153123ZHE#09

Quant Time: Jun 01 05:26:26 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

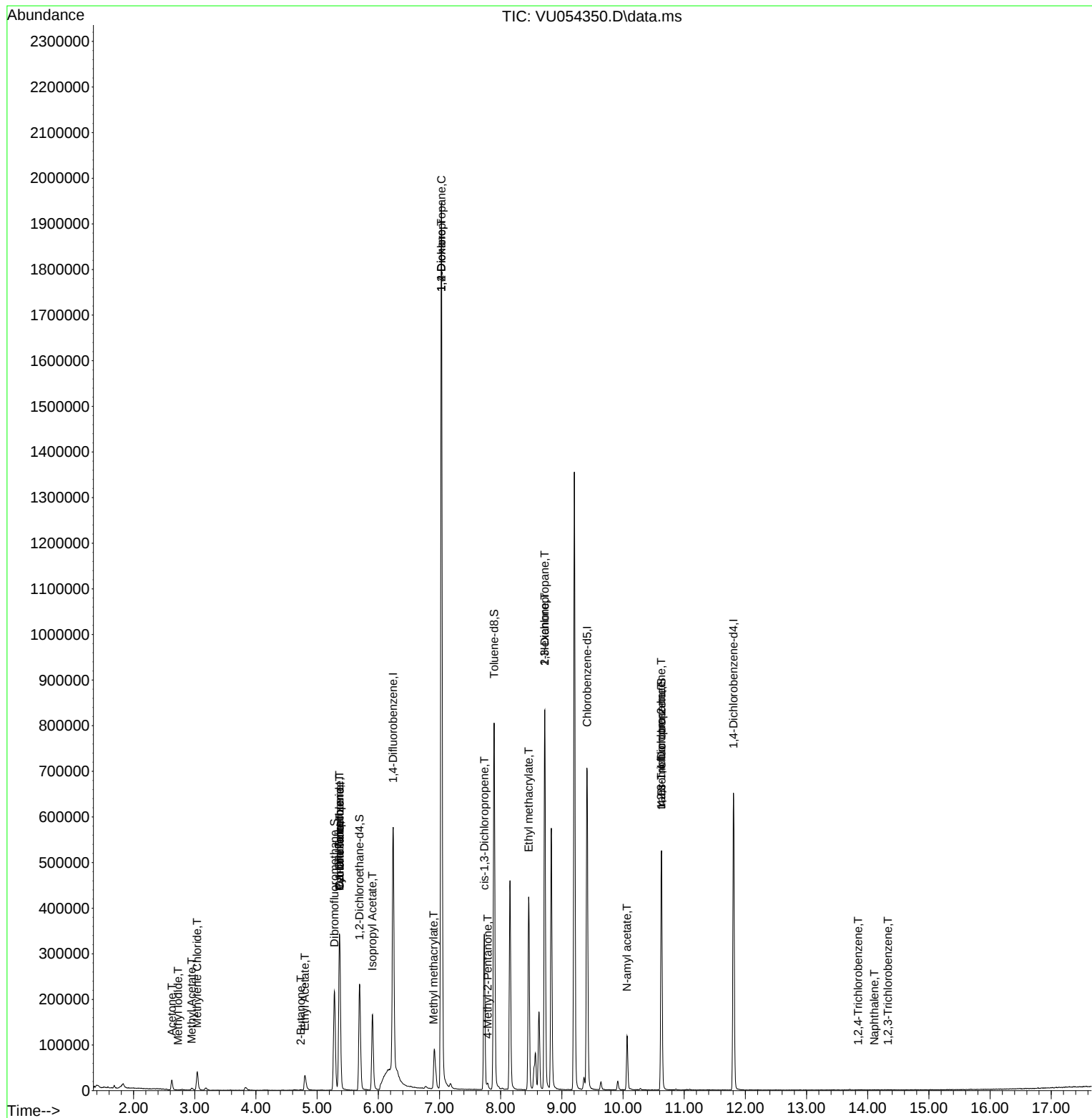
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.369	168	251949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	435218	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	406521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	178516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	172821	52.326	ug/l	0.00
Spiked Amount 50.000	Range 78	- 117	Recovery	=	104.660%	
35) Dibromofluoromethane	5.282	113	145190	51.804	ug/l	0.00
Spiked Amount 50.000	Range 75	- 124	Recovery	=	103.600%	
50) Toluene-d8	7.893	98	535354	50.218	ug/l	0.00
Spiked Amount 50.000	Range 92	- 112	Recovery	=	100.440%	
62) 4-Bromofluorobenzene	10.629	95	175618	42.486	ug/l	0.00
Spiked Amount 50.000	Range 83	- 123	Recovery	=	84.980%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.726	142	20	2.337	ug/l #	43
16) Acetone	2.626	43	25383	13.408	ug/l	96
18) Methyl Acetate	2.948	43	6474	0.937	ug/l #	87
20) Methylene Chloride	3.038	84	21557	6.312	ug/l	97
25) 2-Butanone	4.732	43	2219	0.885	ug/l #	83
31) Cyclohexane	5.369	56	5084	1.090	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	18980	4.312	ug/l #	48
37) Ethyl Acetate	4.800	43	44925	8.374	ug/l #	92
38) Carbon Tetrachloride	5.366	117	24066	5.341	ug/l #	15
43) Isopropyl Acetate	5.903	43	174177	23.537	ug/l	98
45) 1,2-Dichloropropane	7.031	63	2525	0.771	ug/l #	43
48) Methyl methacrylate	6.903	41	4824	1.470	ug/l #	37
49) 1,4-Dioxane	7.028	88	310	3.272	ug/l #	1
51) 4-Methyl-2-Pentanone	7.790	43	8134	1.647	ug/l	96
54) cis-1,3-Dichloropropene	7.732	75	62452	11.600	ug/l #	61
56) Ethyl methacrylate	8.459	69	2184	0.442	ug/l #	1
57) 1,3-Dichloropropane	8.719	76	8694	1.521	ug/l #	42
59) 2-Hexanone	8.719	43	106471	27.293	ug/l #	50
74) N-amyl acetate	10.066	43	35911	7.650	ug/l #	49
76) 1,2,3-Trichloropropane	10.626	75	89105	17.102	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.626	75	89105	65.124	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.841	180	82	1.663	ug/l #	12
95) Naphthalene	14.108	128	738	2.045	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.330	180	127	1.285	ug/l #	61

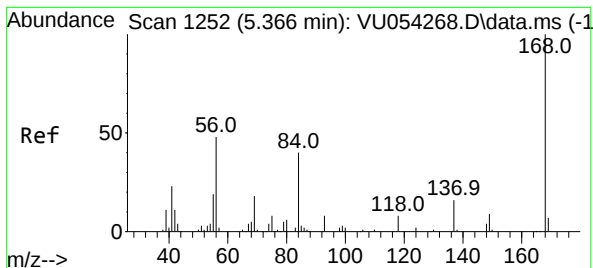
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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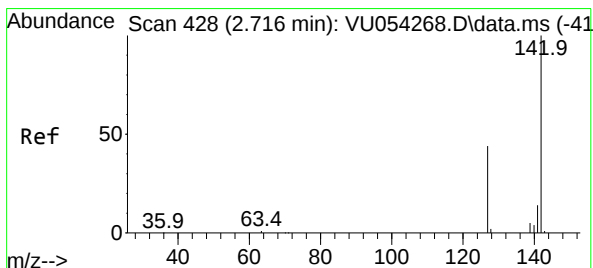
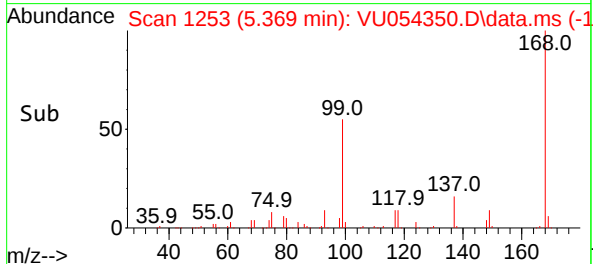
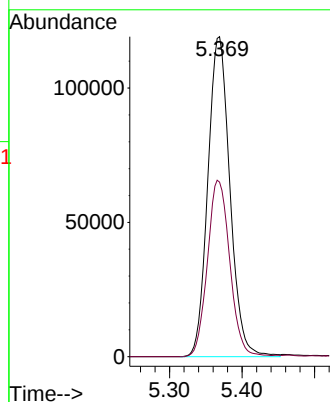
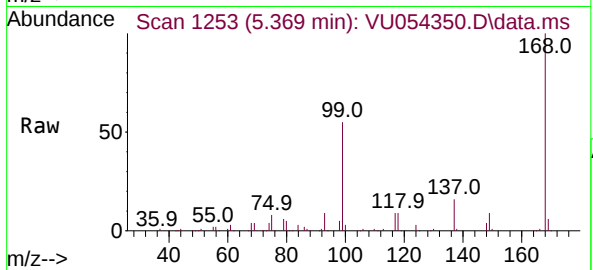




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

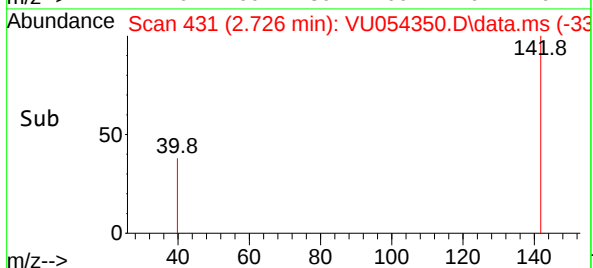
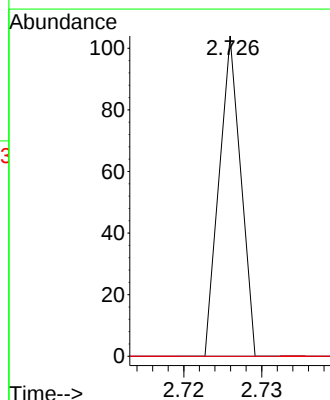
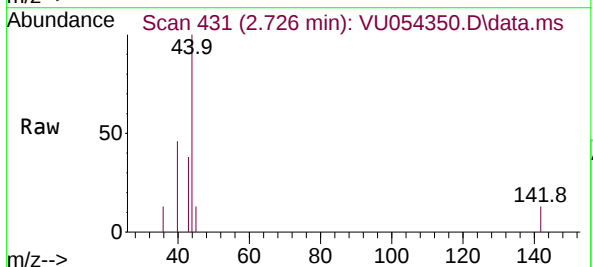
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#09

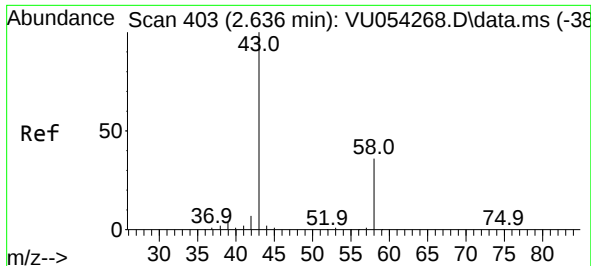
Tgt Ion:168 Resp: 251949
Ion Ratio Lower Upper
168 100
99 54.5 39.3 58.9



#10
Methyl Iodide
Concen: 2.337 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.010 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#





#16

Acetone

Concen: 13.408 ug/l

RT: 2.626 min Scan# 40

Delta R.T. -0.010 min

Lab File: VU054350.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_U

ClientSampleId :

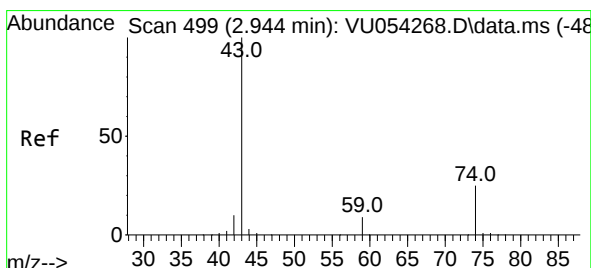
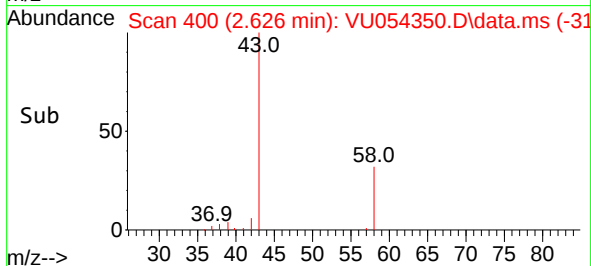
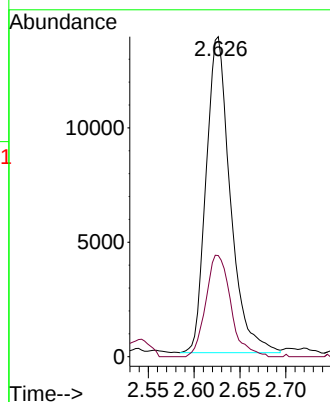
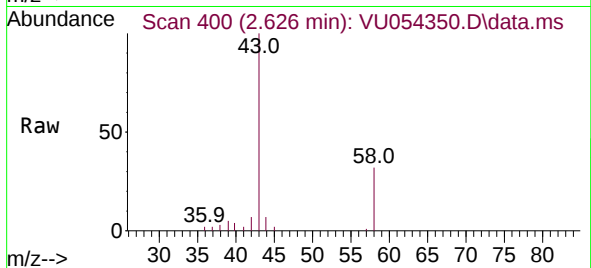
PB153123ZHE#09

Tgt Ion: 43 Resp: 25383

Ion Ratio Lower Upper

43 100

58 32.0 27.5 41.3



#18

Methyl Acetate

Concen: 0.937 ug/l

RT: 2.948 min Scan# 500

Delta R.T. 0.004 min

Lab File: VU054350.D

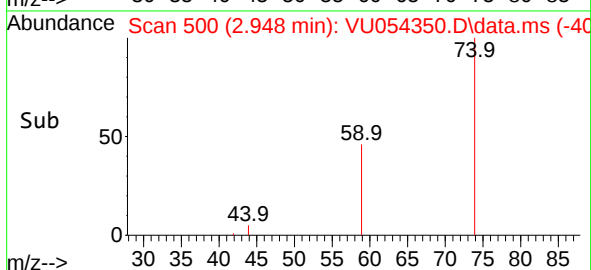
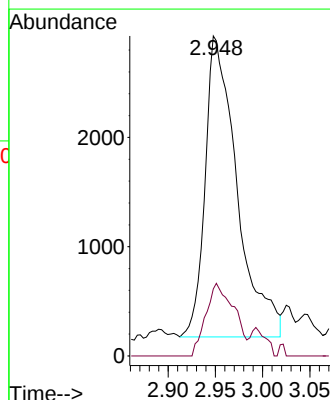
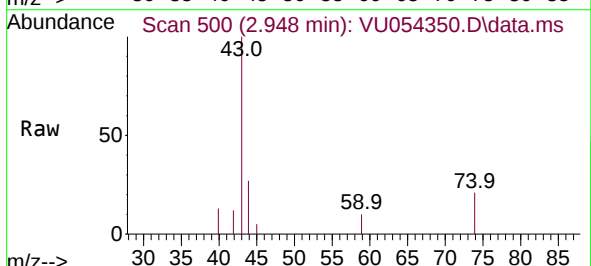
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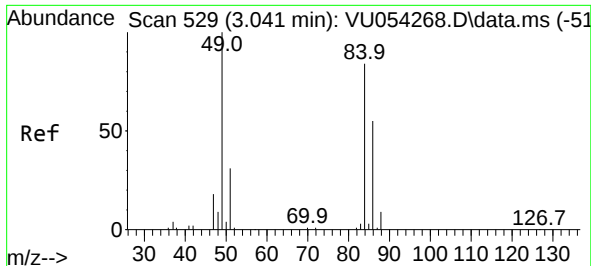
Tgt Ion: 43 Resp: 6474

Ion Ratio Lower Upper

43 100

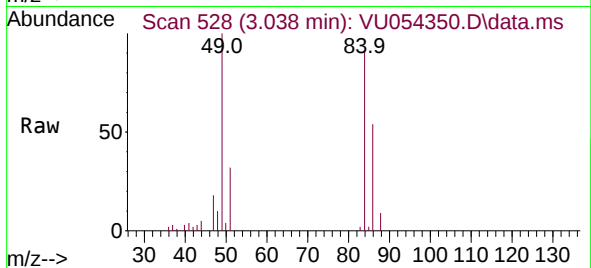
74 21.4 22.5 33.7#



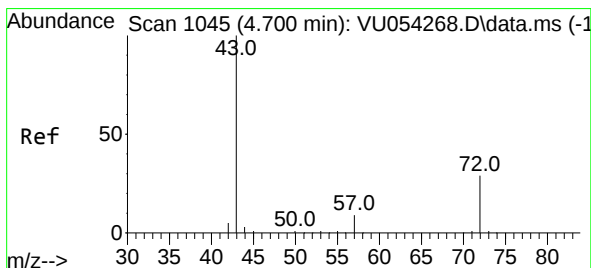
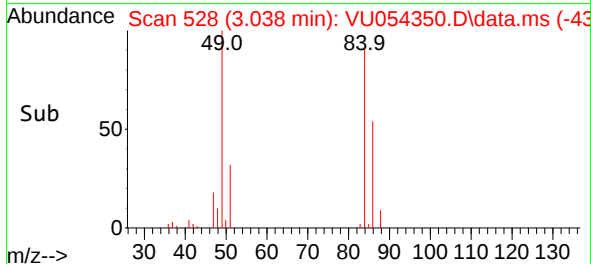
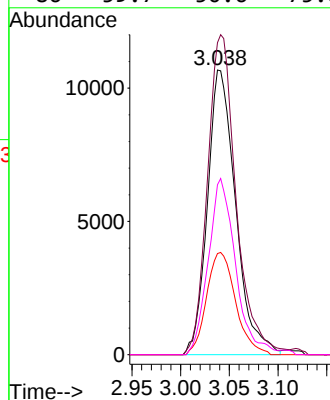


#20
Methylene Chloride
Concen: 6.312 ug/l
RT: 3.038 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#09

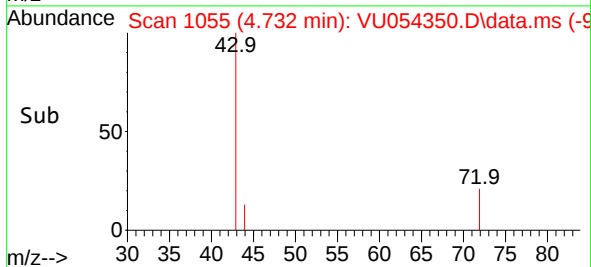
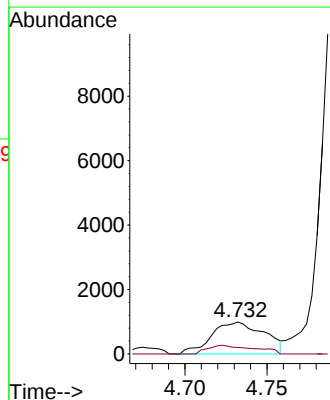
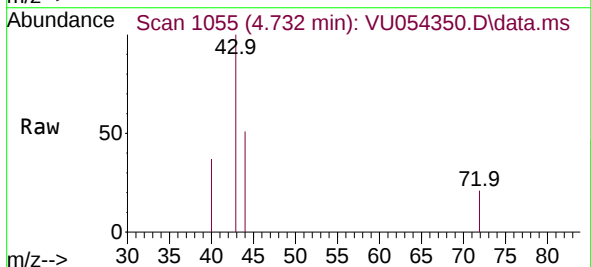


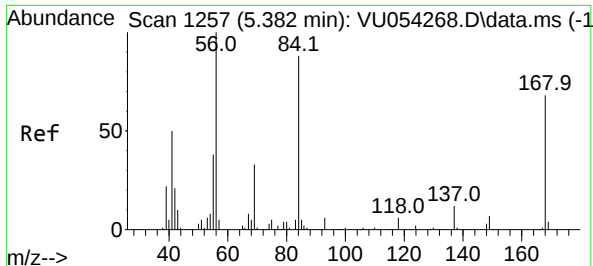
Tgt Ion:	84	Resp:	21557
Ion	Ratio	Lower	Upper
84	100		
49	109.7	86.6	129.8
51	35.5	26.6	40.0
86	59.7	50.6	75.8



#25
2-Butanone
Concen: 0.885 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. 0.032 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

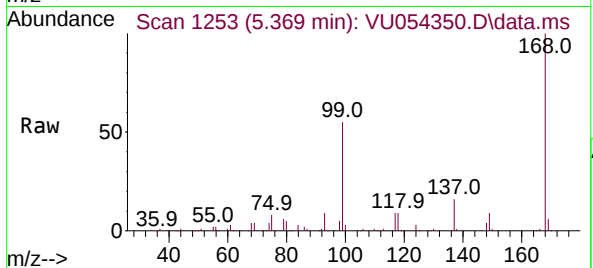
Tgt Ion:	43	Resp:	2219
Ion	Ratio	Lower	Upper
43	100		
72	20.6	23.8	35.6#



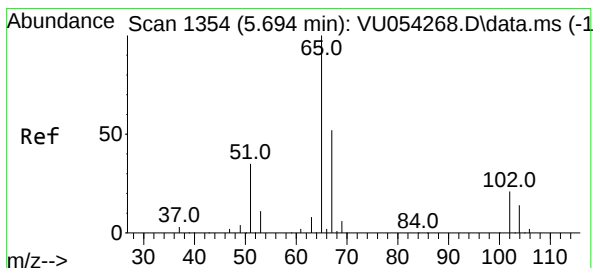
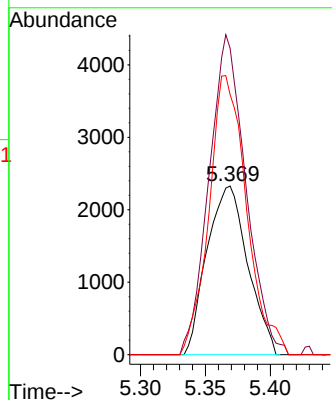
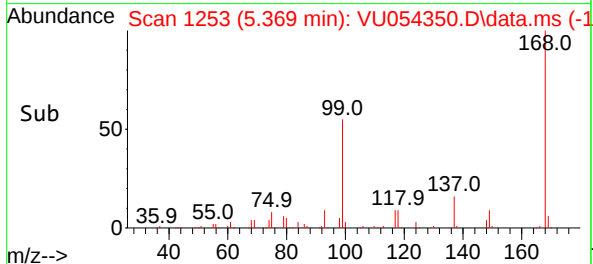


#31
Cyclohexane
Concen: 1.090 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.013 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#09

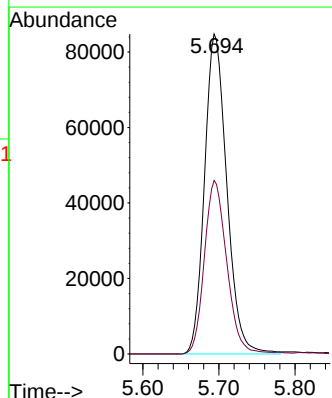
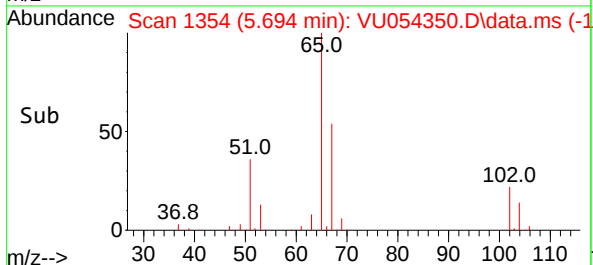
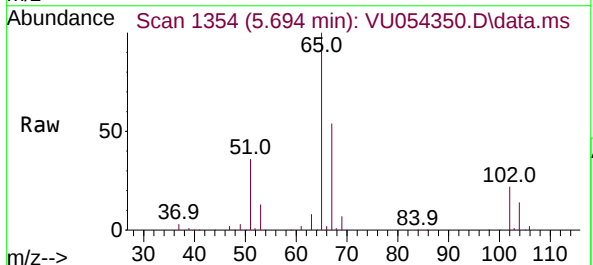


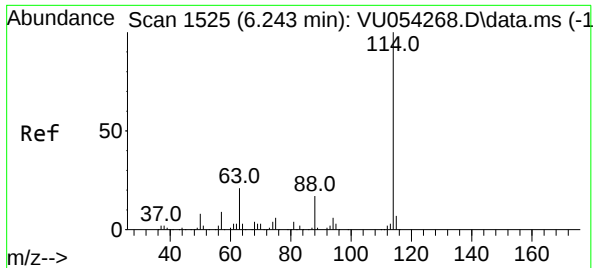
Tgt Ion: 56 Resp: 5084
Ion Ratio Lower Upper
56 100
69 181.7 27.8 41.8#
84 154.2 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 52.326 ug/l
RT: 5.694 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Tgt Ion: 65 Resp: 172821
Ion Ratio Lower Upper
65 100
67 54.4 0.0 108.0

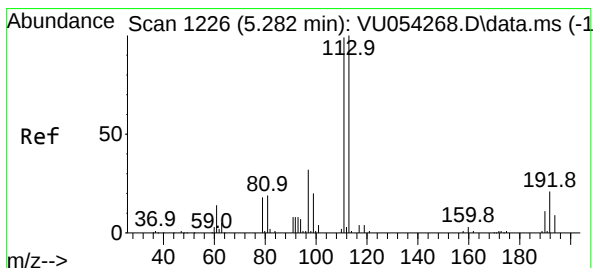
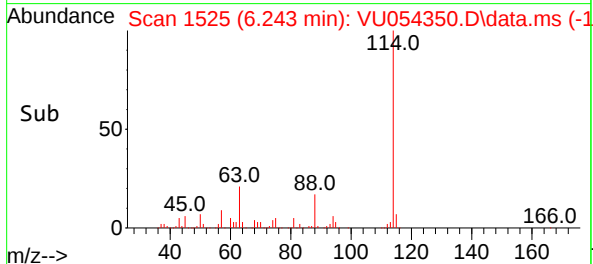
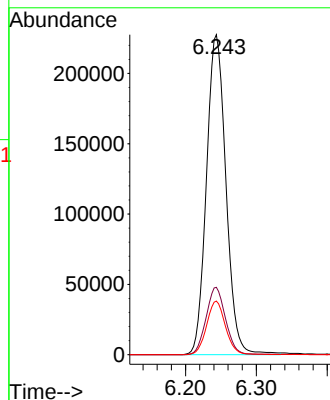
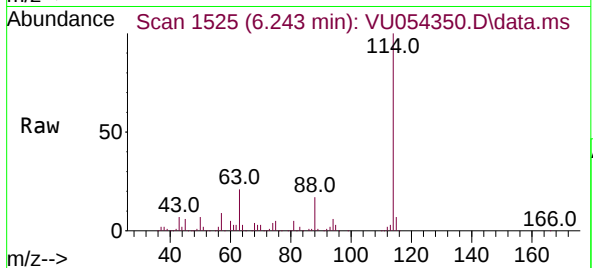




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.243 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

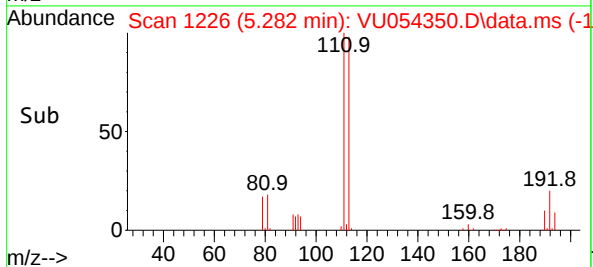
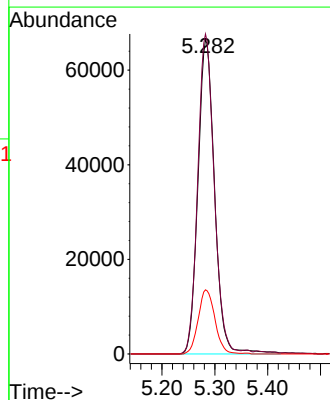
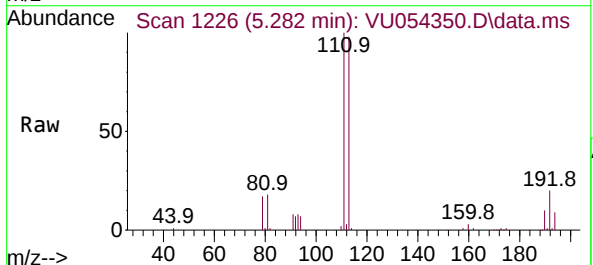
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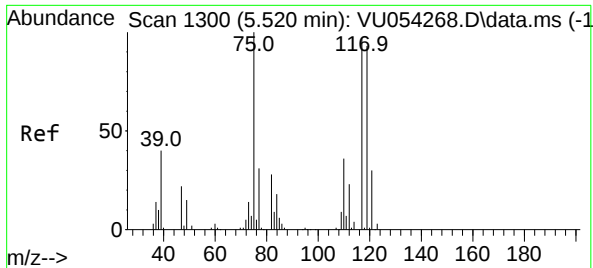
Tgt Ion:114 Resp: 435218
Ion Ratio Lower Upper
114 100
63 21.1 0.0 37.8
88 16.8 0.0 29.2



#35
Dibromofluoromethane
Concen: 51.804 ug/l
RT: 5.282 min Scan# 1226
Delta R.T. 0.000 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Tgt Ion:113 Resp: 145190
Ion Ratio Lower Upper
113 100
111 100.4 82.1 123.1
192 20.5 18.0 27.0

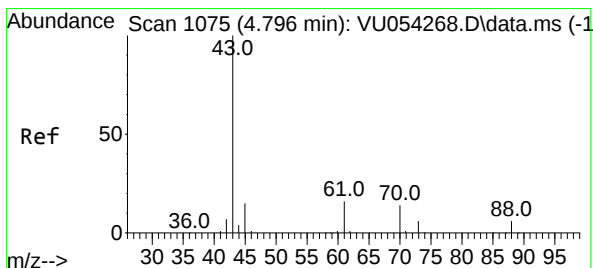
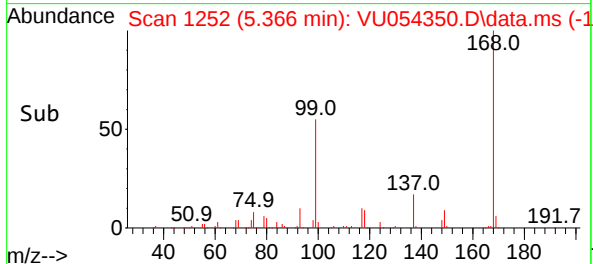
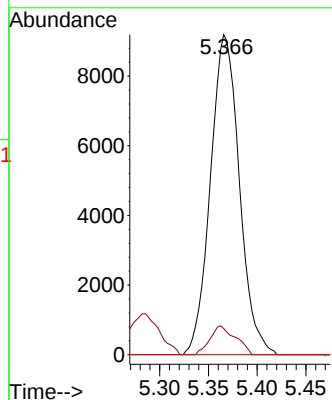
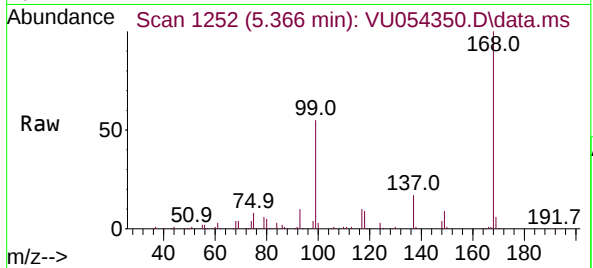




#36
1,1-Dichloropropene
Concen: 4.312 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

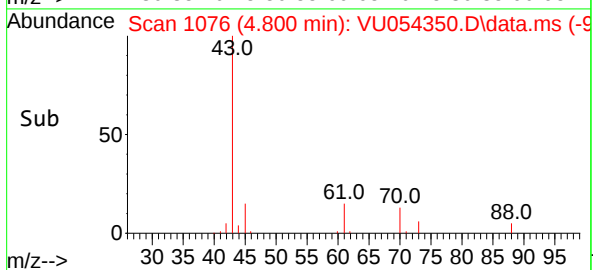
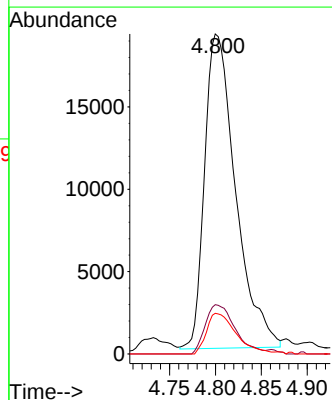
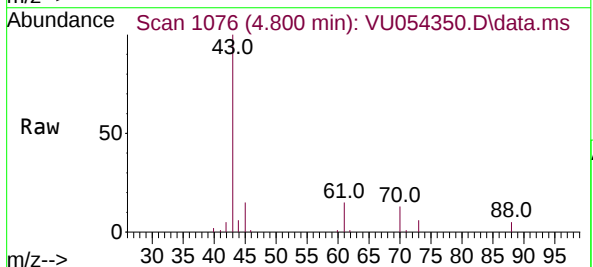
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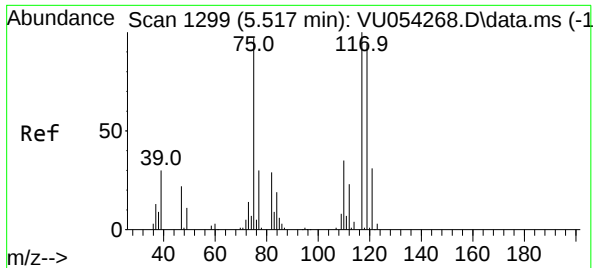
Tgt Ion: 75 Resp: 18980
Ion Ratio Lower Upper
75 100
110 7.9 18.4 55.2#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 8.374 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.004 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Tgt Ion: 43 Resp: 44925
Ion Ratio Lower Upper
43 100
61 15.0 9.5 14.3#
70 12.3 7.5 11.3#

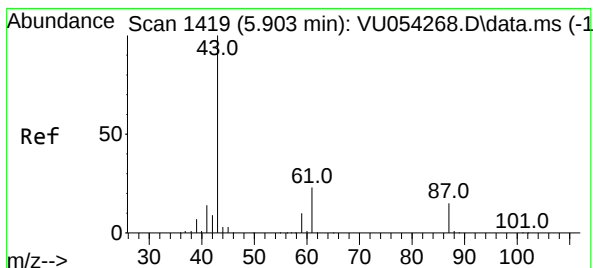
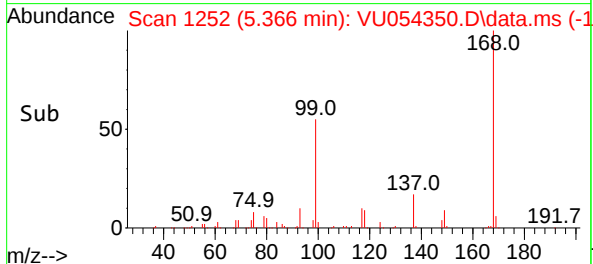
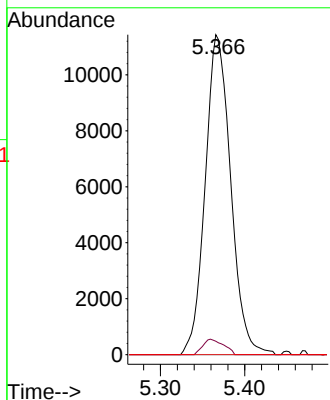
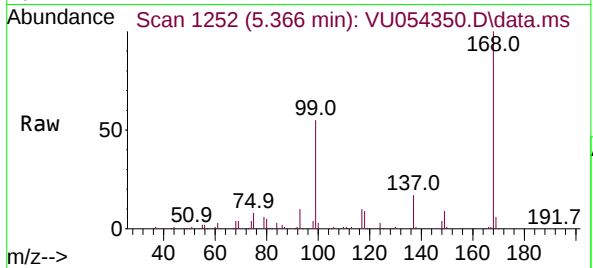




#38
Carbon Tetrachloride
Concen: 5.341 ug/l
RT: 5.366 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

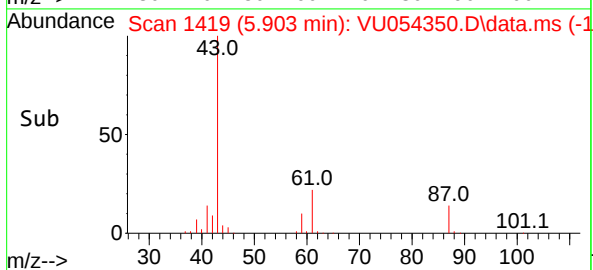
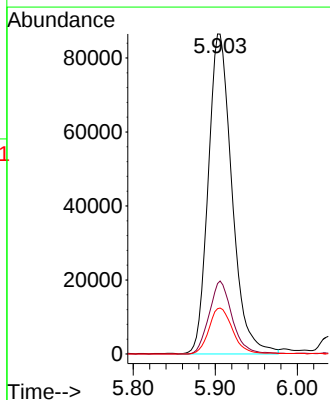
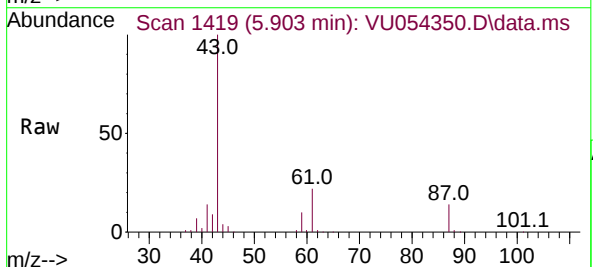
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MSVOA_U
ClientSampleId :
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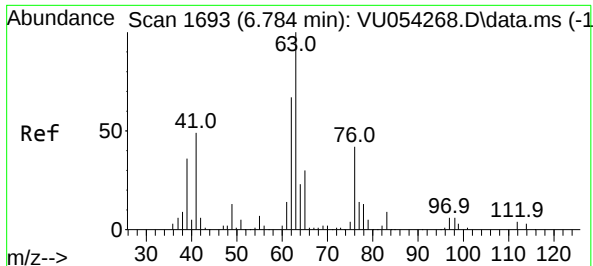
Tgt Ion:117 Resp: 24066
Ion Ratio Lower Upper
117 100
119 4.2 76.8 115.2#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 23.537 ug/l
RT: 5.903 min Scan# 1419
Delta R.T. -0.000 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Tgt Ion: 43 Resp: 174177
Ion Ratio Lower Upper
43 100
61 22.1 17.4 26.0
87 14.2 12.6 18.8





#45

1,2-Dichloropropane

Concen: 0.771 ug/l

RT: 7.031 min Scan# 11

Delta R.T. 0.247 min

Lab File: VU054350.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_U

ClientSampleId :

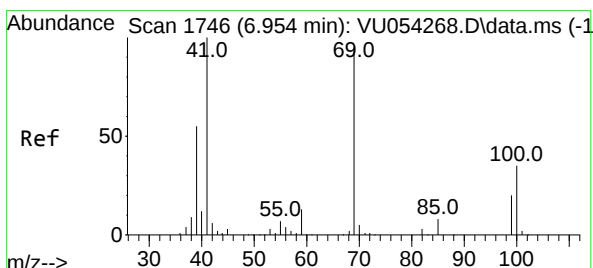
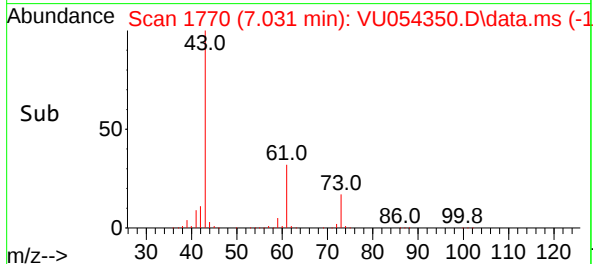
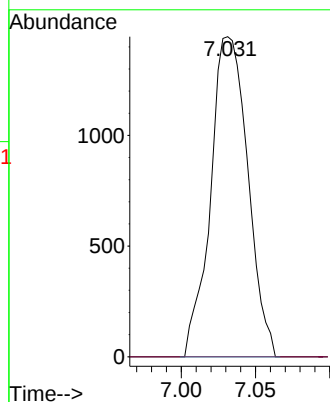
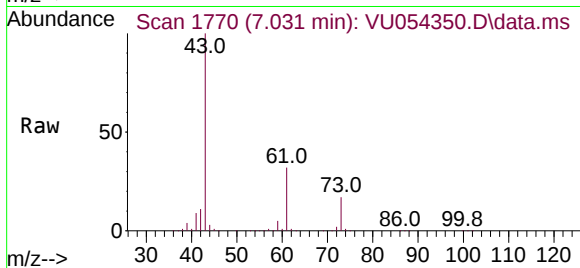
PB153123ZHE#09

Tgt Ion: 63 Resp: 2525

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



#48

Methyl methacrylate

Concen: 1.470 ug/l

RT: 6.903 min Scan# 1730

Delta R.T. -0.051 min

Lab File: VU054350.D

Acq: 31 May 2023 20:10

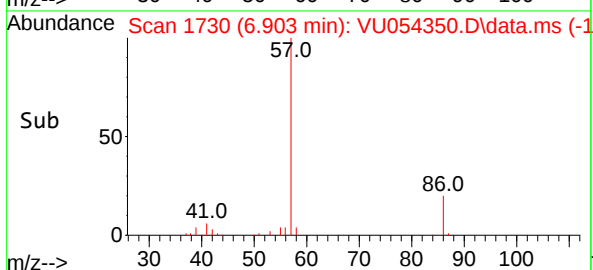
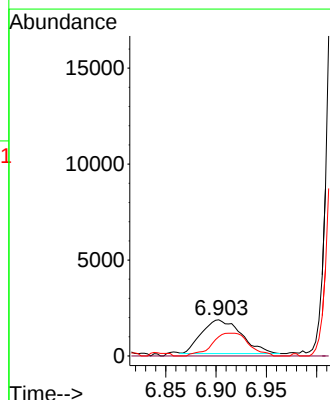
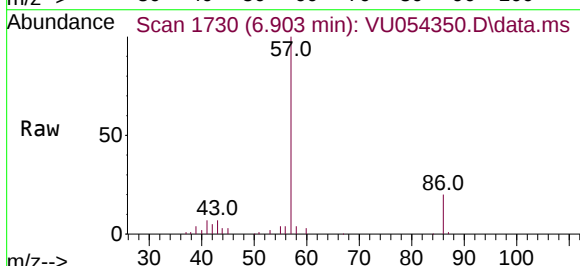
Tgt Ion: 41 Resp: 4824

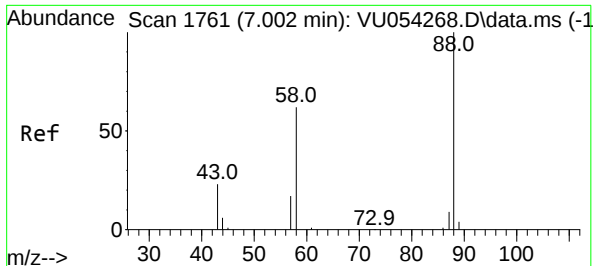
Ion Ratio Lower Upper

41 100

69 0.0 79.8 119.6#

39 62.1 47.9 71.9





#49

1,4-Dioxane

Concen: 3.272 ug/l

RT: 7.028 min Scan# 11

Delta R.T. 0.026 min

Lab File: VU054350.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_U

ClientSampleId :

PB153123ZHE#09

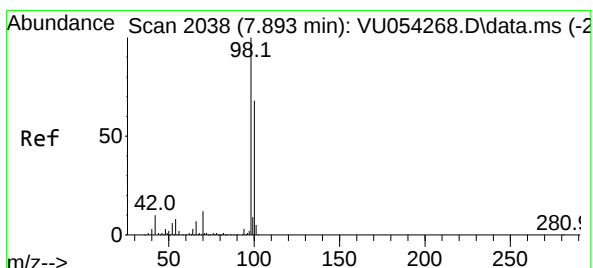
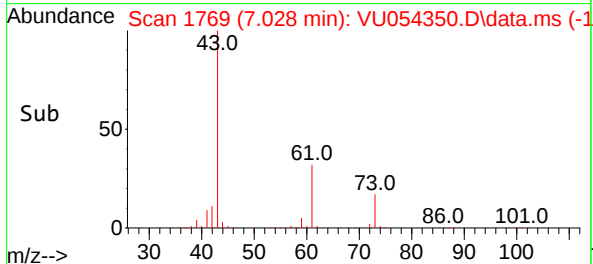
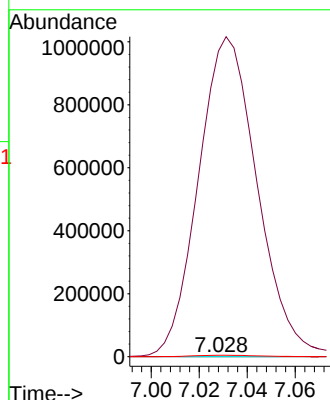
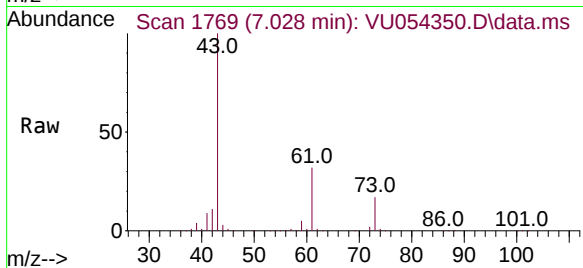
Tgt Ion: 88 Resp: 310

Ion Ratio Lower Upper

88 100

43 568896.8 0.0 0.0#

58 2785.8 15.4 23.0#



#50

Toluene-d8

Concen: 50.218 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054350.D

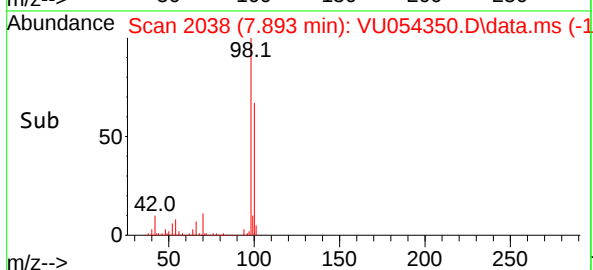
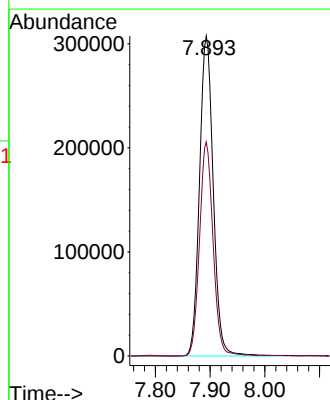
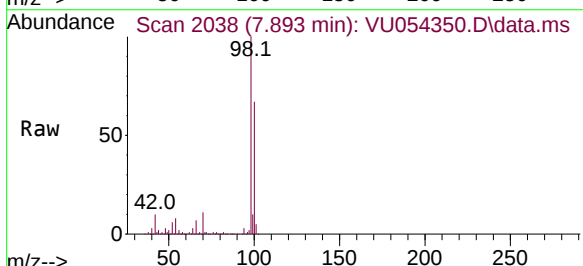
Acq: 31 May 2023 20:10

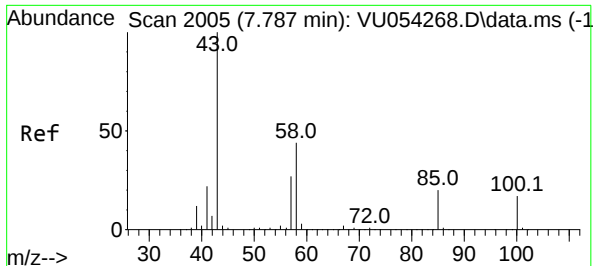
Tgt Ion: 98 Resp: 535354

Ion Ratio Lower Upper

98 100

100 66.0 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 1.647 ug/l

RT: 7.790 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VU054350.D

Acq: 31 May 2023 20:10

Instrument :

MSVOA_U

ClientSampleId :

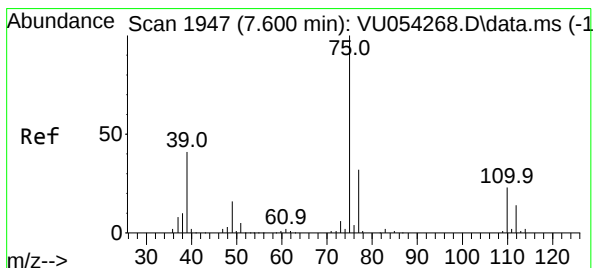
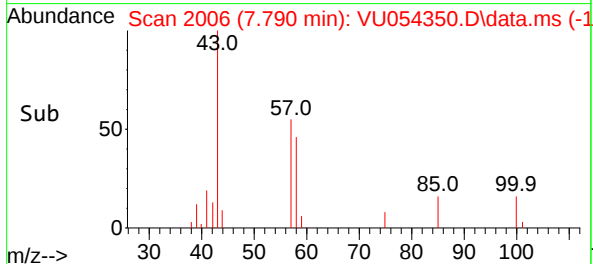
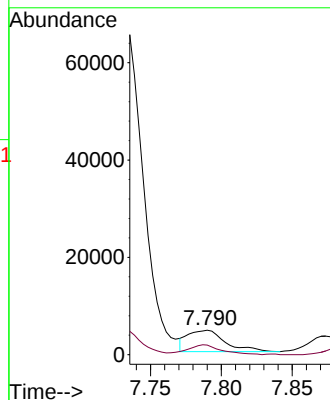
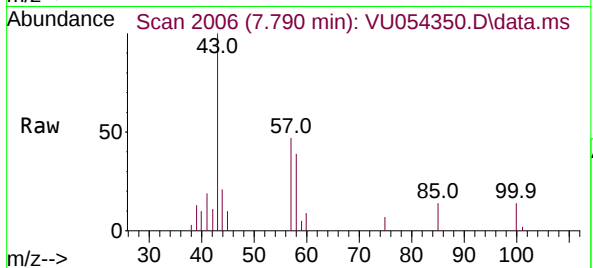
PB153123ZHE#09

Tgt Ion: 43 Resp: 8134

Ion Ratio Lower Upper

43 100

58 40.9 34.7 52.1



#54

cis-1,3-Dichloropropene

Concen: 11.600 ug/l

RT: 7.732 min Scan# 1988

Delta R.T. 0.132 min

Lab File: VU054350.D

Acq: 31 May 2023 20:10

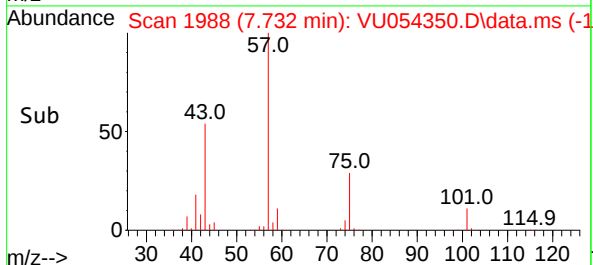
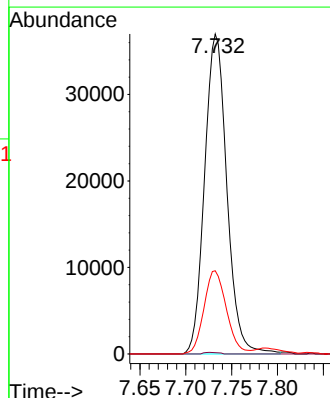
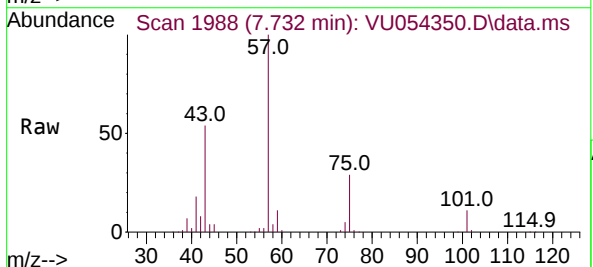
Tgt Ion: 75 Resp: 62452

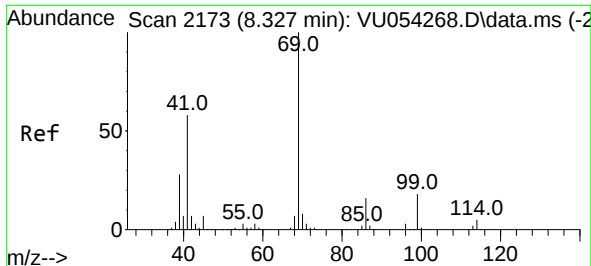
Ion Ratio Lower Upper

75 100

77 0.4 25.7 38.5#

39 26.0 33.0 49.6#

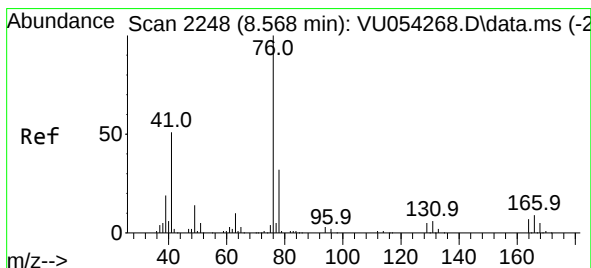
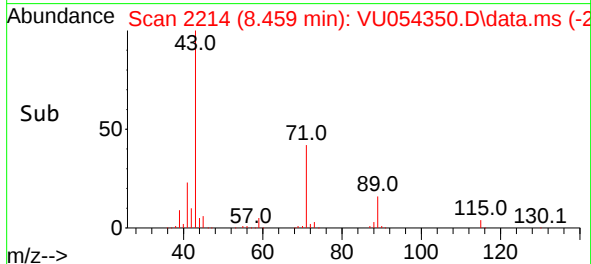
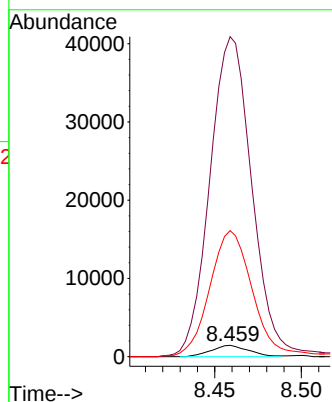
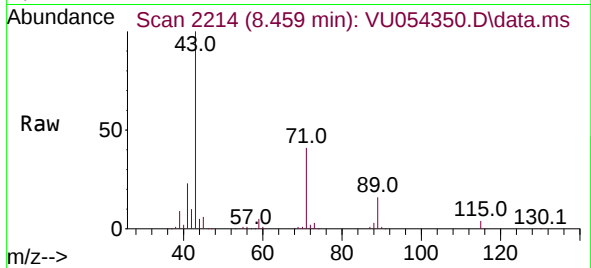




#56
Ethyl methacrylate
Concen: 0.442 ug/l
RT: 8.459 min Scan# 2173
Delta R.T. 0.132 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

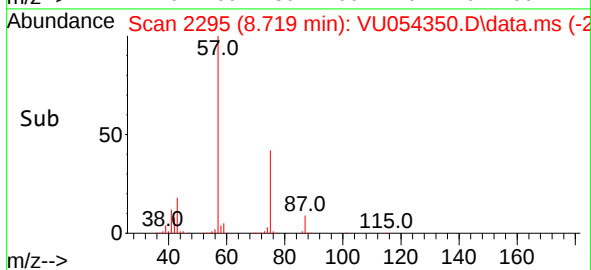
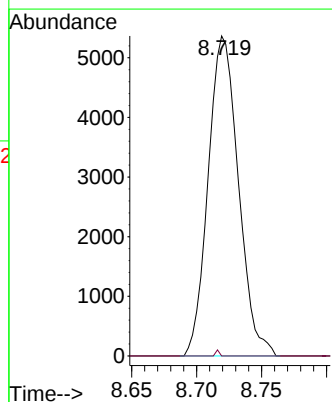
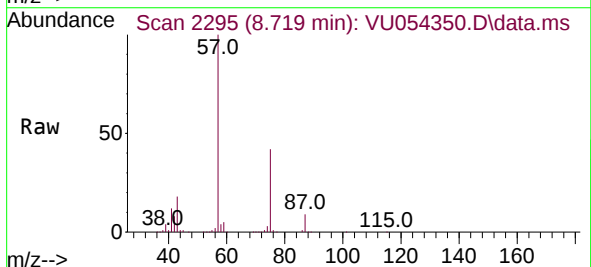
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#09

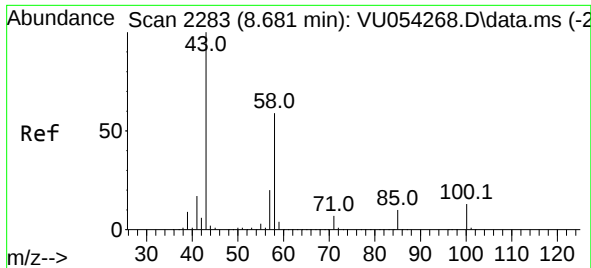
Tgt Ion: 69 Resp: 2184
Ion Ratio Lower Upper
69 100
41 3172.1 45.4 68.0#
39 1270.0 25.7 38.5#



#57
1,3-Dichloropropane
Concen: 1.521 ug/l
RT: 8.719 min Scan# 2295
Delta R.T. 0.151 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Tgt Ion: 76 Resp: 8694
Ion Ratio Lower Upper
76 100
78 0.2 26.1 39.1#

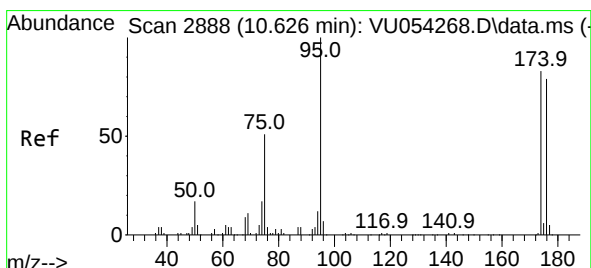
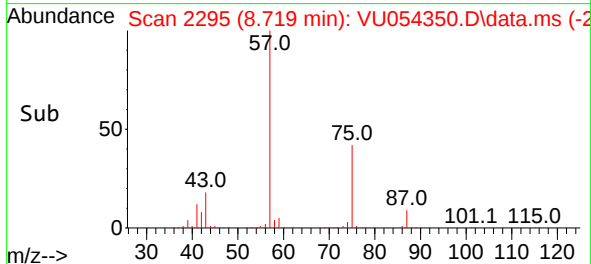
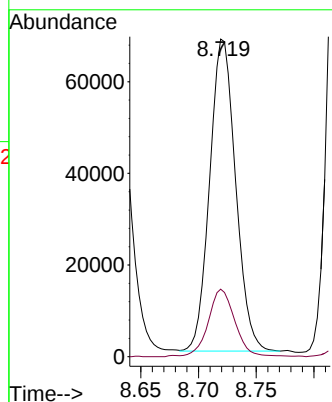
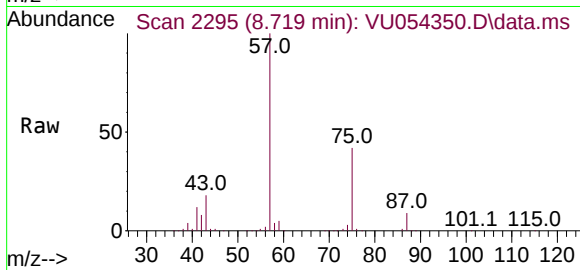




#59
2-Hexanone
Concen: 27.293 ug/l
RT: 8.719 min Scan# 211
Delta R.T. 0.038 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

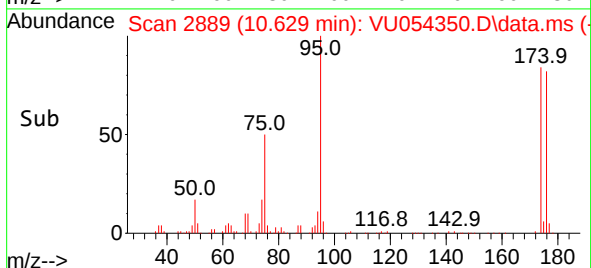
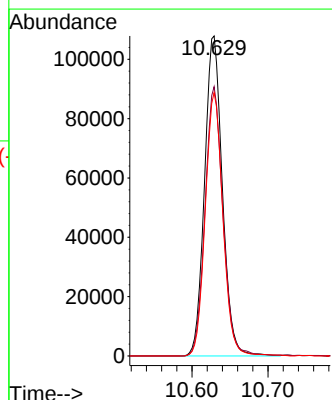
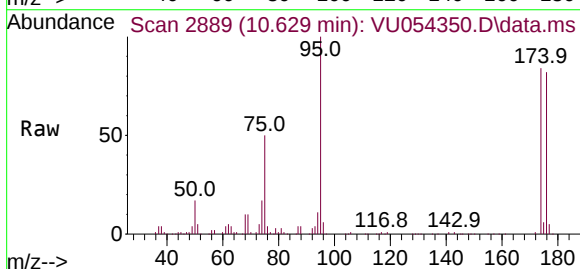
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#09

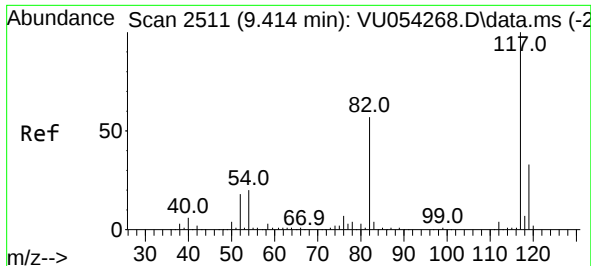
Tgt Ion: 43 Resp: 106471
Ion Ratio Lower Upper
43 100
58 22.4 30.3 90.8#



#62
4-Bromofluorobenzene
Concen: 42.486 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Tgt Ion: 95 Resp: 175618
Ion Ratio Lower Upper
95 100
174 84.7 0.0 182.0
176 81.5 0.0 177.8

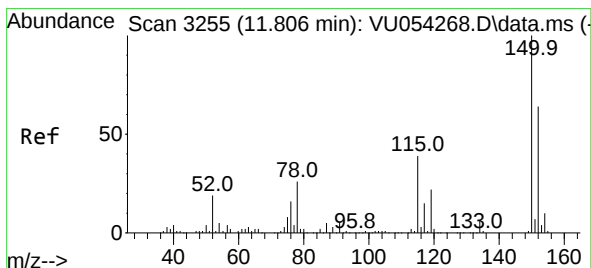
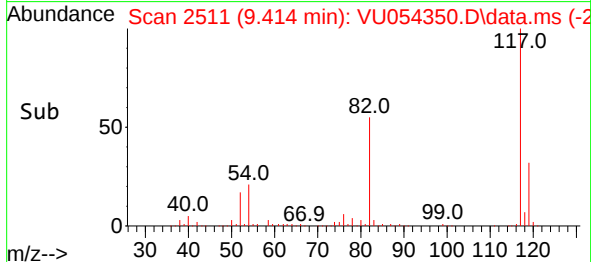
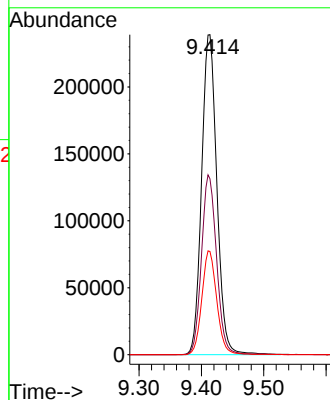
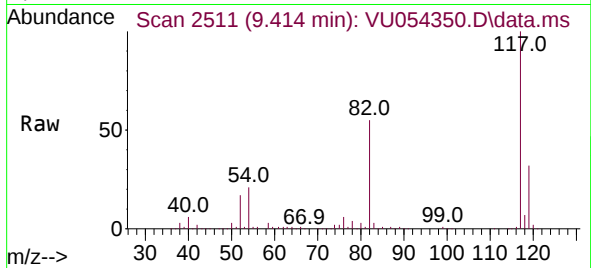




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

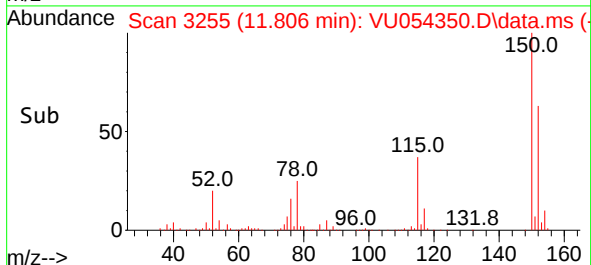
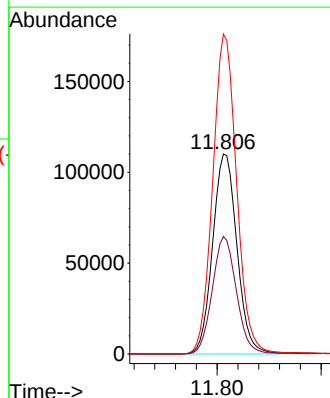
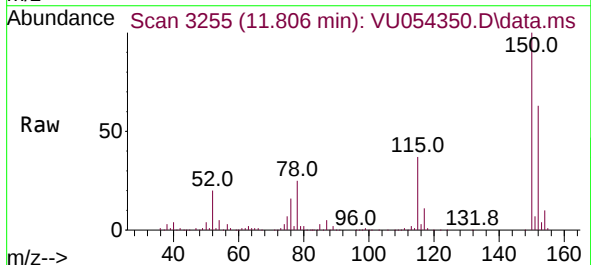
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#09

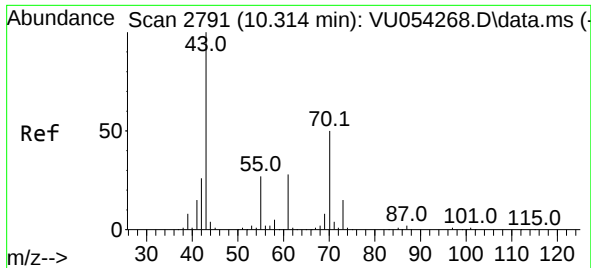
Tgt Ion:117 Resp: 406521
Ion Ratio Lower Upper
117 100
82 54.9 41.7 62.5
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Tgt Ion:152 Resp: 178516
Ion Ratio Lower Upper
152 100
115 58.5 37.0 110.9
150 158.1 0.0 342.2

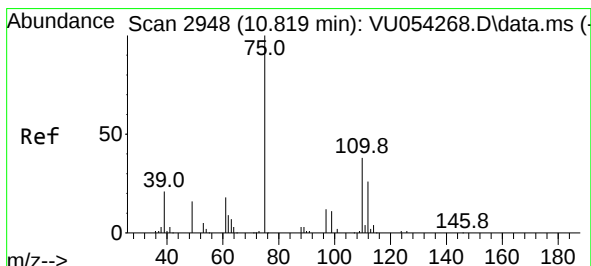
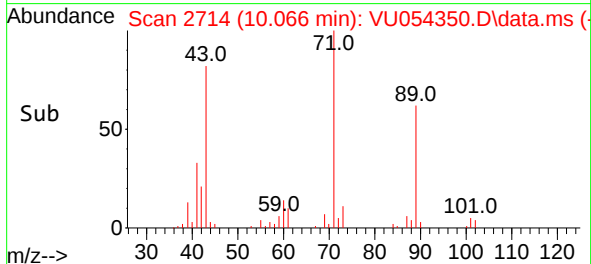
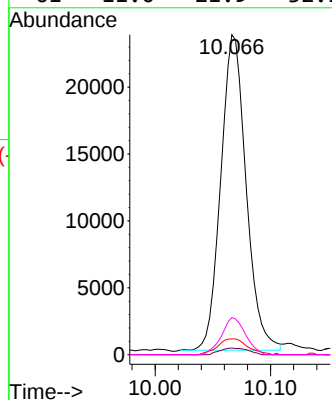
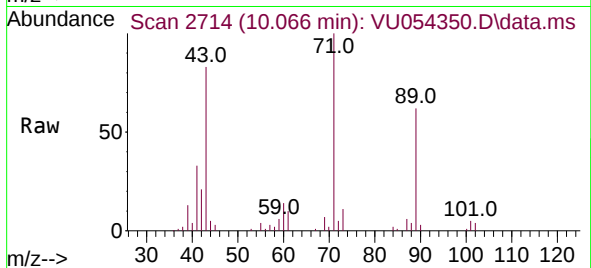




#74
N-amy1 acetate
Concen: 7.650 ug/l
RT: 10.066 min Scan# 21
Delta R.T. -0.248 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

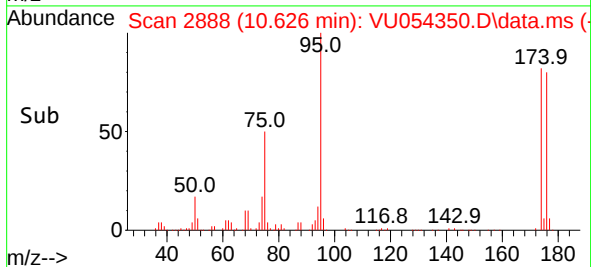
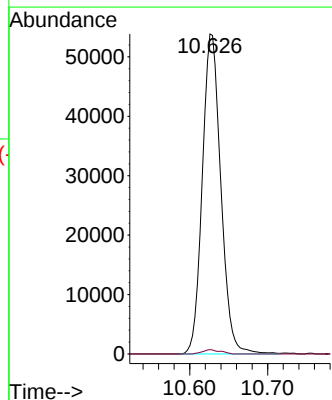
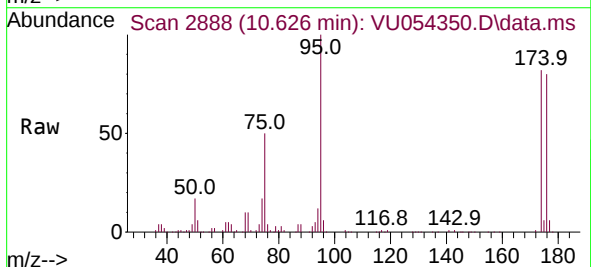
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#09

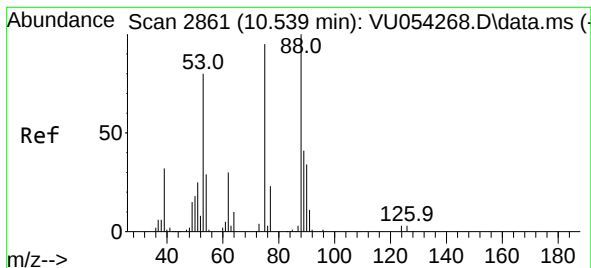
Tgt Ion:	43	Resp:	35911
Ion	Ratio	Lower	Upper
43	100		
70	2.3	38.7	58.1#
55	6.0	21.8	32.8#
61	11.0	21.9	32.9#



#76
1,2,3-Trichloropropane
Concen: 17.102 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.193 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Tgt Ion:	75	Resp:	89105
Ion	Ratio	Lower	Upper
75	100		
77	1.3	15.8	47.3#

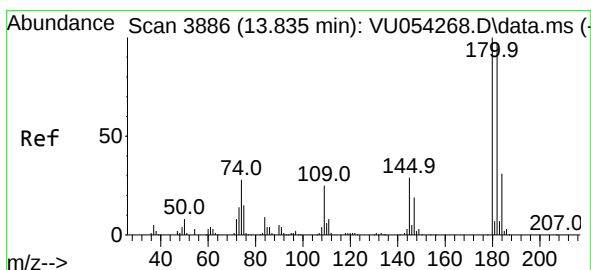
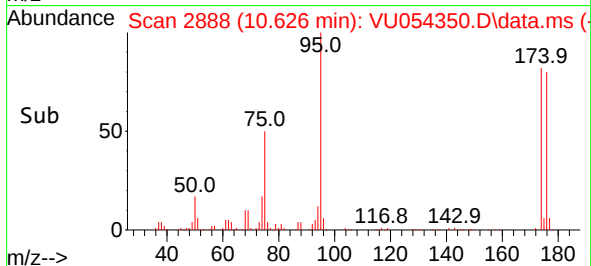
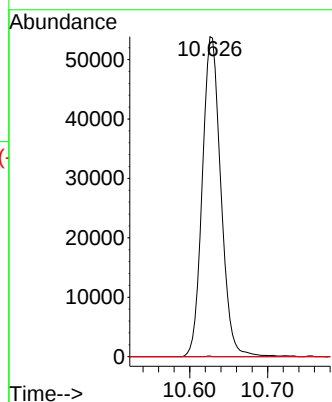
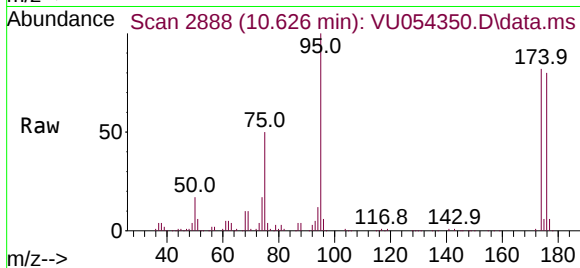




#81
trans-1,4-Dichloro-2-butene
Concen: 65.124 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. 0.087 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

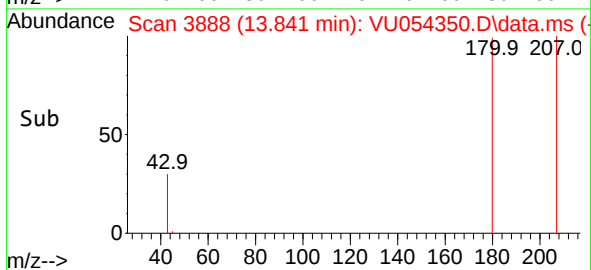
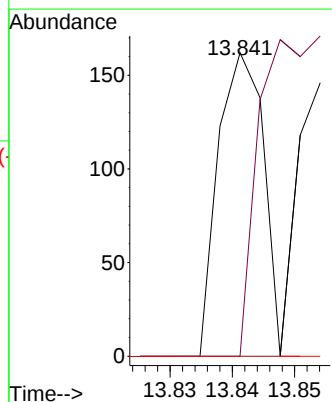
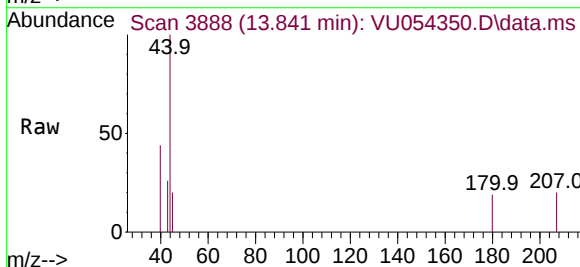
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#09

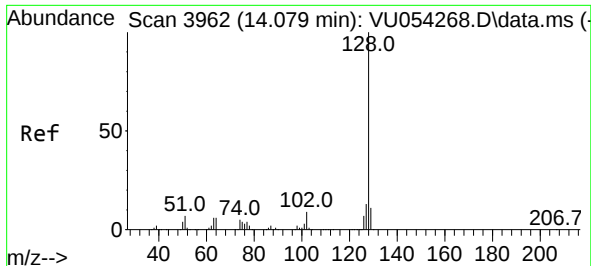
Tgt Ion: 75 Resp: 89105
Ion Ratio Lower Upper
75 100
53 0.1 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.663 ug/l
RT: 13.841 min Scan# 3888
Delta R.T. 0.006 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Tgt Ion:180 Resp: 82
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 0.0 14.0 41.9#

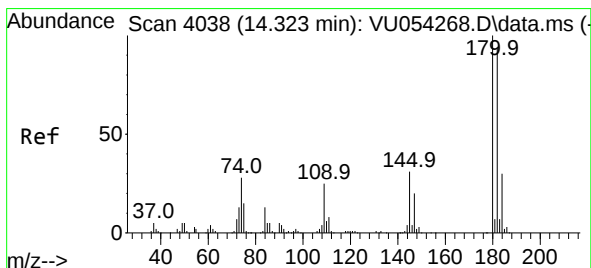
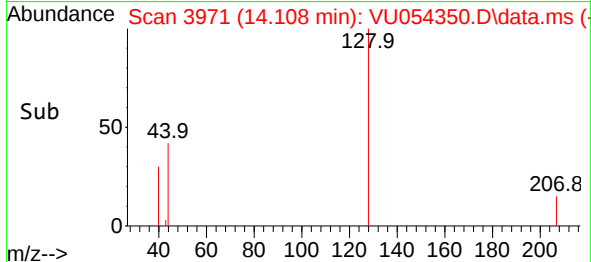
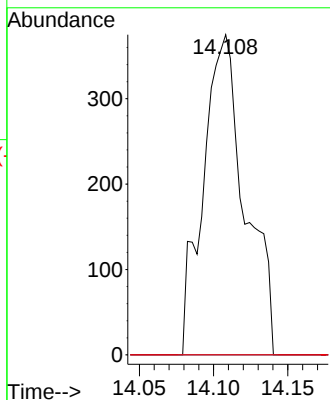
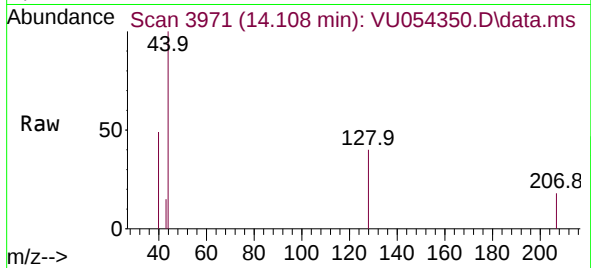




#95
Naphthalene
Concen: 2.045 ug/l
RT: 14.108 min Scan# 3962
Delta R.T. 0.029 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#09

Tgt Ion:128 Resp: 738
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: 1.285 ug/l
RT: 14.330 min Scan# 4040
Delta R.T. 0.007 min
Lab File: VU054350.D
Acq: 31 May 2023 20:10

Tgt Ion:180 Resp: 127
Ion Ratio Lower Upper
180 100
182 130.7 48.4 145.0
145 0.0 14.8 44.4#

