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 Data File : VU054366.D
 Acq On : 01 Jun 2023 02:53
 Operator : JC/MD
 Sample : 02977-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

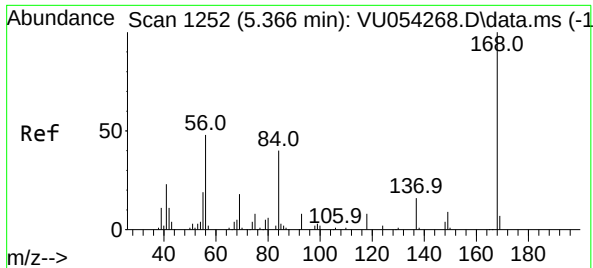
Instrument :
 MSVOA_U
 ClientSampleId :
 FOUNDATION-TEST-PIT

Quant Time: Jun 01 06:42:28 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	259818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	448300	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	429501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	194785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	179690	52.758	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.520%			
35) Dibromofluoromethane	5.282	113	149327	51.725	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.440%			
50) Toluene-d8	7.893	98	563956	51.357	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.720%			
62) 4-Bromofluorobenzene	10.626	95	191100	44.882	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.760%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.855	94	459	0.229	ug/l #	75
16) Acetone	2.626	43	27837	14.258	ug/l	100
18) Methyl Acetate	2.951	43	4534	0.636	ug/l #	83
20) Methylene Chloride	3.041	84	19828	5.630	ug/l	95
25) 2-Butanone	4.735	43	1982	0.767	ug/l #	87
31) Cyclohexane	5.366	56	5062	1.053	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	20566	4.536	ug/l #	48
37) Ethyl Acetate	4.803	43	45404	8.216	ug/l #	92
38) Carbon Tetrachloride	5.369	117	25398	5.472	ug/l #	15
43) Isopropyl Acetate	5.903	43	171893	22.551	ug/l	98
45) 1,2-Dichloropropane	7.028	63	2596	0.769	ug/l #	43
48) Methyl methacrylate	6.903	41	5260	1.556	ug/l #	34
49) 1,4-Dioxane	7.034	88	194	1.988	ug/l #	1
51) 4-Methyl-2-Pentanone	7.784	43	8124	1.597	ug/l	94
54) cis-1,3-Dichloropropene	7.732	75	62301	11.234	ug/l #	62
56) Ethyl methacrylate	8.459	69	2040	0.401	ug/l #	1
57) 1,3-Dichloropropane	8.719	76	7974	1.355	ug/l #	42
59) 2-Hexanone	8.719	43	99295	24.710	ug/l #	49
74) N-amyl acetate	10.066	43	28564	5.577	ug/l #	48
76) 1,2,3-Trichloropropane	10.626	75	94534	16.629	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.626	75	94534	63.321	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.848	180	391	1.728	ug/l #	88
95) Naphthalene	14.095	128	780	2.043	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.333	180	373	1.337	ug/l #	69

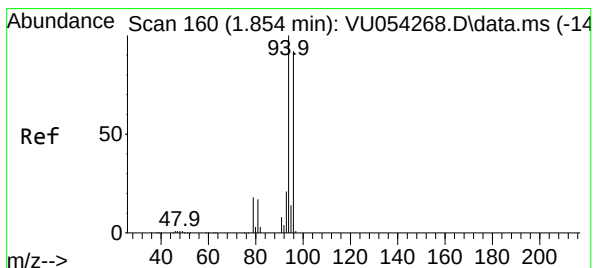
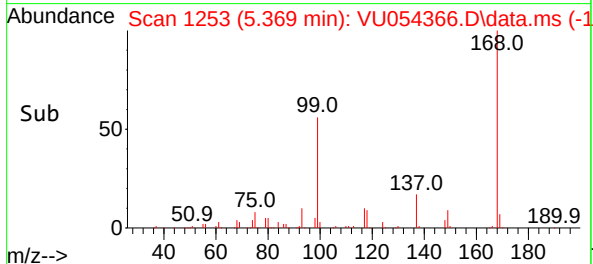
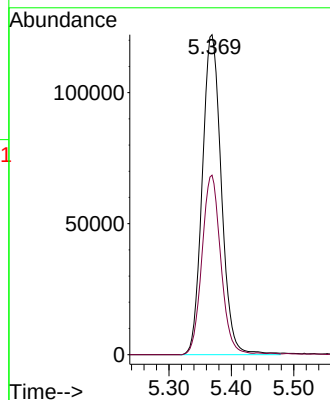
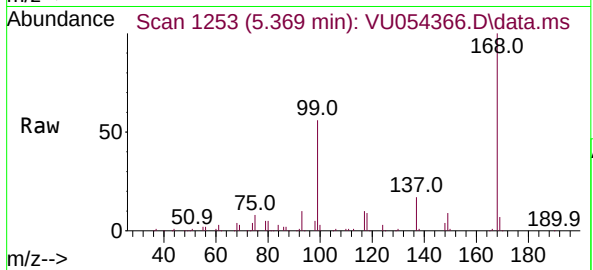
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

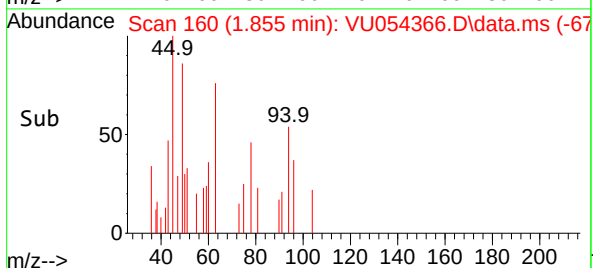
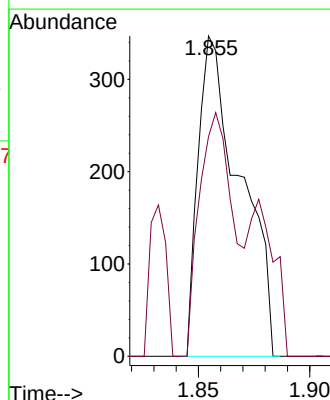
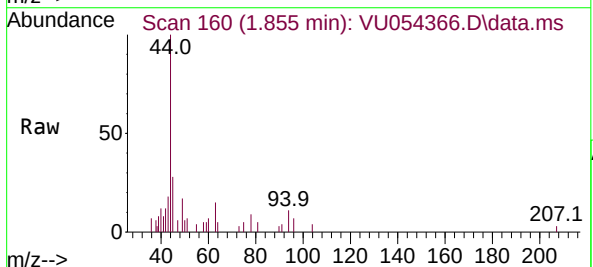
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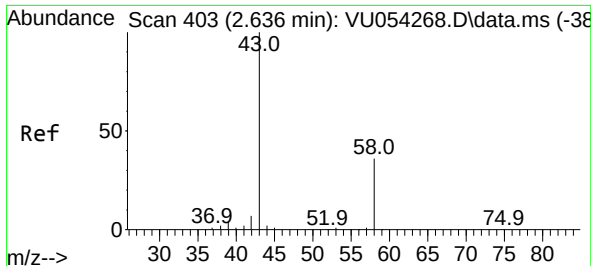
Tgt Ion:168 Resp: 259818
Ion Ratio Lower Upper
168 100
99 56.1 39.3 58.9



#5
Bromomethane
Concen: 0.229 ug/l
RT: 1.855 min Scan# 160
Delta R.T. 0.001 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

Tgt Ion: 94 Resp: 459
Ion Ratio Lower Upper
94 100
96 68.6 73.7 110.5#





#16

Acetone

Concen: 14.258 ug/l

RT: 2.626 min Scan# 40

Delta R.T. -0.010 min

Lab File: VU054366.D

Acq: 01 Jun 2023 02:53

Instrument :

MSVOA_U

ClientSampleId :

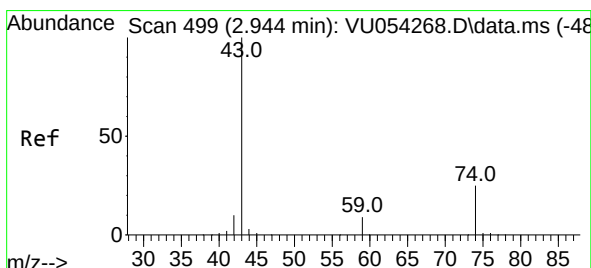
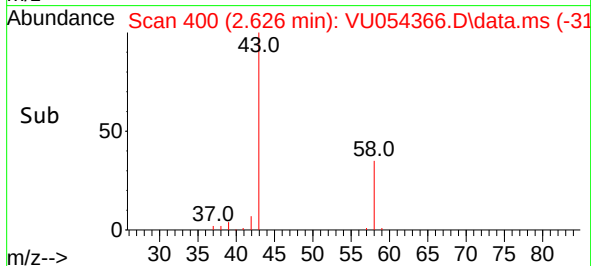
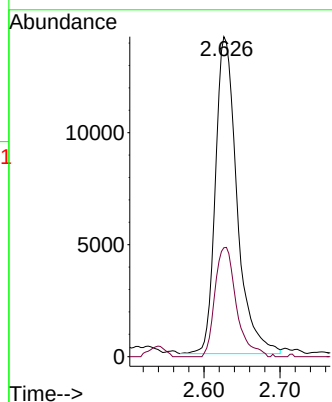
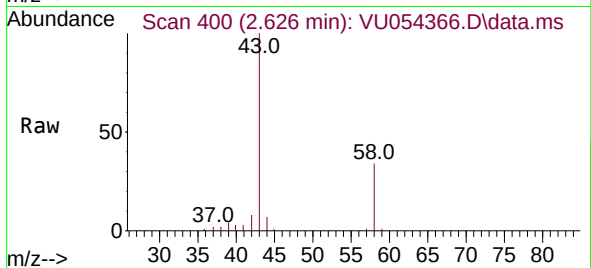
FOUNDATION-TEST-PIT

Tgt Ion: 43 Resp: 27837

Ion Ratio Lower Upper

43 100

58 34.4 27.5 41.3



#18

Methyl Acetate

Concen: 0.636 ug/l

RT: 2.951 min Scan# 501

Delta R.T. 0.007 min

Lab File: VU054366.D

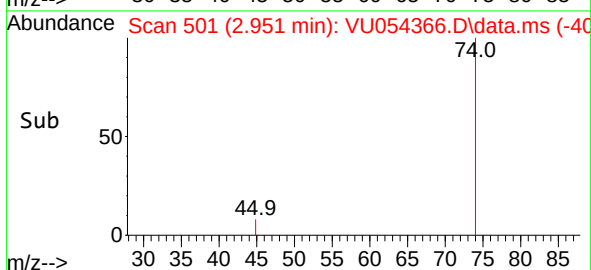
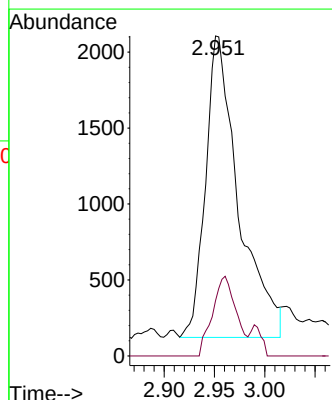
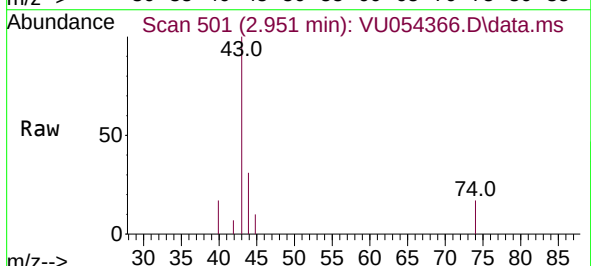
Acq: 01 Jun 2023 02:53

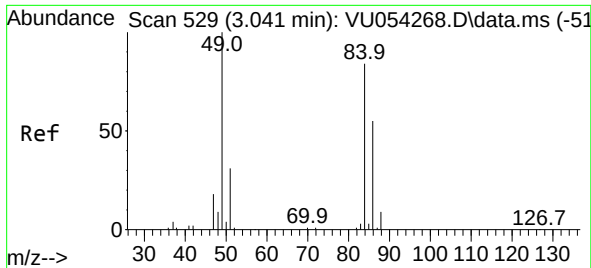
Tgt Ion: 43 Resp: 4534

Ion Ratio Lower Upper

43 100

74 19.1 22.5 33.7#

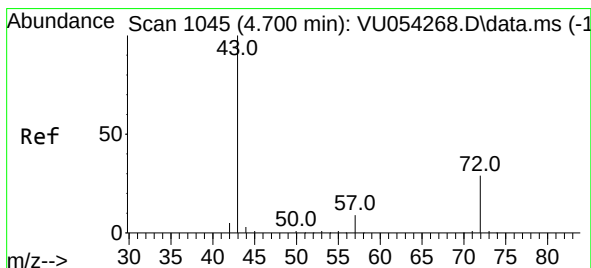
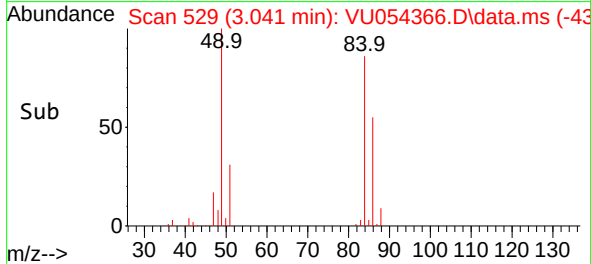
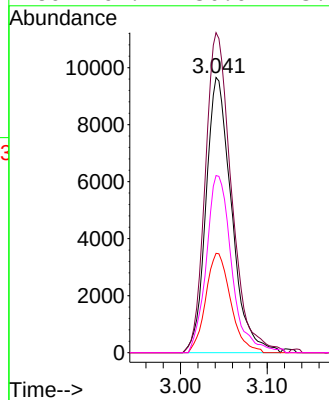
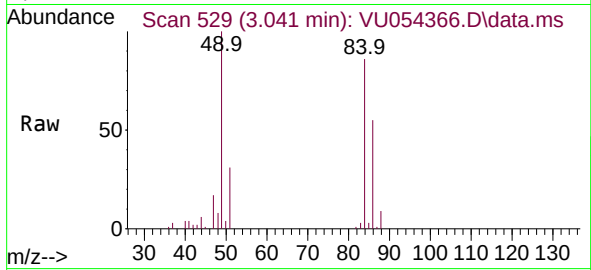




#20
Methylene Chloride
Concen: 5.630 ug/l
RT: 3.041 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

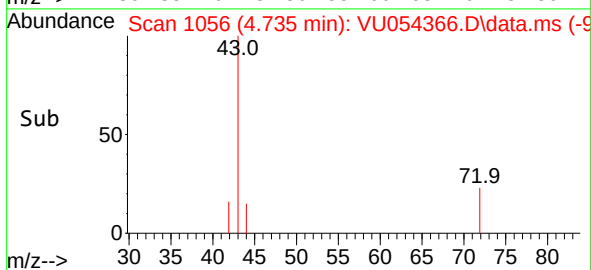
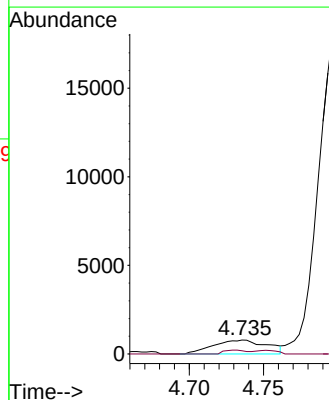
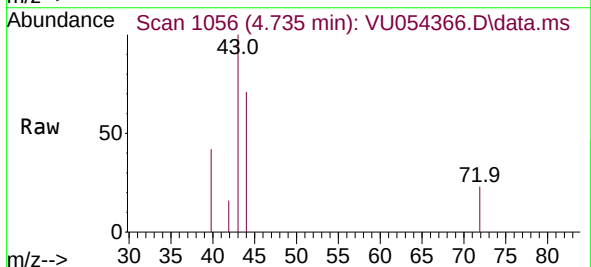
Instrument :
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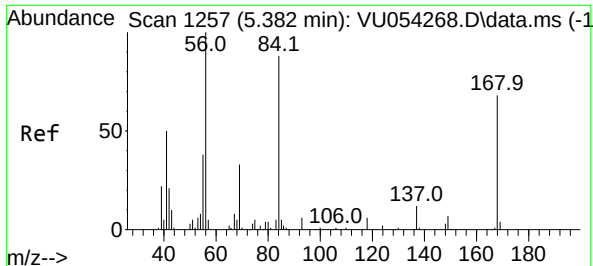
Tgt Ion:	84	Resp:	19828
Ion	Ratio	Lower	Upper
84	100		
49	116.3	86.6	129.8
51	36.1	26.6	40.0
86	64.4	50.6	75.8



#25
2-Butanone
Concen: 0.767 ug/l
RT: 4.735 min Scan# 1056
Delta R.T. 0.035 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

Tgt Ion:	43	Resp:	1982
Ion	Ratio	Lower	Upper
43	100		
72	22.7	23.8	35.6#





#31

Cyclohexane

Concen: 1.053 ug/l

RT: 5.366 min Scan# 1

Delta R.T. -0.016 min

Lab File: VU054366.D

Acq: 01 Jun 2023 02:53

Instrument :

MSVOA_U

ClientSampleId :

FOUNDATION-TEST-PIT

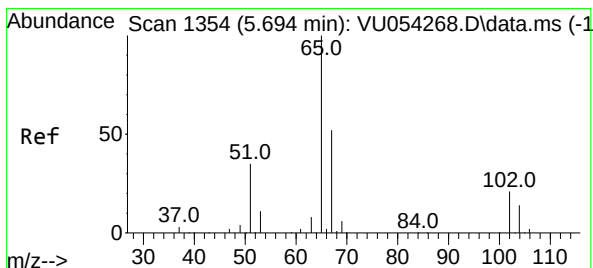
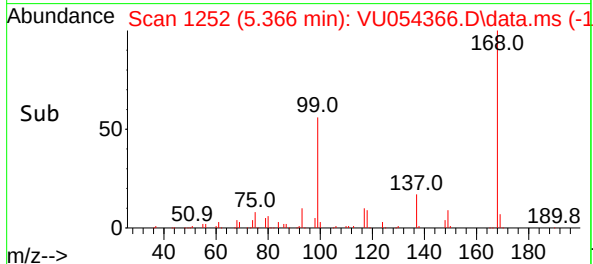
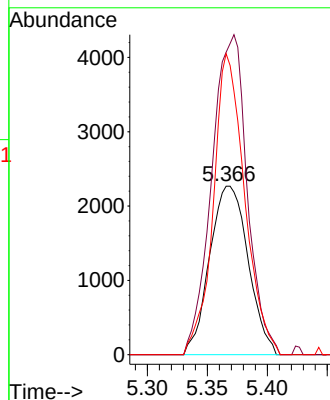
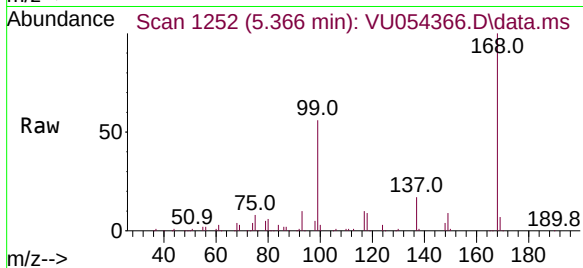
Tgt Ion: 56 Resp: 5062

Ion Ratio Lower Upper

56 100

69 179.5 27.8 41.8#

84 178.5 74.2 111.4#



#33

1,2-Dichloroethane-d4

Concen: 52.758 ug/l

RT: 5.694 min Scan# 1354

Delta R.T. -0.000 min

Lab File: VU054366.D

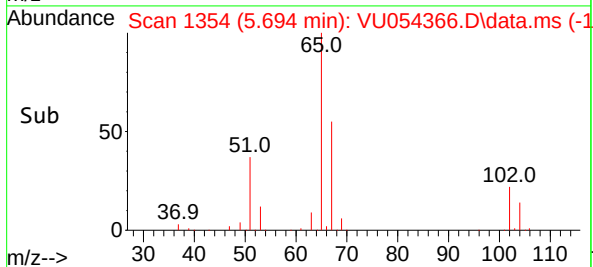
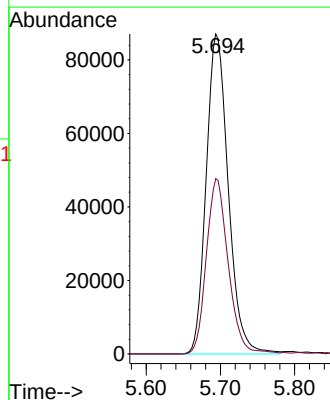
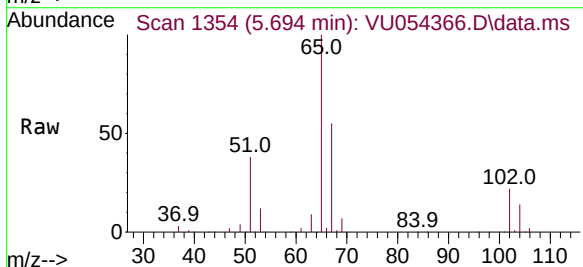
Acq: 01 Jun 2023 02:53

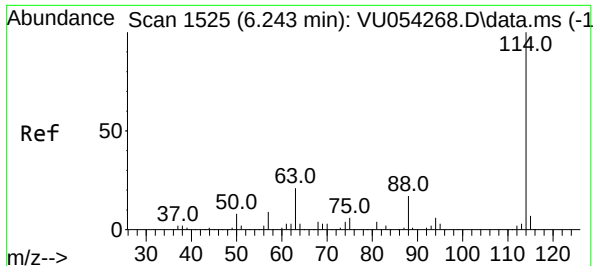
Tgt Ion: 65 Resp: 179690

Ion Ratio Lower Upper

65 100

67 54.3 0.0 108.0

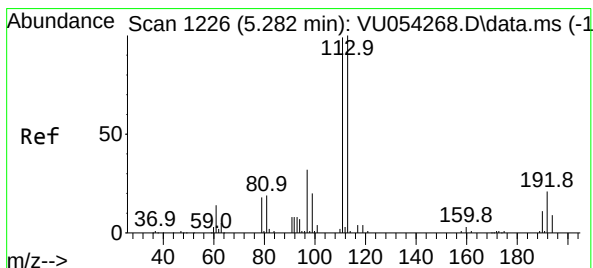
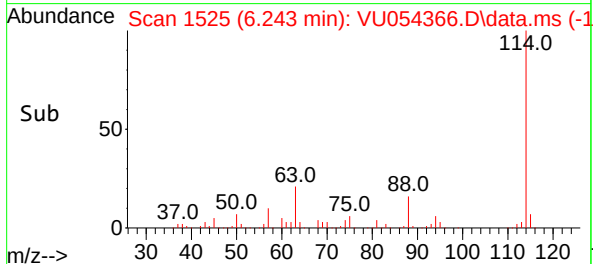
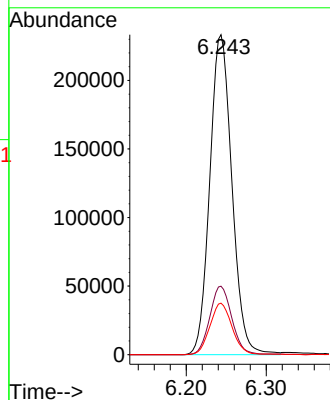
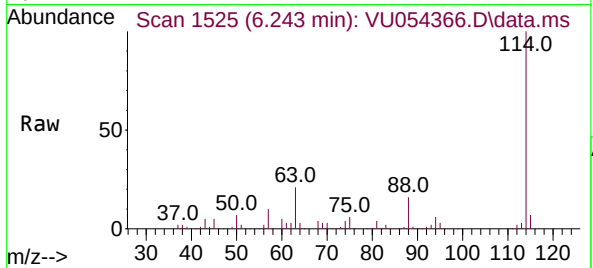




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.243 min Scan# 114
Delta R.T. 0.000 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

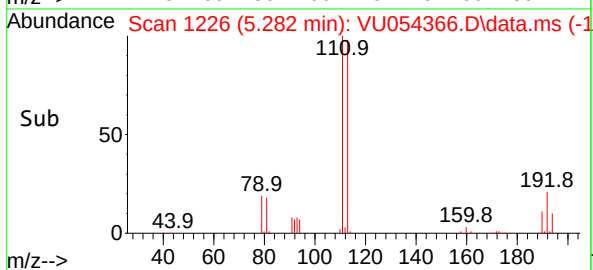
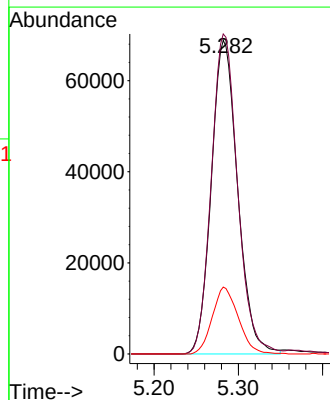
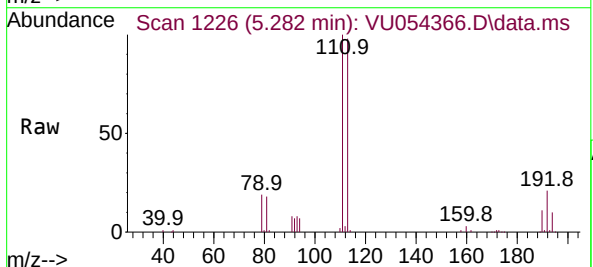
Instrument :
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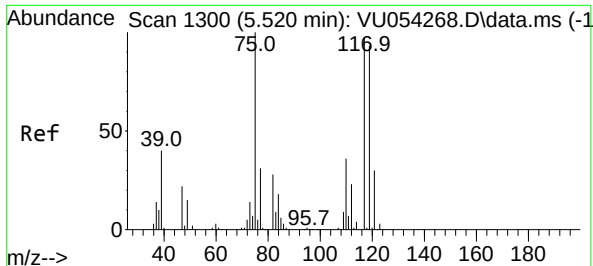
Tgt Ion:114 Resp: 448300
Ion Ratio Lower Upper
114 100
63 21.4 0.0 37.8
88 16.1 0.0 29.2



#35
Dibromofluoromethane
Concen: 51.725 ug/l
RT: 5.282 min Scan# 1226
Delta R.T. 0.000 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

Tgt Ion:113 Resp: 149327
Ion Ratio Lower Upper
113 100
111 101.7 82.1 123.1
192 21.0 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.536 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.151 min

Lab File: VU054366.D

Acq: 01 Jun 2023 02:53

Instrument :

MSVOA_U

ClientSampleId :

FOUNDATION-TEST-PIT

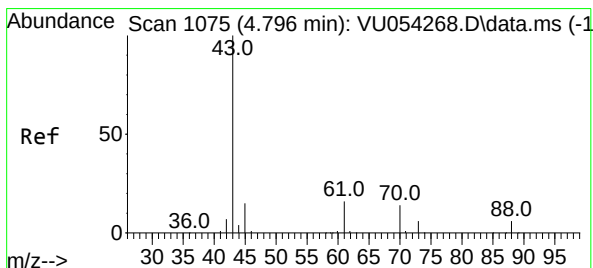
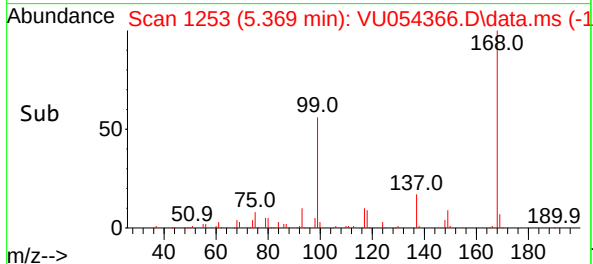
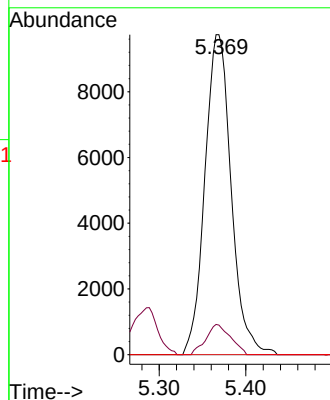
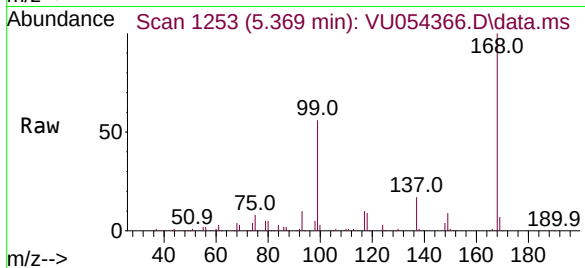
Tgt Ion: 75 Resp: 20566

Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 8.216 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.007 min

Lab File: VU054366.D

Acq: 01 Jun 2023 02:53

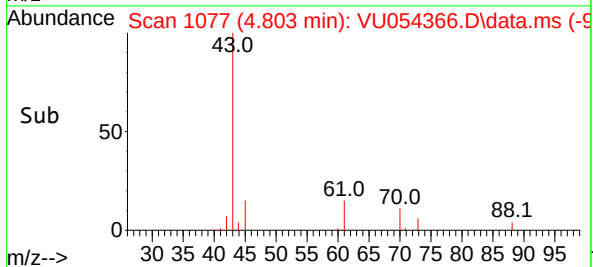
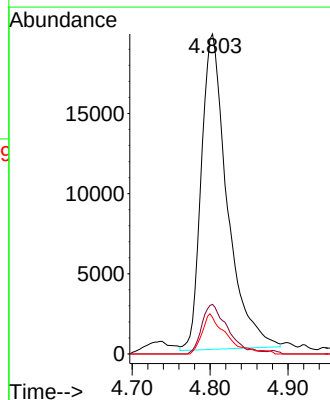
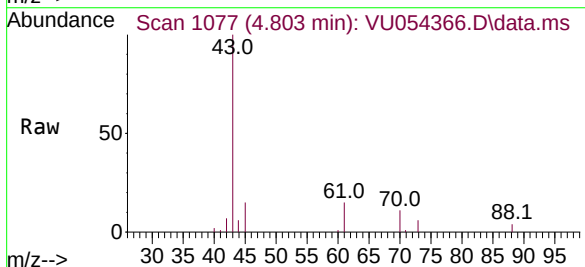
Tgt Ion: 43 Resp: 45404

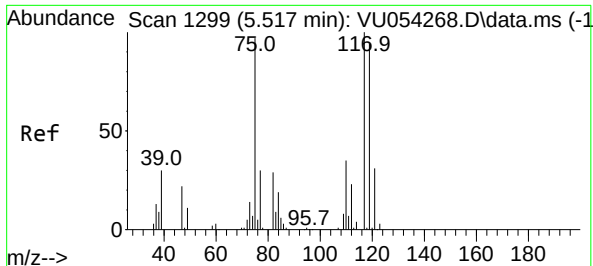
Ion Ratio Lower Upper

43 100

61 15.8 9.5 14.3#

70 11.6 7.5 11.3#

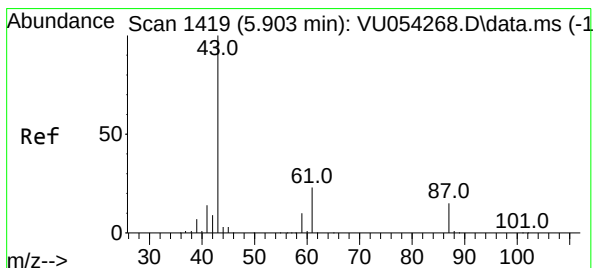
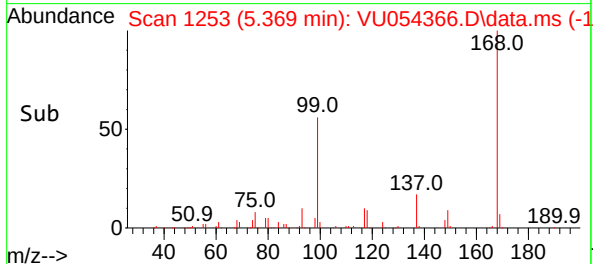
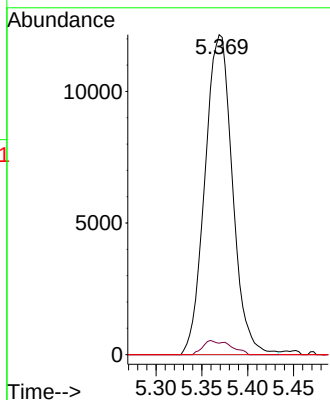
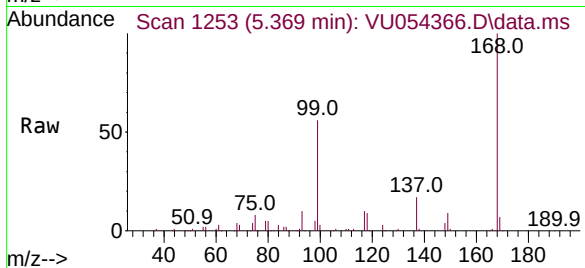




#38
Carbon Tetrachloride
Concen: 5.472 ug/l
RT: 5.369 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

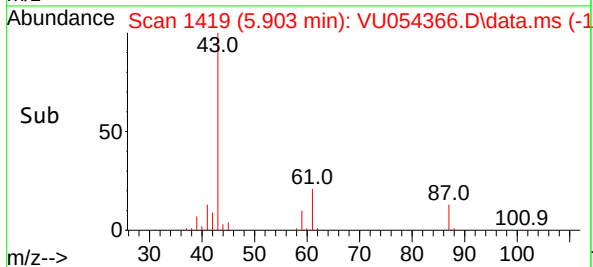
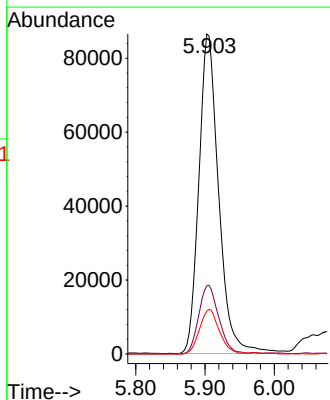
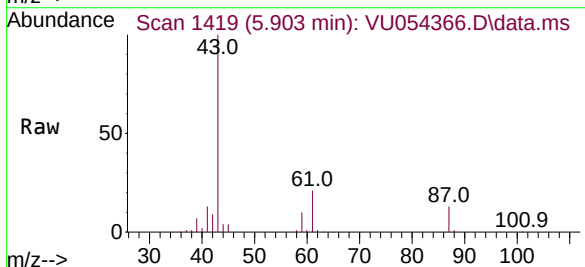
Instrument :
MSVOA_U
ClientSampleId :
FOUNDATION-TEST-PIT

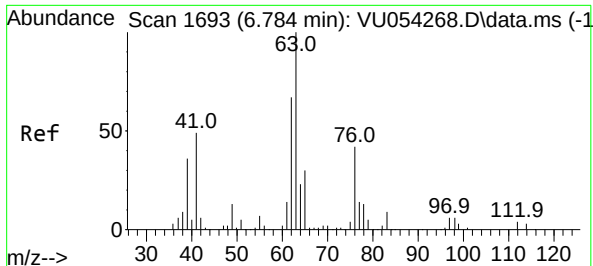
Tgt Ion:117 Resp: 25398
Ion Ratio Lower Upper
117 100
119 3.6 76.8 115.2#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 22.551 ug/l
RT: 5.903 min Scan# 1419
Delta R.T. -0.000 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

Tgt Ion: 43 Resp: 171893
Ion Ratio Lower Upper
43 100
61 21.7 17.4 26.0
87 13.8 12.6 18.8





#45

1,2-Dichloropropane

Concen: 0.769 ug/l

RT: 7.028 min Scan# 1

Delta R.T. 0.244 min

Lab File: VU054366.D

Acq: 01 Jun 2023 02:53

Instrument :

MSVOA_U

ClientSampleId :

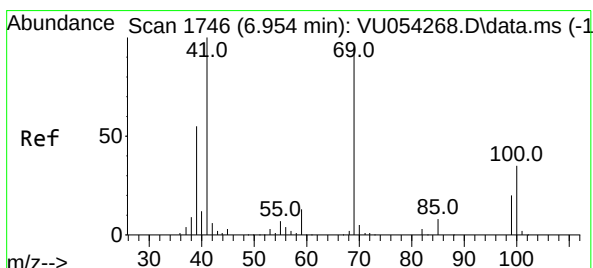
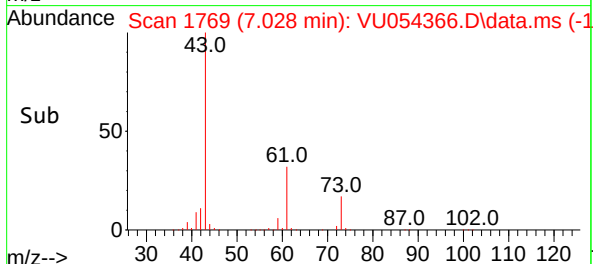
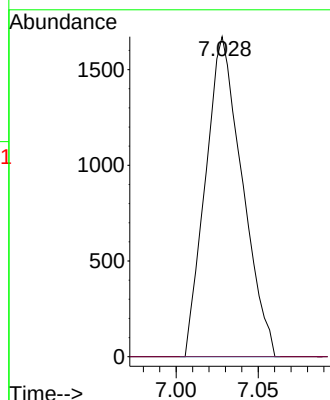
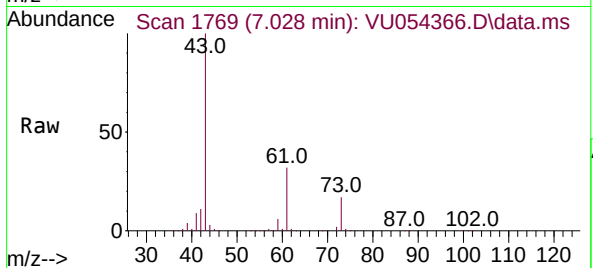
FOUNDATION-TEST-PIT

Tgt Ion: 63 Resp: 2596

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



#48

Methyl methacrylate

Concen: 1.556 ug/l

RT: 6.903 min Scan# 1730

Delta R.T. -0.051 min

Lab File: VU054366.D

Acq: 01 Jun 2023 02:53

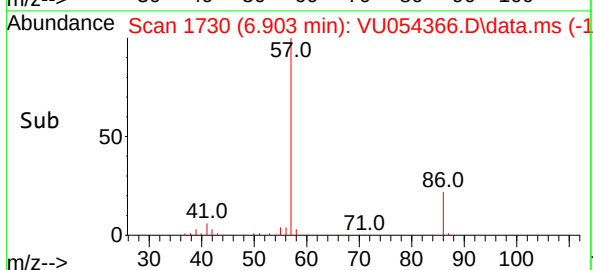
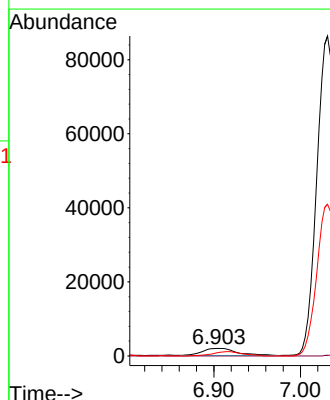
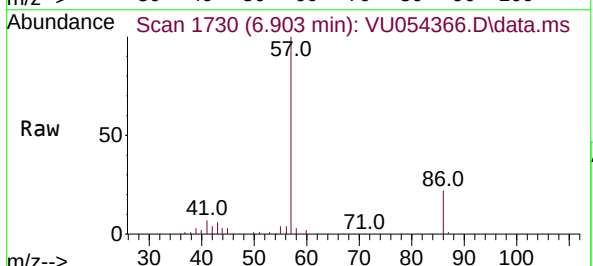
Tgt Ion: 41 Resp: 5260

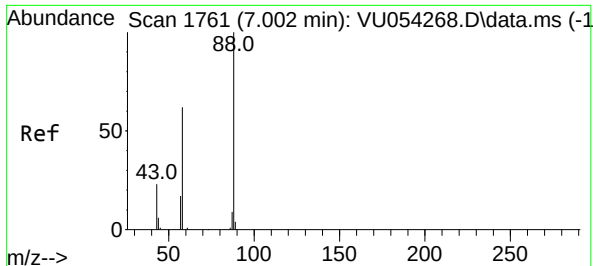
Ion Ratio Lower Upper

41 100

69 0.0 79.8 119.6#

39 53.6 47.9 71.9





#49

1,4-Dioxane

Concen: 1.988 ug/l

RT: 7.034 min Scan# 11

Delta R.T. 0.032 min

Lab File: VU054366.D

Acq: 01 Jun 2023 02:53

Instrument :

MSVOA_U

ClientSampleId :

FOUNDATION-TEST-PIT

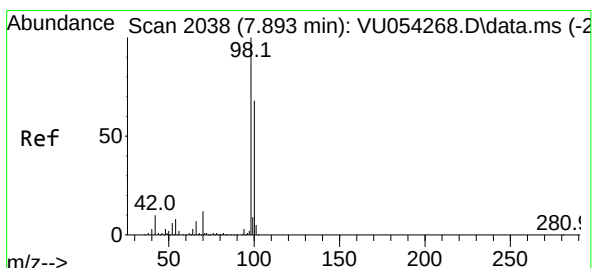
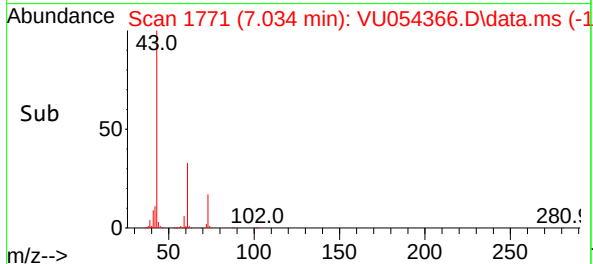
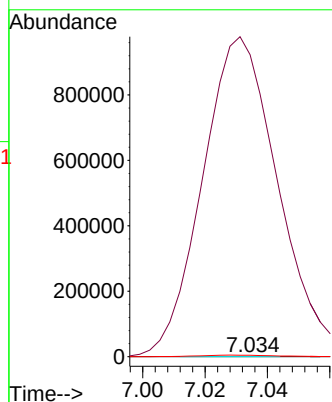
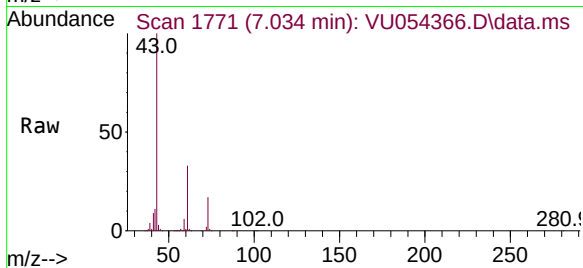
Tgt Ion: 88 Resp: 194

Ion Ratio Lower Upper

88 100

43 870026.3 0.0 0.0#

58 4316.5 15.4 23.0#



#50

Toluene-d8

Concen: 51.357 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054366.D

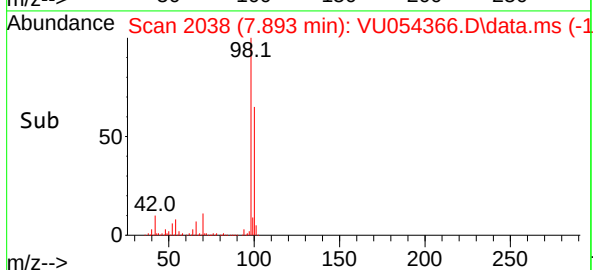
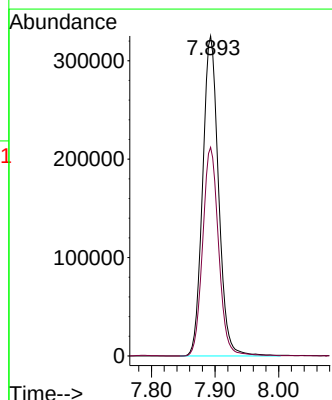
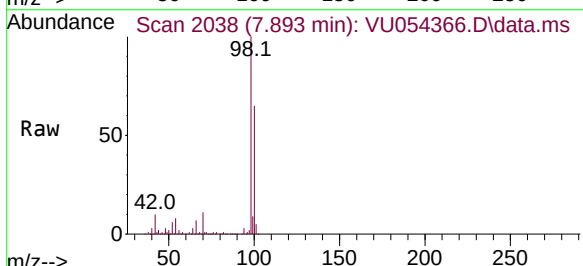
Acq: 01 Jun 2023 02:53

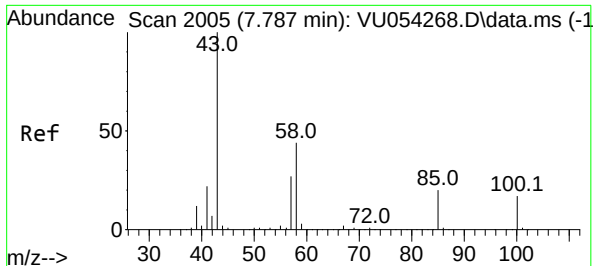
Tgt Ion: 98 Resp: 563956

Ion Ratio Lower Upper

98 100

100 65.4 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 1.597 ug/l

RT: 7.784 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU054366.D

Acq: 01 Jun 2023 02:53

Instrument :

MSVOA_U

ClientSampleId :

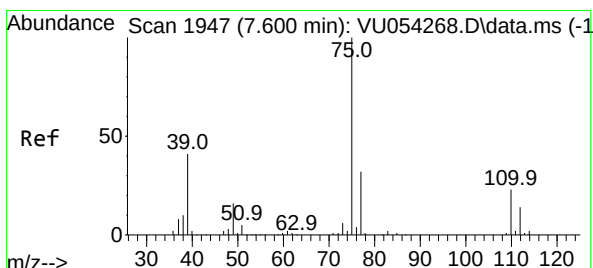
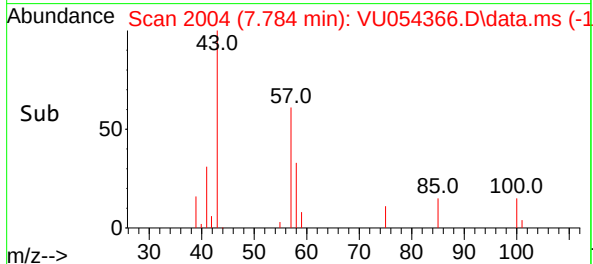
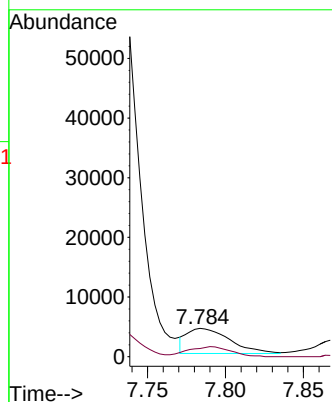
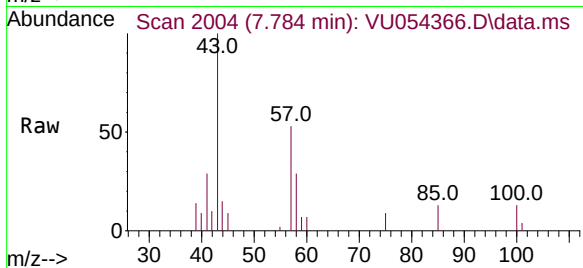
FOUNDATION-TEST-PIT

Tgt Ion: 43 Resp: 8124

Ion Ratio Lower Upper

43 100

58 39.3 34.7 52.1



#54

cis-1,3-Dichloropropene

Concen: 11.234 ug/l

RT: 7.732 min Scan# 1988

Delta R.T. 0.132 min

Lab File: VU054366.D

Acq: 01 Jun 2023 02:53

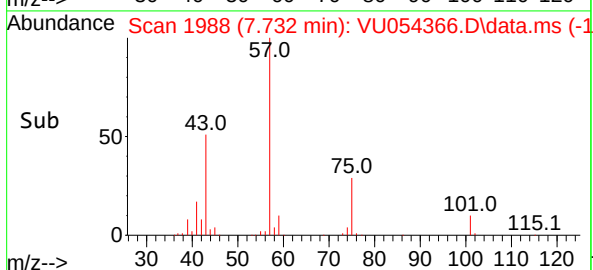
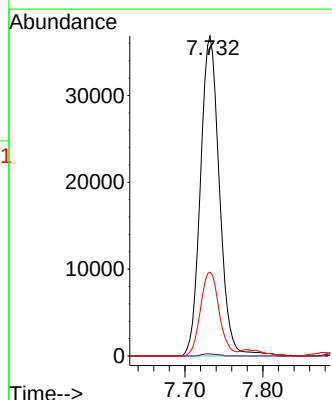
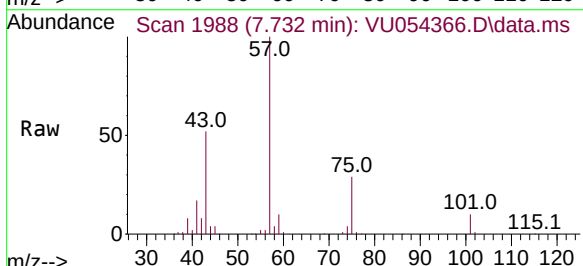
Tgt Ion: 75 Resp: 62301

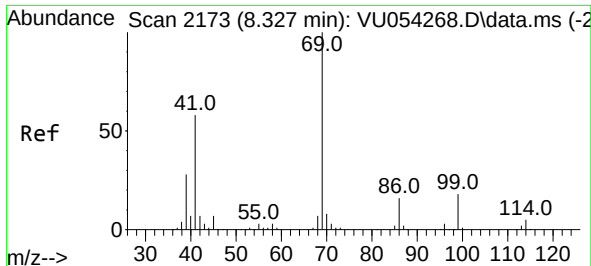
Ion Ratio Lower Upper

75 100

77 0.6 25.7 38.5#

39 26.2 33.0 49.6#

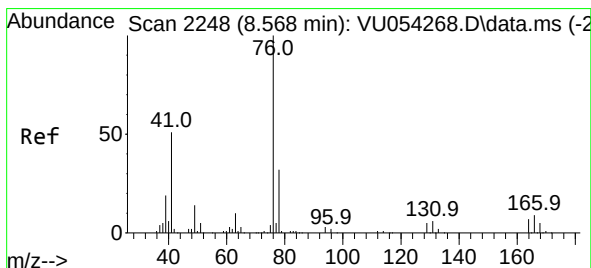
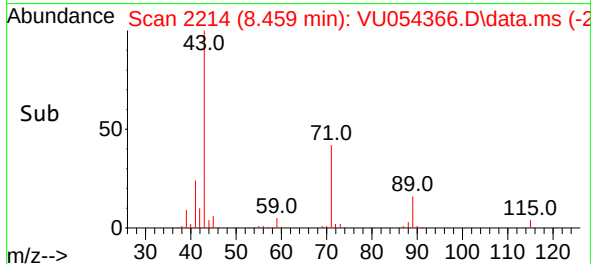
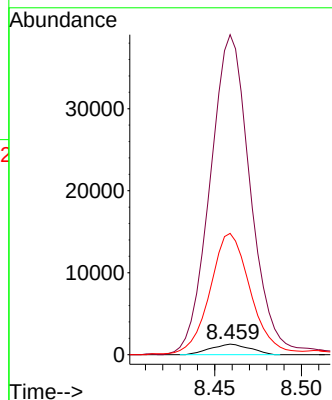
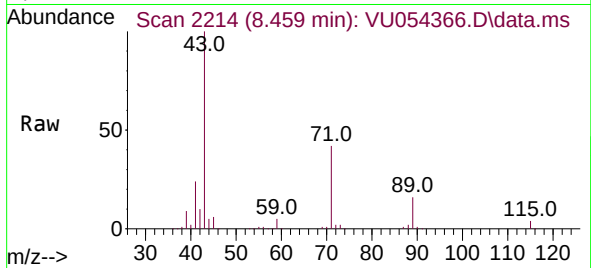




#56
Ethyl methacrylate
Concen: 0.401 ug/l
RT: 8.459 min Scan# 2173
Delta R.T. 0.132 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

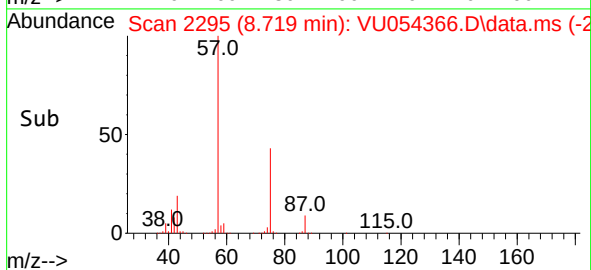
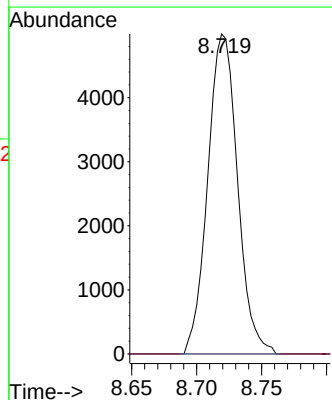
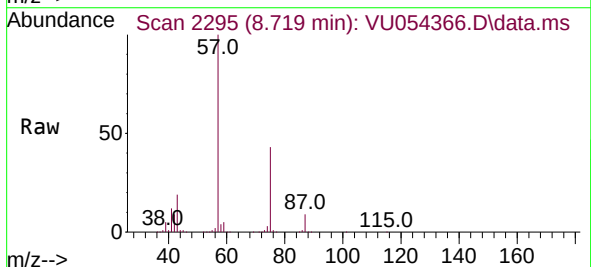
Instrument :
MSVOA_U
ClientSampleId :
FOUNDATION-TEST-PIT

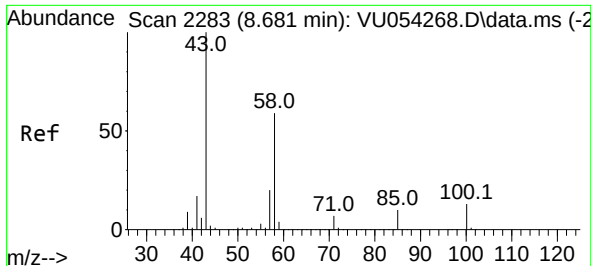
Tgt Ion: 69 Resp: 2040
Ion Ratio Lower Upper
69 100
41 3110.3 45.4 68.0#
39 1187.8 25.7 38.5#



#57
1,3-Dichloropropane
Concen: 1.355 ug/l
RT: 8.719 min Scan# 2295
Delta R.T. 0.151 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

Tgt Ion: 76 Resp: 7974
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 24.710 ug/l

RT: 8.719 min Scan# 21

Delta R.T. 0.038 min

Lab File: VU054366.D

Acq: 01 Jun 2023 02:53

Instrument :

MSVOA_U

ClientSampleId :

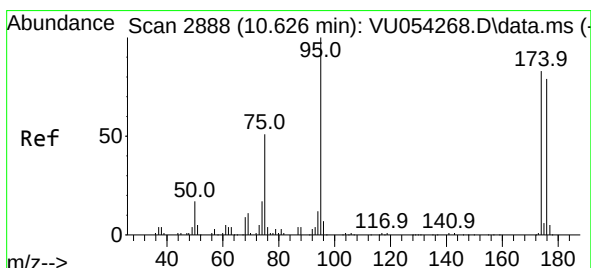
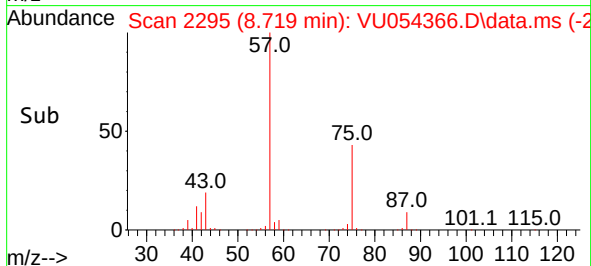
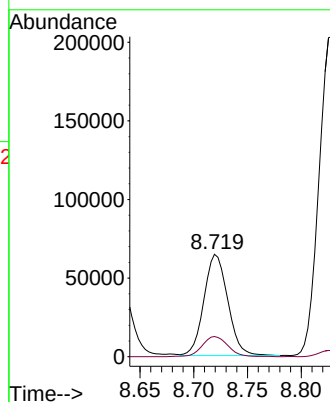
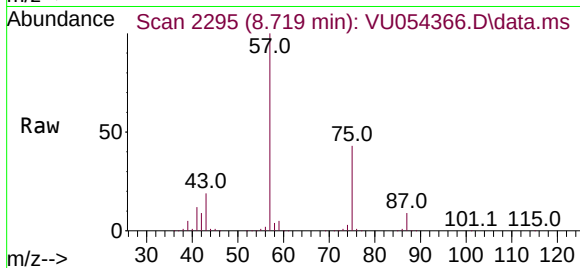
FOUNDATION-TEST-PIT

Tgt Ion: 43 Resp: 99295

Ion Ratio Lower Upper

43 100

58 21.6 30.3 90.8#



#62

4-Bromofluorobenzene

Concen: 44.882 ug/l

RT: 10.626 min Scan# 2888

Delta R.T. -0.000 min

Lab File: VU054366.D

Acq: 01 Jun 2023 02:53

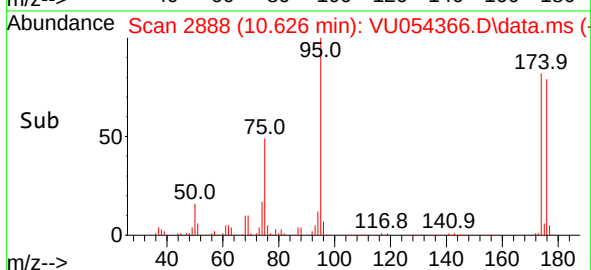
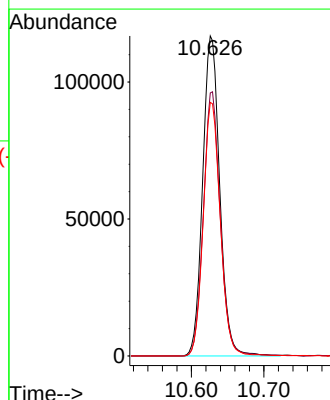
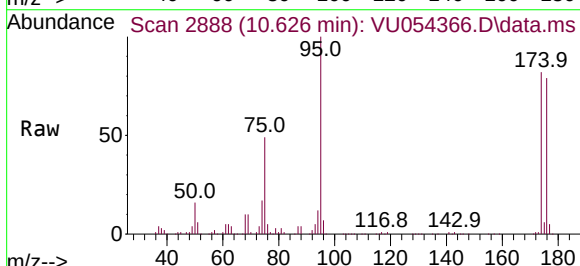
Tgt Ion: 95 Resp: 191100

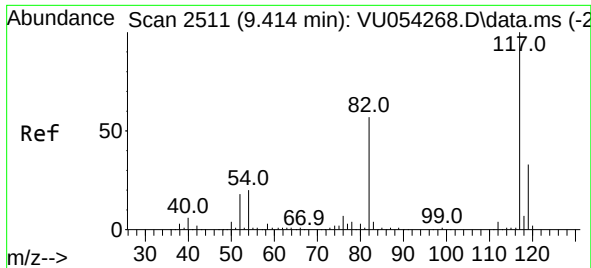
Ion Ratio Lower Upper

95 100

174 81.7 0.0 182.0

176 78.9 0.0 177.8

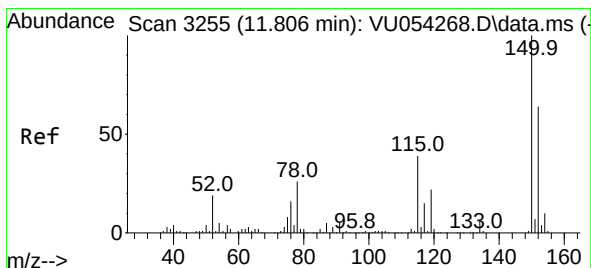
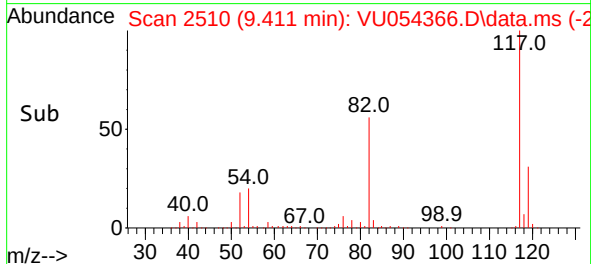
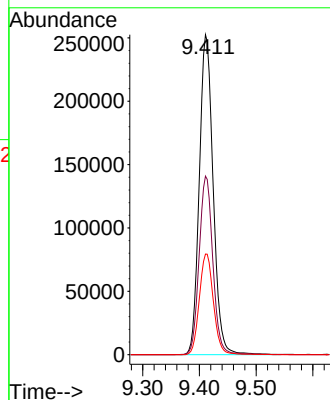
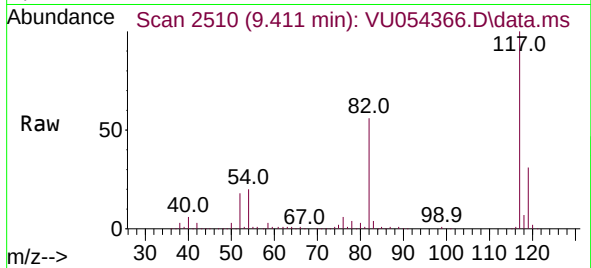




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 2511
Delta R.T. -0.003 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

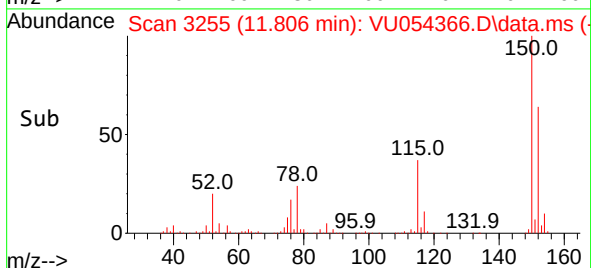
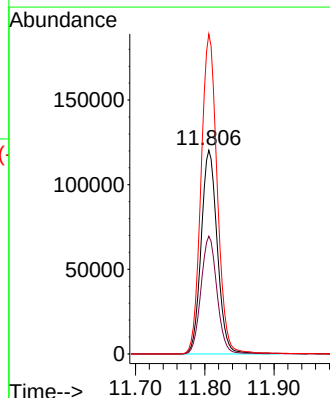
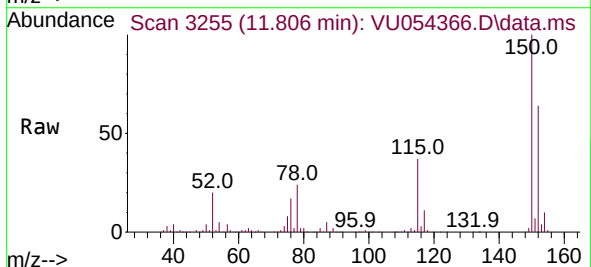
Instrument :
MSVOA_U
ClientSampleId :
FOUNDATION-TEST-PIT

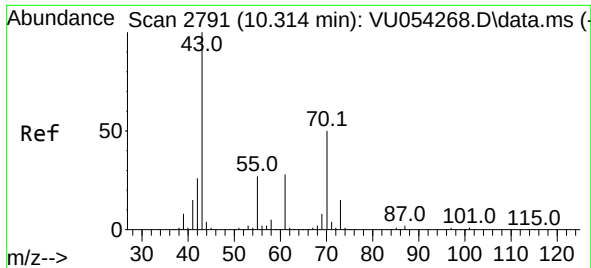
Tgt Ion:117 Resp: 429501
Ion Ratio Lower Upper
117 100
82 55.7 41.7 62.5
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

Tgt Ion:152 Resp: 194785
Ion Ratio Lower Upper
152 100
115 57.5 37.0 110.9
150 157.3 0.0 342.2

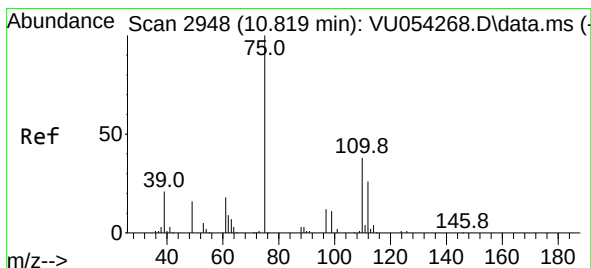
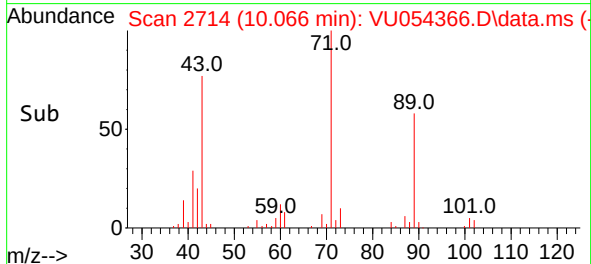
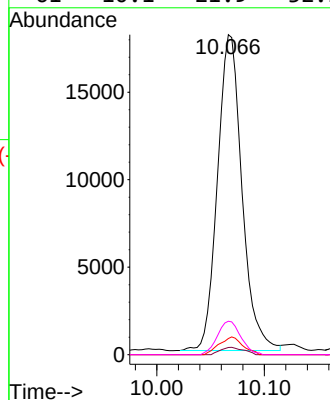
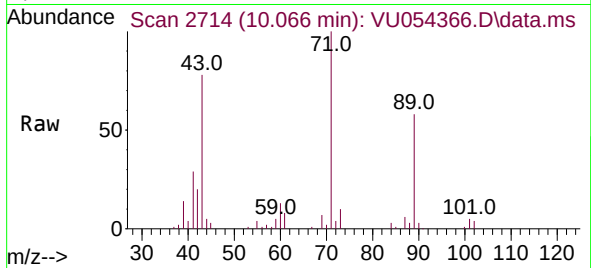




#74
N-amy1 acetate
Concen: 5.577 ug/l
RT: 10.066 min Scan# 21
Delta R.T. -0.248 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

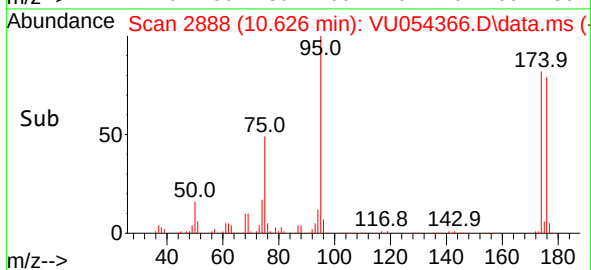
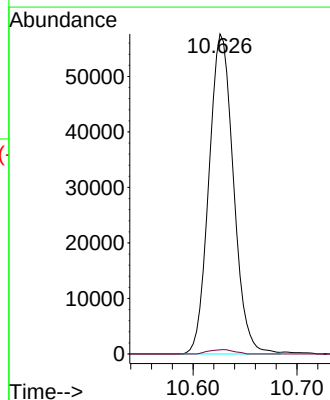
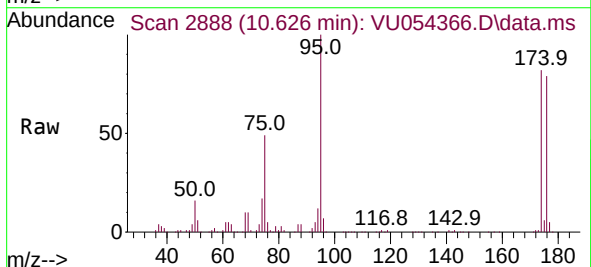
Instrument :
MSVOA_U
ClientSampleId :
FOUNDATION-TEST-PIT

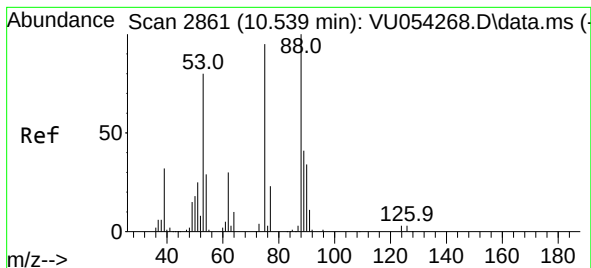
Tgt Ion:	43	Resp:	28564
Ion	Ratio	Lower	Upper
43	100		
70	2.2	38.7	58.1#
55	5.4	21.8	32.8#
61	10.1	21.9	32.9#



#76
1,2,3-Trichloropropane
Concen: 16.629 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.193 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

Tgt Ion:	75	Resp:	94534
Ion	Ratio	Lower	Upper
75	100		
77	1.4	15.8	47.3#

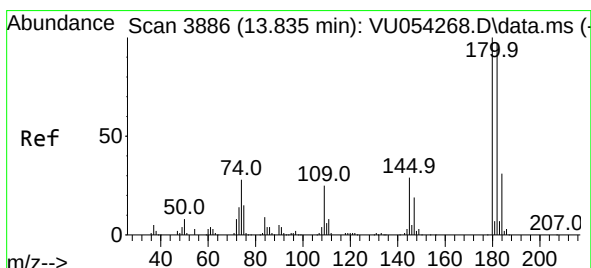
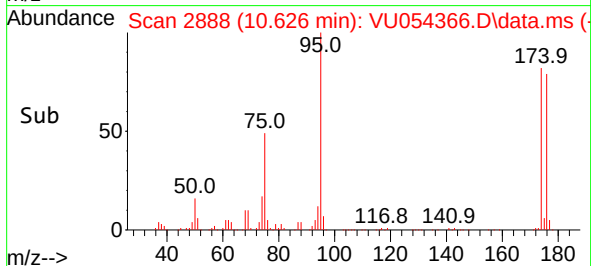
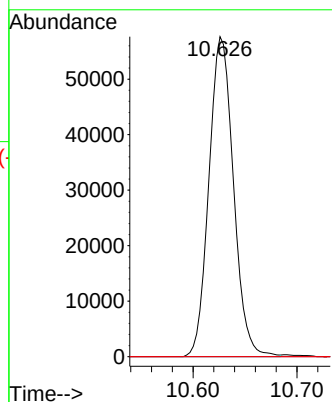
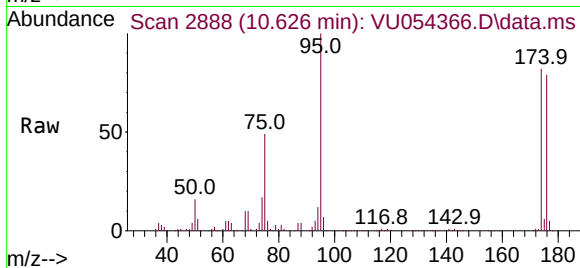




#81
trans-1,4-Dichloro-2-butene
Concen: 63.321 ug/l
RT: 10.626 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

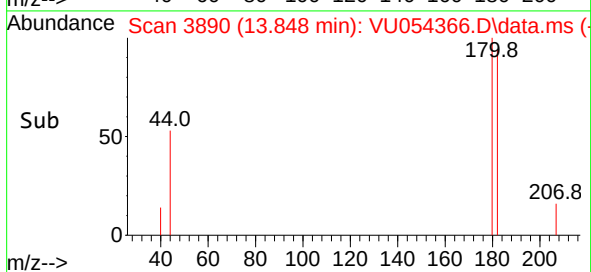
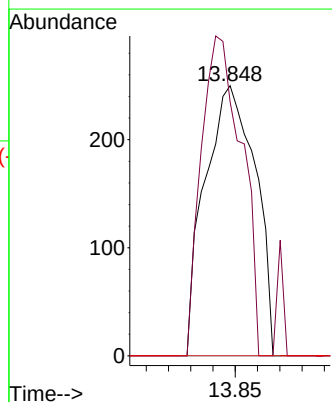
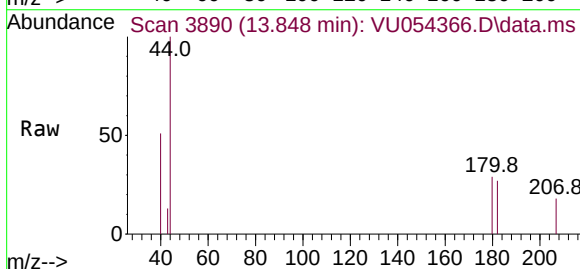
Instrument :
MSVOA_U
ClientSampleId :
FOUNDATION-TEST-PIT

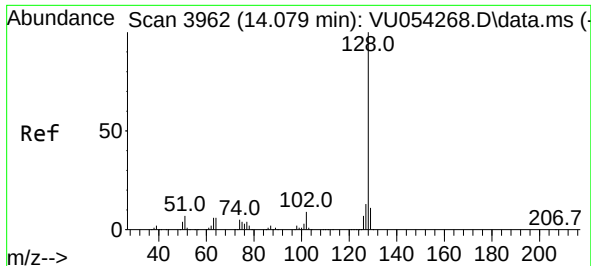
Tgt Ion: 75 Resp: 94534
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.728 ug/l
RT: 13.848 min Scan# 3890
Delta R.T. 0.013 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

Tgt Ion:180 Resp: 391
Ion Ratio Lower Upper
180 100
182 95.1 47.9 143.6
145 0.0 14.0 41.9#

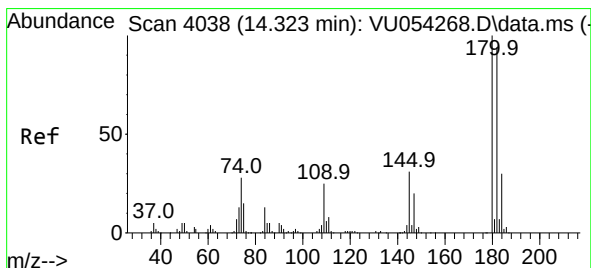
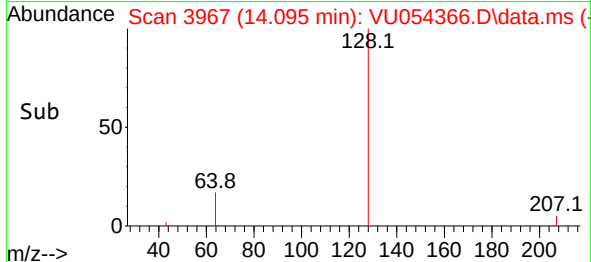
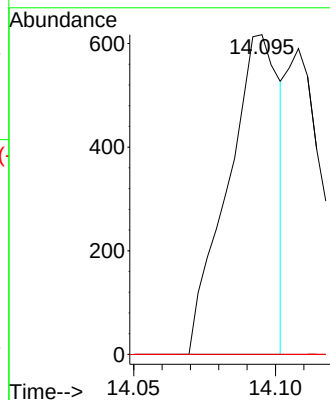
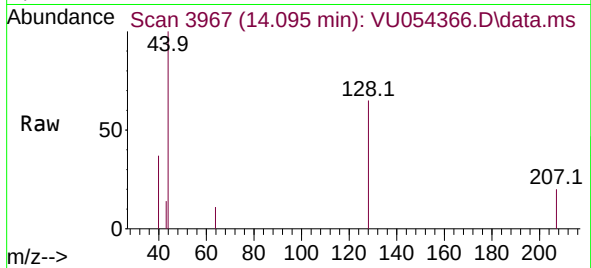




#95
Naphthalene
Concen: 2.043 ug/l
RT: 14.095 min Scan# 3967
Delta R.T. 0.016 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

Instrument :
MSVOA_U
ClientSampleId :
FOUNDATION-TEST-PIT

Tgt Ion:128 Resp: 780
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: 1.337 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.010 min
Lab File: VU054366.D
Acq: 01 Jun 2023 02:53

Tgt Ion:180 Resp: 373
Ion Ratio Lower Upper
180 100
182 65.7 48.4 145.0
145 12.9 14.8 44.4#

