

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054368.D
 Acq On : 01 Jun 2023 03:40
 Operator : JC/MD
 Sample : 02981-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-3

Quant Time: Jun 01 06:43:14 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)

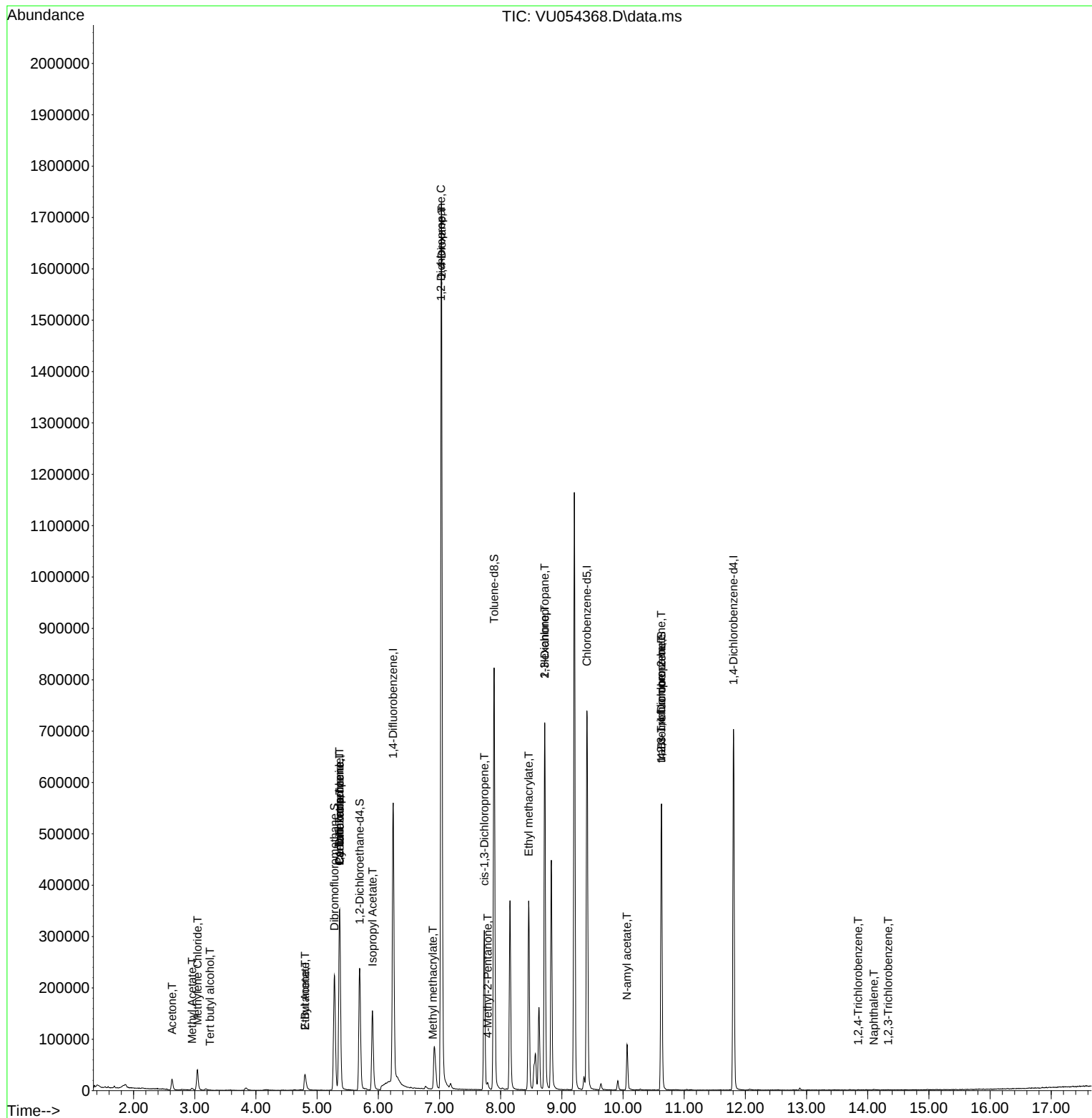
Internal Standards						
1) Pentafluorobenzene	5.369	168	258669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	446494	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	423303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	191836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	177077	52.221	ug/l	0.00
Spiked Amount 50.000	Range 78	- 117	Recovery	=	104.440%	
35) Dibromofluoromethane	5.282	113	148184	51.537	ug/l	0.00
Spiked Amount 50.000	Range 75	- 124	Recovery	=	103.080%	
50) Toluene-d8	7.893	98	555758	50.815	ug/l	0.00
Spiked Amount 50.000	Range 92	- 112	Recovery	=	101.640%	
62) 4-Bromofluorobenzene	10.629	95	187265	44.159	ug/l	0.00
Spiked Amount 50.000	Range 83	- 123	Recovery	=	88.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.250	59	237	0.259	ug/l #	37
16) Acetone	2.629	43	27350	14.071	ug/l	99
18) Methyl Acetate	2.954	43	5450	0.768	ug/l #	70
20) Methylene Chloride	3.044	84	19964	5.693	ug/l	95
25) 2-Butanone	4.803	43	43498	16.903	ug/l #	45
31) Cyclohexane	5.369	56	4696	0.981	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	20687	4.581	ug/l #	45
37) Ethyl Acetate	4.803	43	43498	7.903	ug/l #	92
38) Carbon Tetrachloride	5.366	117	23979	5.187	ug/l #	16
43) Isopropyl Acetate	5.906	43	164838	21.712	ug/l	98
45) 1,2-Dichloropropane	7.025	63	2148	0.639	ug/l #	43
48) Methyl methacrylate	6.893	41	5555	1.650	ug/l #	8
49) 1,4-Dioxane	7.038	88	180	1.852	ug/l #	1
51) 4-Methyl-2-Pentanone	7.787	43	8129	1.605	ug/l	95
54) cis-1,3-Dichloropropene	7.732	75	59066	10.694	ug/l #	62
56) Ethyl methacrylate	8.459	69	2036	0.402	ug/l #	1
57) 1,3-Dichloropropane	8.719	76	7444	1.270	ug/l #	42
59) 2-Hexanone	8.719	43	92920	23.217	ug/l #	49
74) N-amyl acetate	10.066	43	27454	5.442	ug/l #	48
76) 1,2,3-Trichloropropane	10.626	75	91520	16.346	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.626	75	91520	62.245	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.841	180	231	1.694	ug/l #	75
95) Naphthalene	14.102	128	1580	2.098	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.333	180	309	1.324	ug/l #	84

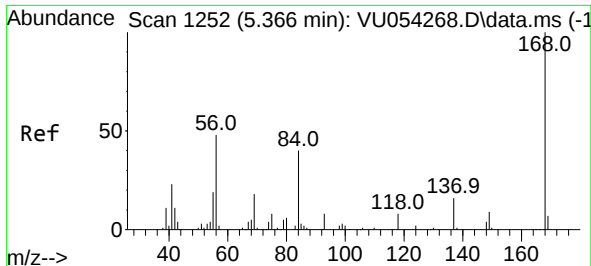
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 26 06:40:51 2023
Response via : Initial Calibration

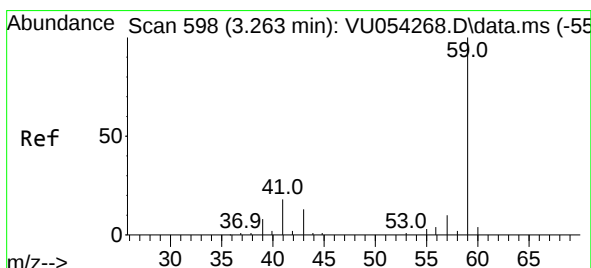
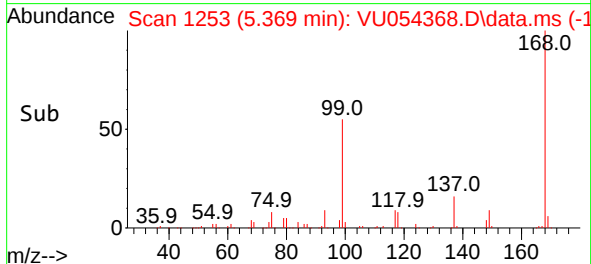
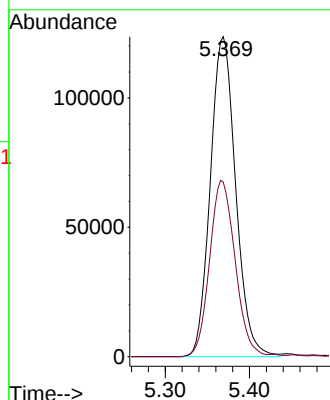
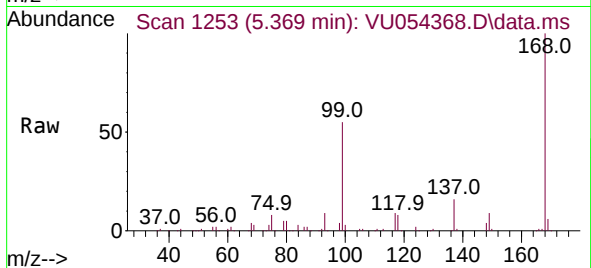




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

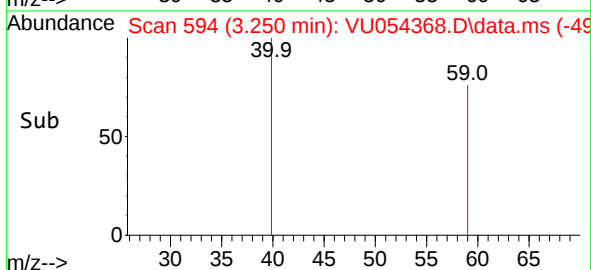
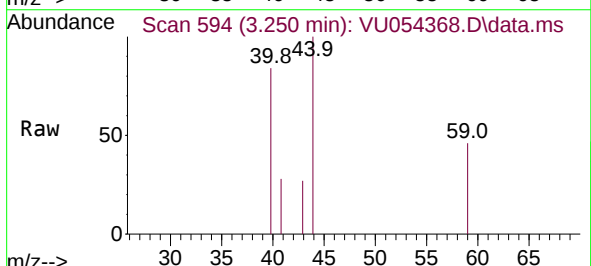
Instrument :
MSVOA_U
ClientSampleId :
TP-3

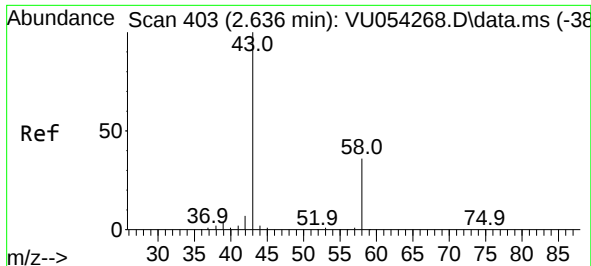
Tgt Ion:168 Resp: 258669
Ion Ratio Lower Upper
168 100
99 54.5 39.3 58.9



#11
Tert butyl alcohol
Concen: 0.259 ug/l
RT: 3.250 min Scan# 594
Delta R.T. 0.007 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

Tgt Ion: 59 Resp: 237
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#





#16

Acetone

Concen: 14.071 ug/l

RT: 2.629 min Scan# 401

Delta R.T. -0.007 min

Lab File: VU054368.D

Acq: 01 Jun 2023 03:40

Instrument :

MSVOA_U

ClientSampleId :

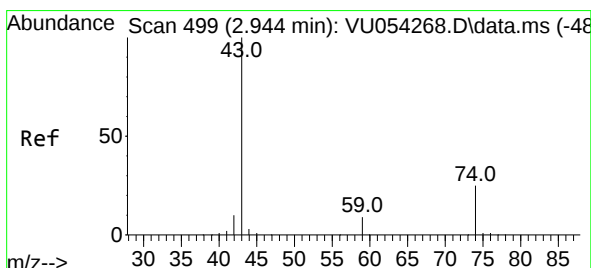
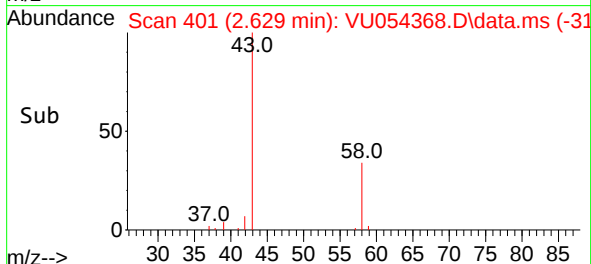
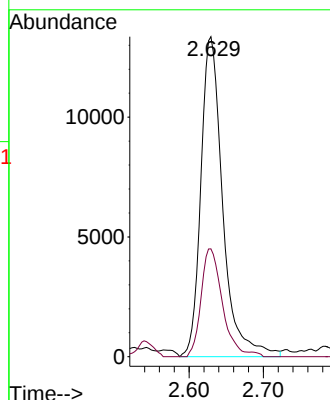
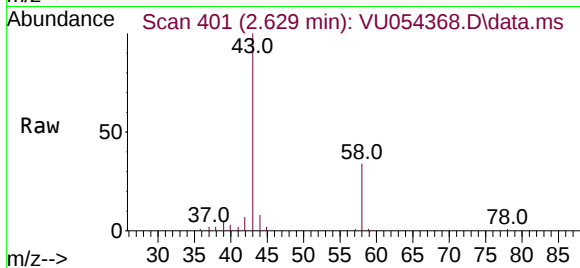
TP-3

Tgt Ion: 43 Resp: 27350

Ion Ratio Lower Upper

43 100

58 33.7 27.5 41.3



#18

Methyl Acetate

Concen: 0.768 ug/l

RT: 2.954 min Scan# 502

Delta R.T. 0.010 min

Lab File: VU054368.D

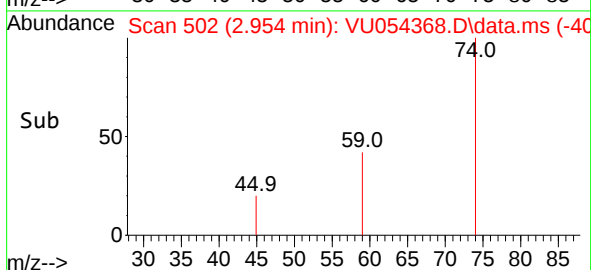
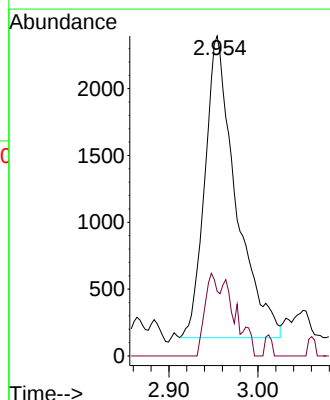
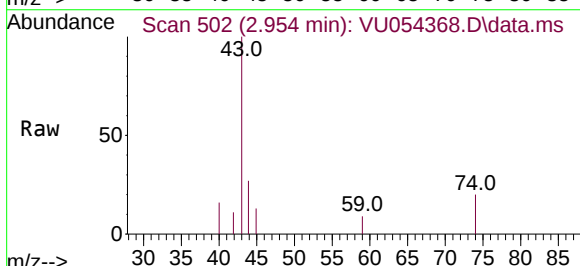
Acq: 01 Jun 2023 03:40

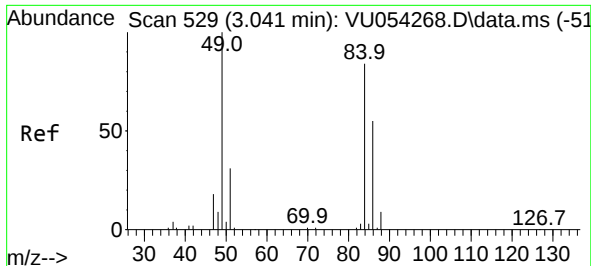
Tgt Ion: 43 Resp: 5450

Ion Ratio Lower Upper

43 100

74 12.3 22.5 33.7#

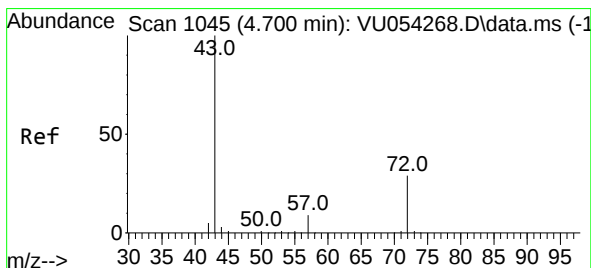
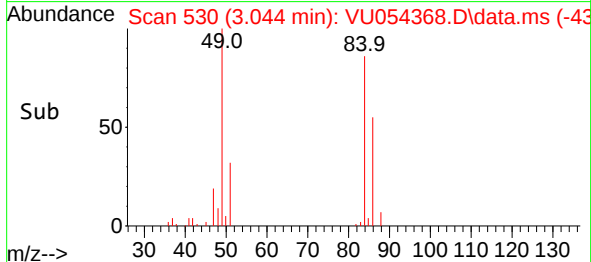
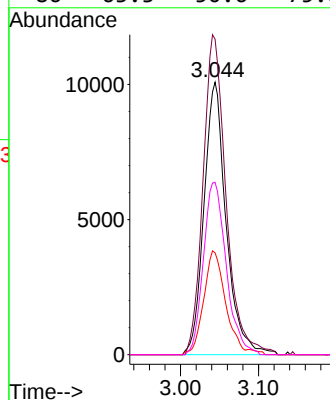
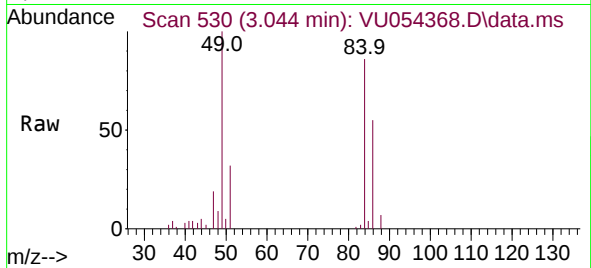




#20
Methylene Chloride
Concen: 5.693 ug/l
RT: 3.044 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

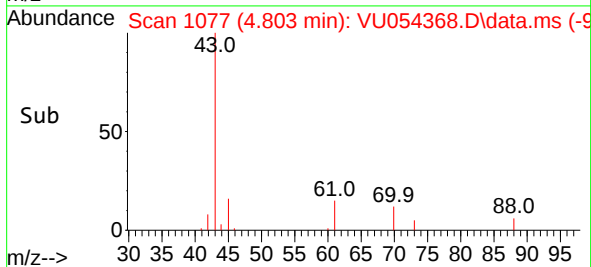
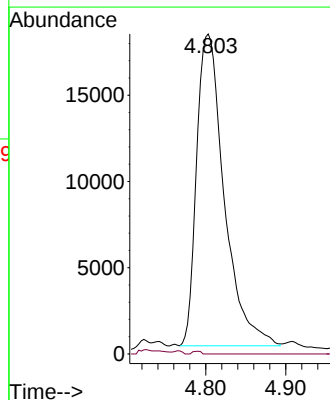
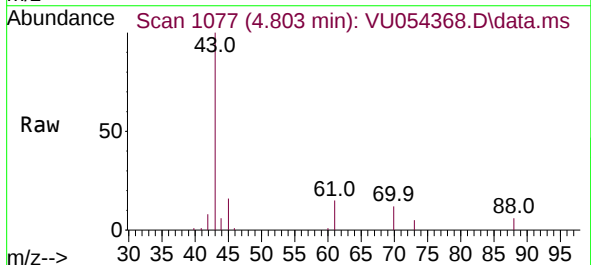
Instrument :
MSVOA_U
ClientSampleId :
TP-3

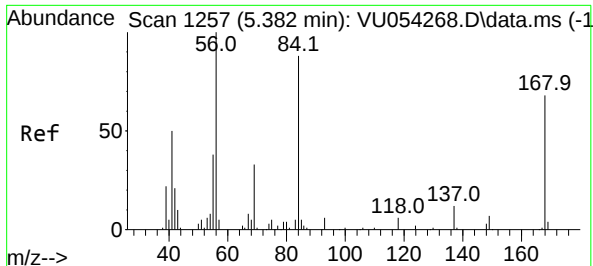
Tgt Ion: 84	Resp: 19964
Ion Ratio	Lower Upper
84 100	
49 115.8	86.6 129.8
51 37.4	26.6 40.0
86 63.3	50.6 75.8



#25
2-Butanone
Concen: 16.903 ug/l
RT: 4.803 min Scan# 1077
Delta R.T. 0.103 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

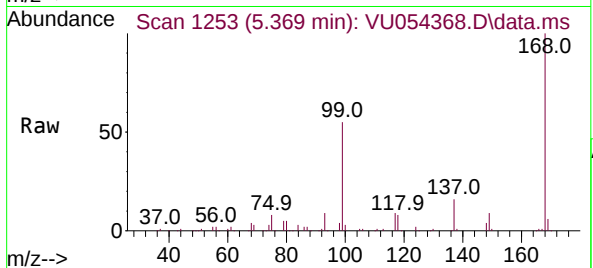
Tgt Ion: 43	Resp: 43498
Ion Ratio	Lower Upper
43 100	
72 0.0	23.8 35.6#



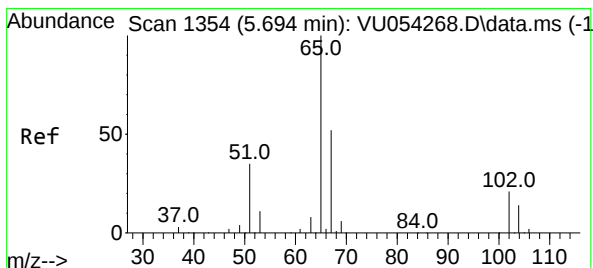
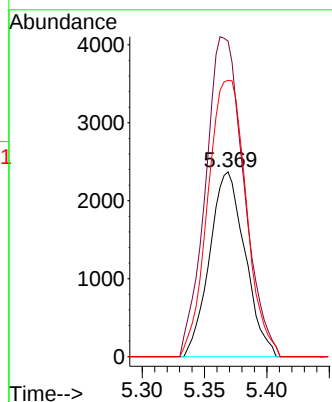
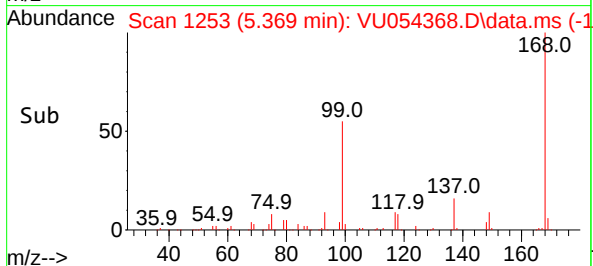


#31
Cyclohexane
Concen: 0.981 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.013 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

Instrument :
MSVOA_U
ClientSampleId :
TP-3

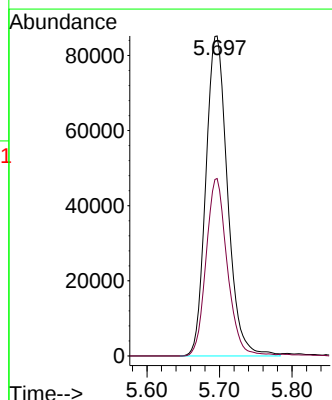
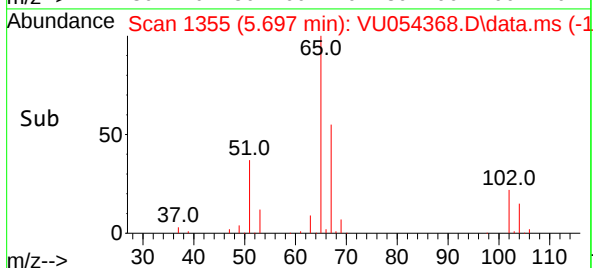
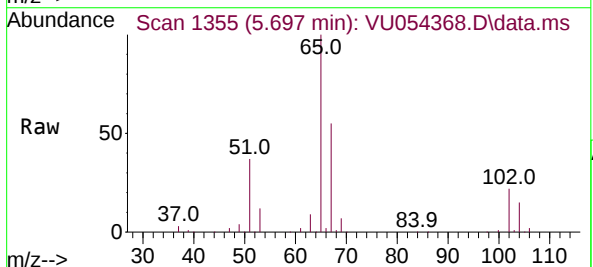


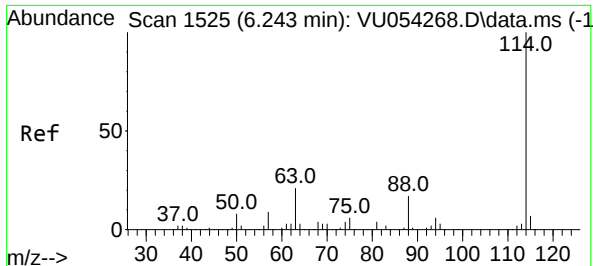
Tgt Ion: 56 Resp: 4696
Ion Ratio Lower Upper
56 100
69 170.7 27.8 41.8#
84 149.4 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 52.221 ug/l
RT: 5.697 min Scan# 1355
Delta R.T. 0.003 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

Tgt Ion: 65 Resp: 177077
Ion Ratio Lower Upper
65 100
67 54.1 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: VU054368.D

Acq: 01 Jun 2023 03:40

Instrument :

MSVOA_U

ClientSampleId :

TP-3

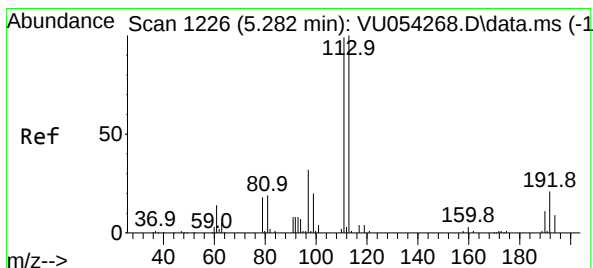
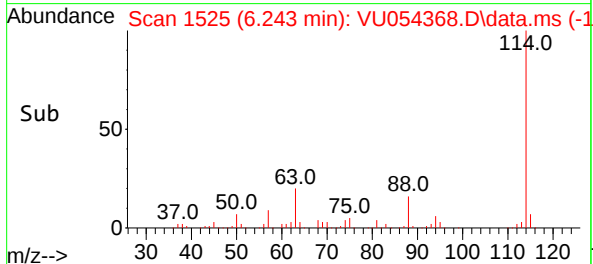
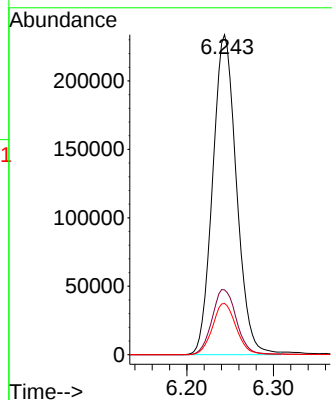
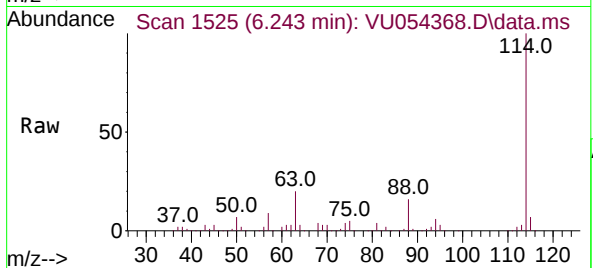
Tgt Ion:114 Resp: 446494

Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.8

88 16.0 0.0 29.2



#35

Dibromofluoromethane

Concen: 51.537 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VU054368.D

Acq: 01 Jun 2023 03:40

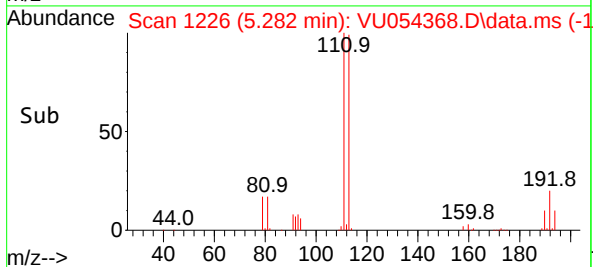
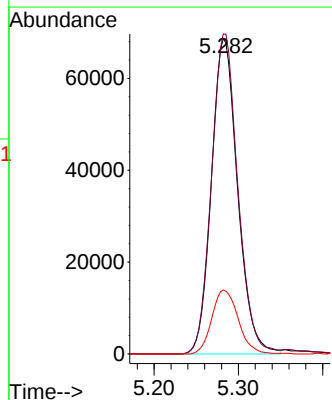
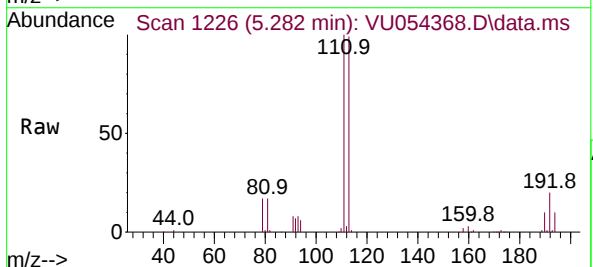
Tgt Ion:113 Resp: 148184

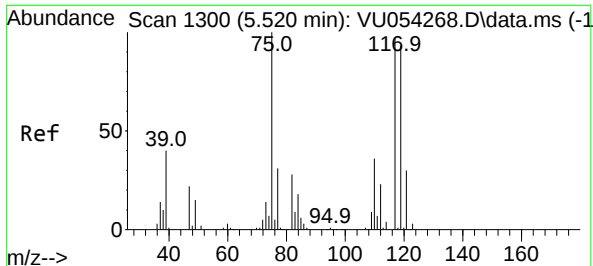
Ion Ratio Lower Upper

113 100

111 102.1 82.1 123.1

192 20.4 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.581 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU054368.D

Acq: 01 Jun 2023 03:40

Instrument :

MSVOA_U

ClientSampleId :

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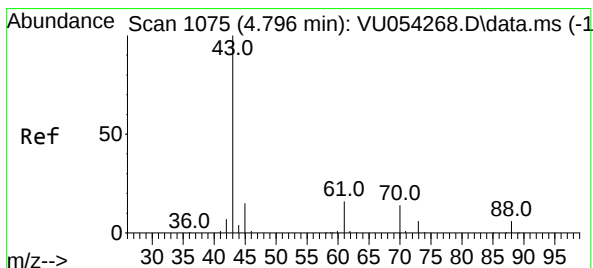
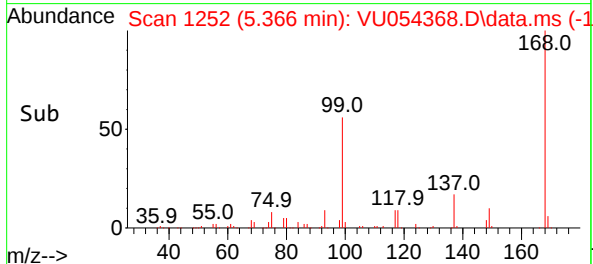
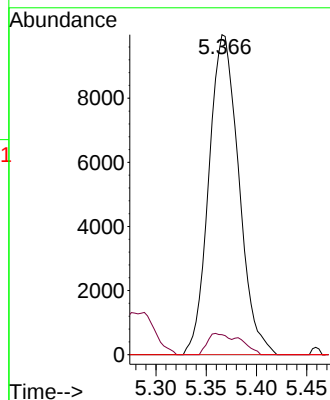
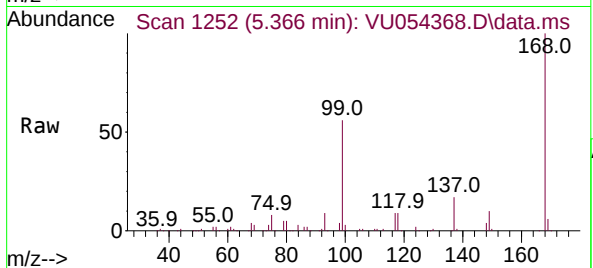
Tgt Ion: 75 Resp: 20687

Ion Ratio Lower Upper

75 100

110 4.8 18.4 55.2#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 7.903 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.007 min

Lab File: VU054368.D

Acq: 01 Jun 2023 03:40

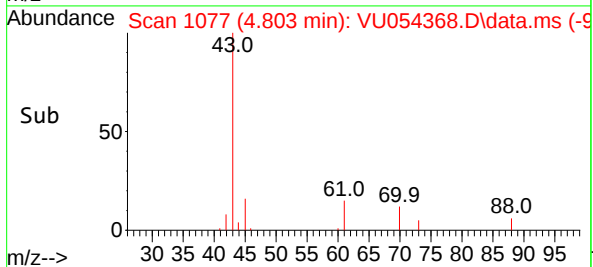
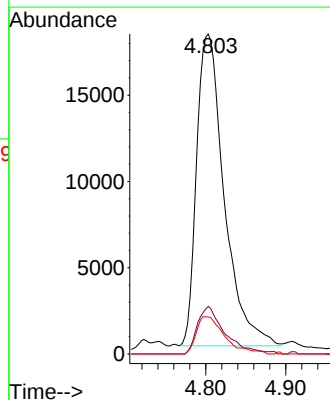
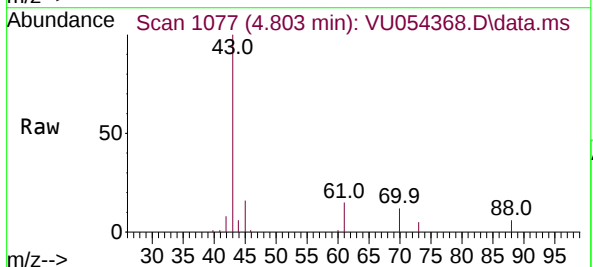
Tgt Ion: 43 Resp: 43498

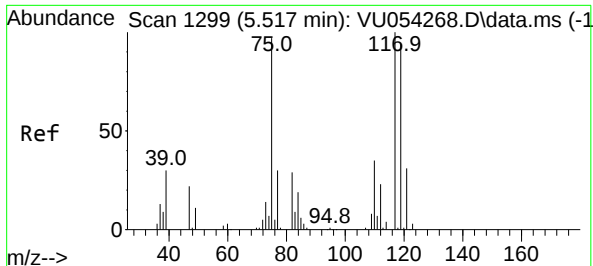
Ion Ratio Lower Upper

43 100

61 15.2 9.5 14.3#

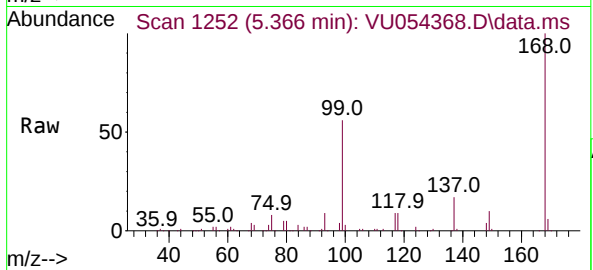
70 12.2 7.5 11.3#



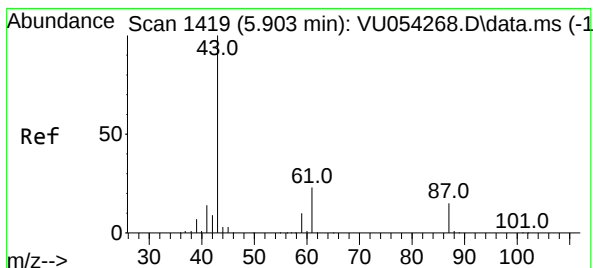
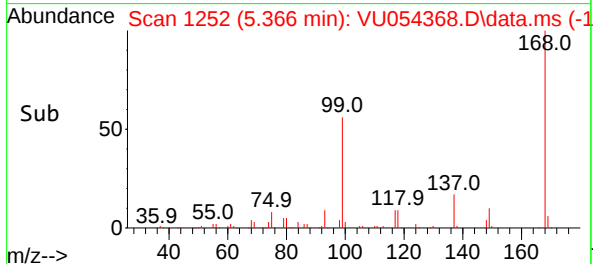
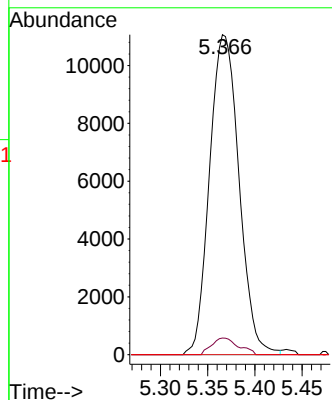


#38
Carbon Tetrachloride
Concen: 5.187 ug/l
RT: 5.366 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

Instrument :
MSVOA_U
ClientSampleId :
TP-3

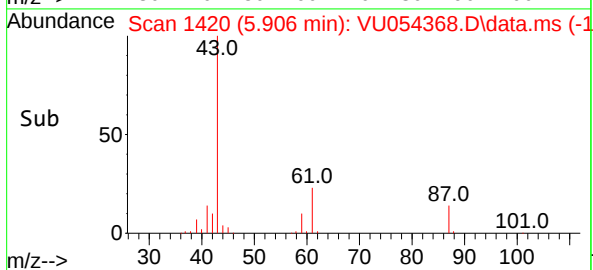
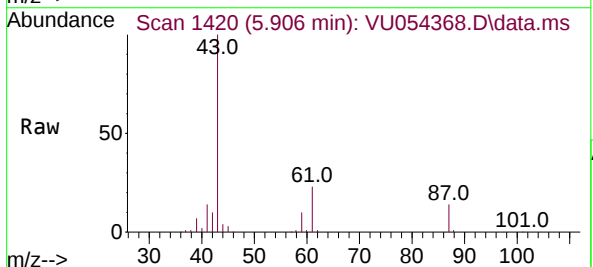
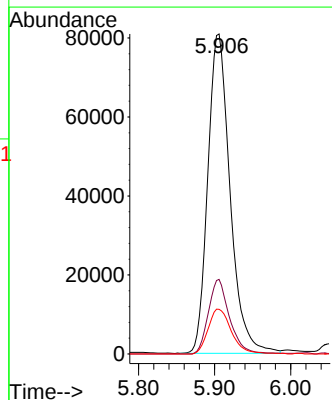


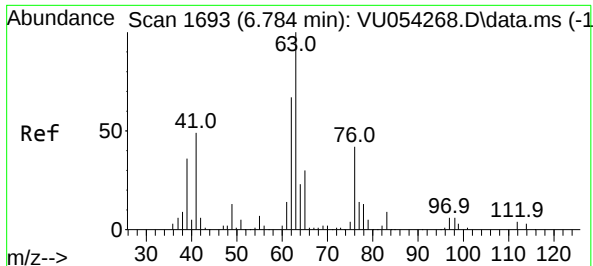
Tgt Ion:117 Resp: 23979
Ion Ratio Lower Upper
117 100
119 5.2 76.8 115.2#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 21.712 ug/l
RT: 5.906 min Scan# 1420
Delta R.T. 0.003 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

Tgt Ion: 43 Resp: 164838
Ion Ratio Lower Upper
43 100
61 22.2 17.4 26.0
87 14.7 12.6 18.8





#45

1,2-Dichloropropane

Concen: 0.639 ug/l

RT: 7.025 min Scan# 1

Delta R.T. 0.241 min

Lab File: VU054368.D

Acq: 01 Jun 2023 03:40

Instrument :

MSVOA_U

ClientSampleId :

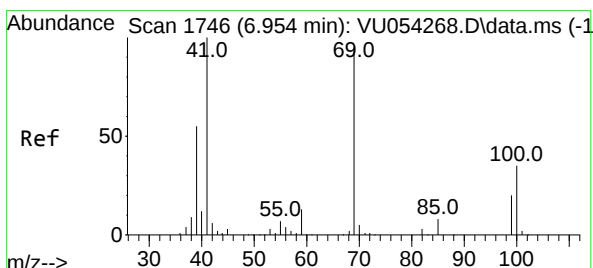
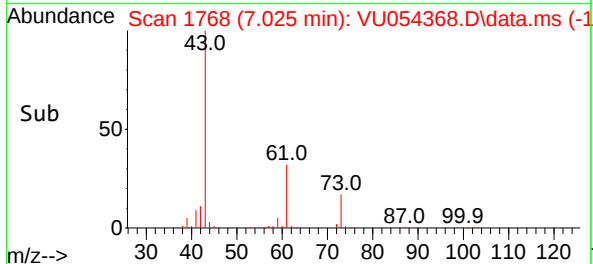
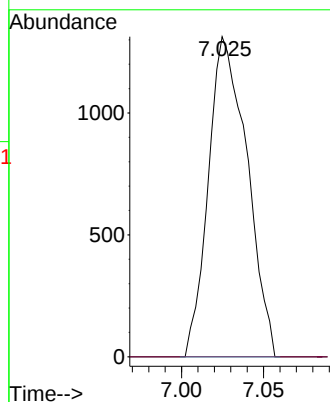
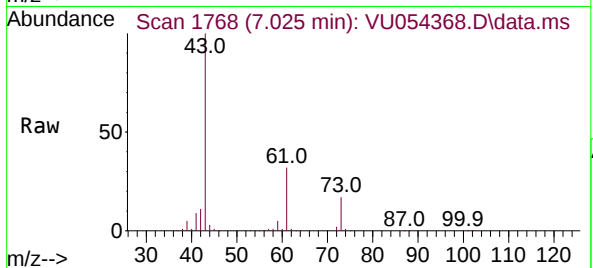
TP-3

Tgt Ion: 63 Resp: 2148

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



#48

Methyl methacrylate

Concen: 1.650 ug/l

RT: 6.893 min Scan# 1727

Delta R.T. -0.061 min

Lab File: VU054368.D

Acq: 01 Jun 2023 03:40

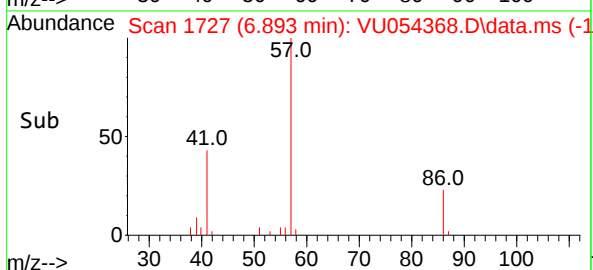
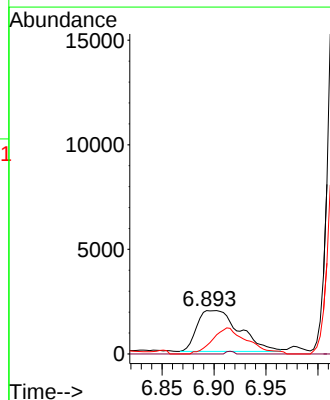
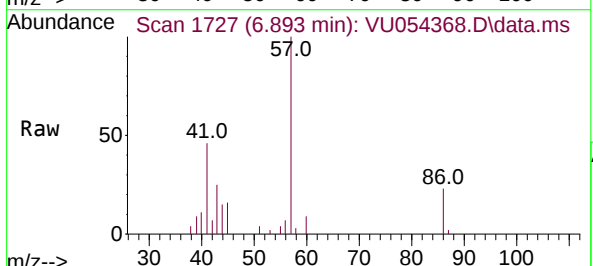
Tgt Ion: 41 Resp: 5555

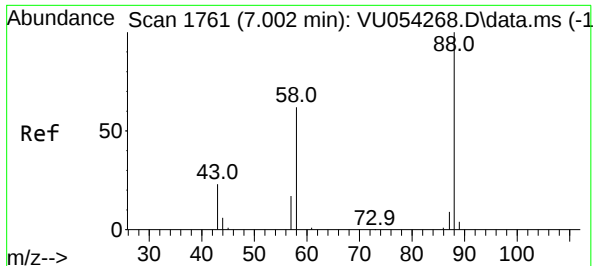
Ion Ratio Lower Upper

41 100

69 0.0 79.8 119.6#

39 0.0 47.9 71.9#





#49

1,4-Dioxane

Concen: 1.852 ug/l

RT: 7.038 min Scan# 11

Delta R.T. 0.036 min

Lab File: VU054368.D

Acq: 01 Jun 2023 03:40

Instrument :

MSVOA_U

ClientSampleId :

TP-3

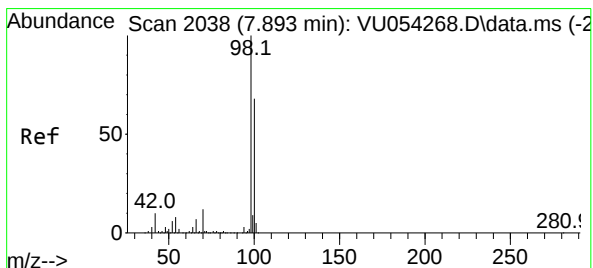
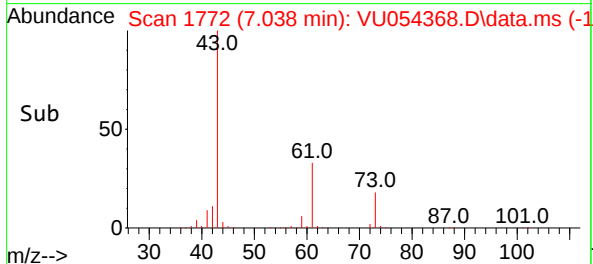
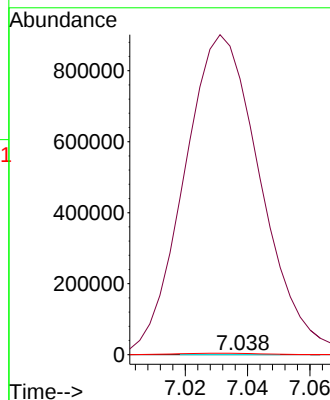
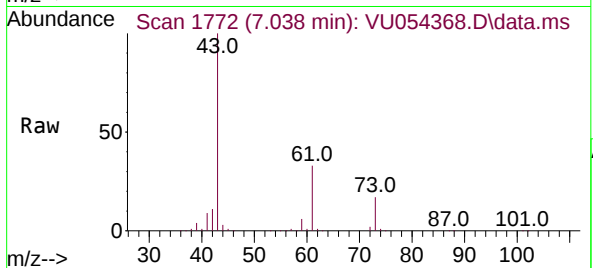
Tgt Ion: 88 Resp: 180

Ion Ratio Lower Upper

88 100

43 874438.3 0.0 0.0#

58 4462.2 15.4 23.0#



#50

Toluene-d8

Concen: 50.815 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054368.D

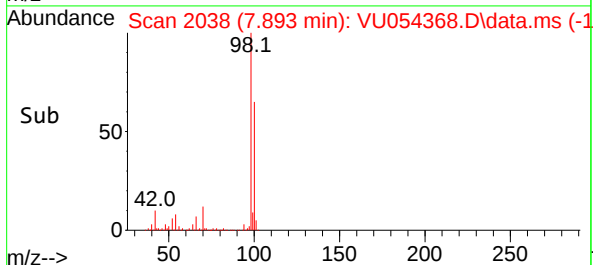
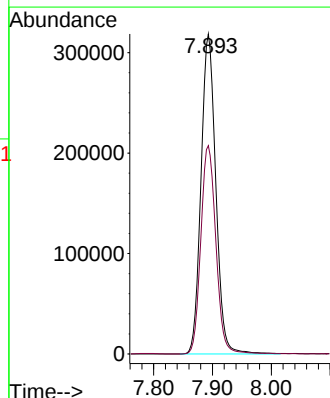
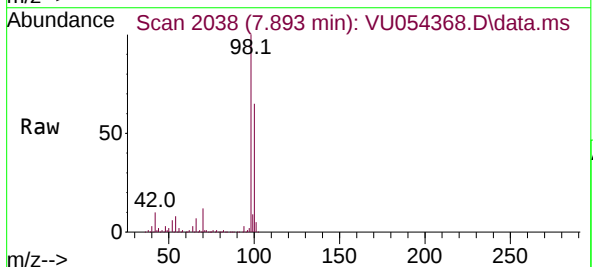
Acq: 01 Jun 2023 03:40

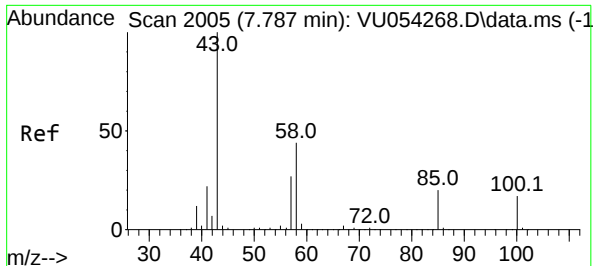
Tgt Ion: 98 Resp: 555758

Ion Ratio Lower Upper

98 100

100 66.3 51.7 77.5

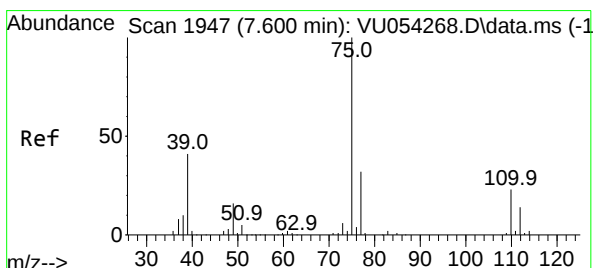
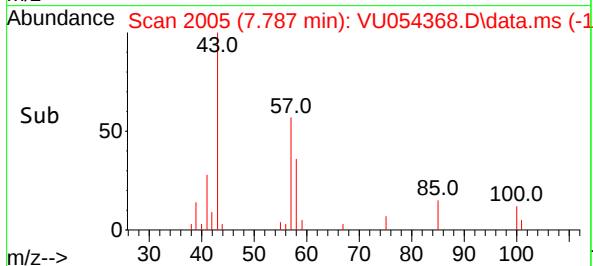
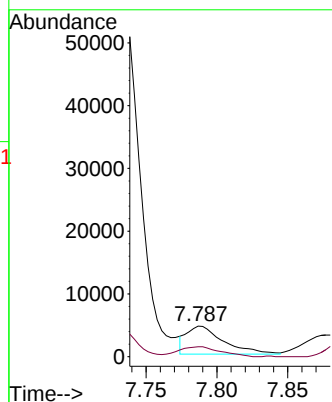
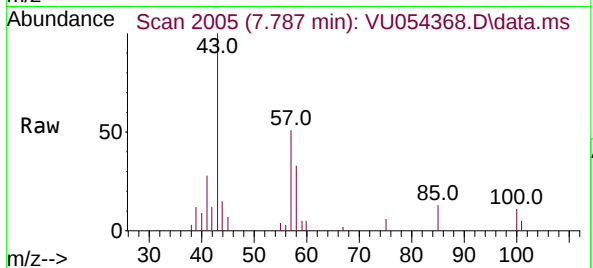




#51
4-Methyl-2-Pentanone
Concen: 1.605 ug/l
RT: 7.787 min Scan# 2005
Delta R.T. -0.000 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

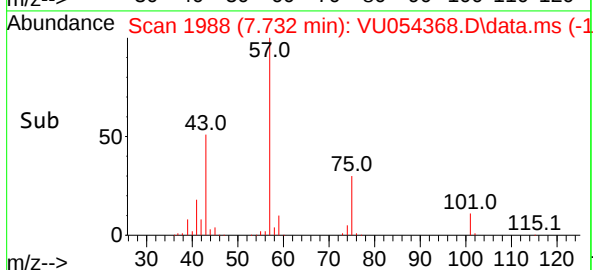
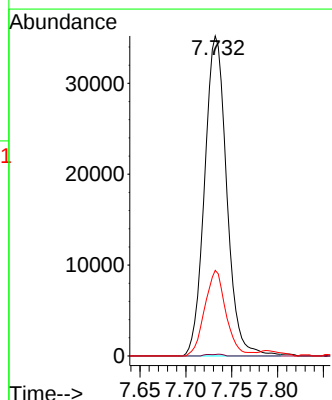
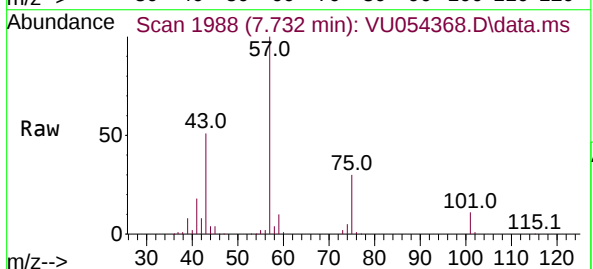
Instrument :
MSVOA_U
ClientSampleId :
TP-3

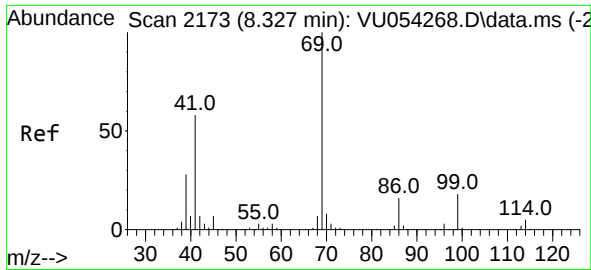
Tgt Ion: 43 Resp: 8129
Ion Ratio Lower Upper
43 100
58 40.3 34.7 52.1



#54
cis-1,3-Dichloropropene
Concen: 10.694 ug/l
RT: 7.732 min Scan# 1988
Delta R.T. 0.132 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

Tgt Ion: 75 Resp: 59066
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 26.7 33.0 49.6#

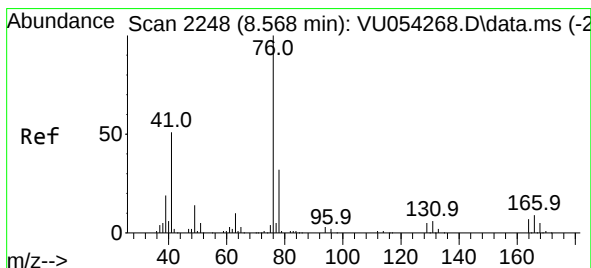
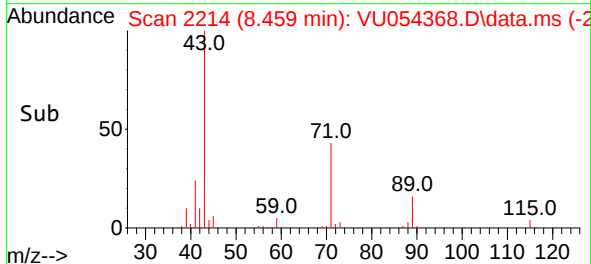
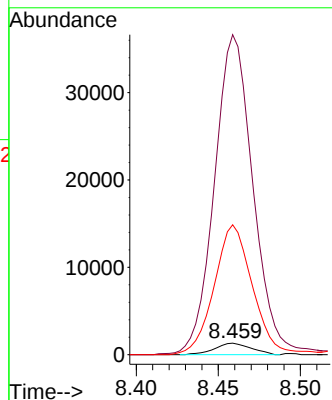
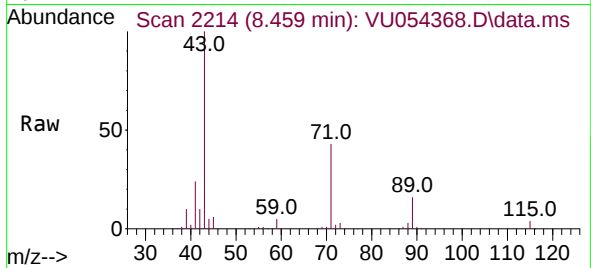




#56
Ethyl methacrylate
Concen: 0.402 ug/l
RT: 8.459 min Scan# 2173
Delta R.T. 0.132 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

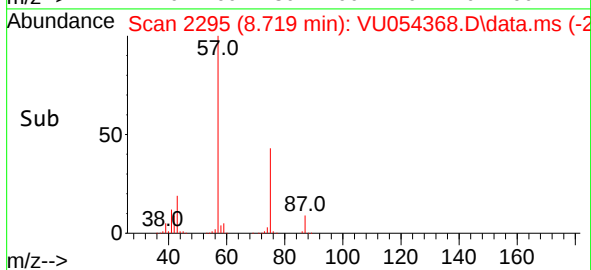
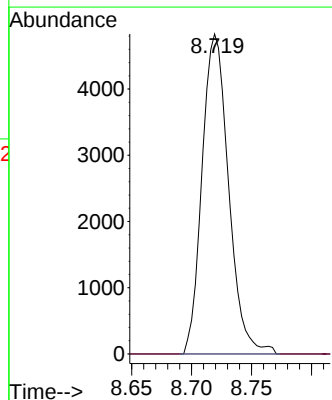
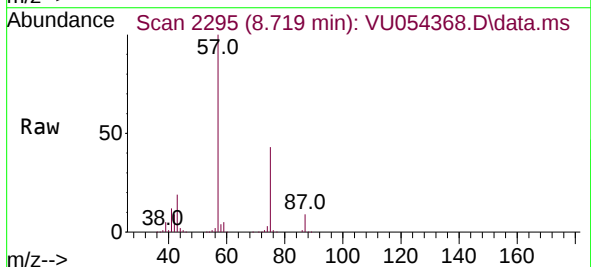
Instrument :
MSVOA_U
ClientSampleId :
TP-3

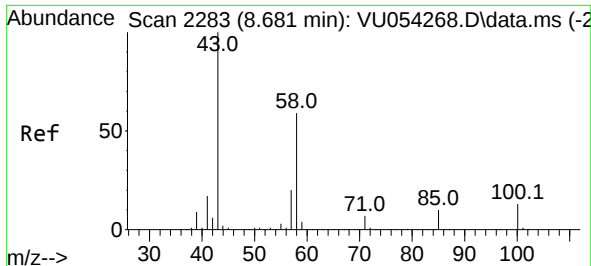
Tgt Ion: 69 Resp: 2036
Ion Ratio Lower Upper
69 100
41 2959.7 45.4 68.0#
39 1190.5 25.7 38.5#



#57
1,3-Dichloropropane
Concen: 1.270 ug/l
RT: 8.719 min Scan# 2295
Delta R.T. 0.151 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

Tgt Ion: 76 Resp: 7444
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 23.217 ug/l

RT: 8.719 min Scan# 21

Delta R.T. 0.038 min

Lab File: VU054368.D

Acq: 01 Jun 2023 03:40

Instrument :

MSVOA_U

ClientSampleId :

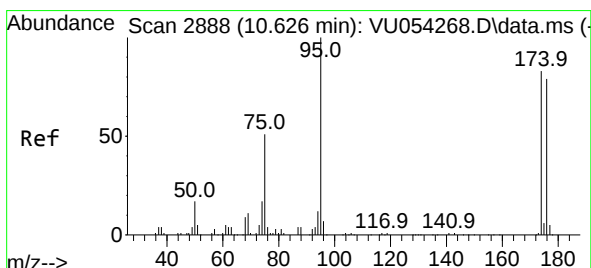
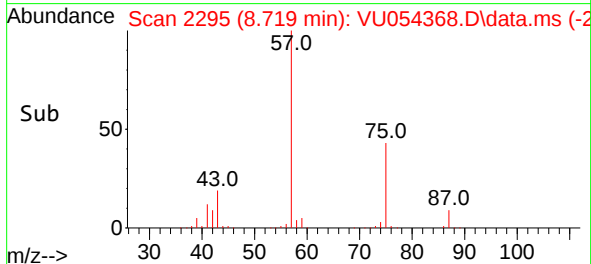
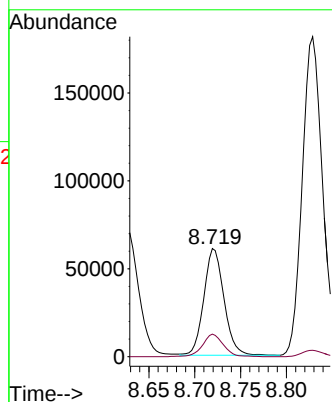
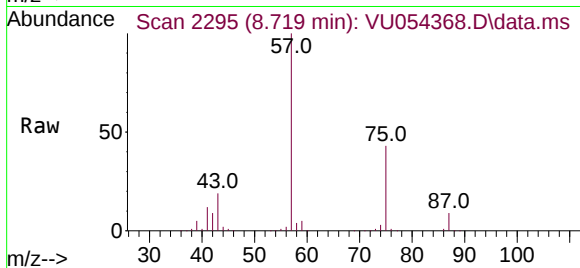
TP-3

Tgt Ion: 43 Resp: 92920

Ion Ratio Lower Upper

43 100

58 21.9 30.3 90.8#



#62

4-Bromofluorobenzene

Concen: 44.159 ug/l

RT: 10.629 min Scan# 2889

Delta R.T. 0.003 min

Lab File: VU054368.D

Acq: 01 Jun 2023 03:40

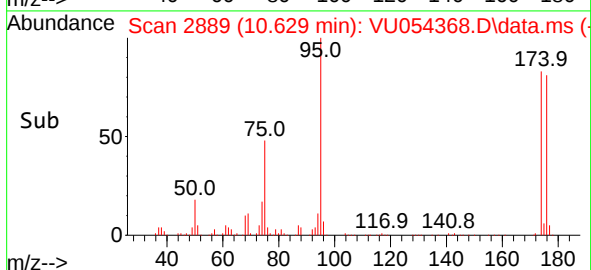
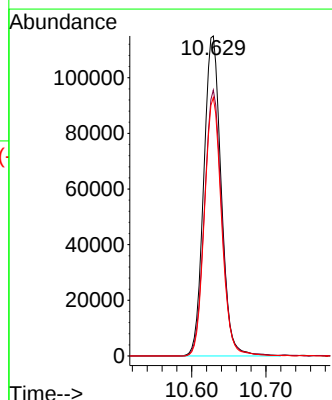
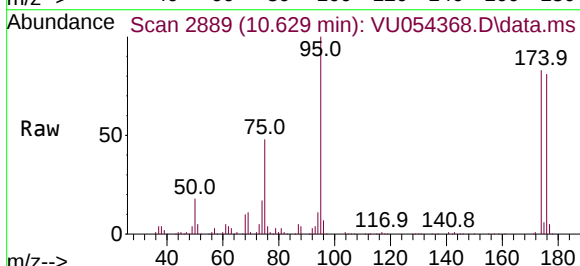
Tgt Ion: 95 Resp: 187265

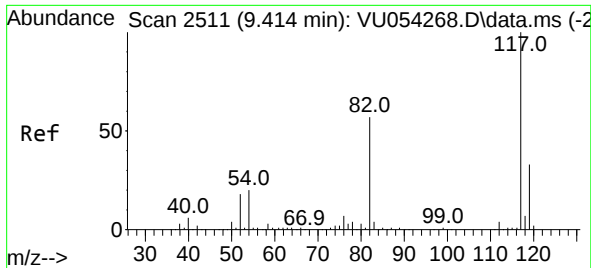
Ion Ratio Lower Upper

95 100

174 83.1 0.0 182.0

176 79.5 0.0 177.8

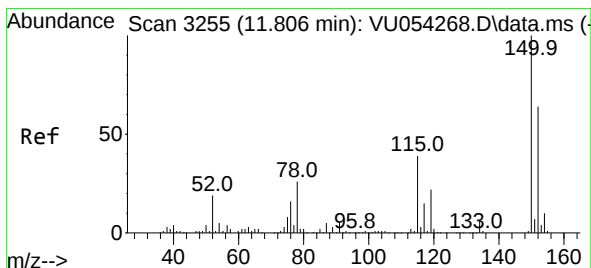
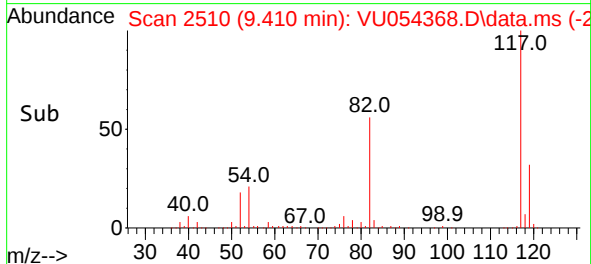
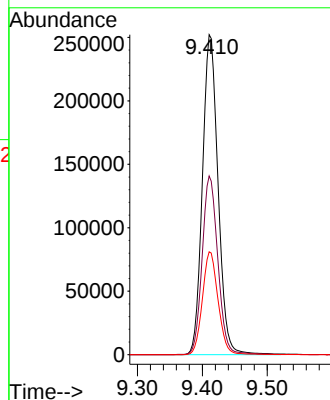
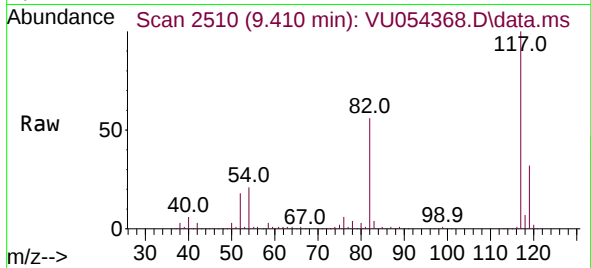




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.410 min Scan# 21
Delta R.T. -0.004 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

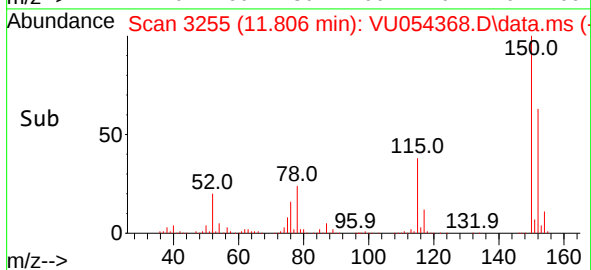
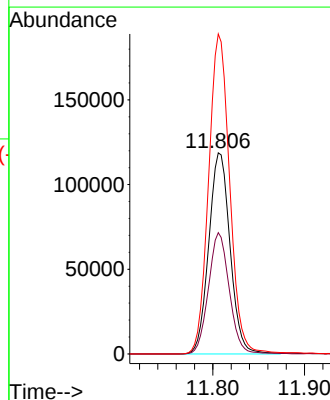
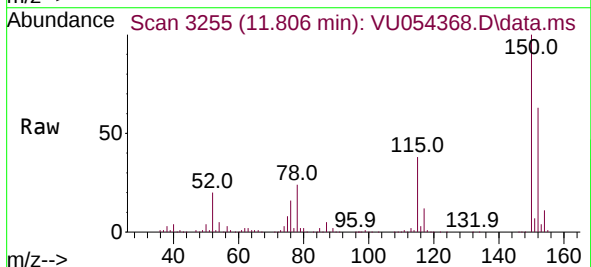
Instrument :
MSVOA_U
ClientSampleId :
TP-3

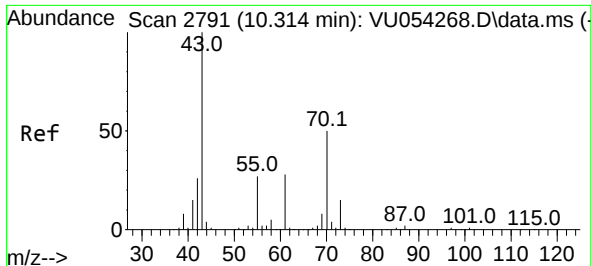
Tgt Ion:117 Resp: 423303
Ion Ratio Lower Upper
117 100
82 55.8 41.7 62.5
119 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

Tgt Ion:152 Resp: 191836
Ion Ratio Lower Upper
152 100
115 58.9 37.0 110.9
150 157.7 0.0 342.2

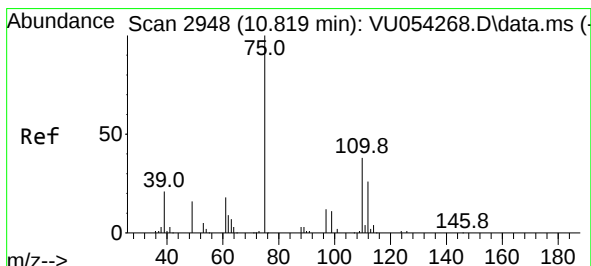
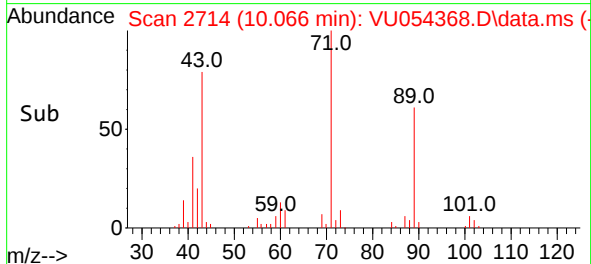
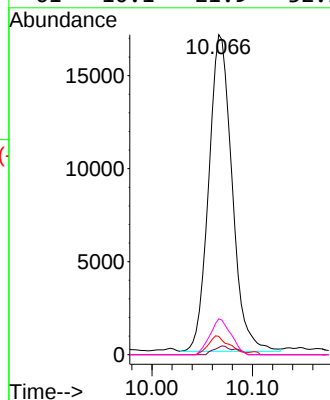
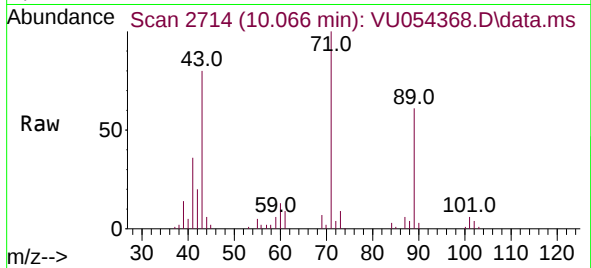




#74
N-amy1 acetate
Concen: 5.442 ug/l
RT: 10.066 min Scan# 21
Delta R.T. -0.248 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

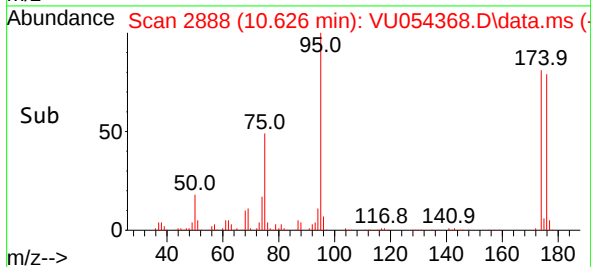
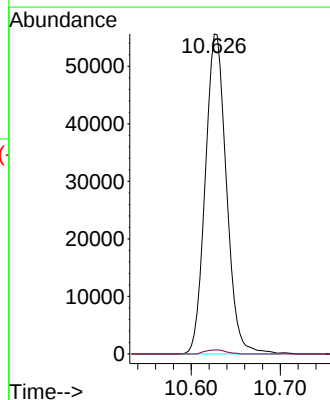
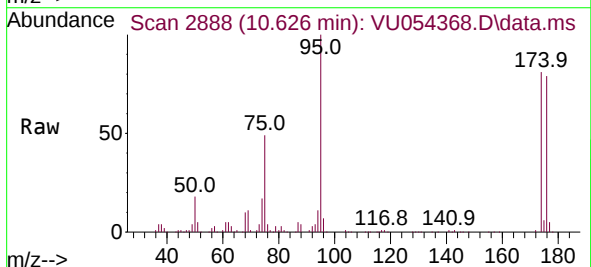
Instrument :
MSVOA_U
ClientSampleId :
TP-3

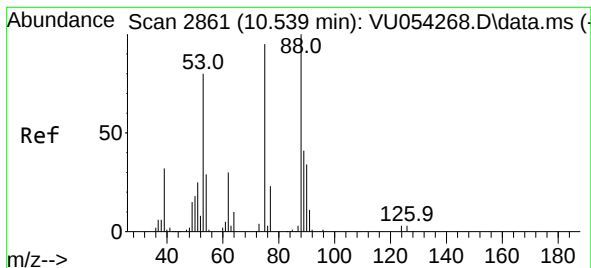
Tgt Ion:	43	Resp:	27454
Ion	Ratio	Lower	Upper
43	100		
70	2.5	38.7	58.1#
55	5.3	21.8	32.8#
61	10.1	21.9	32.9#



#76
1,2,3-Trichloropropane
Concen: 16.346 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.193 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

Tgt Ion:	75	Resp:	91520
Ion	Ratio	Lower	Upper
75	100		
77	1.3	15.8	47.3#

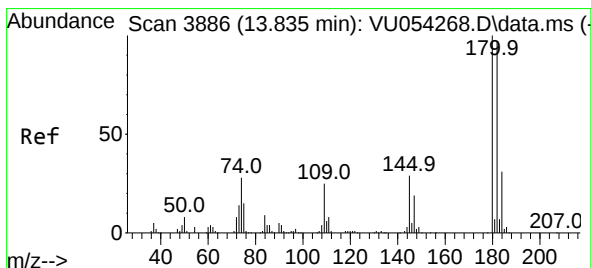
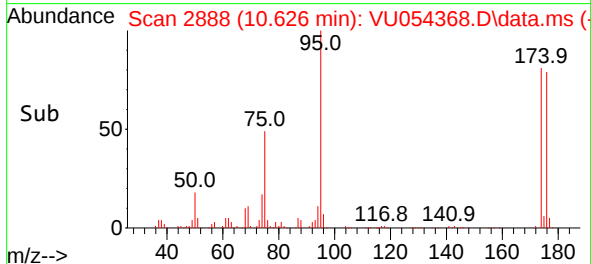
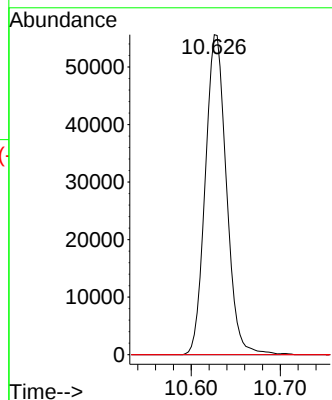
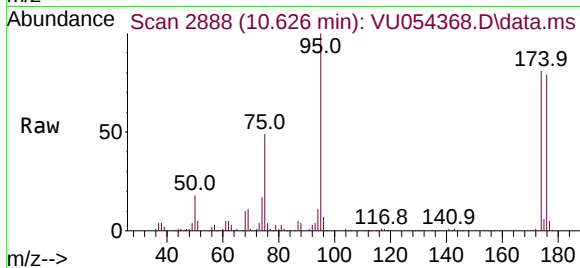




#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.245 ug/l
 RT: 10.626 min Scan# 2861
 Delta R.T. 0.087 min
 Lab File: VU054368.D
 Acq: 01 Jun 2023 03:40

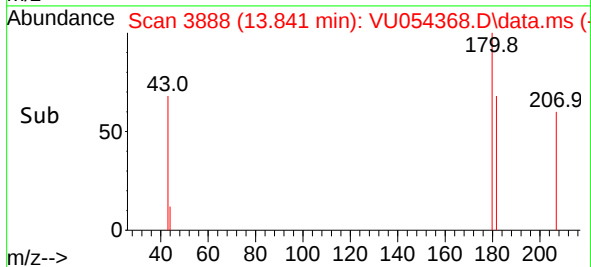
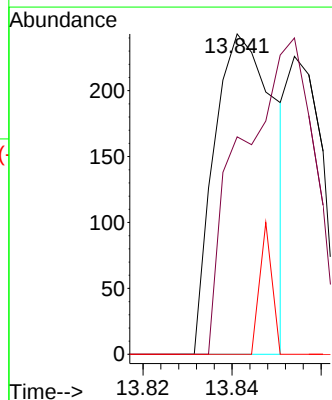
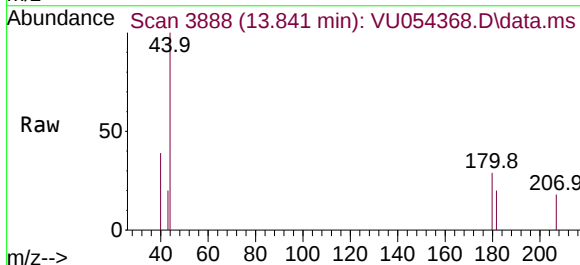
Instrument :
 MSVOA_U
 ClientSampleId :
 TP-3

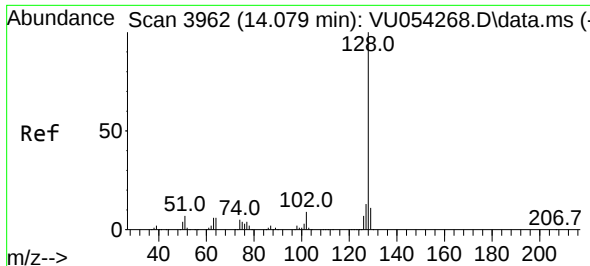
Tgt Ion: 75 Resp: 91520
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.2 103.8#
 89 0.0 37.0 55.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.694 ug/l
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.006 min
 Lab File: VU054368.D
 Acq: 01 Jun 2023 03:40

Tgt Ion:180 Resp: 231
 Ion Ratio Lower Upper
 180 100
 182 116.9 47.9 143.6
 145 8.2 14.0 41.9#

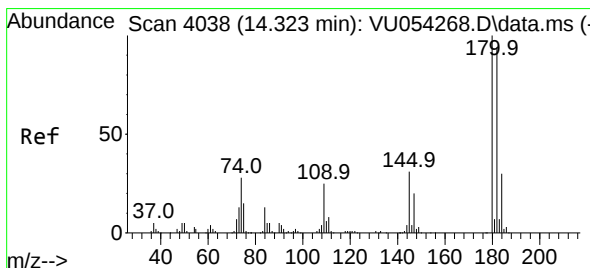
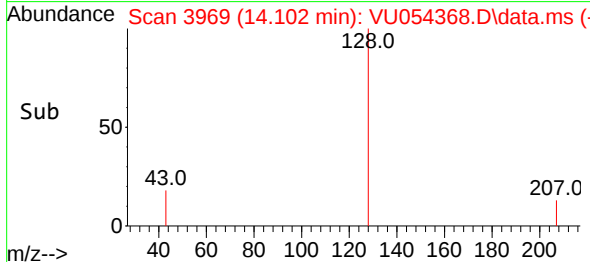
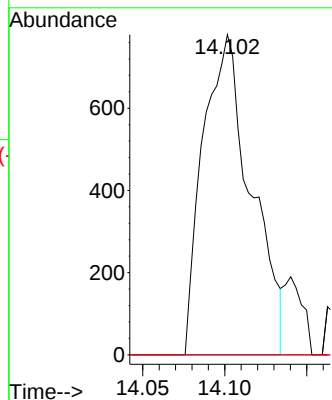
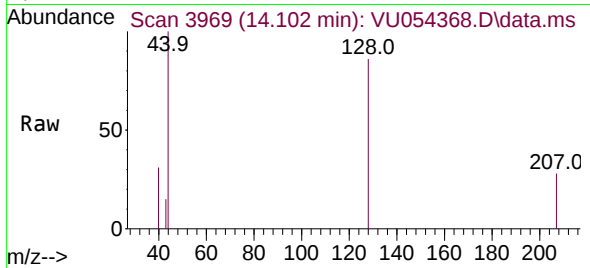




#95
Naphthalene
Concen: 2.098 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.023 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

Instrument : MSVOA_U
ClientSampleId : TP-3

Tgt Ion:	128	Resp:	1580
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: 1.324 ug/l
RT: 14.333 min Scan# 4041
Delta R.T. 0.010 min
Lab File: VU054368.D
Acq: 01 Jun 2023 03:40

Tgt Ion:	180	Resp:	309
Ion Ratio	Lower	Upper	
180	100		
182	92.9	48.4	145.0
145	0.0	14.8	44.4#

