

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080322\
 Data File : VX030369.D
 Acq On : 03 Aug 2022 14:36
 Operator : JC/MD
 Sample : N3976-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP1-0729

Quant Time: Aug 03 15:55:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

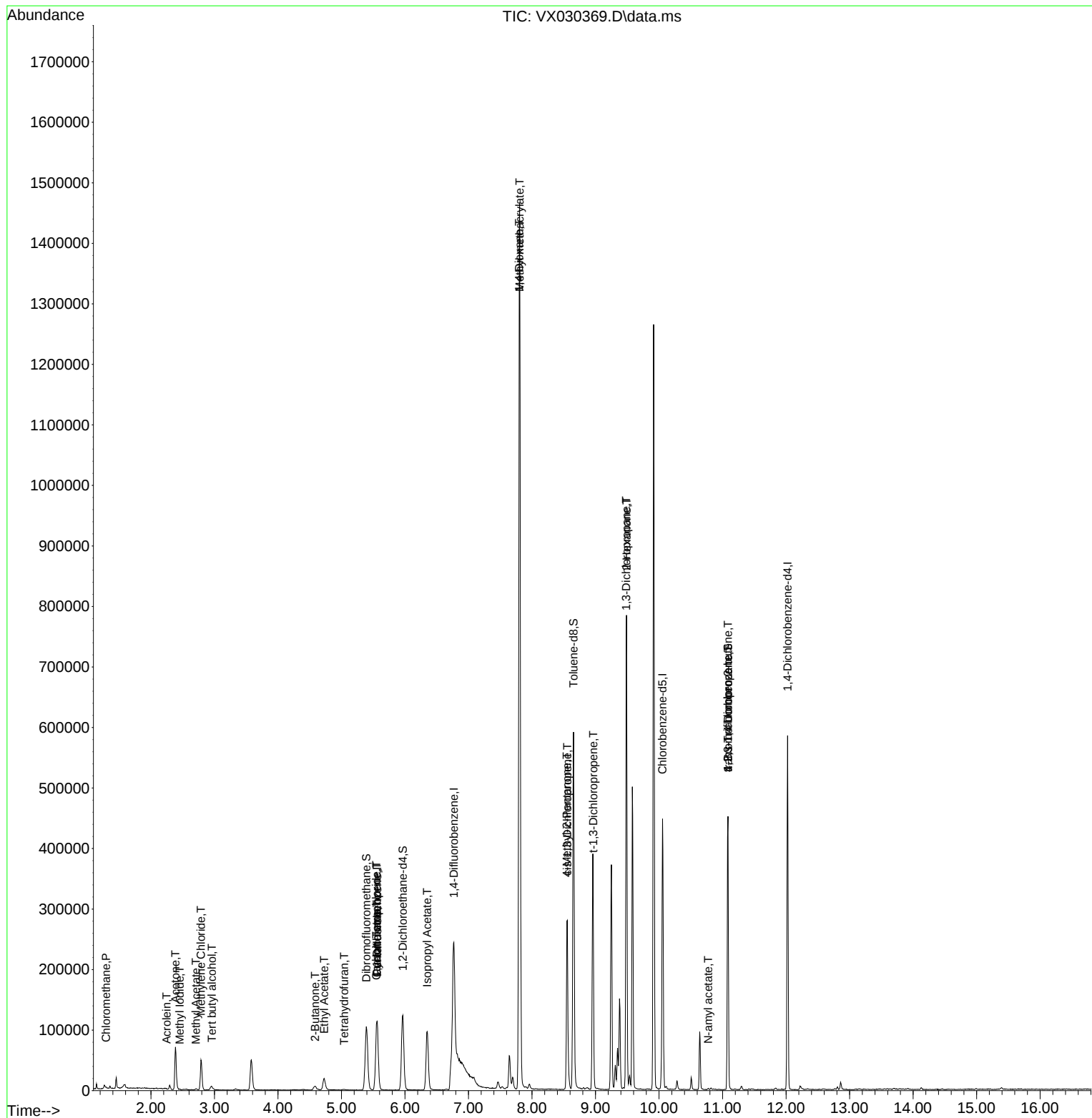
Internal Standards						
1) Pentafluorobenzene	5.562	168	103438	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	191839	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	124036	59.660	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 119.320%		
35) Dibromofluoromethane	5.391	113	91647	49.974	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 99.940%		
50) Toluene-d8	8.653	98	332884	46.872	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 93.740%		
62) 4-Bromofluorobenzene	11.085	95	119487	45.334	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 90.660%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	407	0.242	ug/l	96
5) Bromomethane	1.605	94	461	Below Cal	#	70
10) Methyl Iodide	2.453	142	200	1.645	ug/l	# 90
11) Tert butyl alcohol	2.959	59	5082	10.021	ug/l	# 74
13) Acrolein	2.246	56	275	2.206	ug/l	90
16) Acetone	2.386	43	76700	72.058	ug/l	90
18) Methyl Acetate	2.709	43	2357	0.749	ug/l	96
20) Methylene Chloride	2.788	84	21462	9.721	ug/l	88
25) 2-Butanone	4.587	43	9508	5.316	ug/l	96
29) Tetrahydrofuran	5.044	42	1289	1.071	ug/l	# 49
31) Cyclohexane	5.556	56	2826	0.936	ug/l	# 32
36) 1,1-Dichloropropene	5.556	75	9113	3.453	ug/l	# 47
37) Ethyl Acetate	4.727	43	33356	8.925	ug/l	97
38) Carbon Tetrachloride	5.550	117	11499	4.667	ug/l	# 17
43) Isopropyl Acetate	6.348	43	138720	25.320	ug/l	94
48) Methyl methacrylate	7.806	41	131941	48.927	ug/l	# 42
49) 1,4-Dioxane	7.799	88	94	1.509	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	107114	28.798	ug/l	# 51
53) t-1,3-Dichloropropene	8.964	75	889	0.301	ug/l	# 42
54) cis-1,3-Dichloropropene	8.555	75	42410	13.186	ug/l	# 64
57) 1,3-Dichloropropane	9.482	76	6693	1.880	ug/l	# 42
59) 2-Hexanone	9.488	43	94505	32.205	ug/l	# 49
67) Ethyl Benzene	10.208	91	144	Below Cal	#	43
74) N-amyl acetate	10.774	43	1140	0.277	ug/l	# 55
76) 1,2,3-Trichloropropane	11.085	75	63857	22.321	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.085	75	63857	66.961	ug/l	# 12

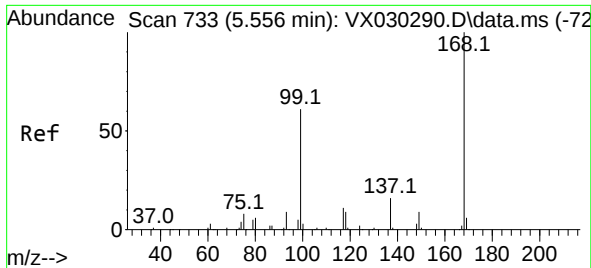
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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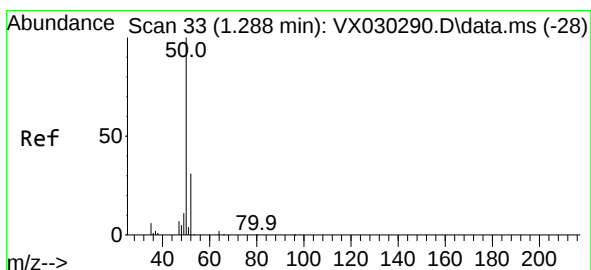
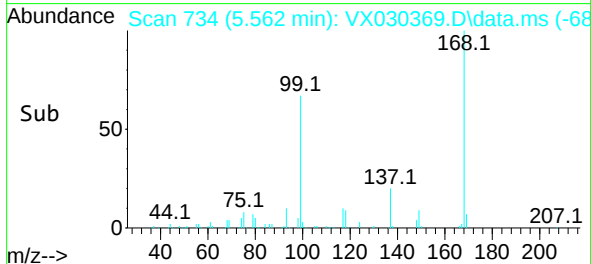
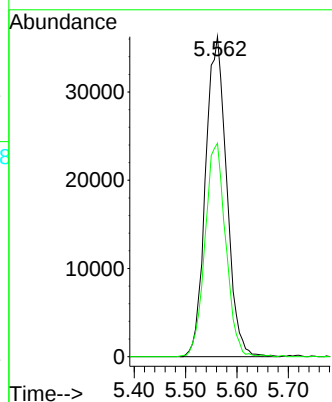
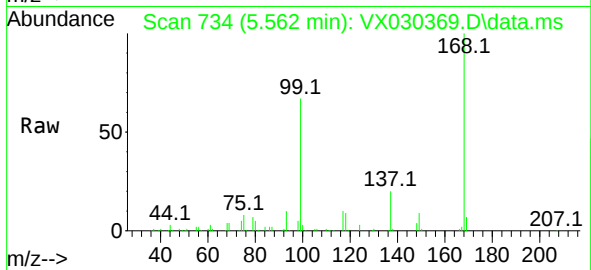




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

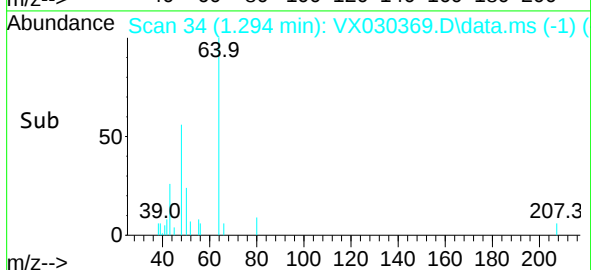
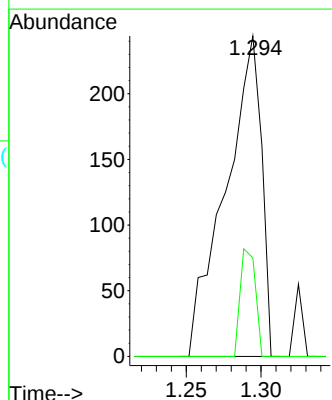
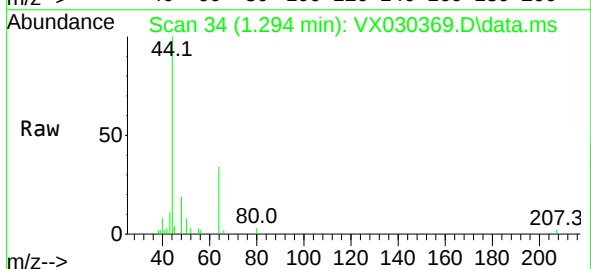
Instrument :
MSVOA_X
ClientSampleId :
TP1-0729

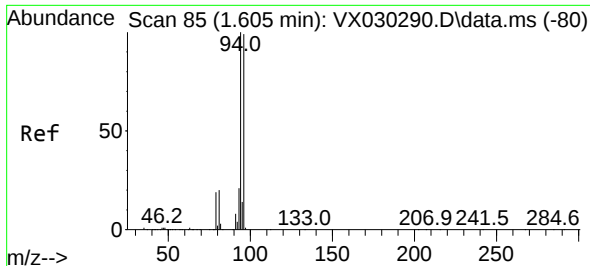
Tgt Ion:168 Resp: 103438
Ion Ratio Lower Upper
168 100
99 66.5 44.0 66.0#



#3
Chloromethane
Concen: 0.242 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

Tgt Ion: 50 Resp: 407
Ion Ratio Lower Upper
50 100
52 30.7 26.3 39.5

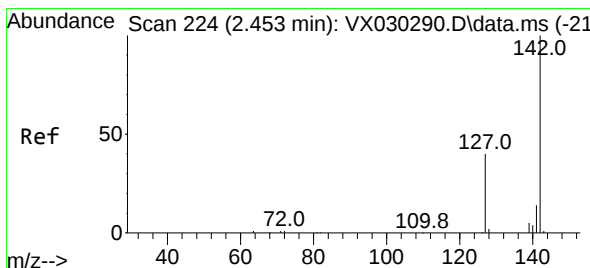
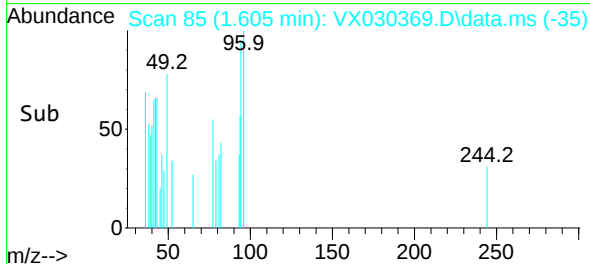
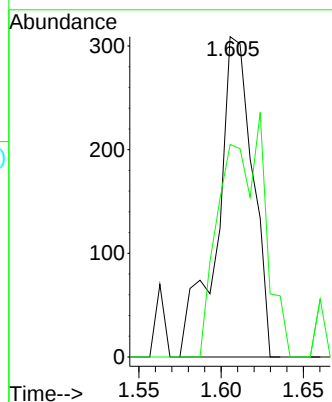
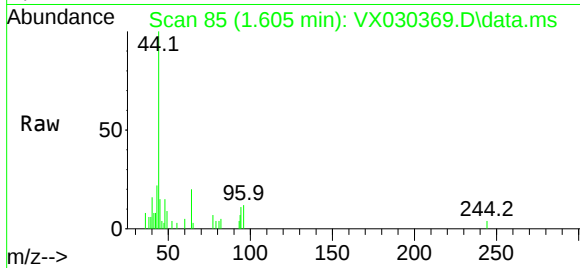




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

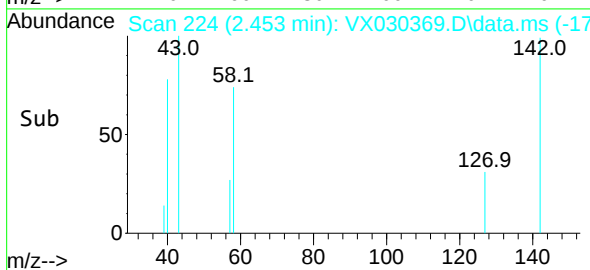
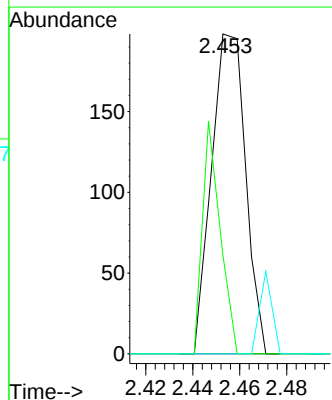
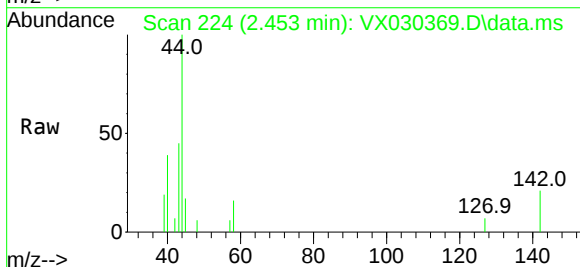
Instrument :
MSVOA_X
ClientSampleId :
TP1-0729

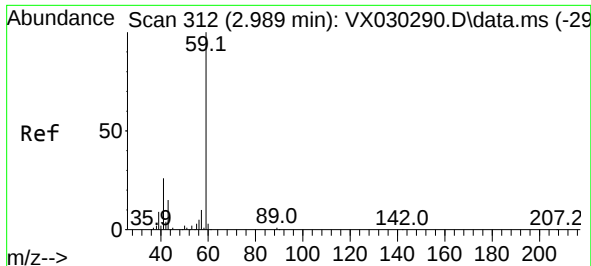
Tgt Ion: 94 Resp: 461
Ion Ratio Lower Upper
94 100
96 66.3 76.9 115.3#



#10
Methyl Iodide
Concen: 1.645 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.007 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

Tgt Ion: 142 Resp: 200
Ion Ratio Lower Upper
142 100
127 37.5 30.2 45.2
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 10.021 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX030369.D

Acq: 03 Aug 2022 14:36

Instrument :

MSVOA_X

ClientSampleId :

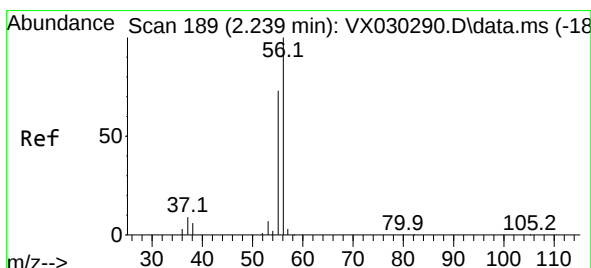
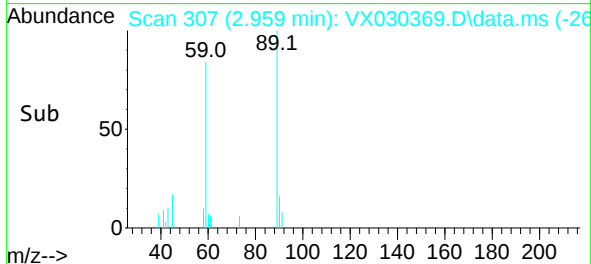
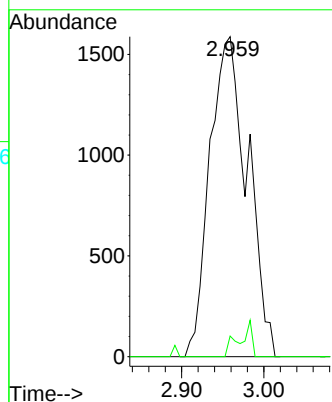
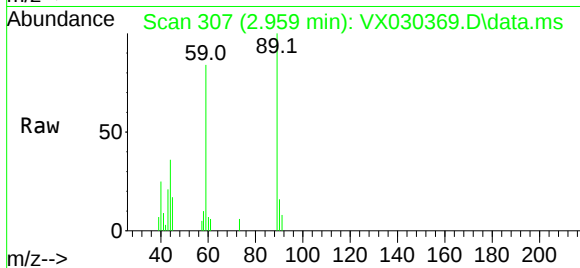
TP1-0729

Tgt Ion: 59 Resp: 5082

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 2.206 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.007 min

Lab File: VX030369.D

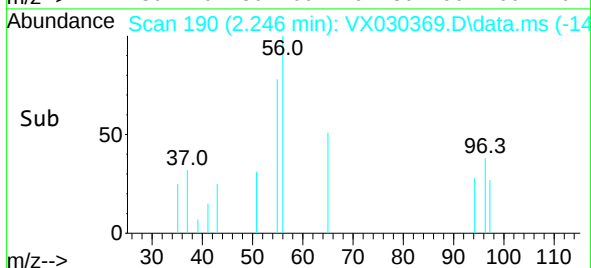
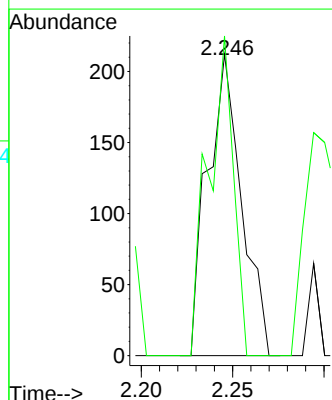
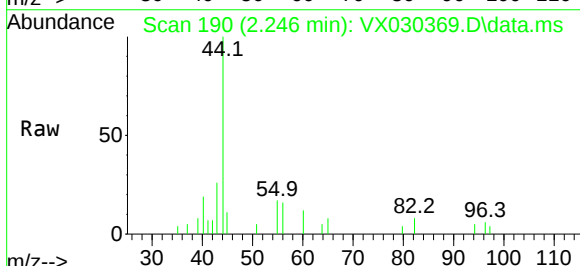
Acq: 03 Aug 2022 14:36

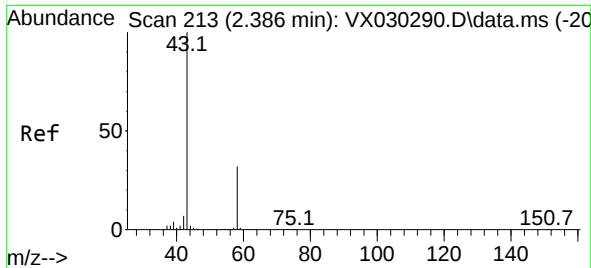
Tgt Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 78.5 56.6 84.8

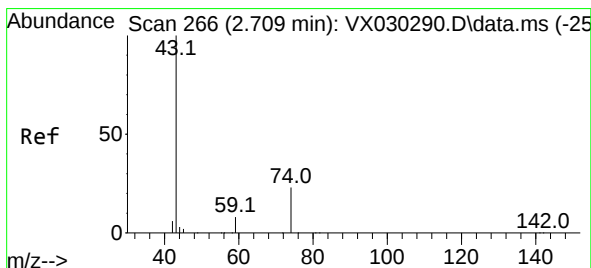
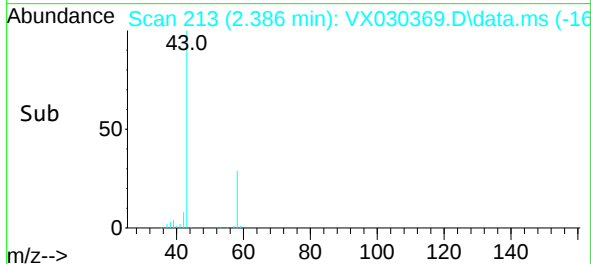
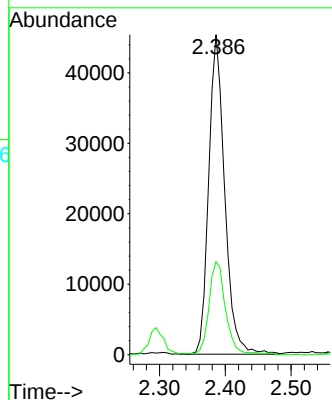
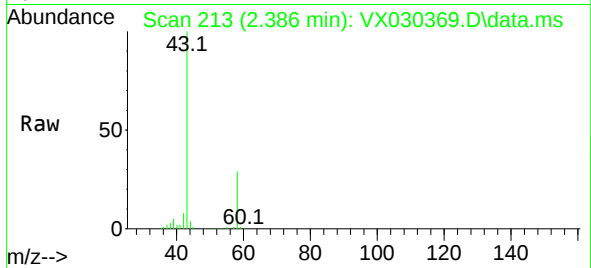




#16
Acetone
Concen: 72.058 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

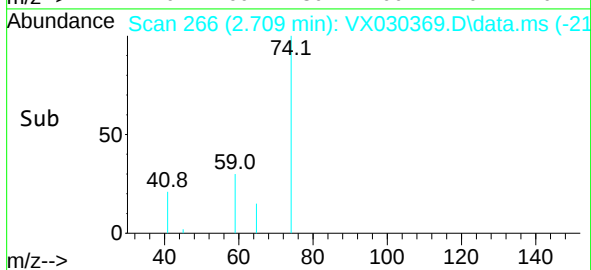
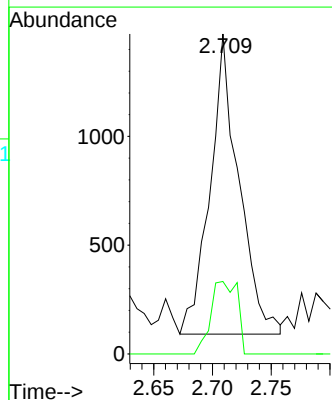
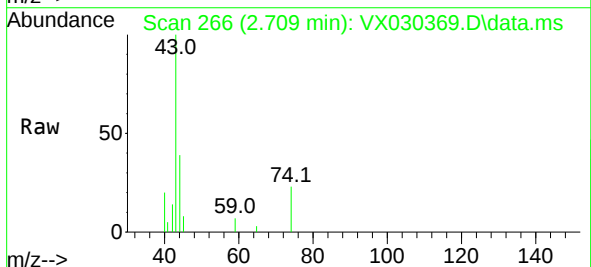
Instrument :
MSVOA_X
ClientSampleId :
TP1-0729

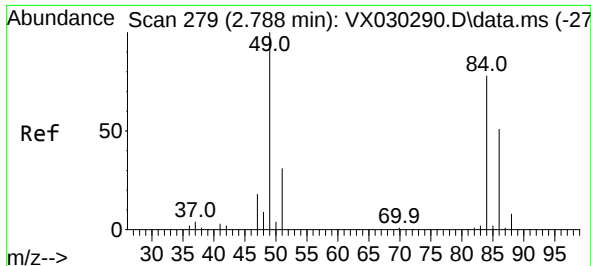
Tgt Ion: 43 Resp: 76700
Ion Ratio Lower Upper
43 100
58 29.1 27.7 41.5



#18
Methyl Acetate
Concen: 0.749 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.001 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

Tgt Ion: 43 Resp: 2357
Ion Ratio Lower Upper
43 100
74 22.3 19.4 29.2





#20

Methylene Chloride

Concen: 9.721 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX030369.D

Acq: 03 Aug 2022 14:36

Instrument :

MSVOA_X

ClientSampleId :

TP1-0729

Tgt Ion: 84 Resp: 21462

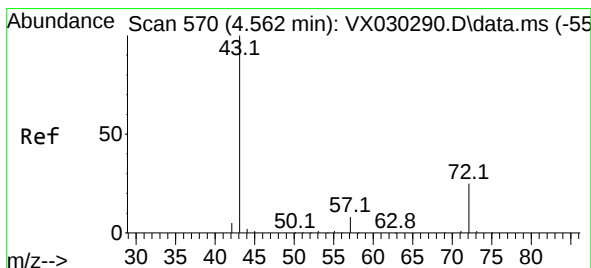
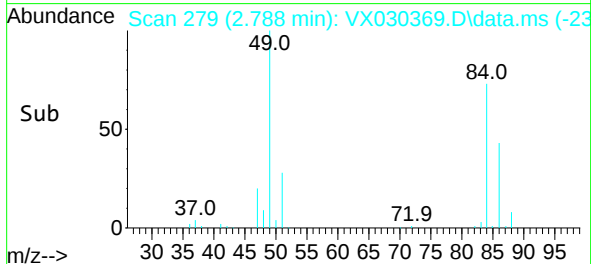
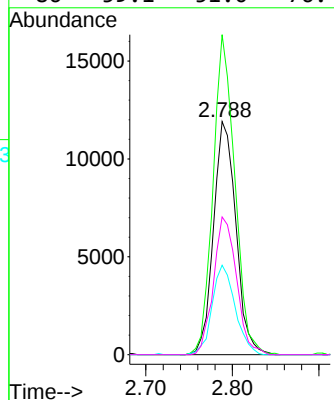
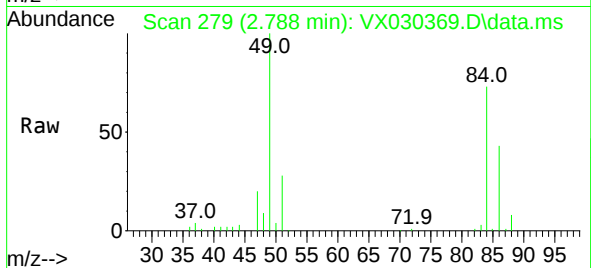
Ion Ratio Lower Upper

84 100

49 137.2 93.8 140.6

51 38.4 29.4 44.0

86 59.1 51.0 76.4



#25

2-Butanone

Concen: 5.316 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX030369.D

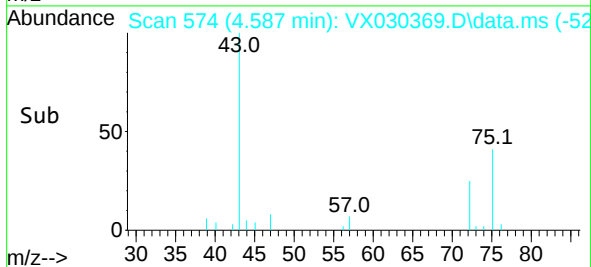
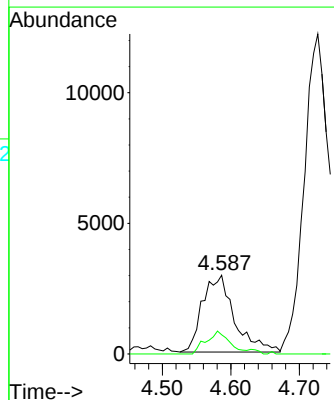
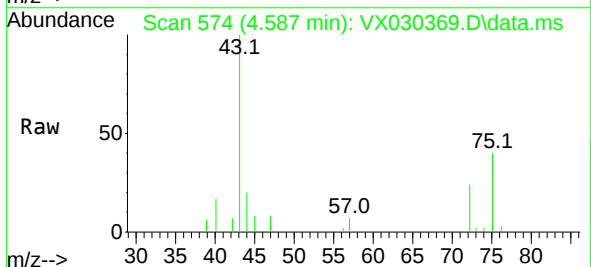
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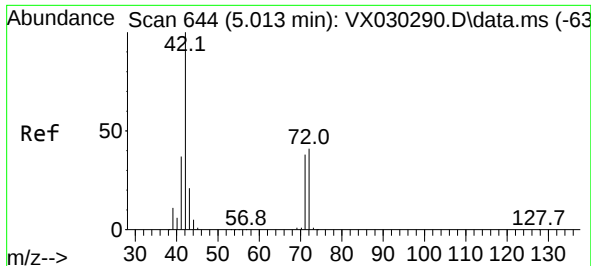
Tgt Ion: 43 Resp: 9508

Ion Ratio Lower Upper

43 100

72 25.0 21.7 32.5





#29

Tetrahydrofuran

Concen: 1.071 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX030369.D

Acq: 03 Aug 2022 14:36

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MSVOA_X

ClientSampleId :

TP1-0729

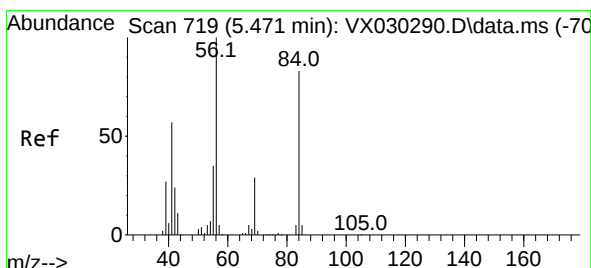
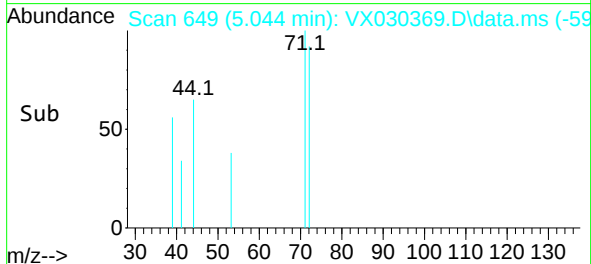
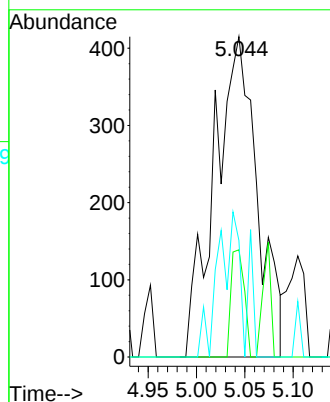
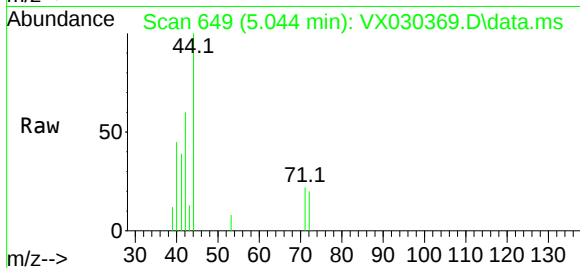
Tgt Ion: 42 Resp: 1289

Ion Ratio Lower Upper

42 100

72 10.2 36.5 54.7#

71 12.2 33.9 50.9#



#31

Cyclohexane

Concen: 0.936 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX030369.D

Acq: 03 Aug 2022 14:36

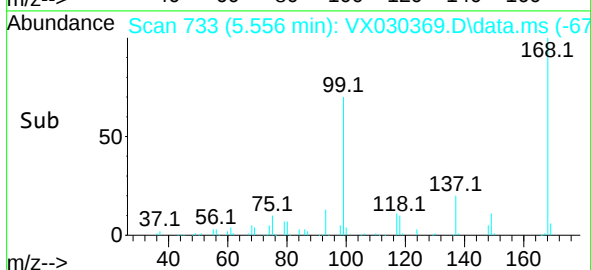
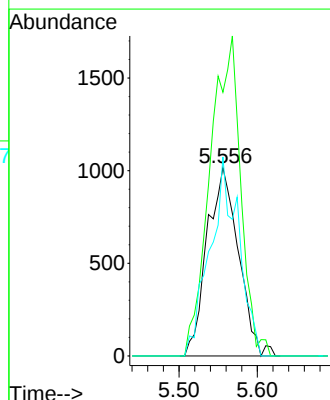
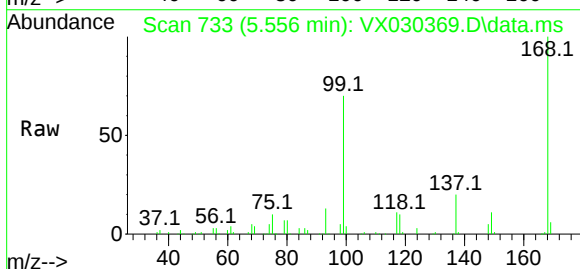
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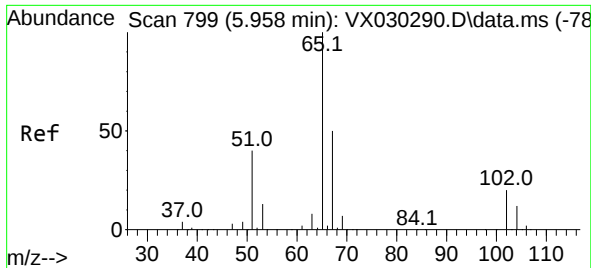
Ion Ratio Lower Upper

56 100

69 140.1 25.4 38.0#

84 105.7 68.9 103.3#

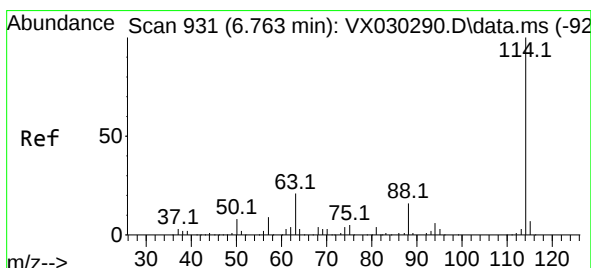
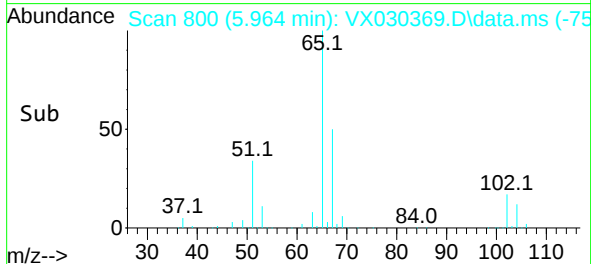
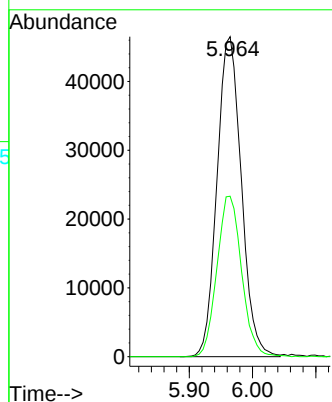
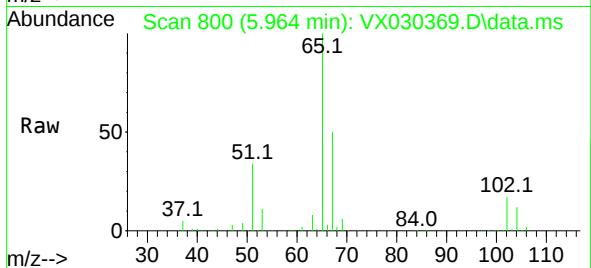




#33
 1,2-Dichloroethane-d4
 Concen: 59.660 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX030369.D
 Acq: 03 Aug 2022 14:36

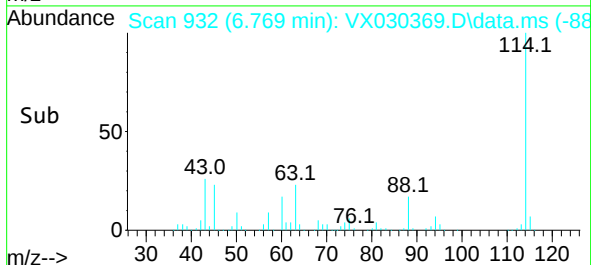
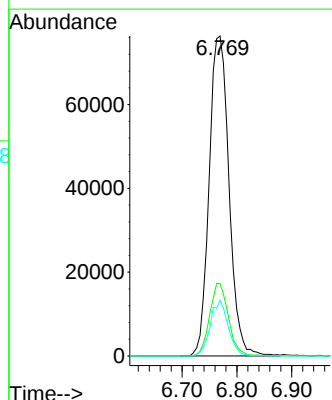
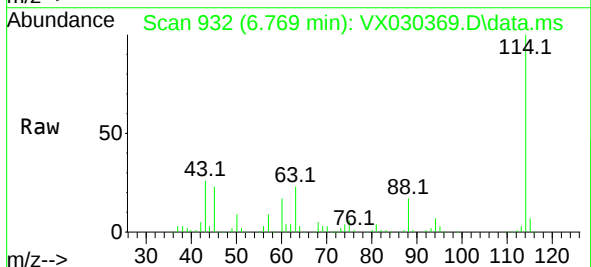
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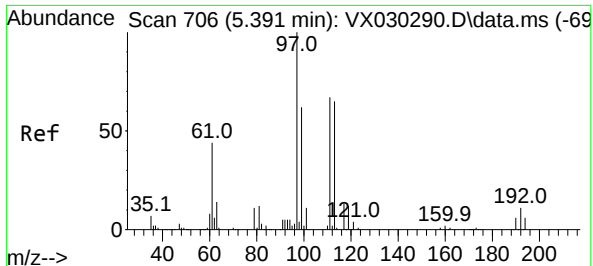
Tgt Ion: 65 Resp: 124036
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX030369.D
 Acq: 03 Aug 2022 14:36

Tgt Ion: 114 Resp: 191839
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 38.4
 88 17.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.974 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030369.D

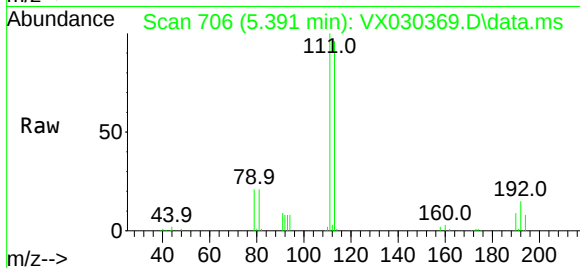
Acq: 03 Aug 2022 14:36

Instrument :

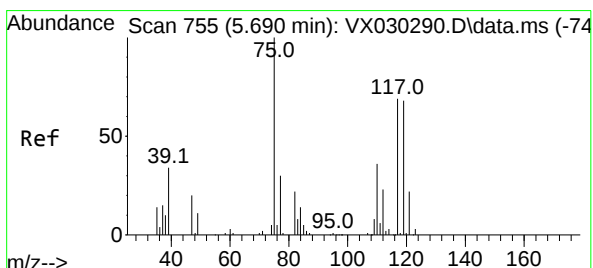
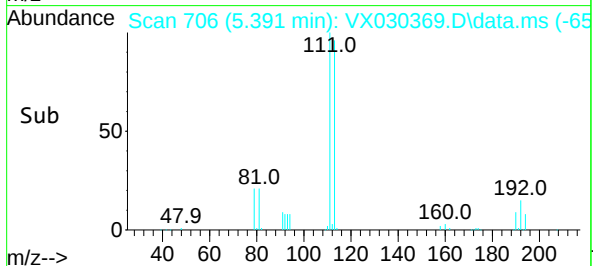
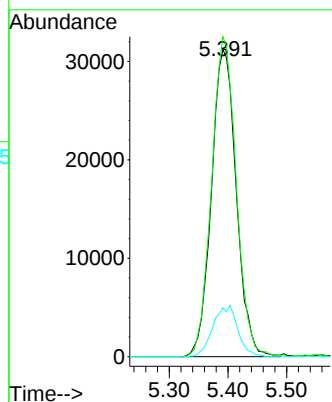
MSVOA_X

ClientSampleId :

TP1-0729



Tgt Ion:	113	Resp:	91647
Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.2	124.8
192	16.6	14.8	22.2



#36

1,1-Dichloropropene

Concen: 3.453 ug/l

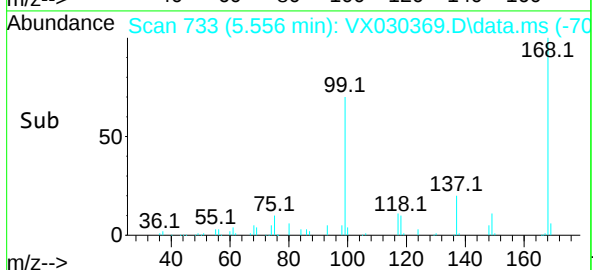
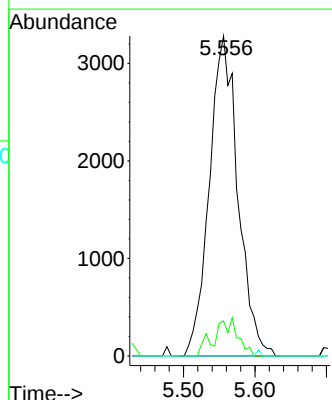
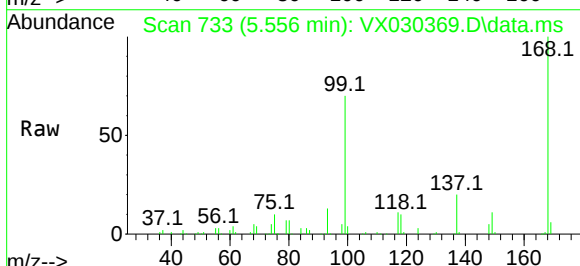
RT: 5.556 min Scan# 733

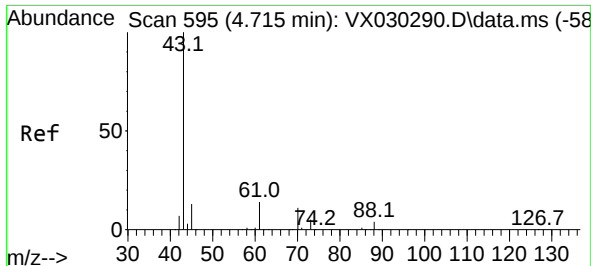
Delta R.T. -0.140 min

Lab File: VX030369.D

Acq: 03 Aug 2022 14:36

Tgt Ion:	75	Resp:	9113
Ion	Ratio	Lower	Upper
75	100		
110	7.4	19.3	57.9#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 8.925 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.007 min

Lab File: VX030369.D

Acq: 03 Aug 2022 14:36

Instrument :

MSVOA_X

ClientSampleId :

TP1-0729

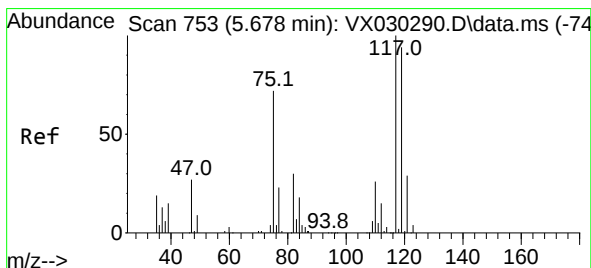
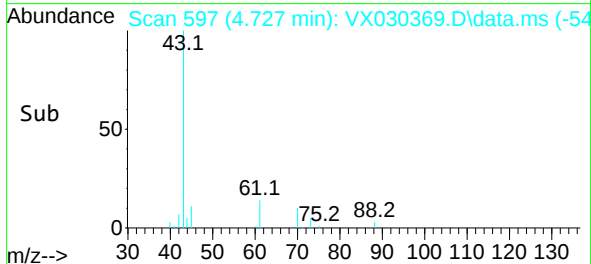
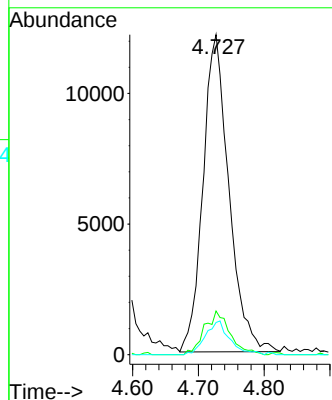
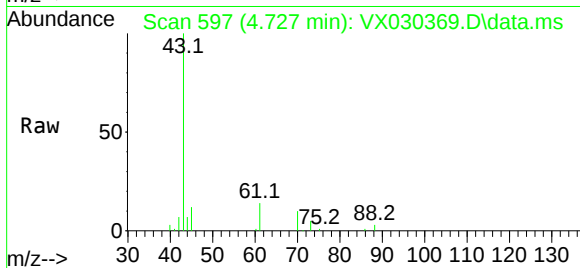
Tgt Ion: 43 Resp: 33356

Ion Ratio Lower Upper

43 100

61 13.5 11.7 17.5

70 9.9 9.3 13.9



#38

Carbon Tetrachloride

Concen: 4.667 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.133 min

Lab File: VX030369.D

Acq: 03 Aug 2022 14:36

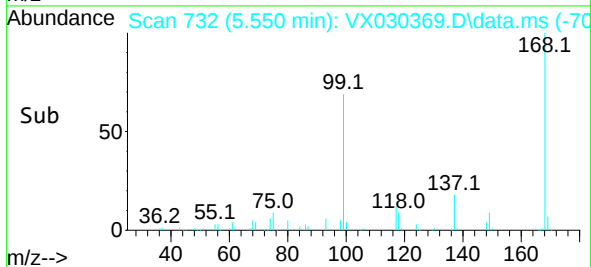
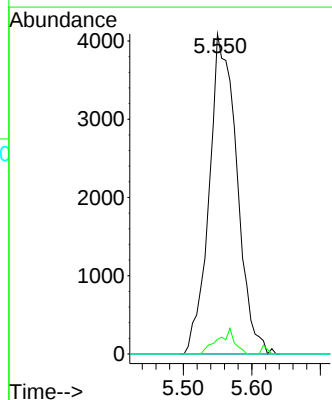
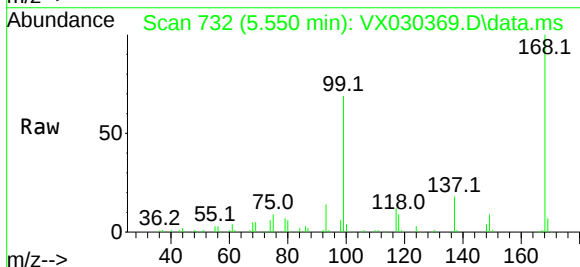
Tgt Ion: 117 Resp: 11499

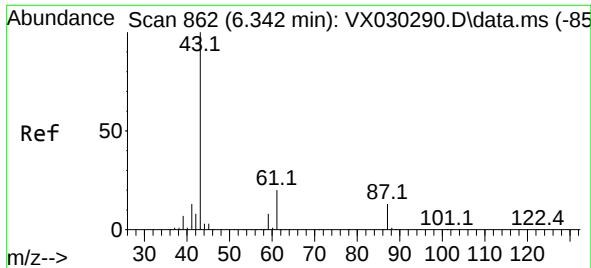
Ion Ratio Lower Upper

117 100

119 4.5 74.1 111.1#

121 0.0 25.8 38.8#

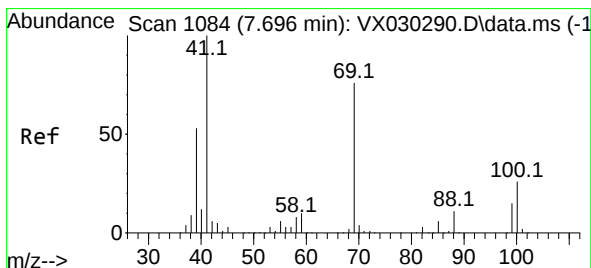
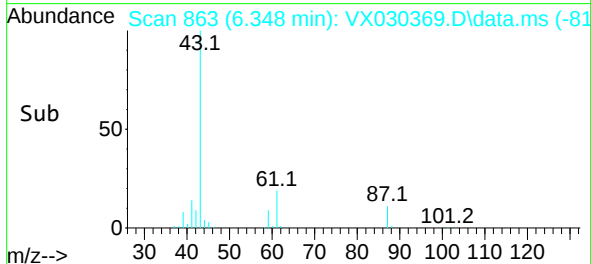
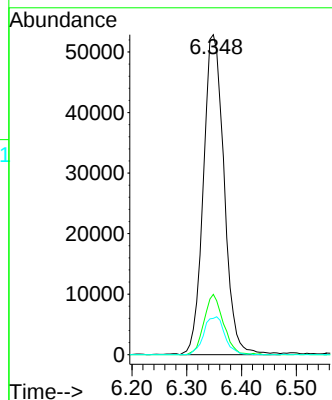
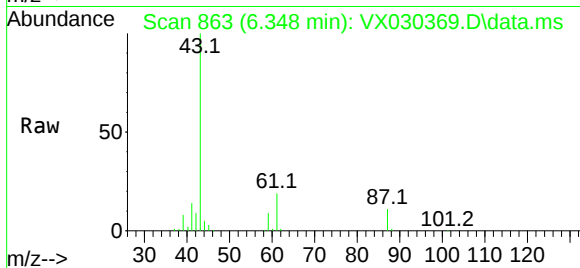




#43
Isopropyl Acetate
Concen: 25.320 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

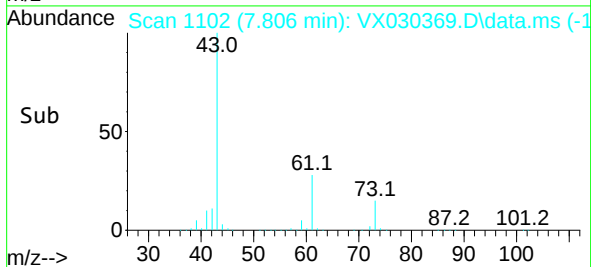
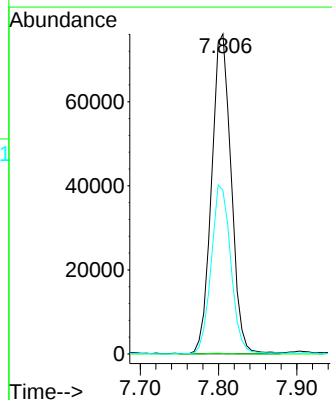
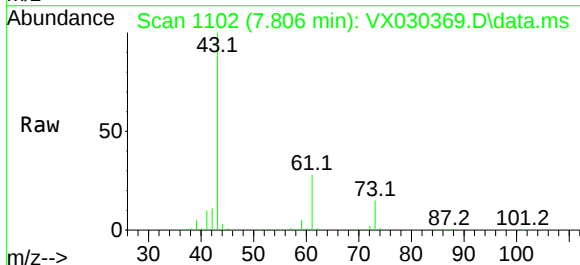
Instrument :
MSVOA_X
ClientSampleId :
TP1-0729

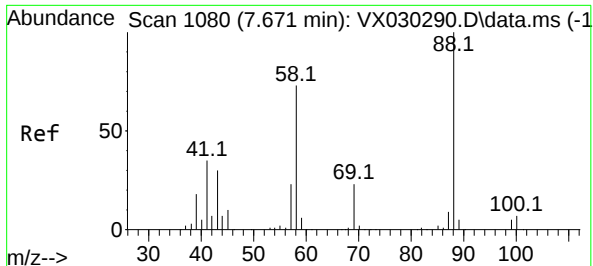
Tgt Ion: 43 Resp: 138720
Ion Ratio Lower Upper
43 100
61 17.6 16.5 24.7
87 12.0 11.1 16.7



#48
Methyl methacrylate
Concen: 48.927 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.111 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

Tgt Ion: 41 Resp: 131941
Ion Ratio Lower Upper
41 100
69 0.2 68.8 103.2#
39 53.2 44.6 66.8





#49

1,4-Dioxane

Concen: 1.509 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX030369.D

Acq: 03 Aug 2022 14:36

Instrument :

MSVOA_X

ClientSampleId :

TP1-0729

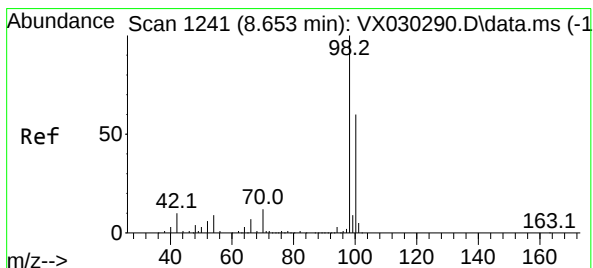
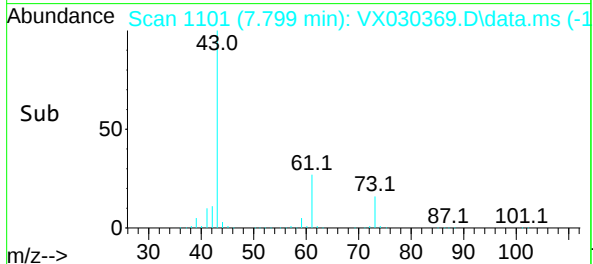
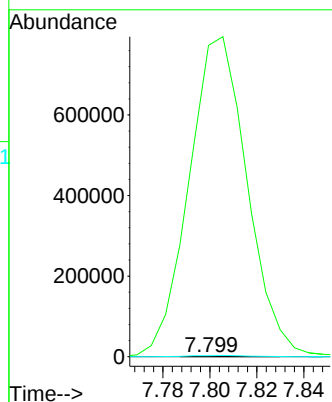
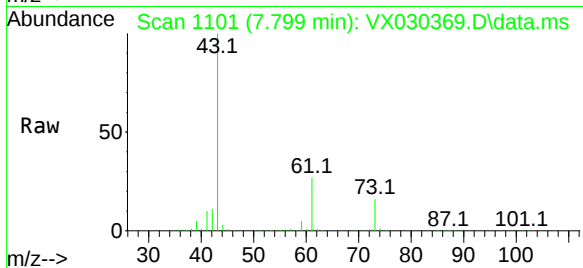
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

43 1467173.4 23.8 35.8#

58 5537.2 53.8 80.6#



#50

Toluene-d8

Concen: 46.872 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.001 min

Lab File: VX030369.D

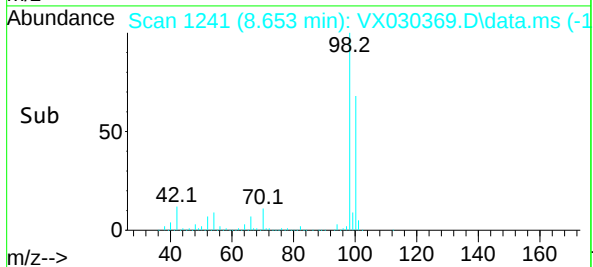
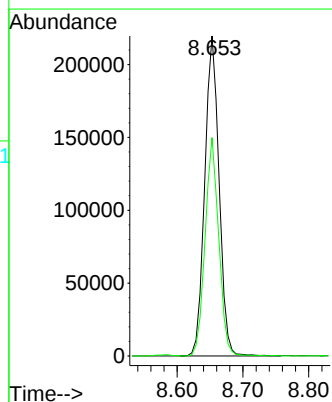
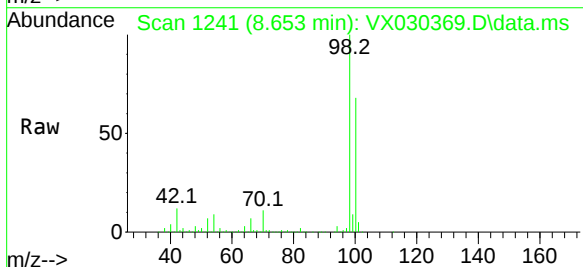
Acq: 03 Aug 2022 14:36

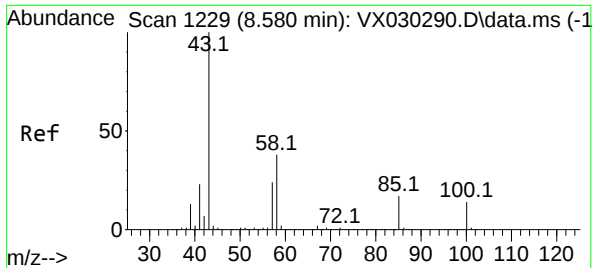
Tgt Ion: 98 Resp: 332884

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5

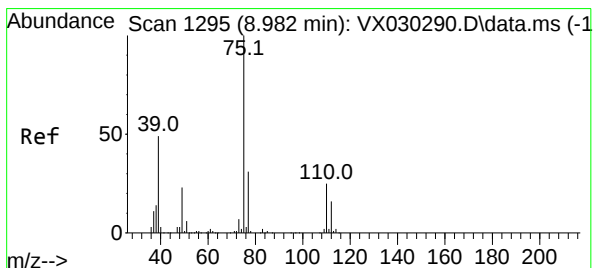
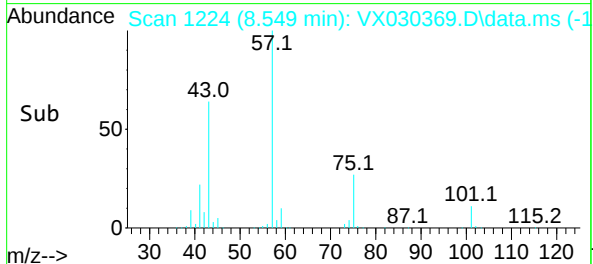
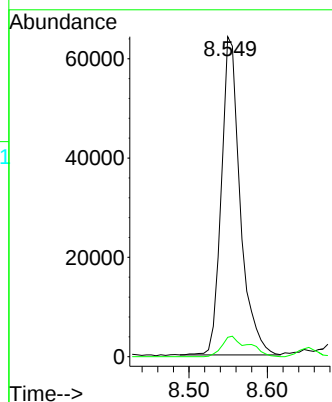
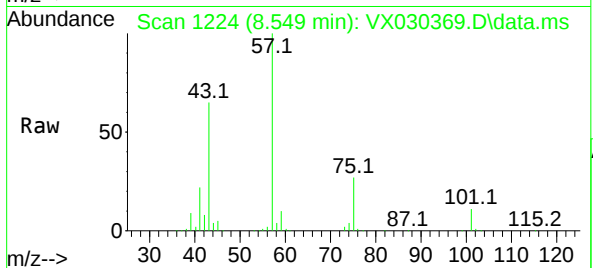




#51
4-Methyl-2-Pentanone
Concen: 28.798 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

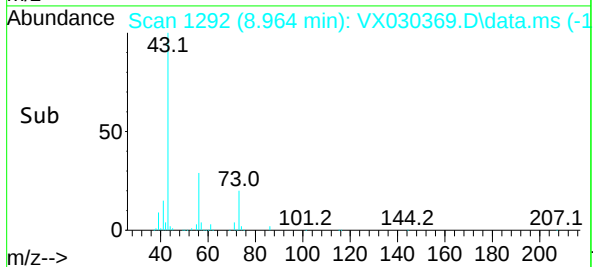
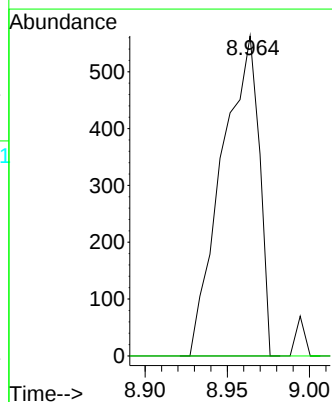
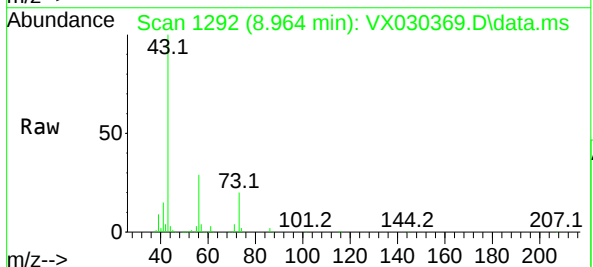
Instrument :
MSVOA_X
ClientSampleId :
TP1-0729

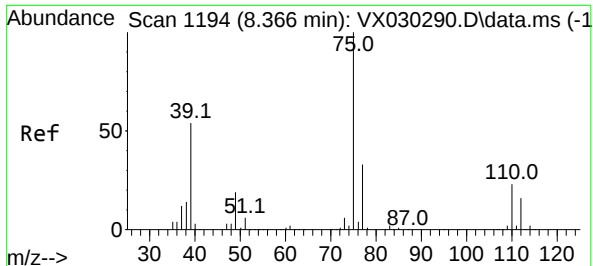
Tgt Ion: 43 Resp: 107114
Ion Ratio Lower Upper
43 100
58 9.0 31.4 47.2#



#53
t-1,3-Dichloropropene
Concen: 0.301 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.018 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

Tgt Ion: 75 Resp: 889
Ion Ratio Lower Upper
75 100
77 0.0 26.3 39.5#

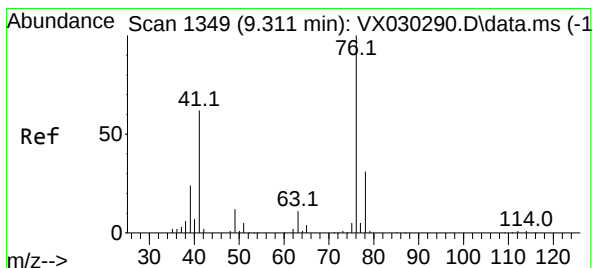
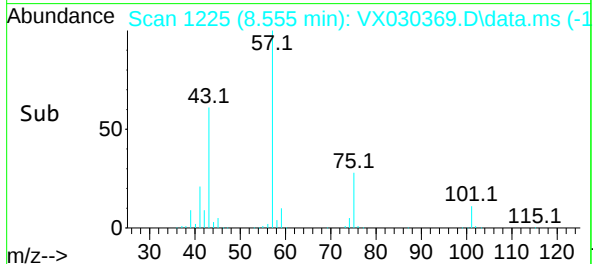
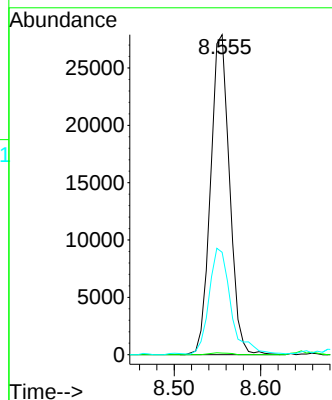
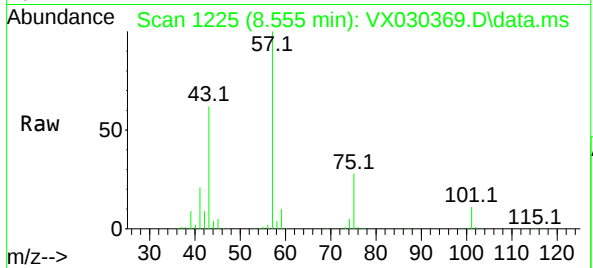




#54
 cis-1,3-Dichloropropene
 Concen: 13.186 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX030369.D
 Acq: 03 Aug 2022 14:36

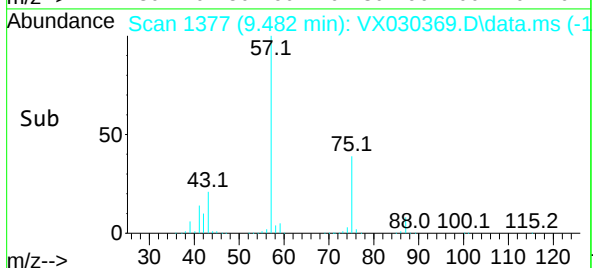
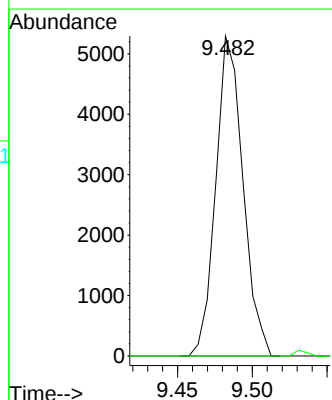
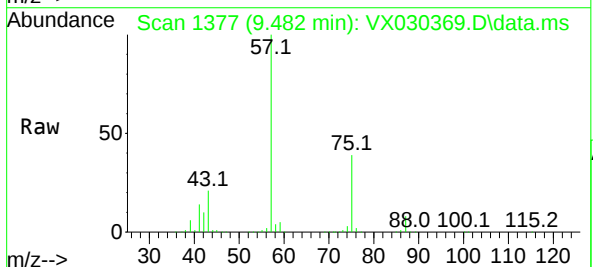
Instrument :
 MSVOA_X
 ClientSampleId :
 TP1-0729

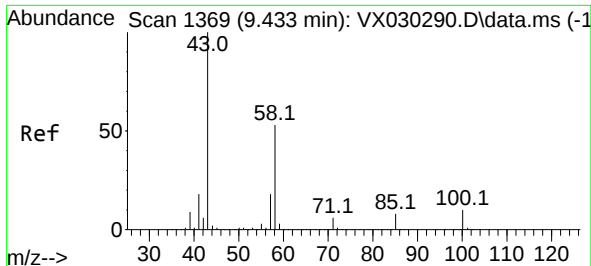
Tgt Ion: 75 Resp: 42410
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 31.7 37.5 56.3#



#57
 1,3-Dichloropropane
 Concen: 1.880 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX030369.D
 Acq: 03 Aug 2022 14:36

Tgt Ion: 76 Resp: 6693
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 32.205 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX030369.D

Acq: 03 Aug 2022 14:36

Instrument :

MSVOA_X

ClientSampleId :

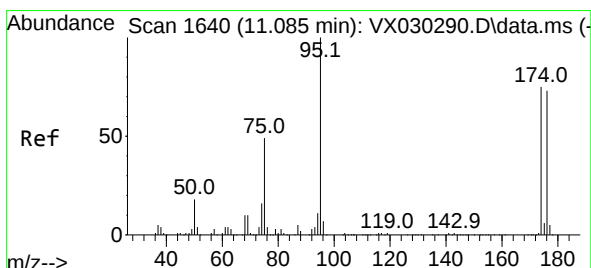
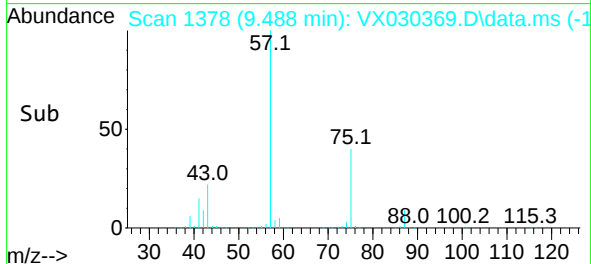
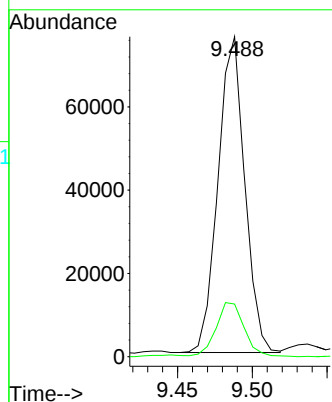
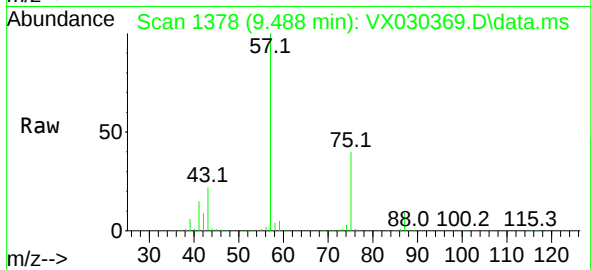
TP1-0729

Tgt Ion: 43 Resp: 94505

Ion Ratio Lower Upper

43 100

58 18.1 27.6 82.8#



#62

4-Bromofluorobenzene

Concen: 45.334 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030369.D

Acq: 03 Aug 2022 14:36

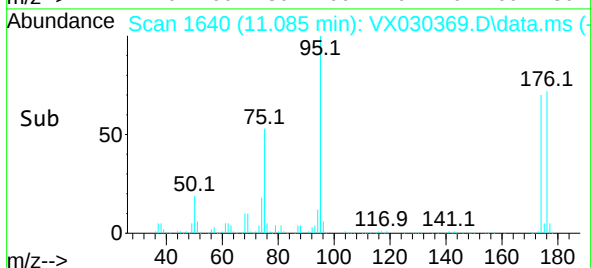
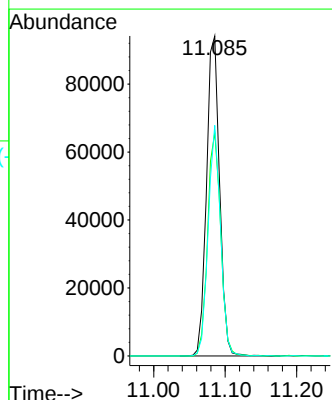
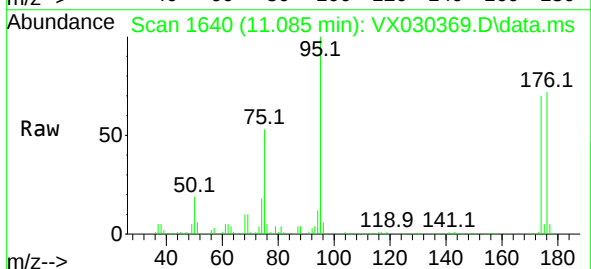
Tgt Ion: 95 Resp: 119487

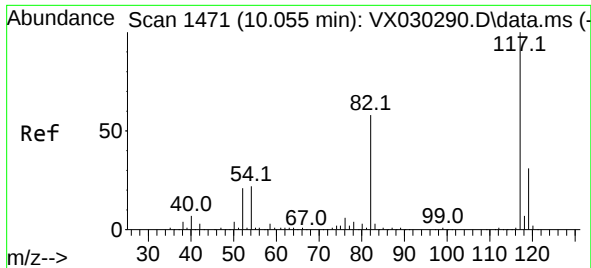
Ion Ratio Lower Upper

95 100

174 69.9 0.0 149.0

176 68.3 0.0 146.0

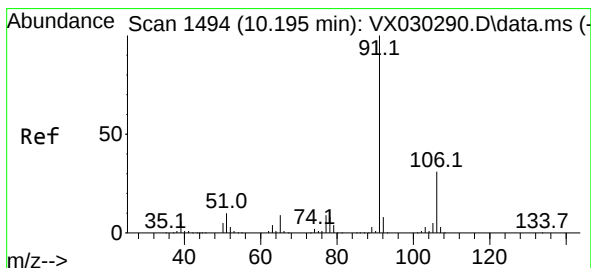
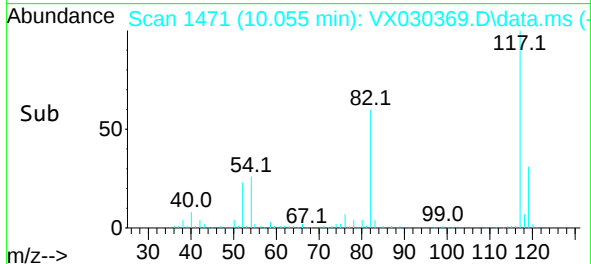
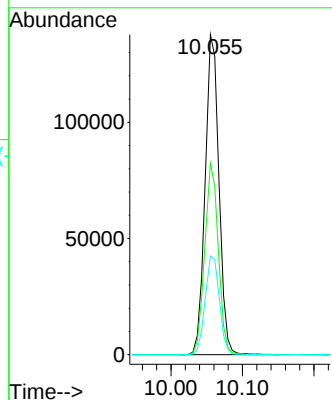
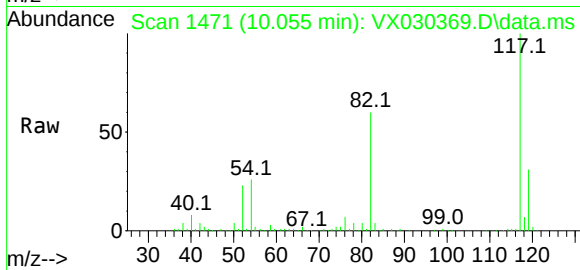




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

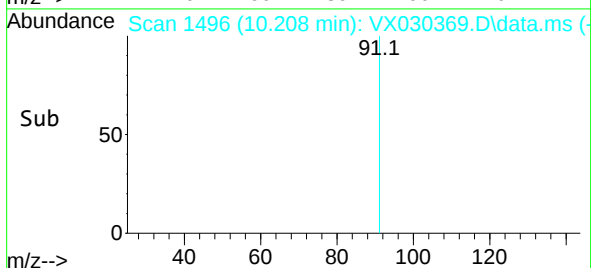
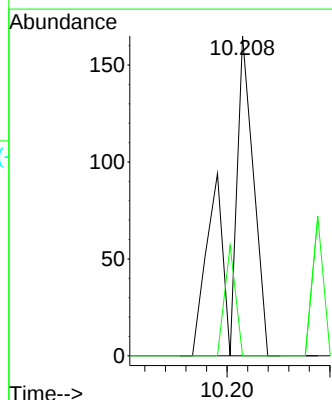
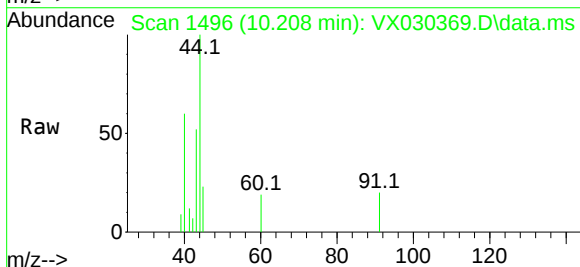
Instrument :
MSVOA_X
ClientSampleId :
TP1-0729

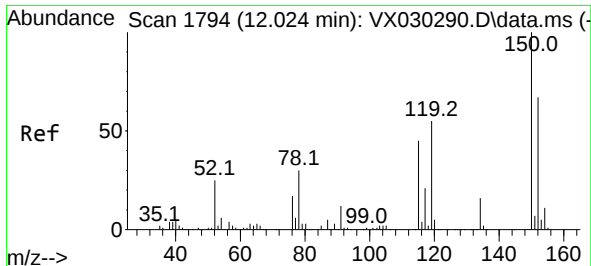
Tgt Ion:117 Resp: 184781
Ion Ratio Lower Upper
117 100
82 59.8 42.7 64.1
119 30.9 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.208 min Scan# 1496
Delta R.T. 0.013 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

Tgt Ion: 91 Resp: 144
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#

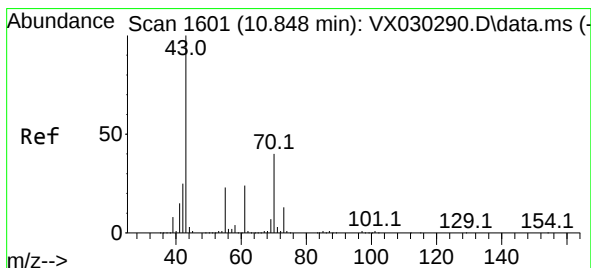
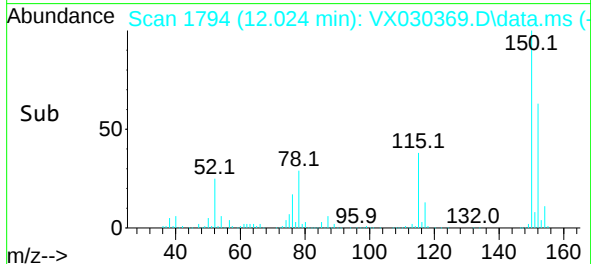
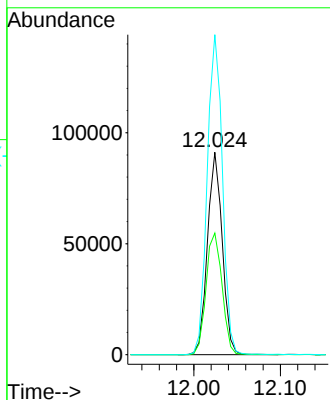
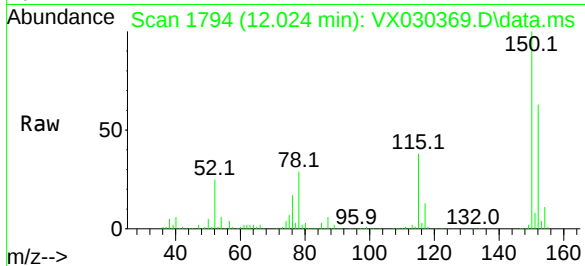




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

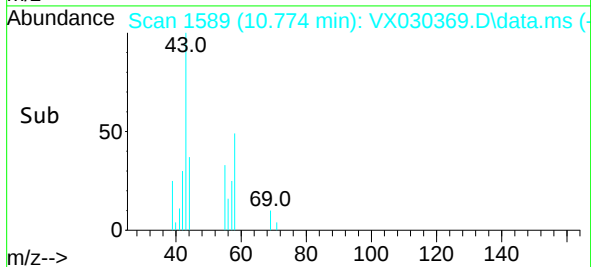
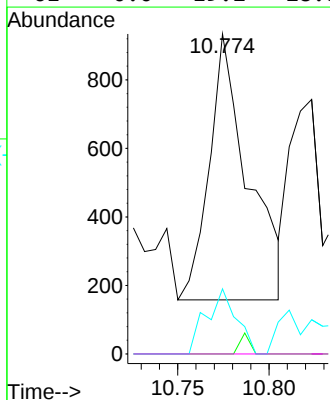
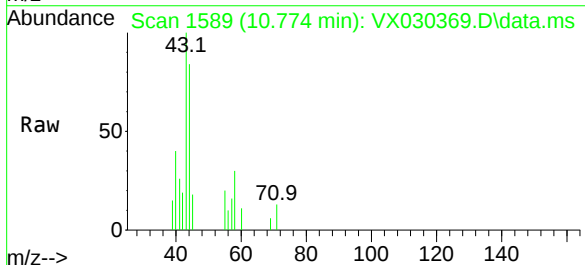
Instrument :
MSVOA_X
ClientSampleId :
TP1-0729

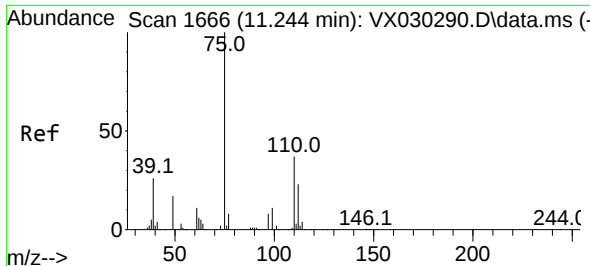
Tgt Ion:152 Resp: 108533
Ion Ratio Lower Upper
152 100
115 64.9 40.5 121.5
150 162.0 0.0 347.0



#74
N-ethyl acetate
Concen: 0.277 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 19.3 18.4 27.6
61 0.0 19.2 28.8#

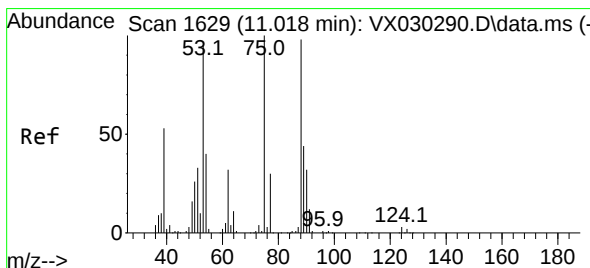
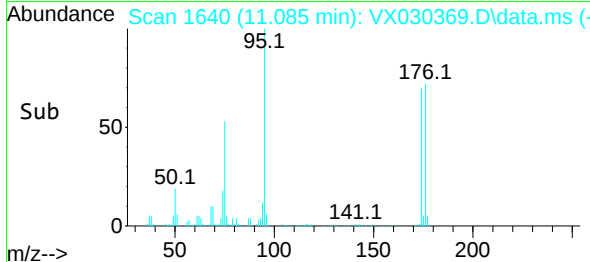
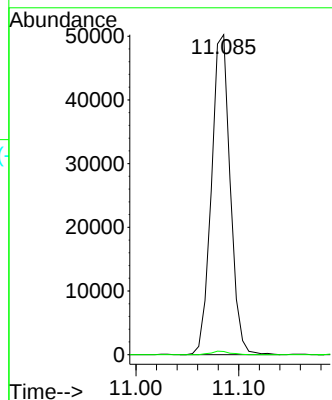
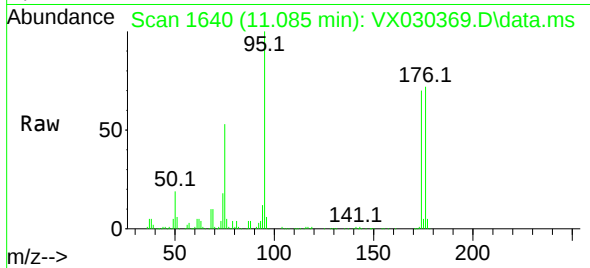




#76
1,2,3-Trichloropropane
Concen: 22.321 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

Instrument :
MSVOA_X
ClientSampleId :
TP1-0729

Tgt Ion: 75 Resp: 63857
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.961 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030369.D
Acq: 03 Aug 2022 14:36

Tgt Ion: 75 Resp: 63857
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

