

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031117.D
 Acq On : 04 Sep 2022 05:31
 Operator : JC/MD
 Sample : N4479-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-10

Quant Time: Sep 06 01:31:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

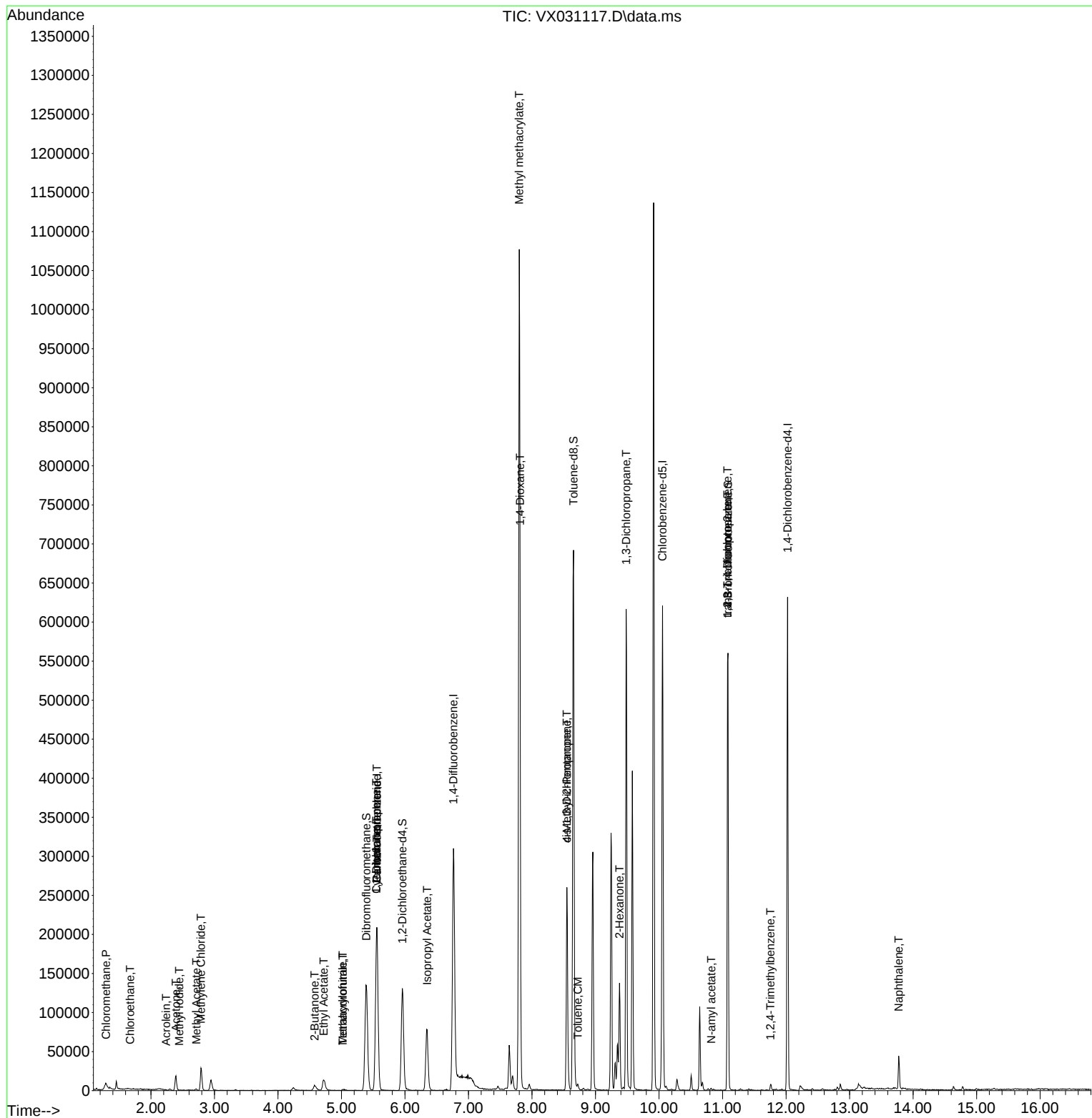
Internal Standards						
1) Pentafluorobenzene	5.556	168	212634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	332272	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	303338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	130749	47.789	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.580%
35) Dibromofluoromethane	5.391	113	122866	50.670	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.340%
50) Toluene-d8	8.653	98	439971	49.301	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.600%
62) 4-Bromofluorobenzene	11.085	95	153699	48.763	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.520%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	499	0.936	ug/l #	42
6) Chloroethane	1.672	64	147	1.825	ug/l #	41
10) Methyl Iodide	2.447	142	315	3.029	ug/l #	77
11) Tert butyl alcohol	2.947	59	8426	Below Cal	#	77
13) Acrolein	2.239	56	196	0.391	ug/l	86
16) Acetone	2.392	43	20341	19.258	ug/l	98
18) Methyl Acetate	2.715	43	2243	0.739	ug/l	93
20) Methylene Chloride	2.788	84	14976	3.803	ug/l #	86
25) 2-Butanone	4.574	43	6941	4.257	ug/l #	79
29) Tetrahydrofuran	5.019	42	353	0.336	ug/l #	1
31) Cyclohexane	5.550	56	3334	0.892	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	14046	4.136	ug/l #	45
37) Ethyl Acetate	4.721	43	24108	8.169	ug/l #	93
38) Carbon Tetrachloride	5.556	117	19509	5.534	ug/l #	17
41) Methacrylonitrile	5.019	41	418	0.266	ug/l #	44
43) Isopropyl Acetate	6.348	43	101620	22.033	ug/l #	90
48) Methyl methacrylate	7.799	41	89035	38.238	ug/l #	41
49) 1,4-Dioxane	7.812	88	170	2.400	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	80165	27.038	ug/l #	51
52) Toluene	8.720	92	2337	0.370	ug/l	99
54) cis-1,3-Dichloropropene	8.549	75	46761	12.084	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	5241	1.233	ug/l #	42
59) 2-Hexanone	9.378	43	90976	40.576	ug/l #	24
74) N-amyl acetate	10.823	43	713	0.211	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	69848	21.318	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	69848	66.996	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.756	105	2126	0.227	ug/l #	64
95) Naphthalene	13.774	128	29021	2.310	ug/l	99

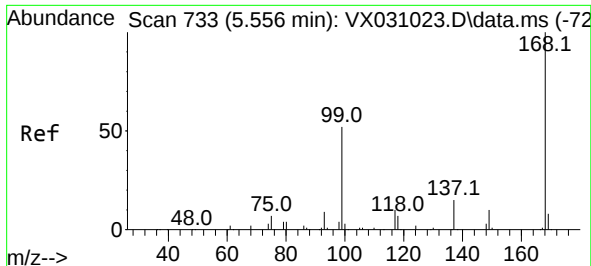
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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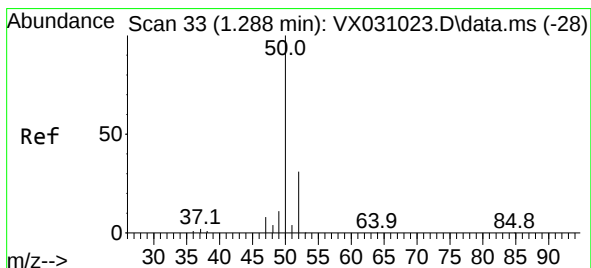
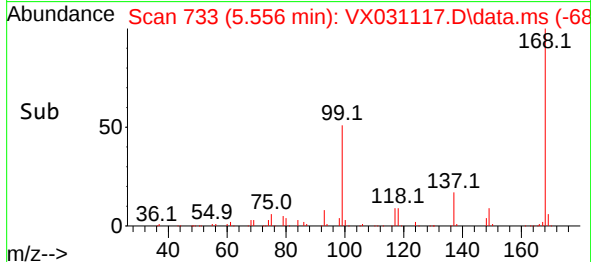
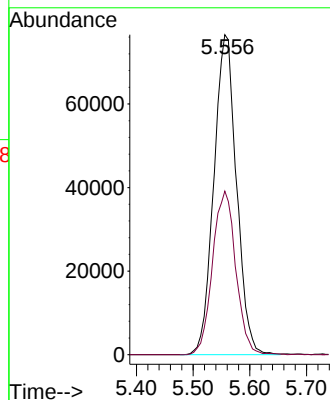
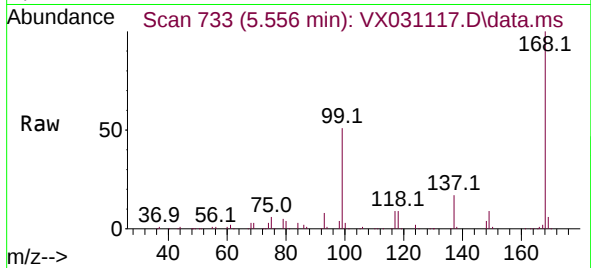




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

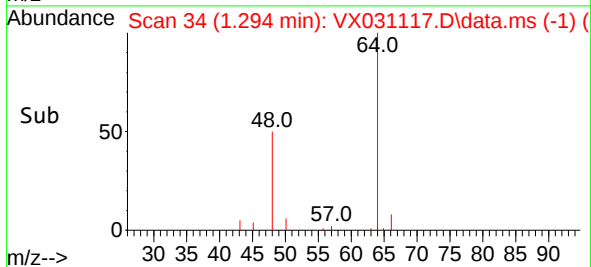
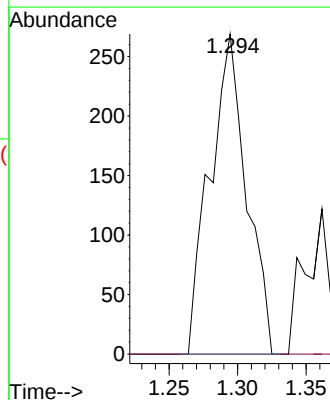
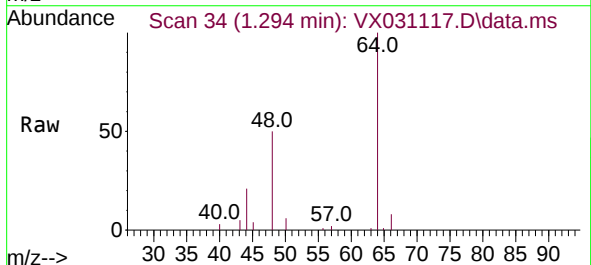
Instrument :
MSVOA_X
ClientSampleId :
SB-10

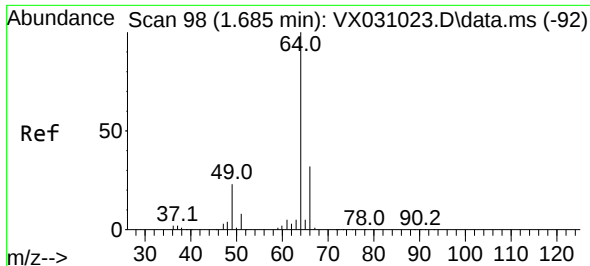
Tgt Ion:168 Resp: 212634
Ion Ratio Lower Upper
168 100
99 51.1 44.0 66.0



#3
Chloromethane
Concen: 0.936 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

Tgt Ion: 50 Resp: 499
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

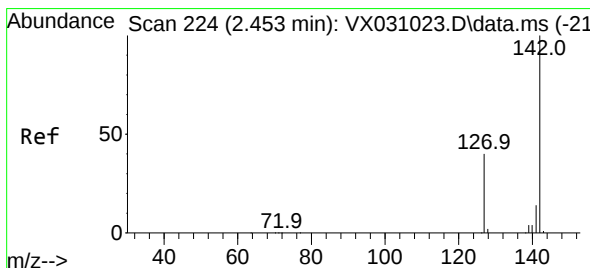
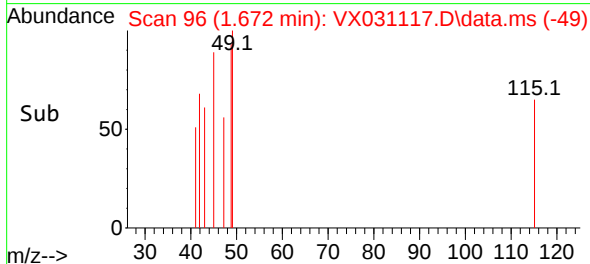
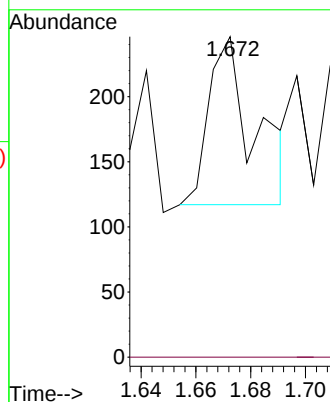
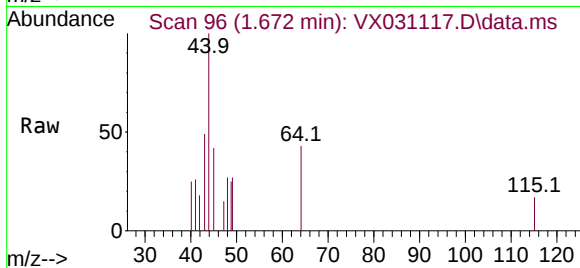




#6
Chloroethane
Concen: 1.825 ug/l
RT: 1.672 min Scan# 90
Delta R.T. -0.013 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

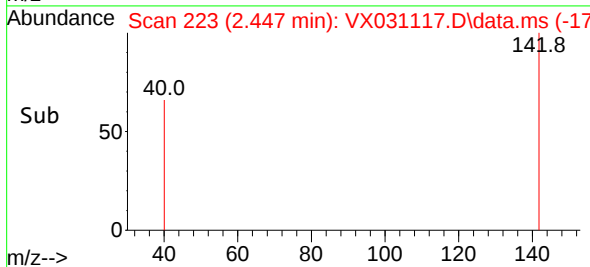
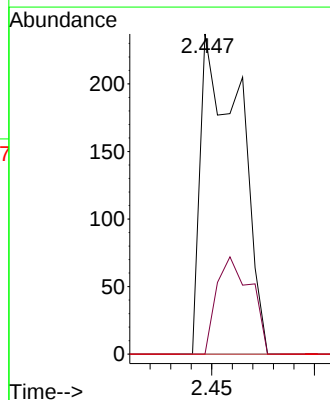
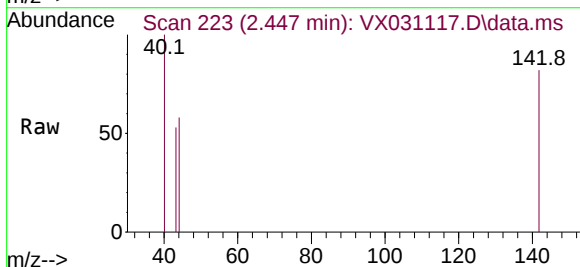
Instrument :
MSVOA_X
ClientSampleId :
SB-10

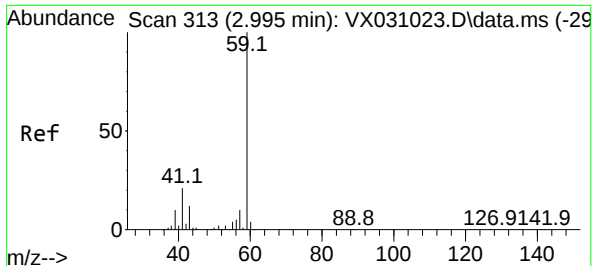
Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 3.029 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

Tgt Ion: 142 Resp: 315
Ion Ratio Lower Upper
142 100
127 26.3 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.042 min

Lab File: VX031117.D

Acq: 04 Sep 2022 05:31

Instrument :

MSVOA_X

ClientSampleId :

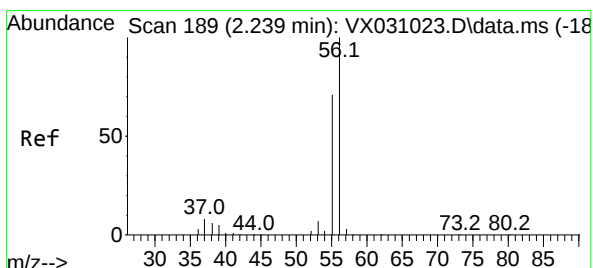
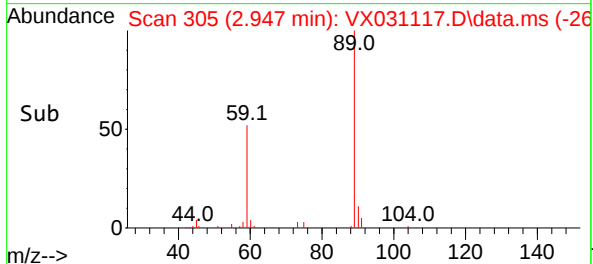
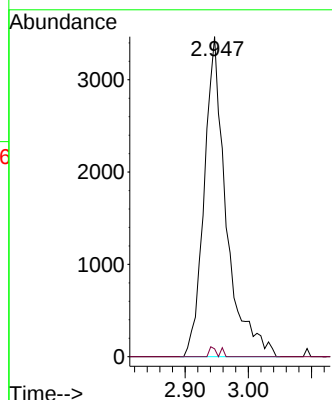
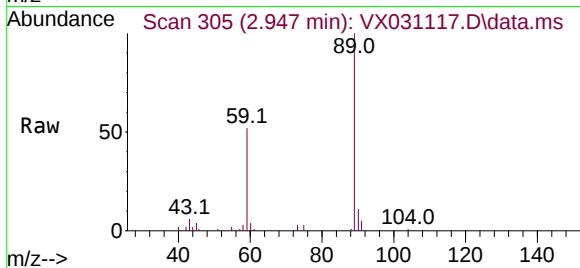
SB-10

Tgt Ion: 59 Resp: 8426

Ion Ratio Lower Upper

59 100

57 0.8 7.4 11.2#



#13

Acrolein

Concen: 0.391 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX031117.D

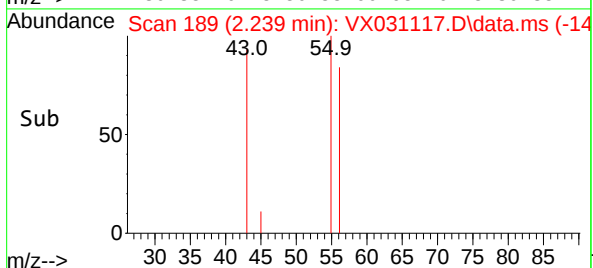
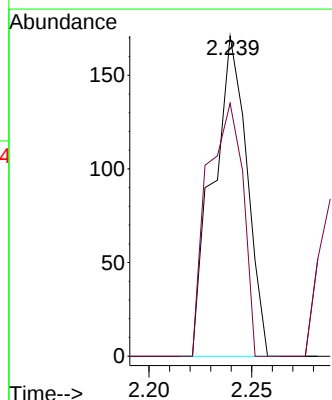
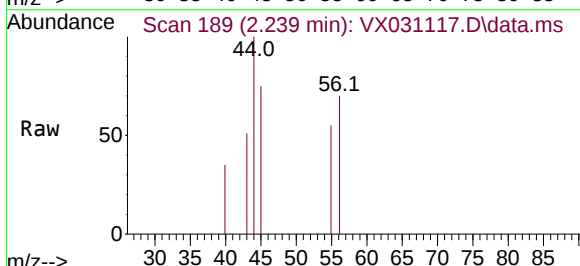
Acq: 04 Sep 2022 05:31

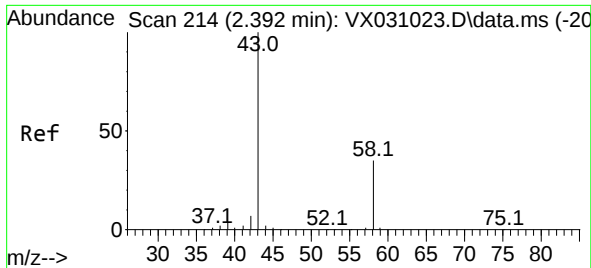
Tgt Ion: 56 Resp: 196

Ion Ratio Lower Upper

56 100

55 82.7 56.6 84.8

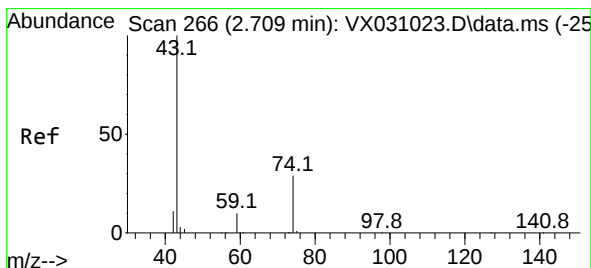
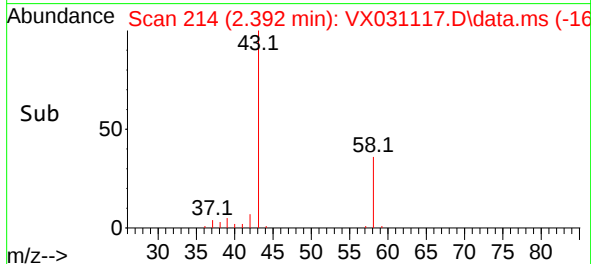
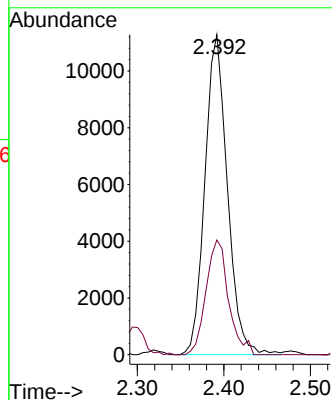
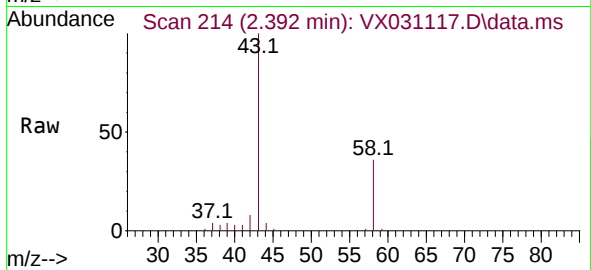




#16
Acetone
Concen: 19.258 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

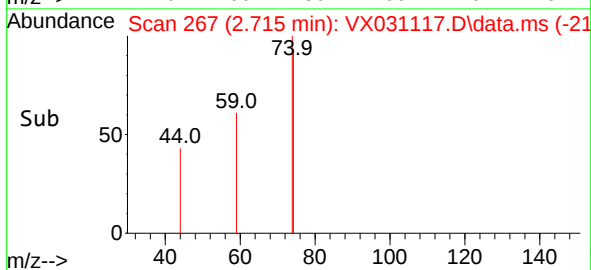
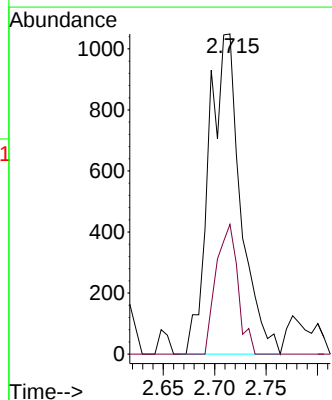
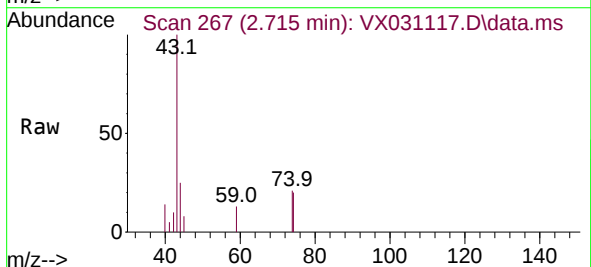
Instrument :
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ClientSampleId :
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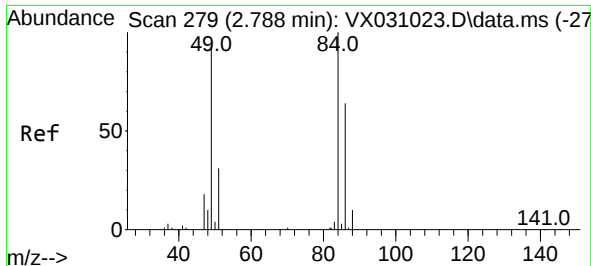
Tgt Ion: 43 Resp: 20341
Ion Ratio Lower Upper
43 100
58 35.8 27.7 41.5



#18
Methyl Acetate
Concen: 0.739 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

Tgt Ion: 43 Resp: 2243
Ion Ratio Lower Upper
43 100
74 27.9 19.4 29.2

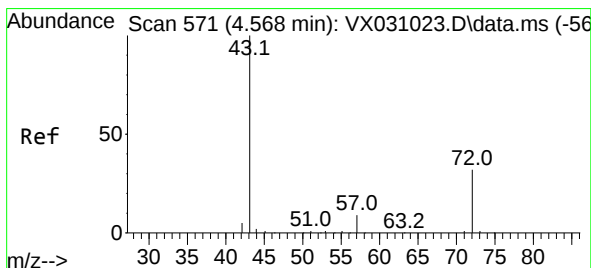
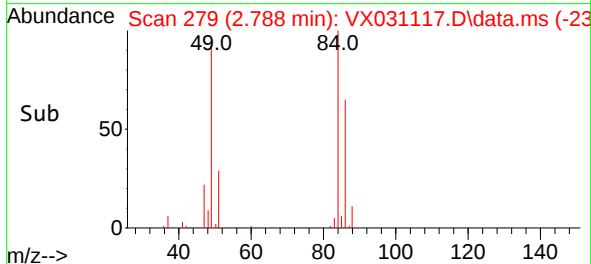
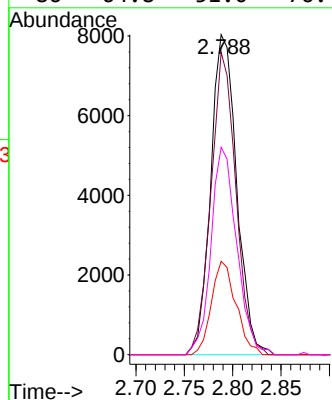
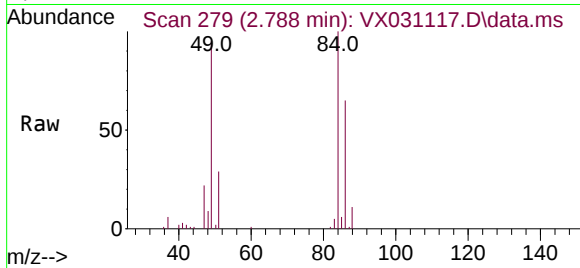




#20
Methylene Chloride
Concen: 3.803 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

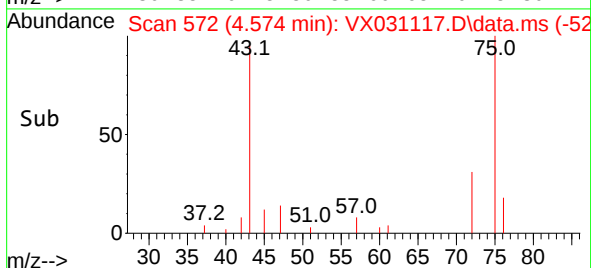
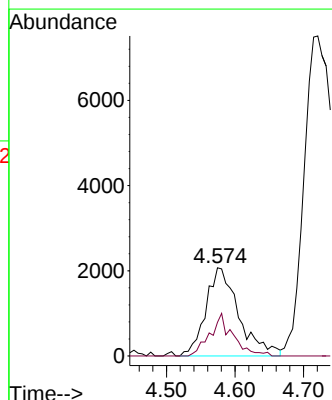
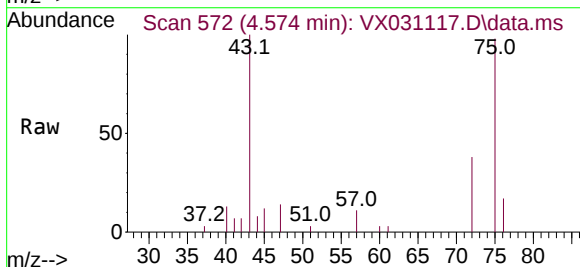
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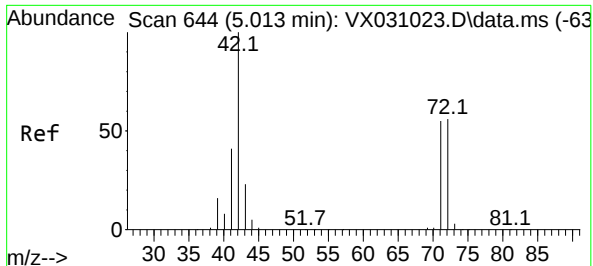
Tgt Ion:	84	Resp:	14976
Ion	Ratio	Lower	Upper
84	100		
49	94.5	93.8	140.6
51	29.2	29.4	44.0#
86	64.8	51.0	76.4



#25
2-Butanone
Concen: 4.257 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

Tgt Ion:	43	Resp:	6941
Ion	Ratio	Lower	Upper
43	100		
72	38.1	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.336 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX031117.D

Acq: 04 Sep 2022 05:31

Instrument :

MSVOA_X

ClientSampleId :

SB-10

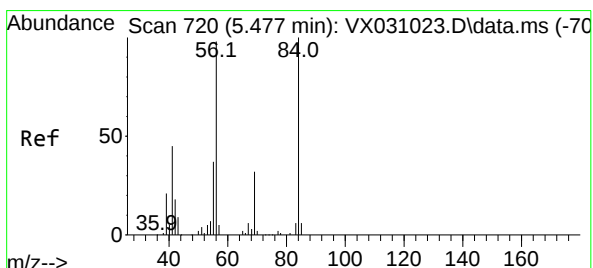
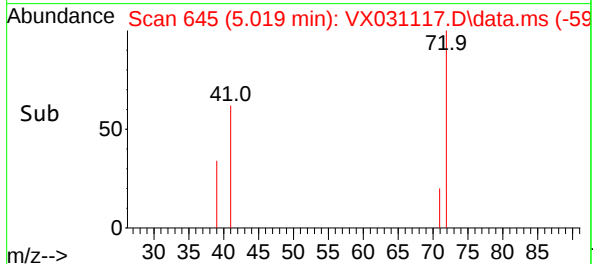
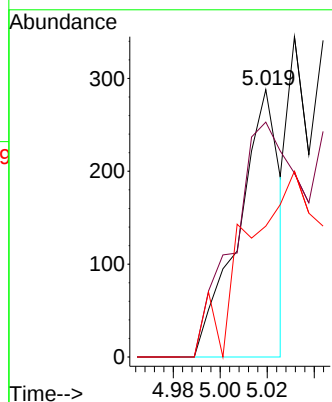
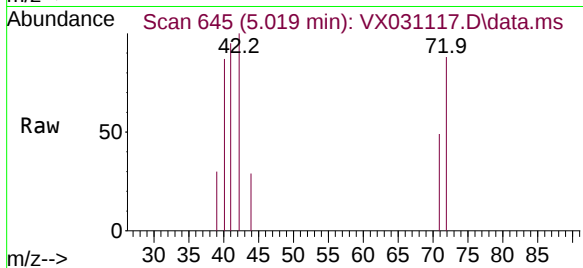
Tgt Ion: 42 Resp: 353

Ion Ratio Lower Upper

42 100

72 216.1 36.5 54.7#

71 0.0 33.9 50.9#



#31

Cyclohexane

Concen: 0.892 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX031117.D

Acq: 04 Sep 2022 05:31

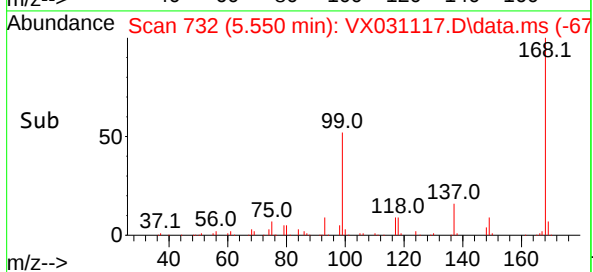
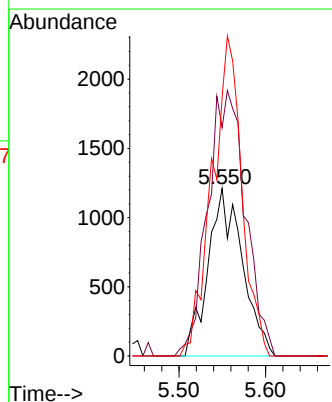
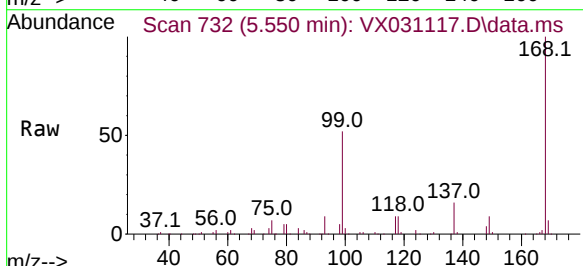
Tgt Ion: 56 Resp: 3334

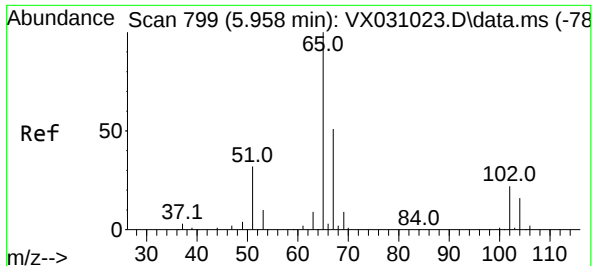
Ion Ratio Lower Upper

56 100

69 136.4 25.4 38.0#

84 154.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 47.789 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031117.D

Acq: 04 Sep 2022 05:31

Instrument :

MSVOA_X

ClientSampleId :

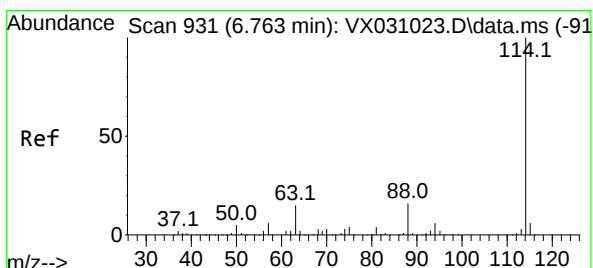
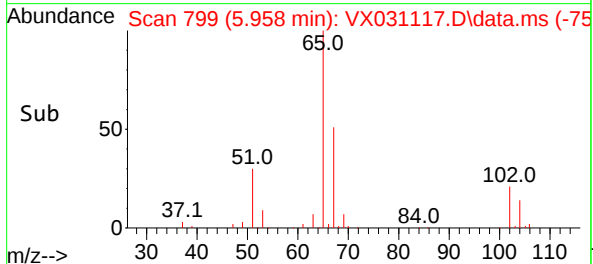
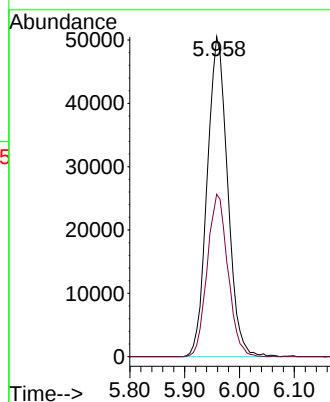
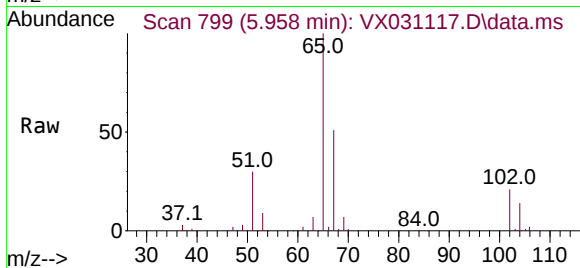
SB-10

Tgt Ion: 65 Resp: 130749

Ion Ratio Lower Upper

65 100

67 51.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX031117.D

Acq: 04 Sep 2022 05:31

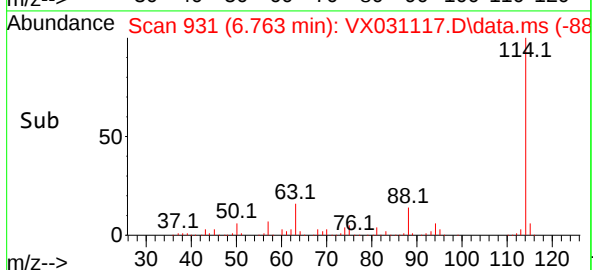
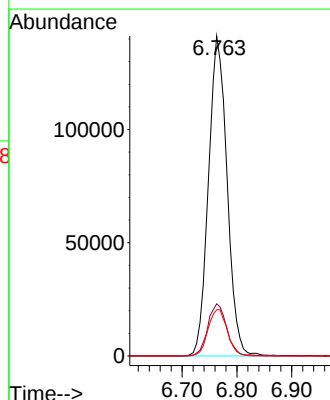
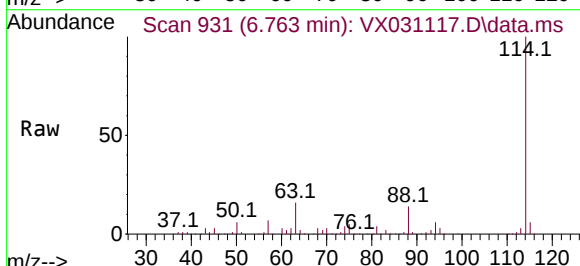
Tgt Ion: 114 Resp: 332272

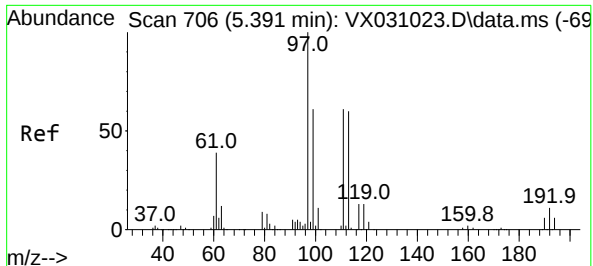
Ion Ratio Lower Upper

114 100

63 16.3 0.0 38.4

88 14.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.670 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031117.D

Acq: 04 Sep 2022 05:31

Instrument :

MSVOA_X

ClientSampleId :

SB-10

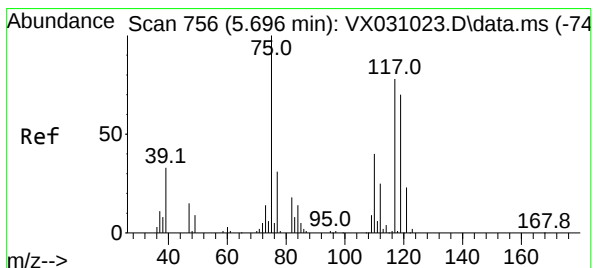
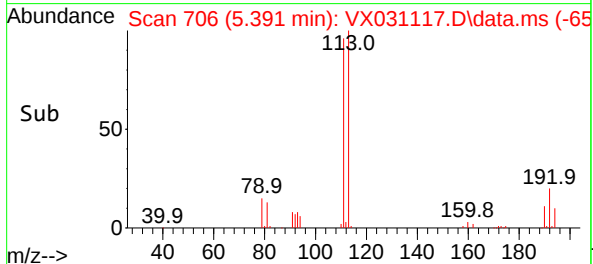
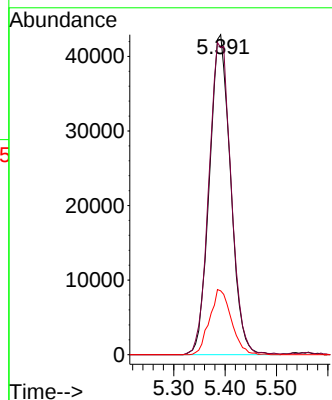
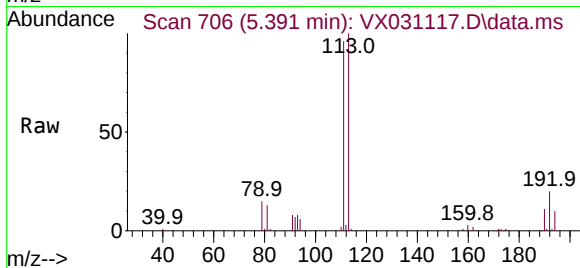
Tgt Ion:113 Resp: 122866

Ion Ratio Lower Upper

113 100

111 102.4 83.2 124.8

192 20.9 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.136 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX031117.D

Acq: 04 Sep 2022 05:31

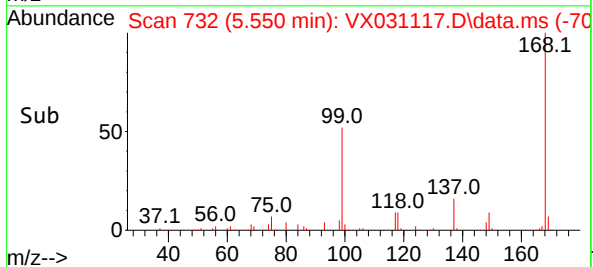
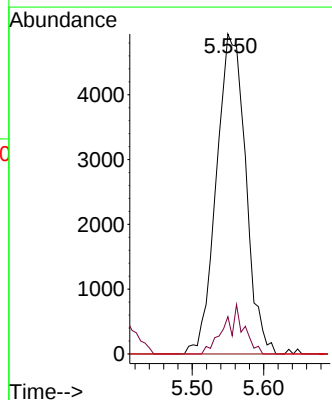
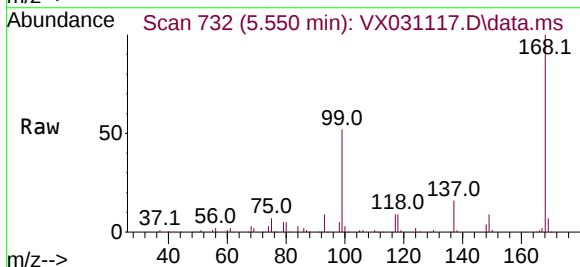
Tgt Ion: 75 Resp: 14046

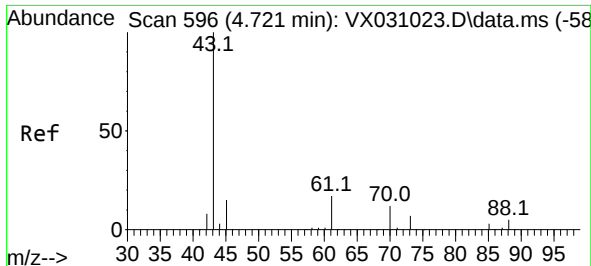
Ion Ratio Lower Upper

75 100

110 5.1 19.3 57.9#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 8.169 ug/l

RT: 4.721 min Scan# 596

Delta R.T. -0.000 min

Lab File: VX031117.D

Acq: 04 Sep 2022 05:31

Instrument :

MSVOA_X

ClientSampleId :

SB-10

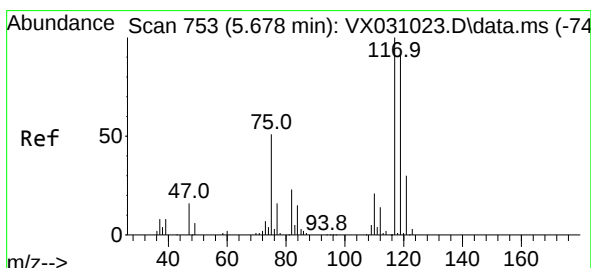
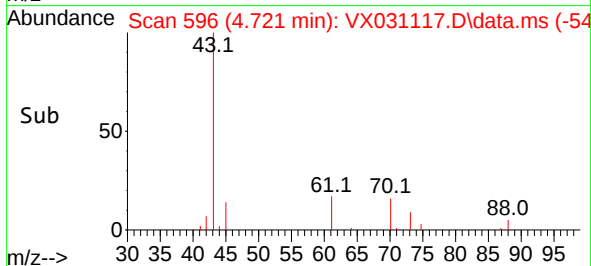
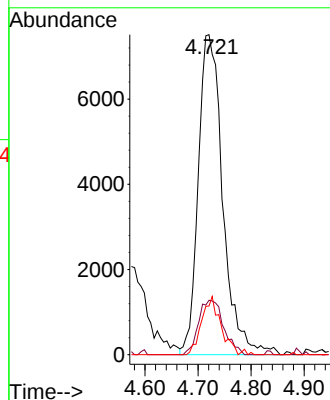
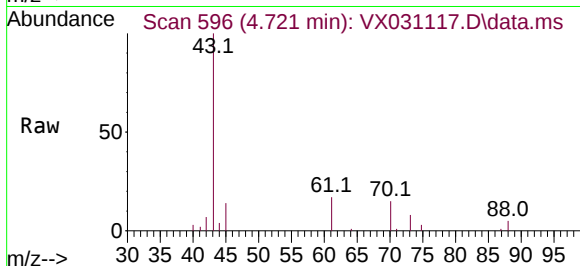
Tgt Ion: 43 Resp: 24108

Ion Ratio Lower Upper

43 100

61 17.4 11.7 17.5

70 14.2 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 5.534 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX031117.D

Acq: 04 Sep 2022 05:31

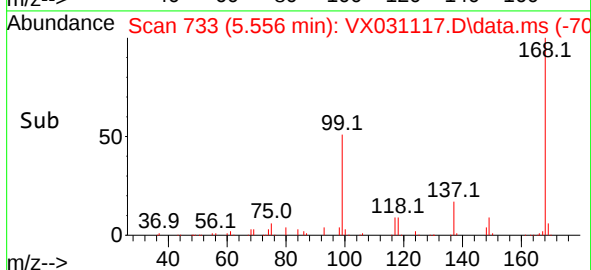
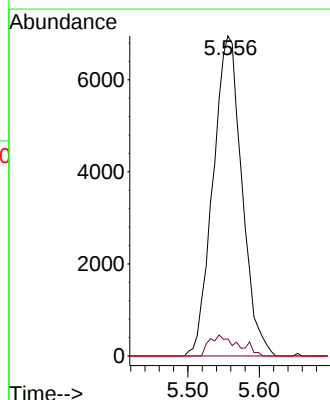
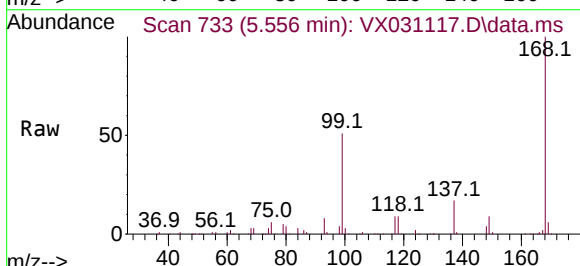
Tgt Ion: 117 Resp: 19509

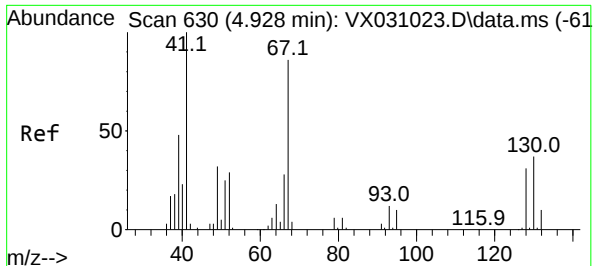
Ion Ratio Lower Upper

117 100

119 5.3 74.1 111.1#

121 0.0 25.8 38.8#

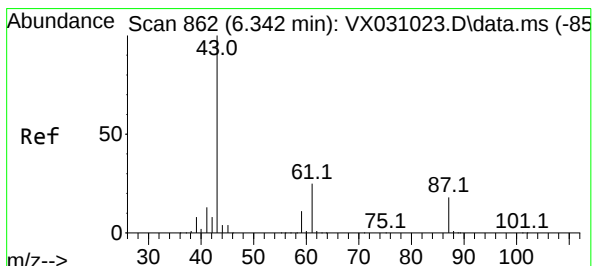
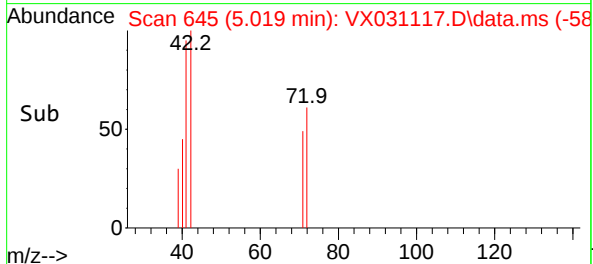
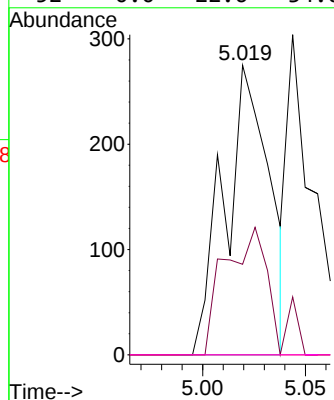
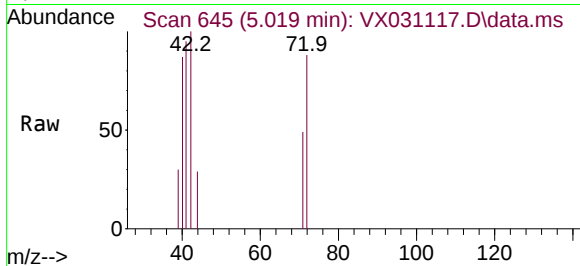




#41
Methacrylonitrile
Concen: 0.266 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.091 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

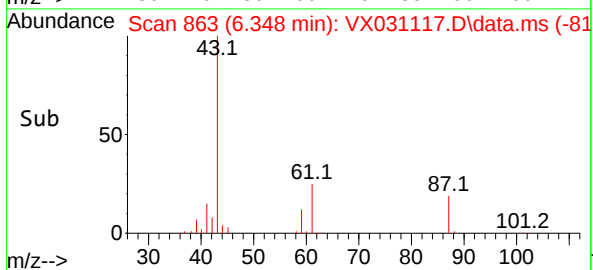
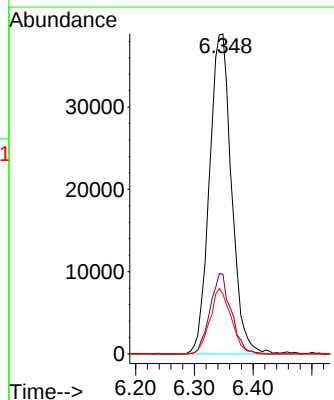
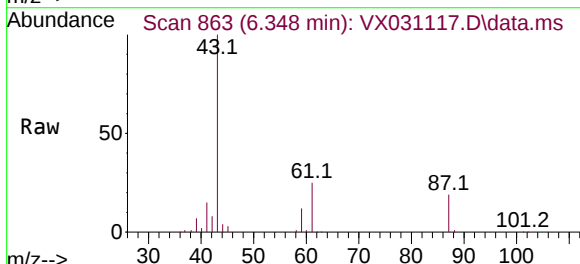
Instrument :
MSVOA_X
ClientSampleId :
SB-10

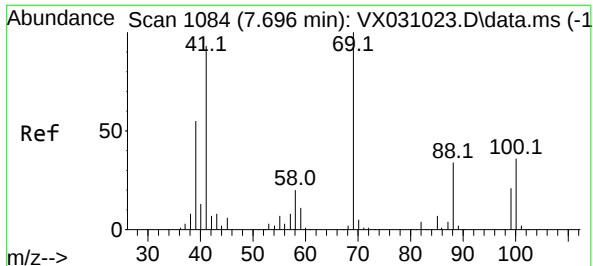
Tgt Ion:	41	Resp:	418
Ion	Ratio	Lower	Upper
41	100		
39	45.7	42.9	64.3
67	0.0	60.1	90.1#
52	0.0	22.6	34.0#



#43
Isopropyl Acetate
Concen: 22.033 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

Tgt Ion:	43	Resp:	101620
Ion	Ratio	Lower	Upper
43	100		
61	24.0	16.5	24.7
87	19.6	11.1	16.7#





#48

Methyl methacrylate

Concen: 38.238 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX031117.D

Acq: 04 Sep 2022 05:31

Instrument :

MSVOA_X

ClientSampleId :

SB-10

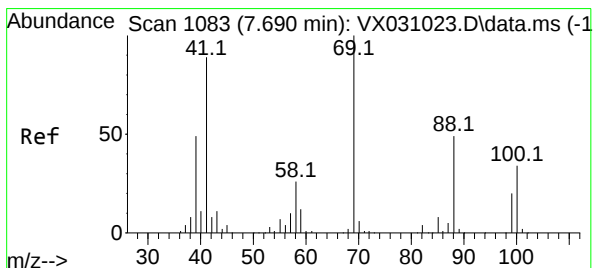
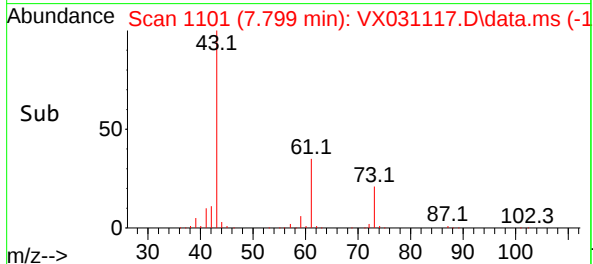
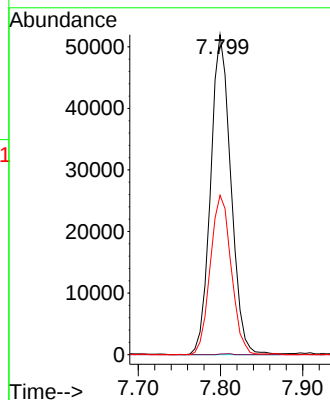
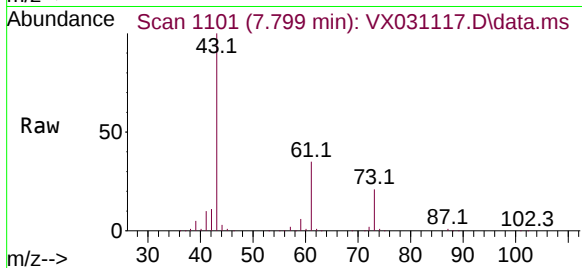
Tgt Ion: 41 Resp: 89035

Ion Ratio Lower Upper

41 100

69 0.2 68.8 103.2#

39 51.3 44.6 66.8



#49

1,4-Dioxane

Concen: 2.400 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.135 min

Lab File: VX031117.D

Acq: 04 Sep 2022 05:31

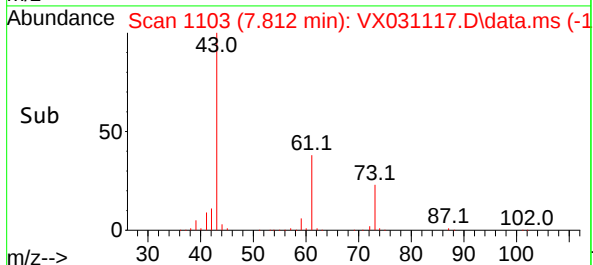
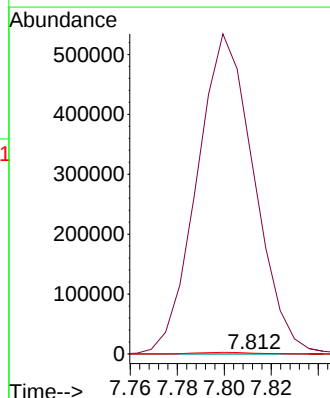
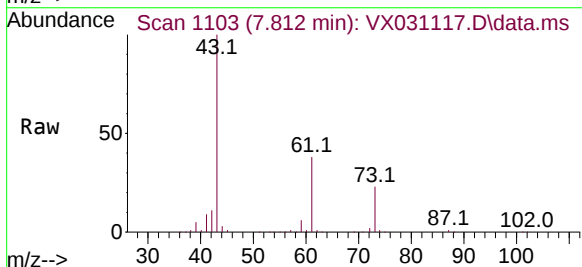
Tgt Ion: 88 Resp: 170

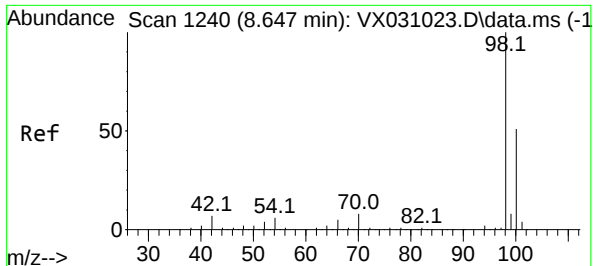
Ion Ratio Lower Upper

88 100

43 535147.1 23.8 35.8#

58 2602.9 53.8 80.6#

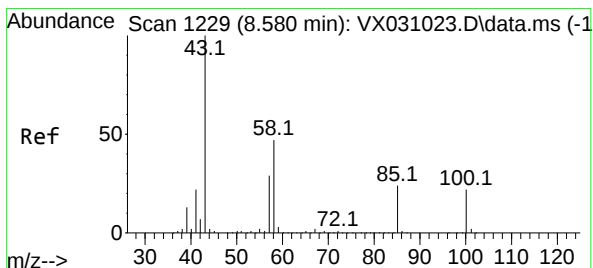
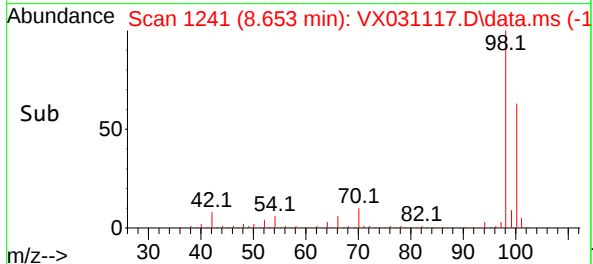
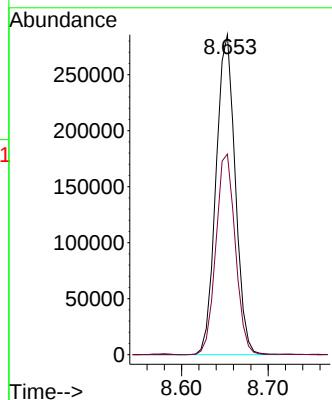
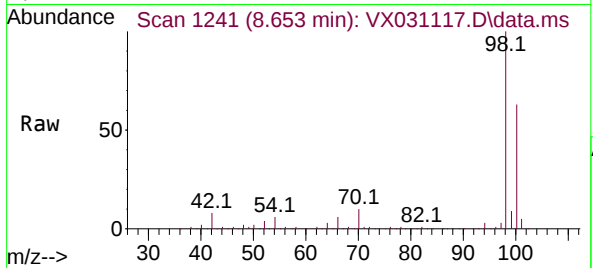




#50
Toluene-d8
Concen: 49.301 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

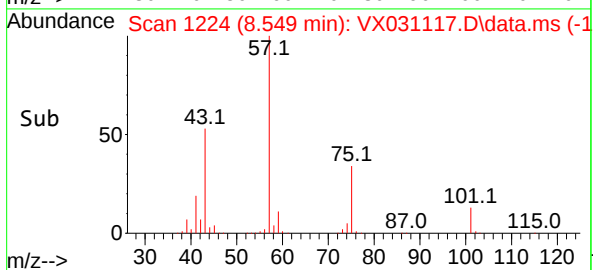
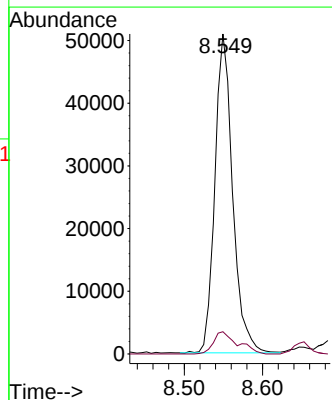
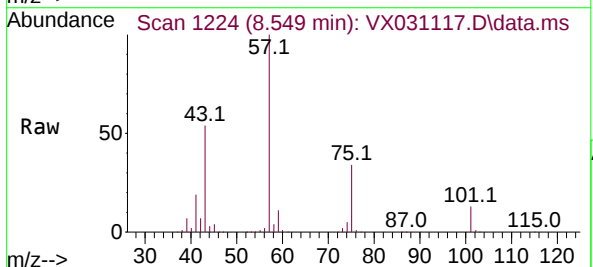
Instrument :
MSVOA_X
ClientSampleId :
SB-10

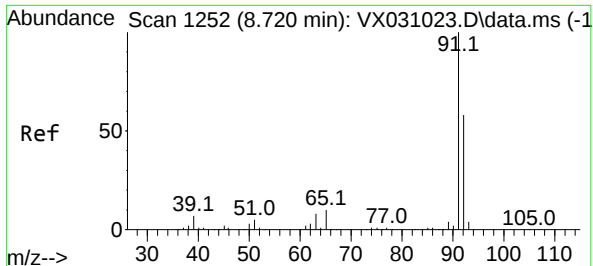
Tgt Ion: 98 Resp: 439971
Ion Ratio Lower Upper
98 100
100 63.3 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 27.038 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

Tgt Ion: 43 Resp: 80165
Ion Ratio Lower Upper
43 100
58 9.4 31.4 47.2#

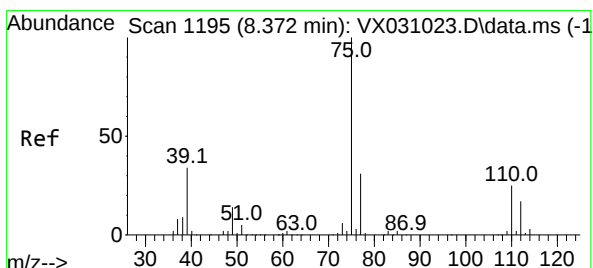
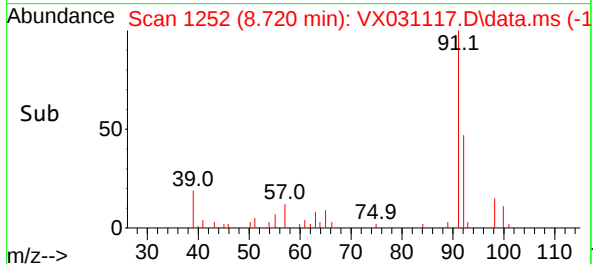
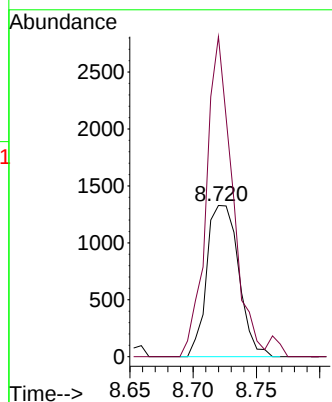
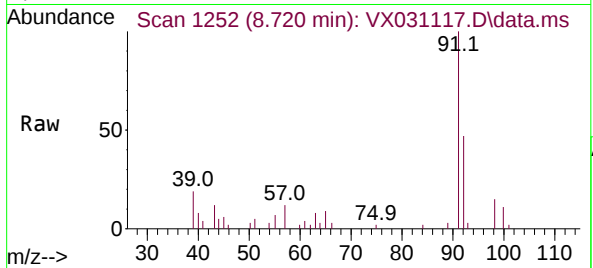




#52
Toluene
Concen: 0.370 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

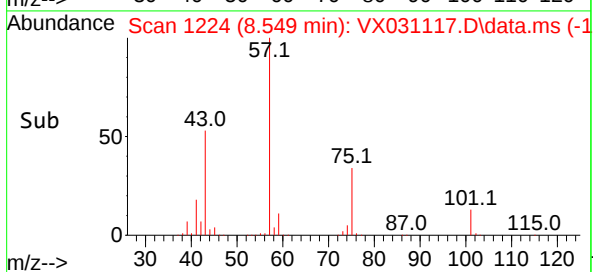
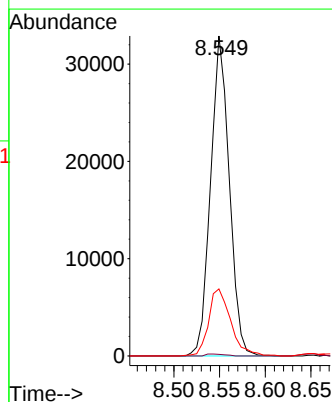
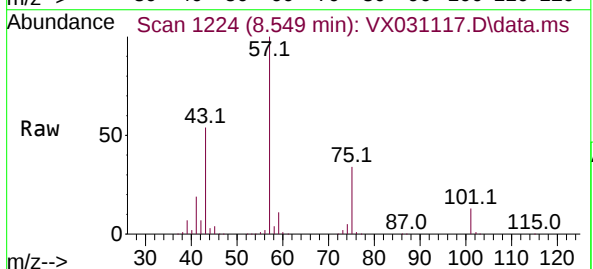
Instrument :
MSVOA_X
ClientSampleId :
SB-10

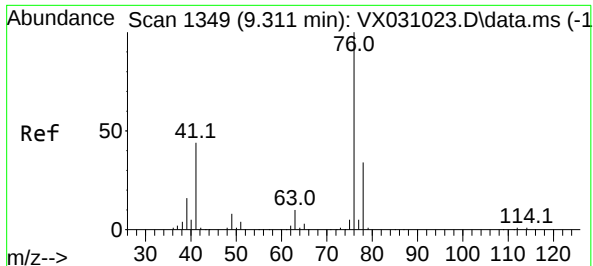
Tgt Ion: 92 Resp: 2337
Ion Ratio Lower Upper
92 100
91 173.3 139.2 208.8



#54
cis-1,3-Dichloropropene
Concen: 12.084 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

Tgt Ion: 75 Resp: 46761
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 20.9 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 1.233 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX031117.D

Acq: 04 Sep 2022 05:31

Instrument :

MSVOA_X

ClientSampleId :

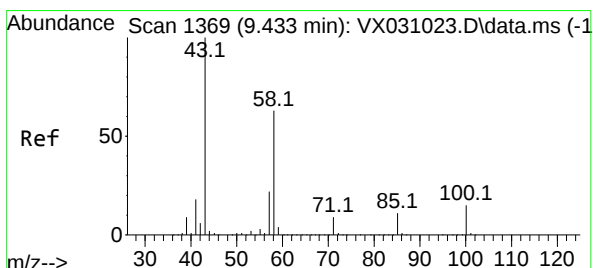
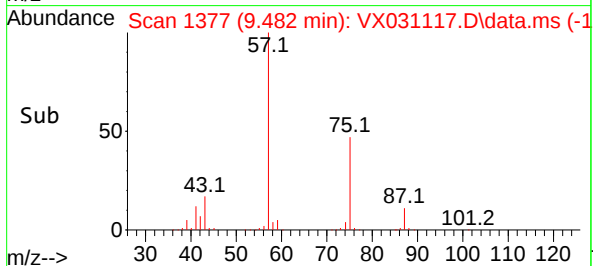
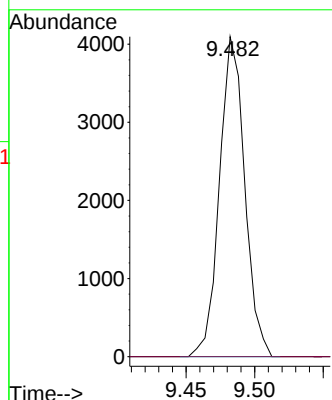
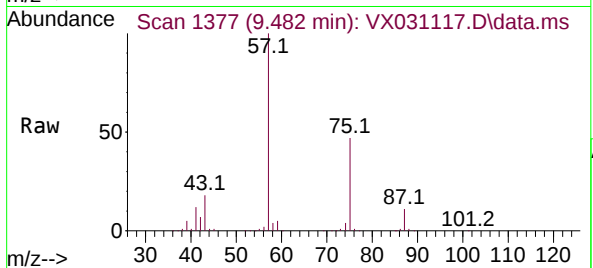
SB-10

Tgt Ion: 76 Resp: 5241

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 40.576 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX031117.D

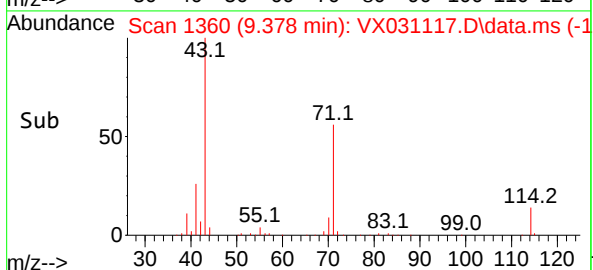
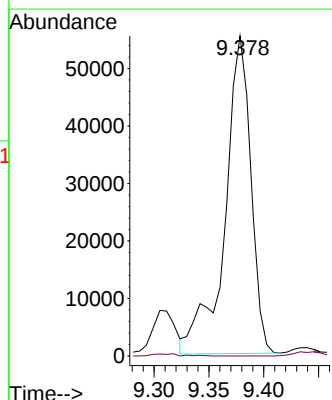
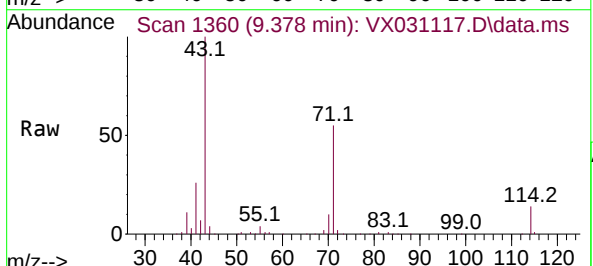
Acq: 04 Sep 2022 05:31

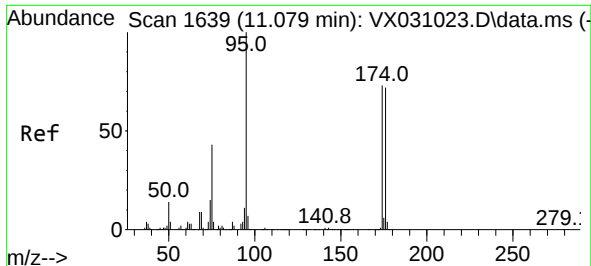
Tgt Ion: 43 Resp: 90976

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#

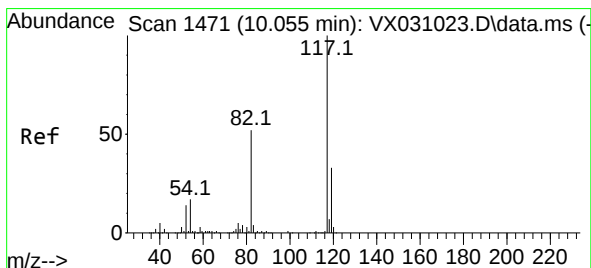
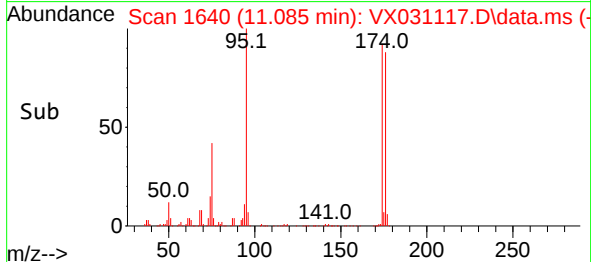
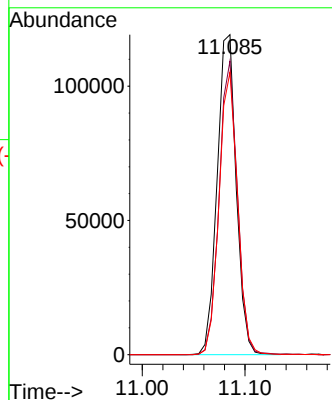
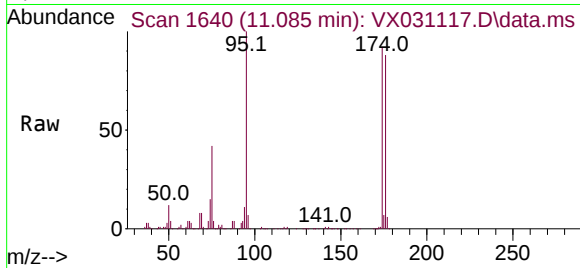




#62
4-Bromofluorobenzene
Concen: 48.763 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

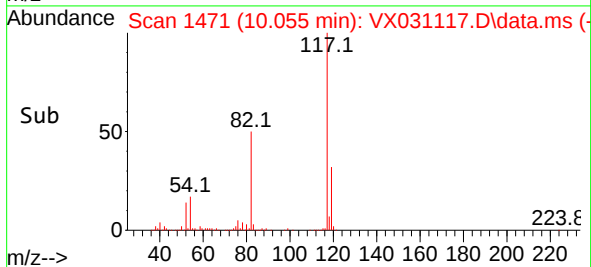
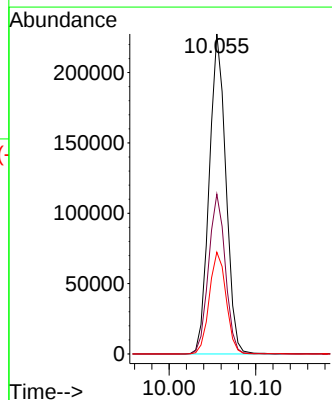
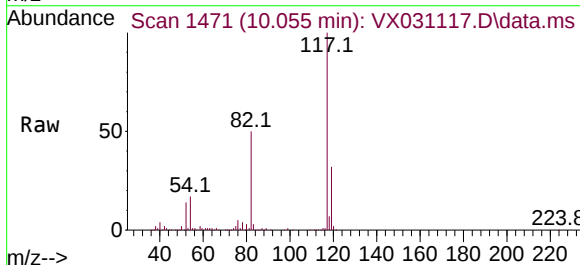
Instrument :
MSVOA_X
ClientSampleId :
SB-10

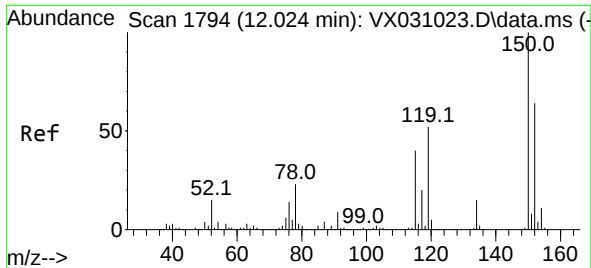
Tgt Ion: 95 Resp: 153699
Ion Ratio Lower Upper
95 100
174 87.9 0.0 149.0
176 85.7 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

Tgt Ion: 117 Resp: 303338
Ion Ratio Lower Upper
117 100
82 50.0 42.7 64.1
119 31.8 25.4 38.2

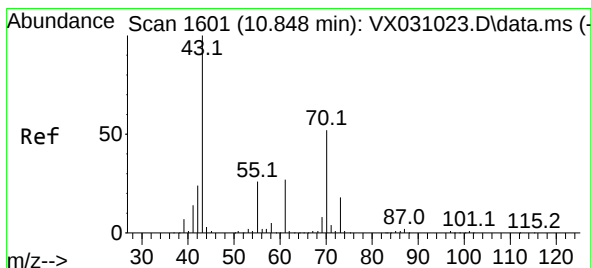
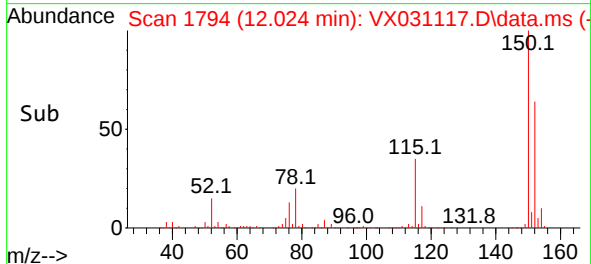
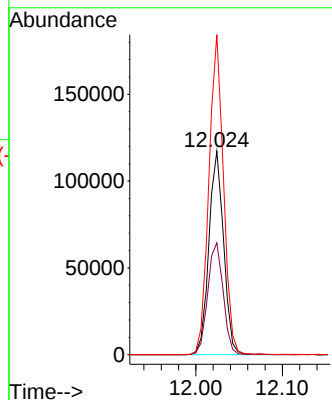
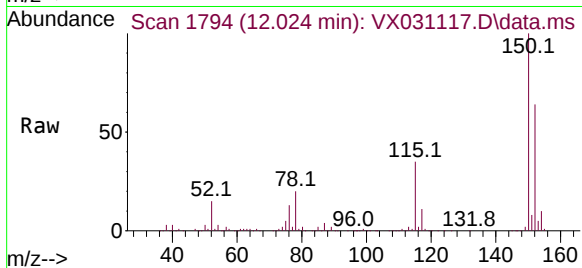




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

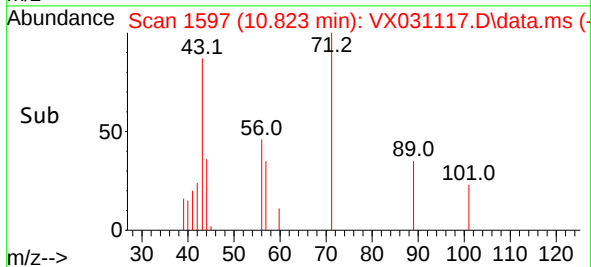
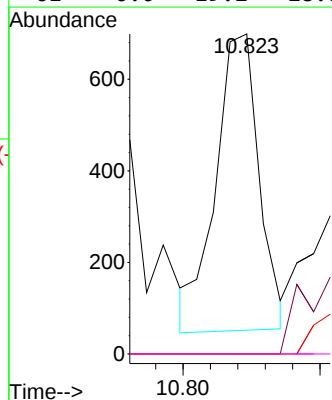
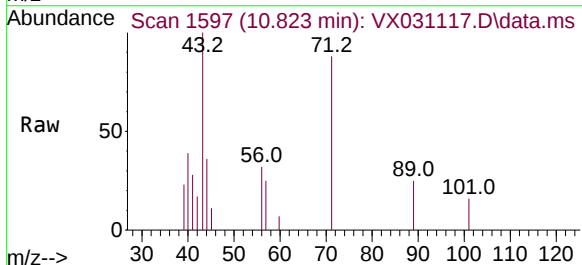
Instrument :
MSVOA_X
ClientSampleId :
SB-10

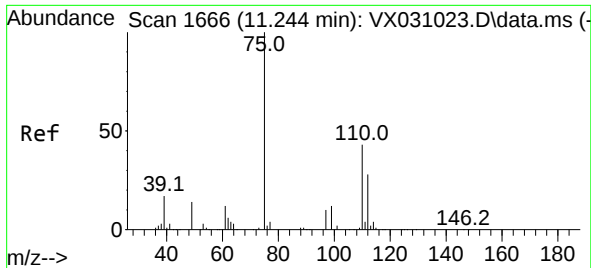
Tgt Ion:152 Resp: 138605
Ion Ratio Lower Upper
152 100
115 57.5 40.5 121.5
150 155.8 0.0 347.0



#74
N-ethyl acetate
Concen: 0.211 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.025 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 0.0 18.4 27.6#
61 0.0 19.2 28.8#

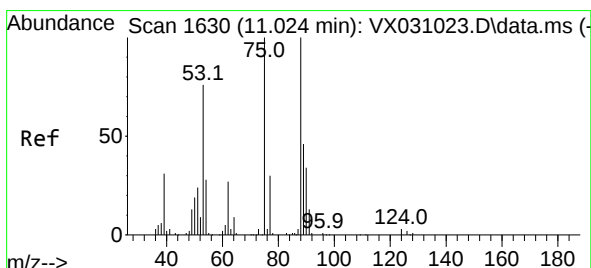
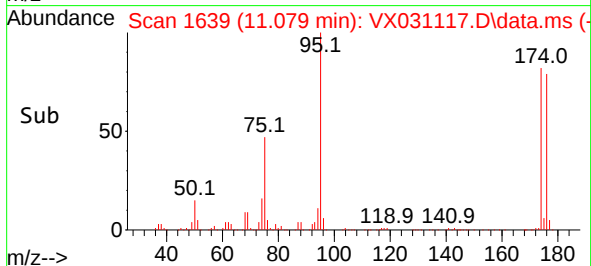
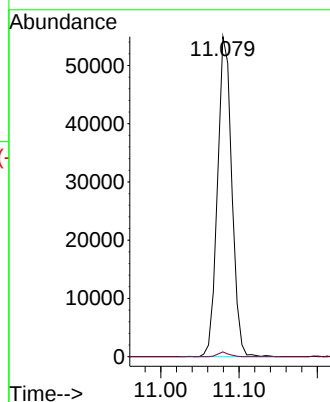
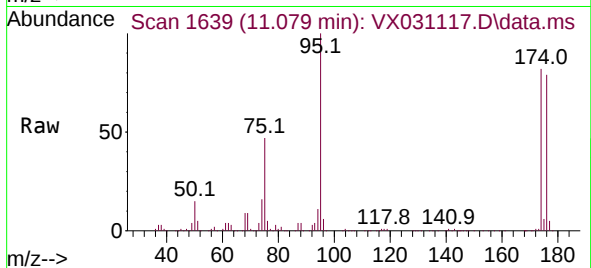




#76
1,2,3-Trichloropropane
Concen: 21.318 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

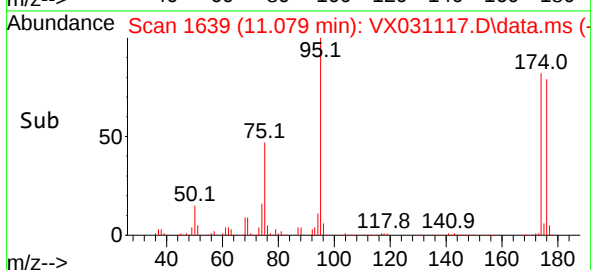
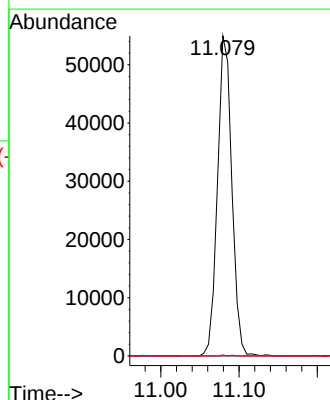
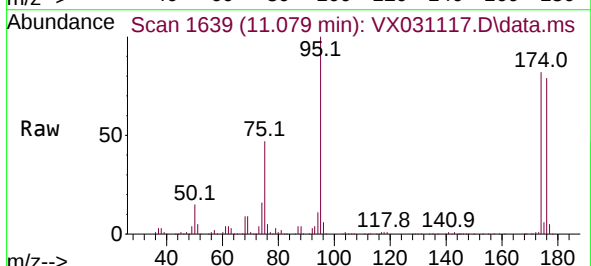
Instrument :
MSVOA_X
ClientSampleId :
SB-10

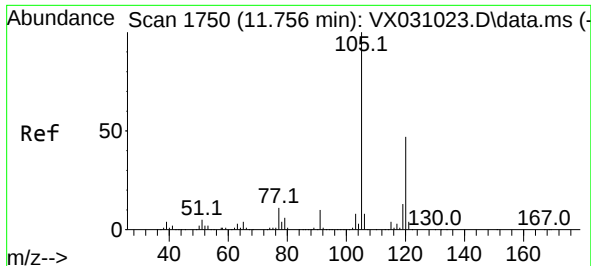
Tgt Ion: 75 Resp: 69848
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.996 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

Tgt Ion: 75 Resp: 69848
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.2 34.8 52.2#

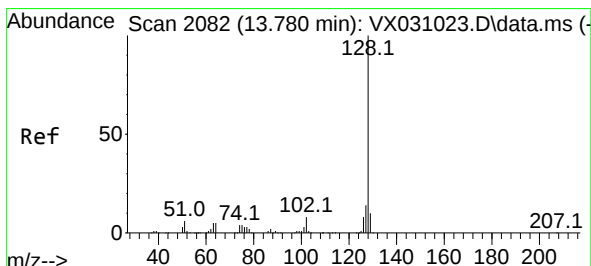
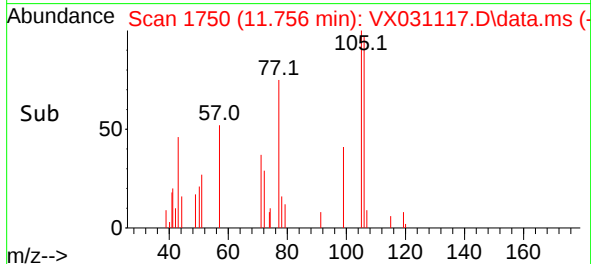
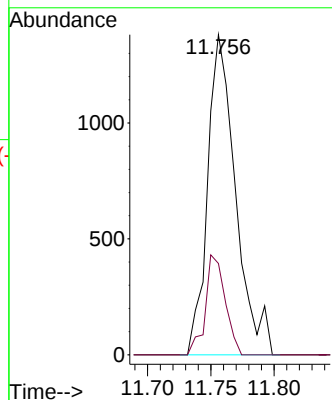
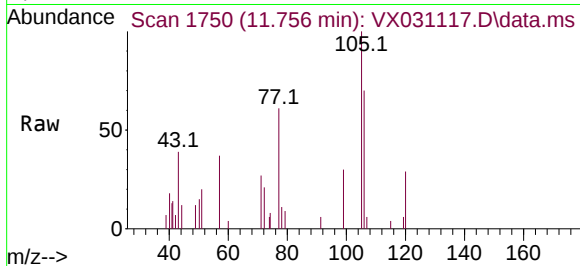




#84
1,2,4-Trimethylbenzene
Concen: 0.227 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

Instrument :
MSVOA_X
ClientSampleId :
SB-10

Tgt Ion:105 Resp: 2126
Ion Ratio Lower Upper
105 100
120 22.0 22.9 68.8#



#95
Naphthalene
Concen: 2.310 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX031117.D
Acq: 04 Sep 2022 05:31

Tgt Ion:128 Resp: 29021
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 10.8 8.6 13.0

