

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090622\
 Data File : VX031143.D
 Acq On : 06 Sep 2022 21:07
 Operator : JC/MD
 Sample : N4479-06RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-13

Quant Time: Sep 07 01:15:12 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)

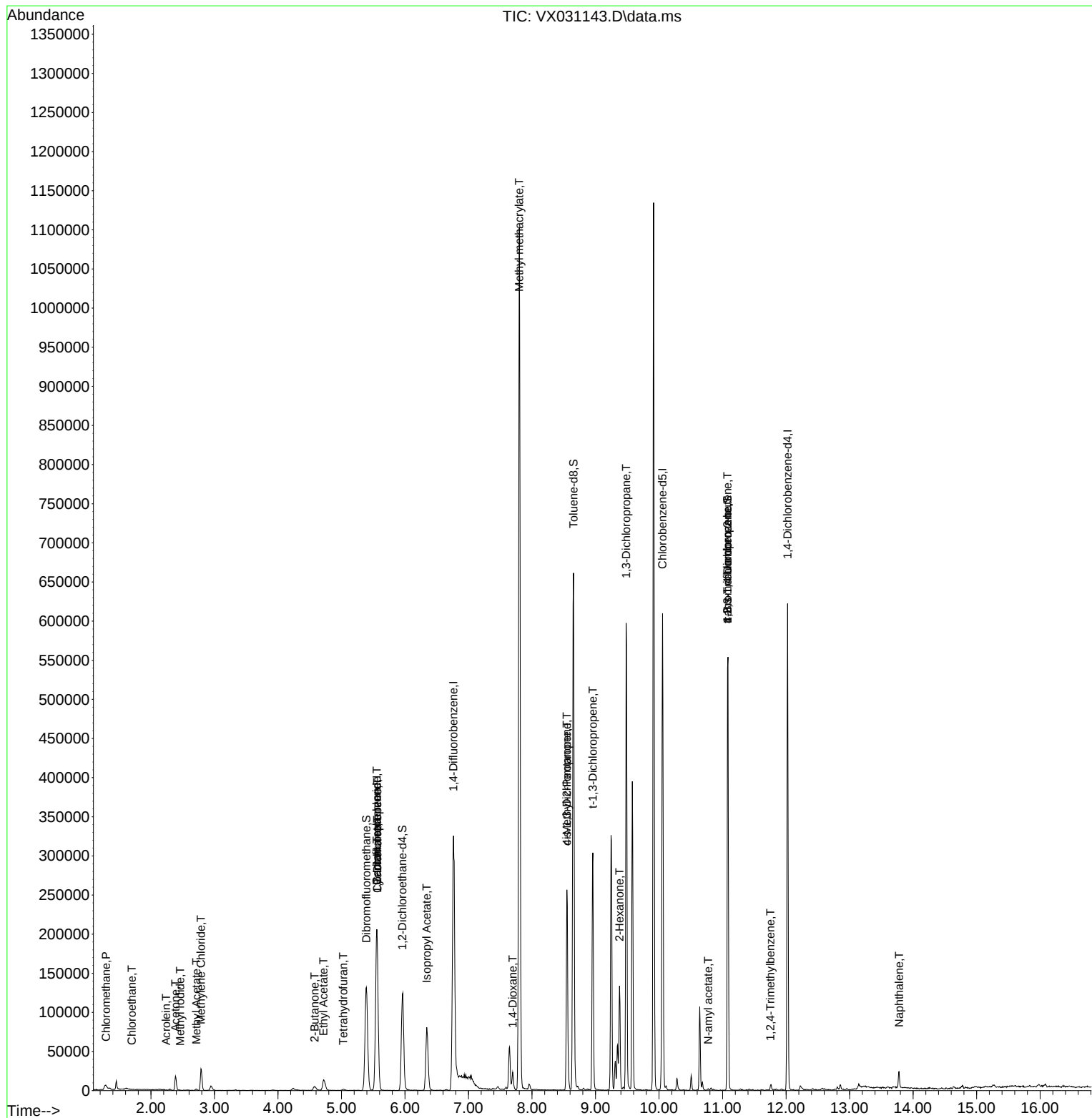
Internal Standards						
1) Pentafluorobenzene	5.556	168	206453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	359681	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	292747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	127220	47.892	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.780%		
35) Dibromofluoromethane	5.391	113	121876	46.432	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.860%		
50) Toluene-d8	8.653	98	426502	44.150	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.300%		
62) 4-Bromofluorobenzene	11.079	95	153639	45.029	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.060%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	372	0.881	ug/l #	42
6) Chloroethane	1.697	64	281	1.906	ug/l #	41
10) Methyl Iodide	2.459	142	195	2.985	ug/l #	58
11) Tert butyl alcohol	2.953	59	4245	Below Cal	#	74
13) Acrolein	2.239	56	151	0.311	ug/l #	64
16) Acetone	2.386	43	19651	19.162	ug/l	92
18) Methyl Acetate	2.715	43	2044	0.694	ug/l	99
20) Methylene Chloride	2.788	84	14668	3.856	ug/l #	76
25) 2-Butanone	4.574	43	6256	3.951	ug/l #	88
29) Tetrahydrofuran	5.025	42	995	0.975	ug/l #	71
31) Cyclohexane	5.562	56	3001	0.827	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	12605	3.428	ug/l #	46
37) Ethyl Acetate	4.714	43	22650	7.090	ug/l #	92
38) Carbon Tetrachloride	5.556	117	19752	5.176	ug/l #	23
43) Isopropyl Acetate	6.342	43	102509	20.532	ug/l #	91
48) Methyl methacrylate	7.799	41	89643	35.566	ug/l #	42
49) 1,4-Dioxane	7.696	88	45	0.587	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	79473	24.762	ug/l #	52
53) t-1,3-Dichloropropene	8.958	75	939	0.251	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	46681	11.144	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	6233	1.355	ug/l #	42
59) 2-Hexanone	9.378	43	90064	37.108	ug/l #	24
74) N-amyl acetate	10.774	43	972	0.287	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	72880	22.157	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	72880	69.633	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.756	105	1982	0.211	ug/l #	49
95) Naphthalene	13.780	128	14610	1.158	ug/l	97

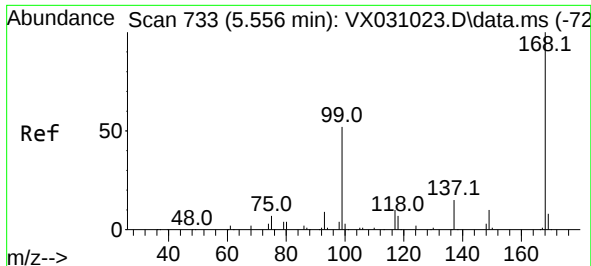
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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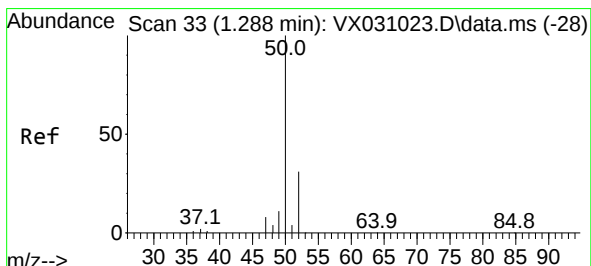
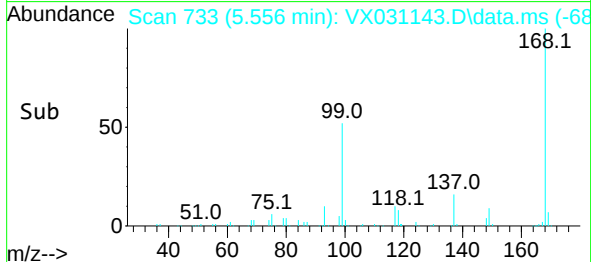
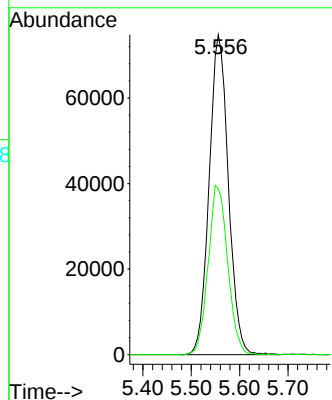
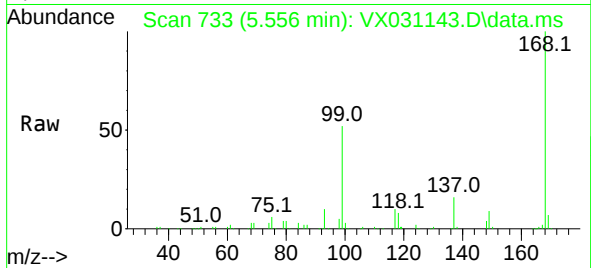




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

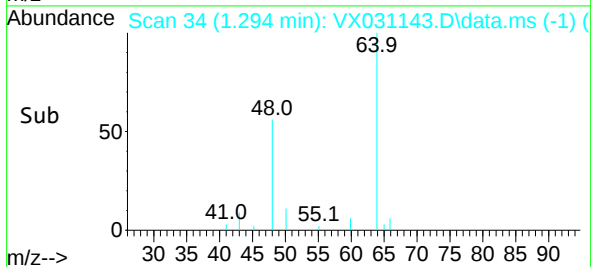
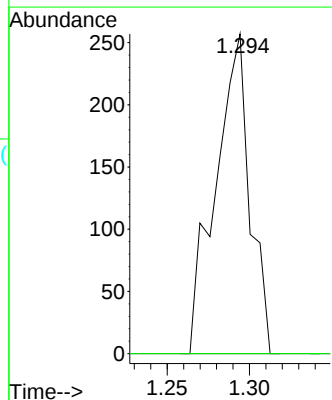
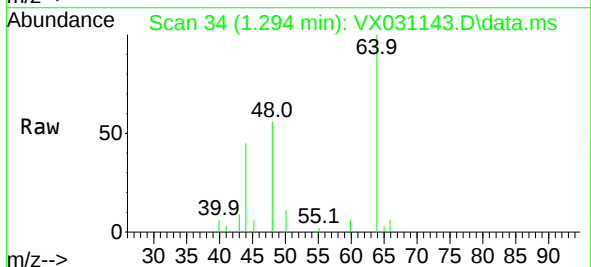
Instrument :
MSVOA_X
ClientSampleId :
SB-13

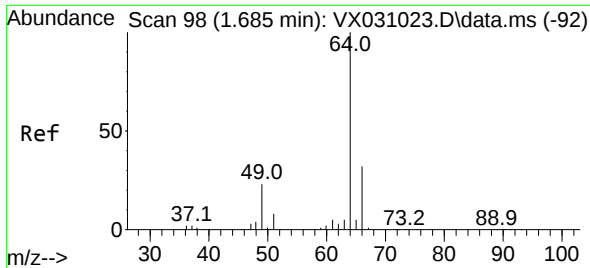
Tgt Ion:168 Resp: 206453
Ion Ratio Lower Upper
168 100
99 51.9 44.0 66.0



#3
Chloromethane
Concen: 0.881 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

Tgt Ion: 50 Resp: 372
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

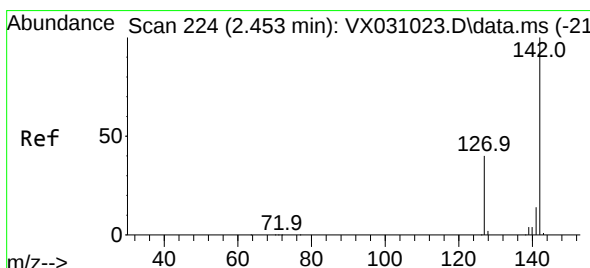
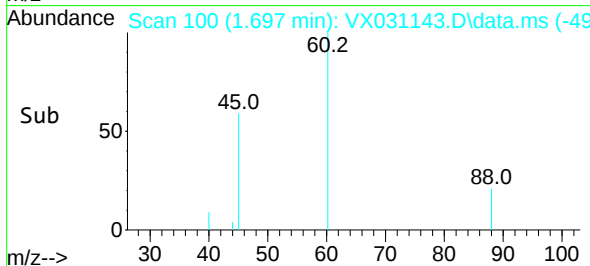
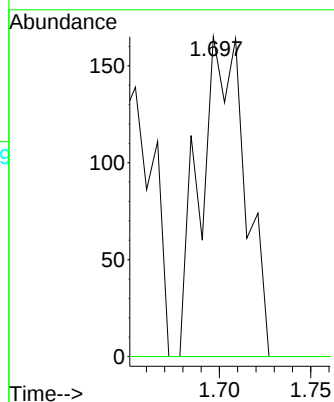
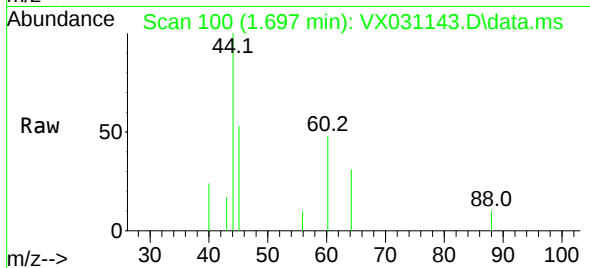




#6
Chloroethane
Concen: 1.906 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

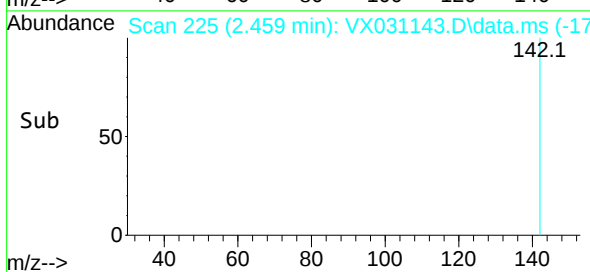
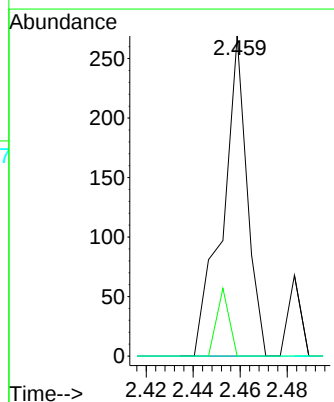
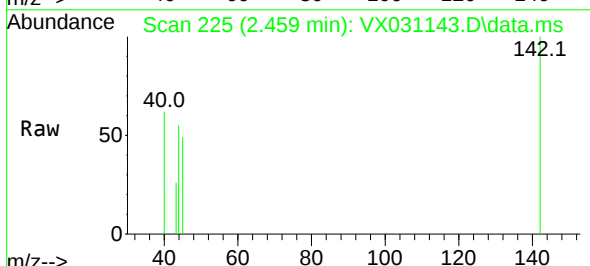
Instrument :
MSVOA_X
ClientSampleId :
SB-13

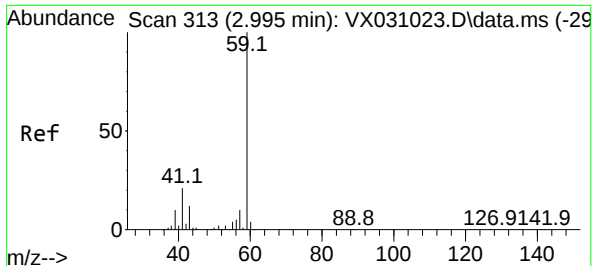
Tgt Ion: 64 Resp: 281
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 2.985 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

Tgt Ion: 142 Resp: 195
Ion Ratio Lower Upper
142 100
127 10.8 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 306

Delta R.T. -0.036 min

Lab File: VX031143.D

Acq: 06 Sep 2022 21:07

Instrument :

MSVOA_X

ClientSampleId :

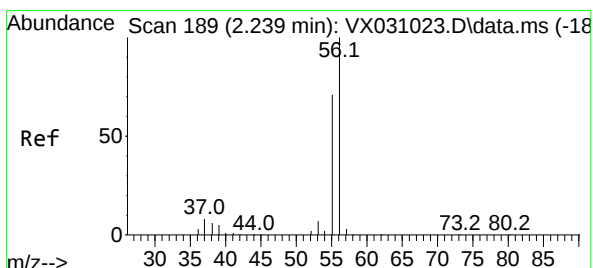
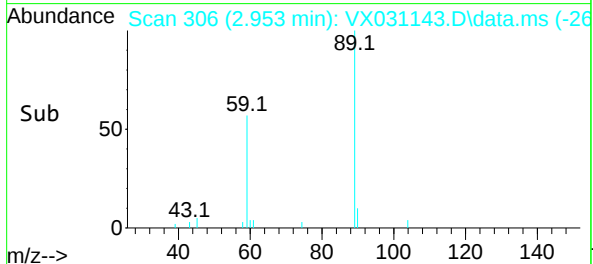
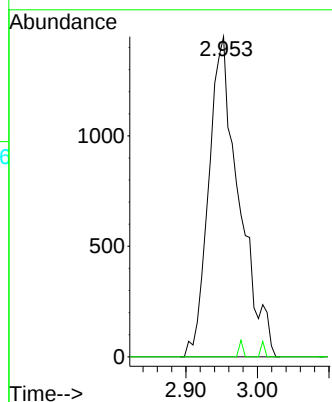
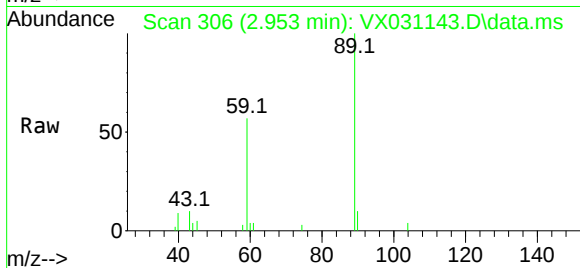
SB-13

Tgt Ion: 59 Resp: 4245

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 0.311 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX031143.D

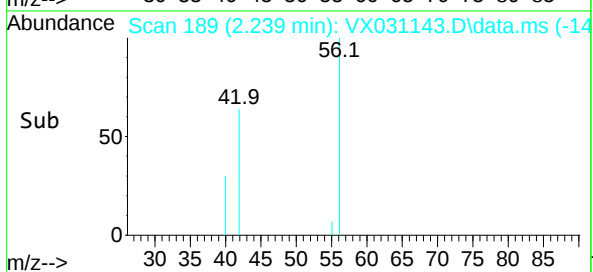
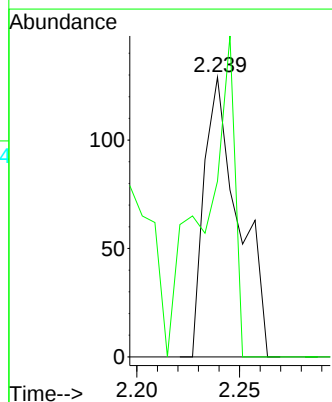
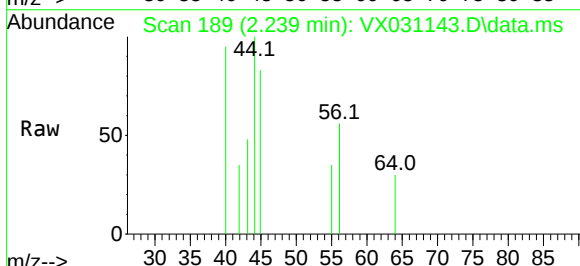
Acq: 06 Sep 2022 21:07

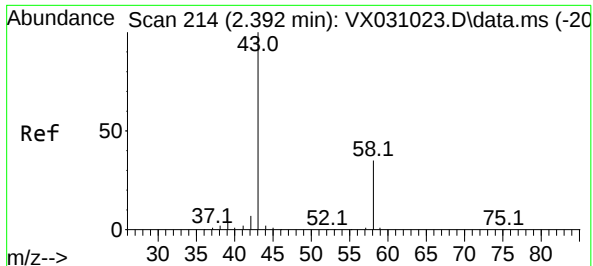
Tgt Ion: 56 Resp: 151

Ion Ratio Lower Upper

56 100

55 100.0 56.6 84.8#

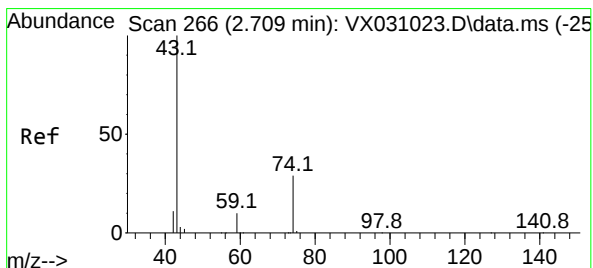
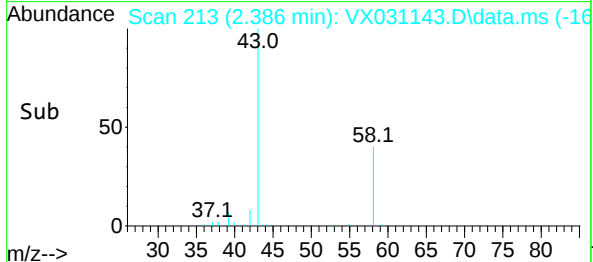
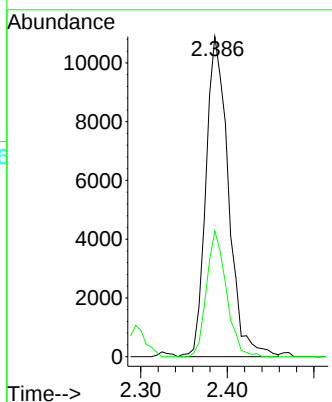
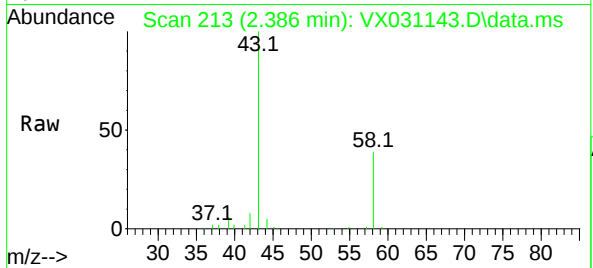




#16
Acetone
Concen: 19.162 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

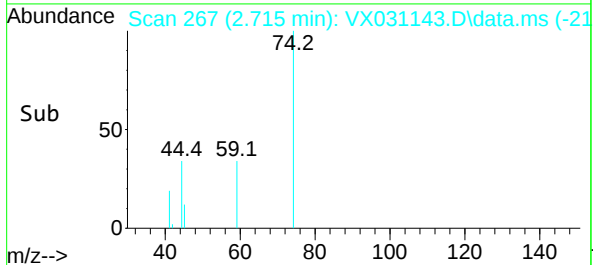
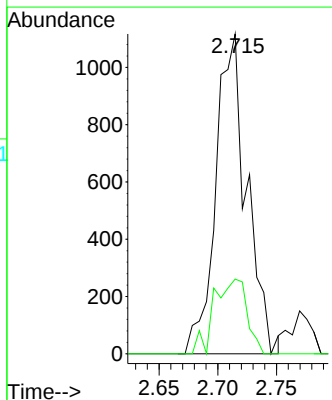
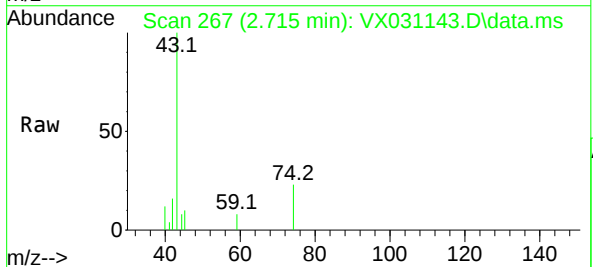
Instrument :
MSVOA_X
ClientSampleId :
SB-13

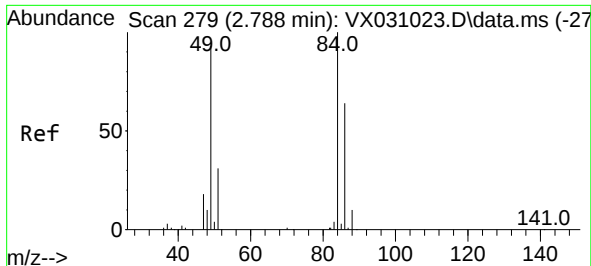
Tgt Ion: 43 Resp: 19651
Ion Ratio Lower Upper
43 100
58 39.3 27.7 41.5



#18
Methyl Acetate
Concen: 0.694 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

Tgt Ion: 43 Resp: 2044
Ion Ratio Lower Upper
43 100
74 24.9 19.4 29.2





#20

Methylene Chloride

Concen: 3.856 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX031143.D

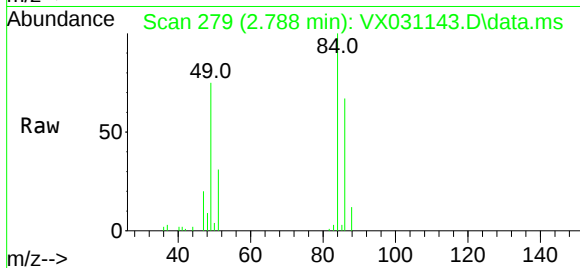
Acq: 06 Sep 2022 21:07

Instrument :

MSVOA_X

ClientSampleId :

SB-13



Tgt Ion: 84 Resp: 14668

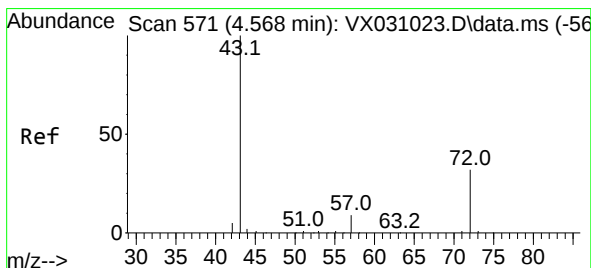
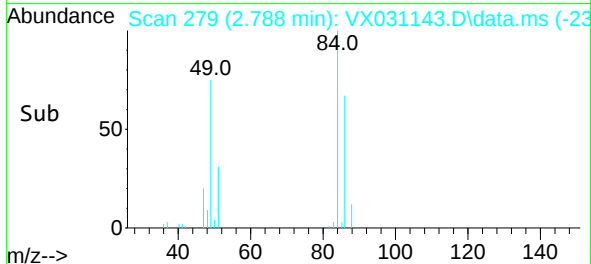
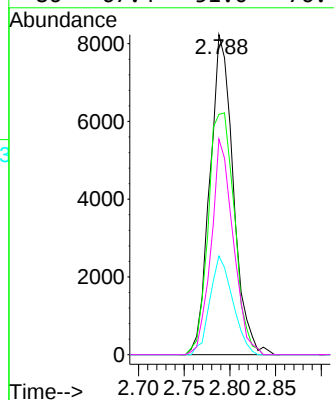
Ion Ratio Lower Upper

84 100

49 75.1 93.8 140.6#

51 30.9 29.4 44.0

86 67.4 51.0 76.4



#25

2-Butanone

Concen: 3.951 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX031143.D

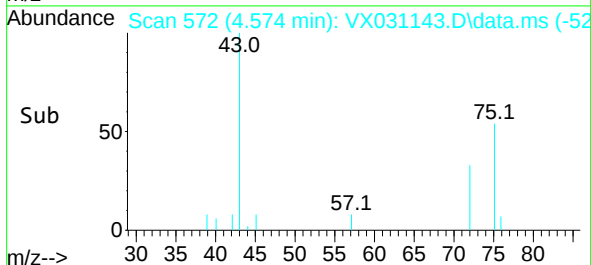
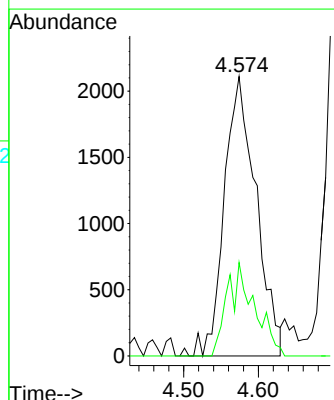
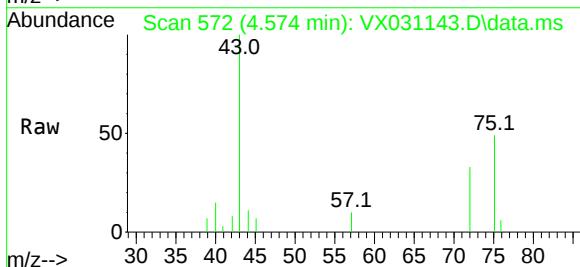
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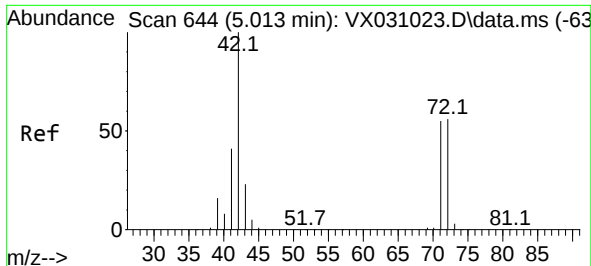
Tgt Ion: 43 Resp: 6256

Ion Ratio Lower Upper

43 100

72 33.4 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.975 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX031143.D

Acq: 06 Sep 2022 21:07

Instrument :

MSVOA_X

ClientSampleId :

SB-13

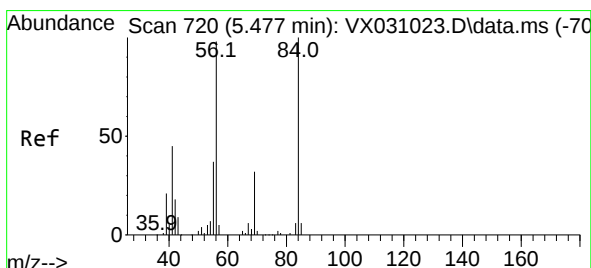
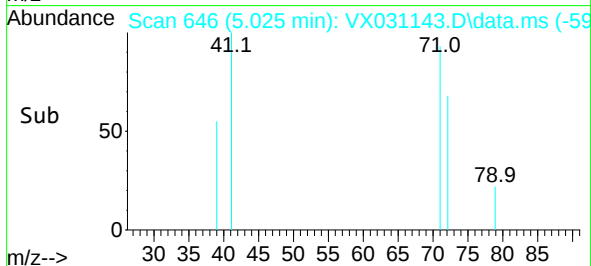
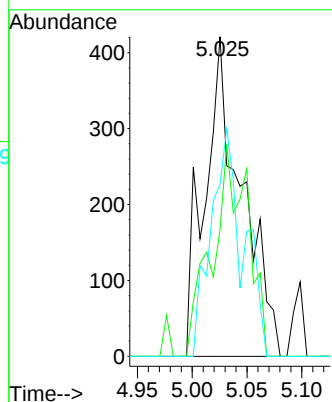
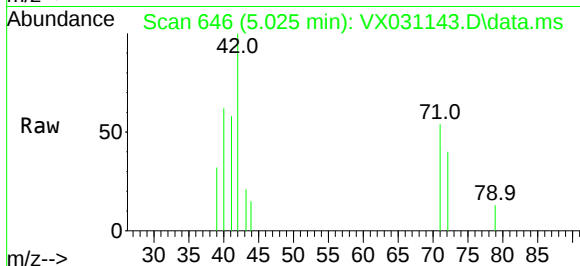
Tgt Ion: 42 Resp: 995

Ion Ratio Lower Upper

42 100

72 63.7 36.5 54.7#

71 61.7 33.9 50.9#



#31

Cyclohexane

Concen: 0.827 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX031143.D

Acq: 06 Sep 2022 21:07

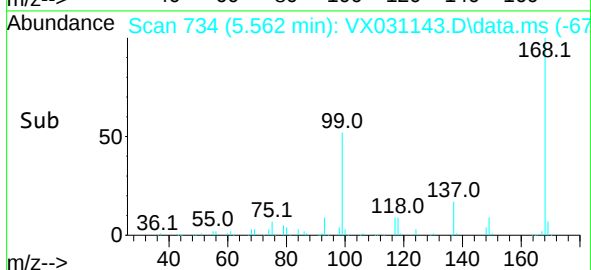
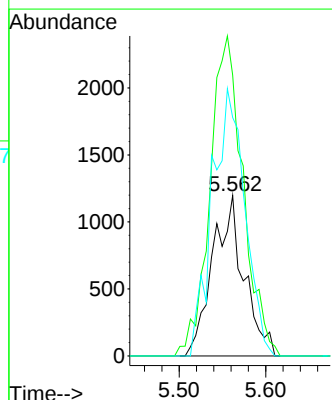
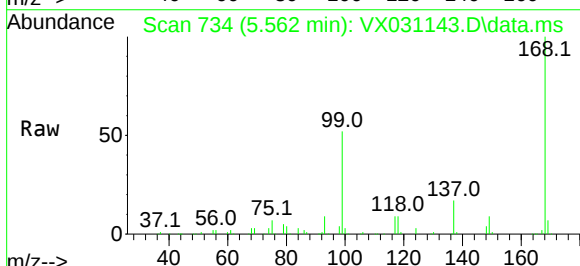
Tgt Ion: 56 Resp: 3001

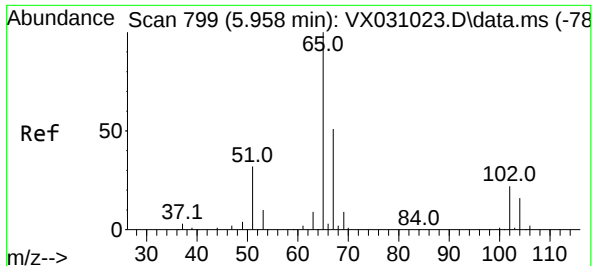
Ion Ratio Lower Upper

56 100

69 175.0 25.4 38.0#

84 148.6 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 47.892 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031143.D

Acq: 06 Sep 2022 21:07

Instrument :

MSVOA_X

ClientSampleId :

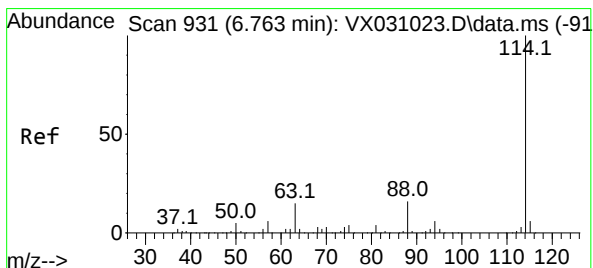
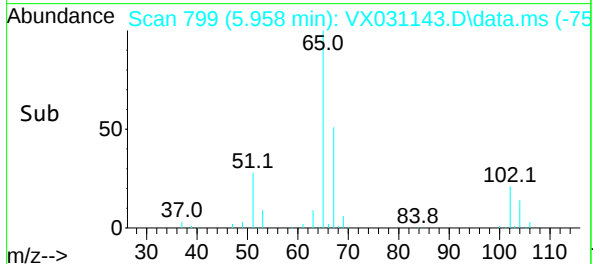
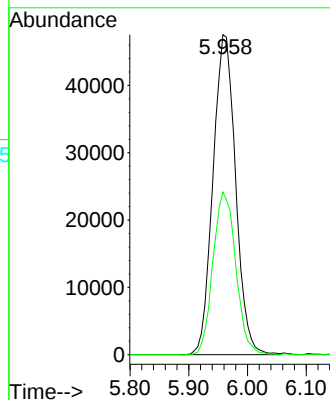
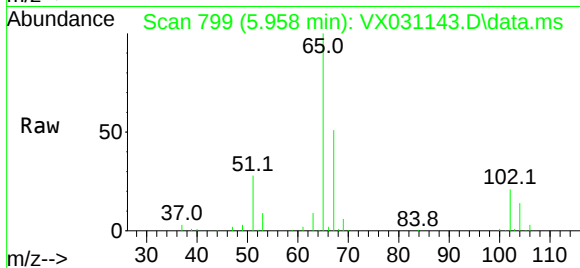
SB-13

Tgt Ion: 65 Resp: 127220

Ion Ratio Lower Upper

65 100

67 51.2 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: VX031143.D

Acq: 06 Sep 2022 21:07

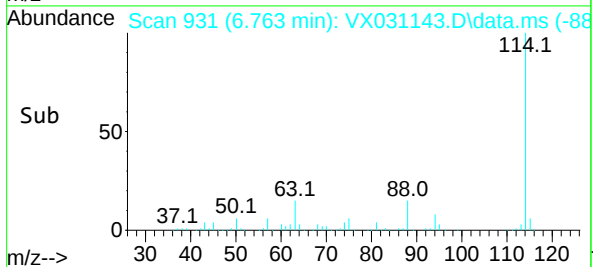
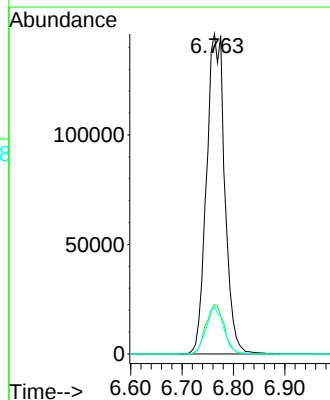
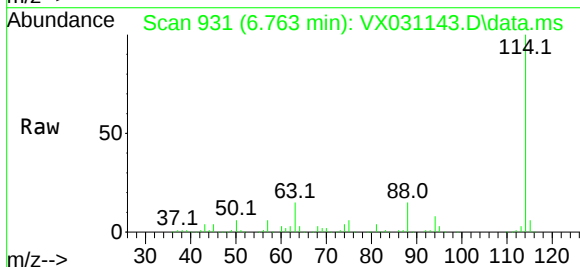
Tgt Ion: 114 Resp: 359681

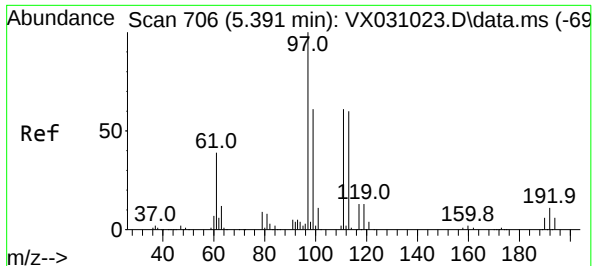
Ion Ratio Lower Upper

114 100

63 15.4 0.0 38.4

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.432 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031143.D

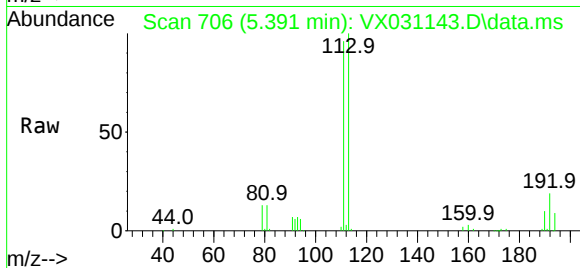
Acq: 06 Sep 2022 21:07

Instrument :

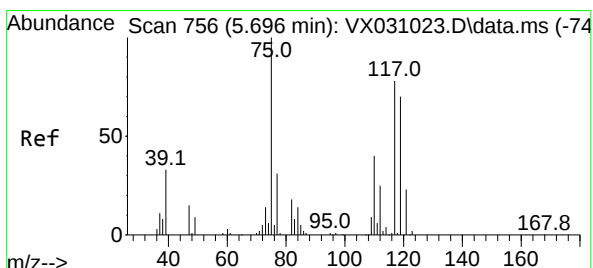
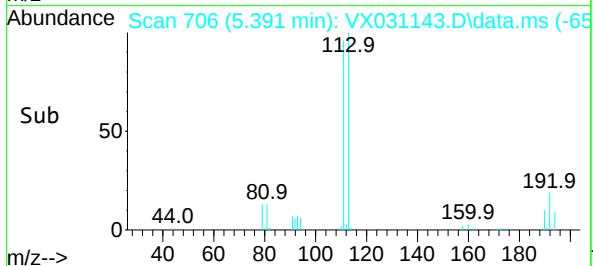
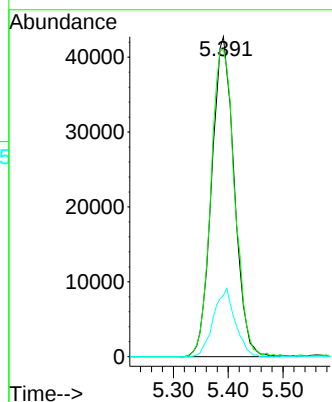
MSVOA_X

ClientSampleId :

SB-13



Tgt Ion:	113	Resp:	121876
Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.2	124.8
192	20.5	14.8	22.2



#36

1,1-Dichloropropene

Concen: 3.428 ug/l

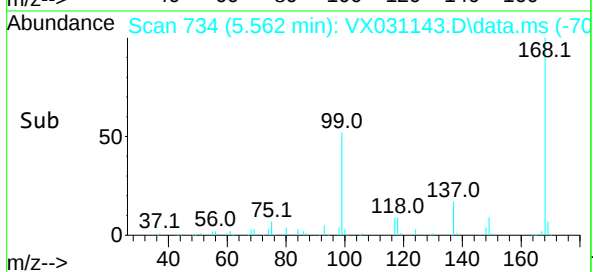
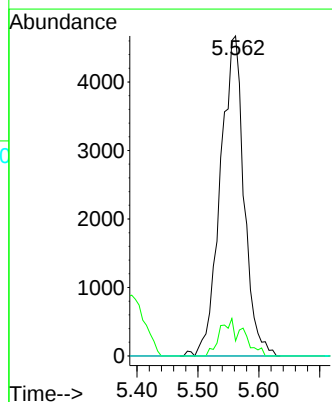
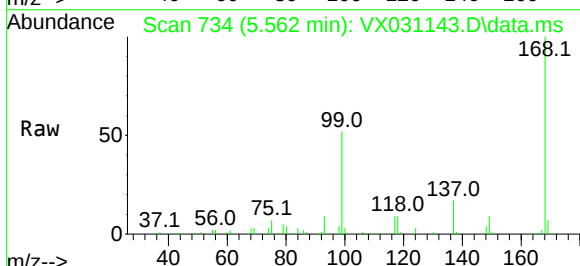
RT: 5.562 min Scan# 734

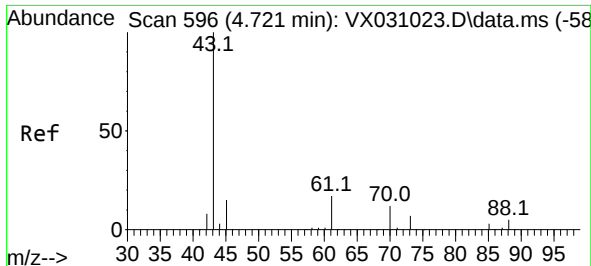
Delta R.T. -0.134 min

Lab File: VX031143.D

Acq: 06 Sep 2022 21:07

Tgt Ion:	75	Resp:	12605
Ion	Ratio	Lower	Upper
75	100		
110	7.1	19.3	57.9#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 7.090 ug/l

RT: 4.714 min Scan# 51

Delta R.T. -0.007 min

Lab File: VX031143.D

Acq: 06 Sep 2022 21:07

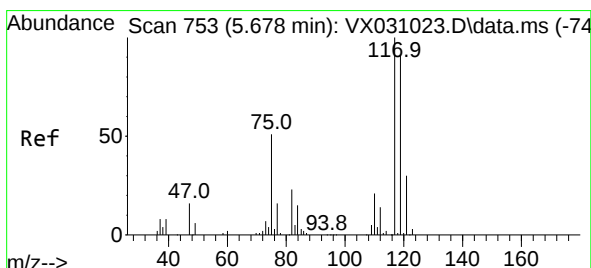
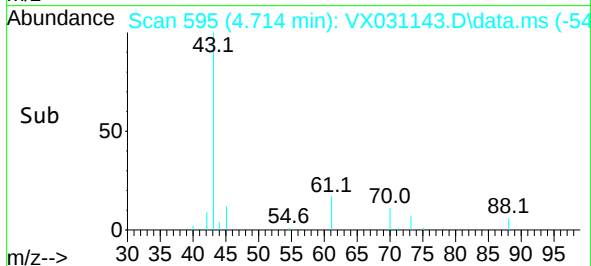
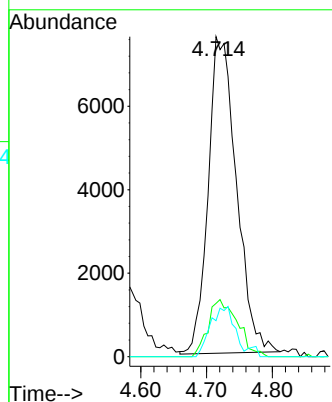
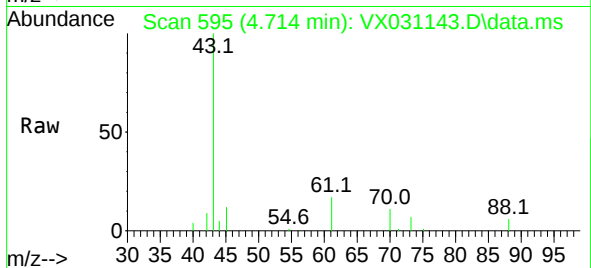
Instrument :

MSVOA_X

ClientSampleId :

SB-13

Tgt Ion:	43	Resp:	22650
Ion	Ratio	Lower	Upper
43	100		
61	18.9	11.7	17.5#
70	13.4	9.3	13.9



#38

Carbon Tetrachloride

Concen: 5.176 ug/l

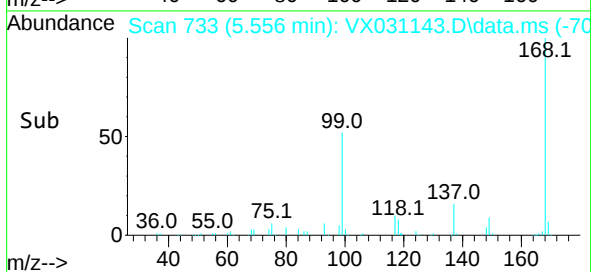
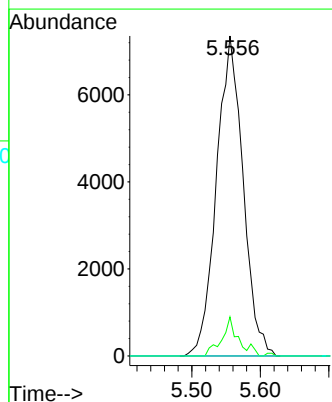
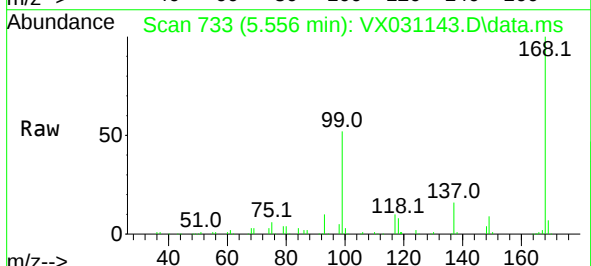
RT: 5.556 min Scan# 733

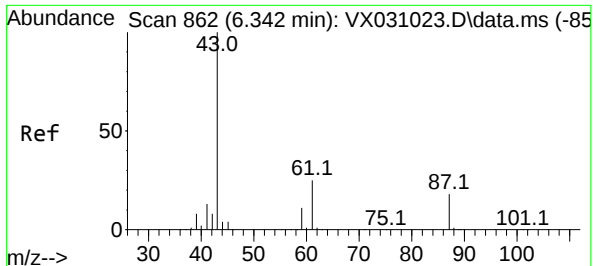
Delta R.T. -0.128 min

Lab File: VX031143.D

Acq: 06 Sep 2022 21:07

Tgt Ion:	117	Resp:	19752
Ion	Ratio	Lower	Upper
117	100		
119	12.2	74.1	111.1#
121	0.0	25.8	38.8#

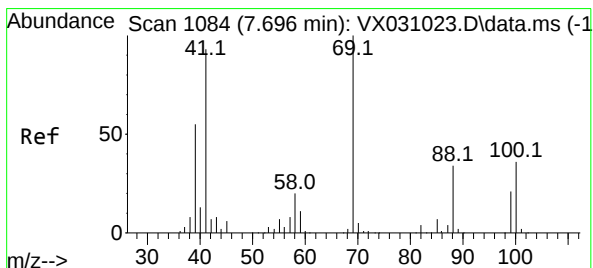
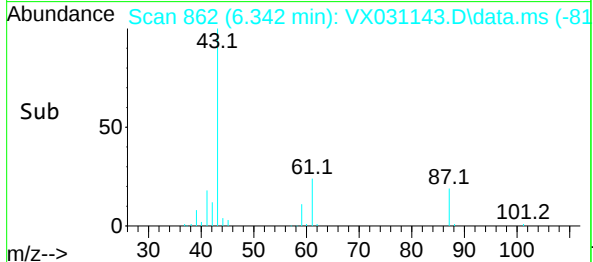
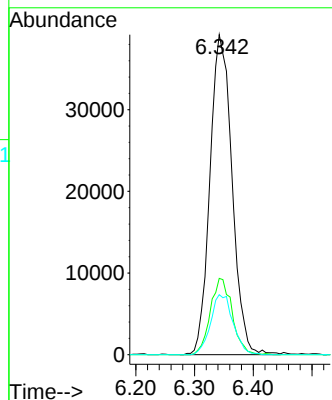
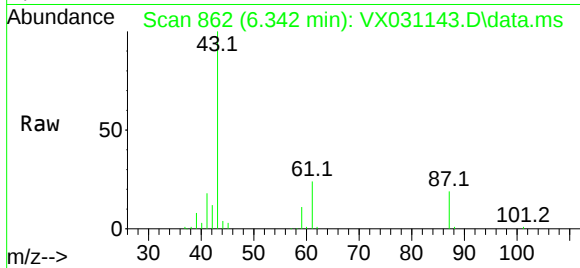




#43
Isopropyl Acetate
Concen: 20.532 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

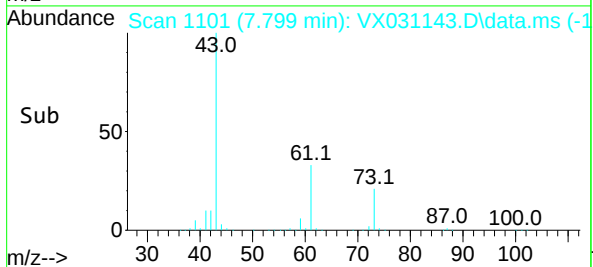
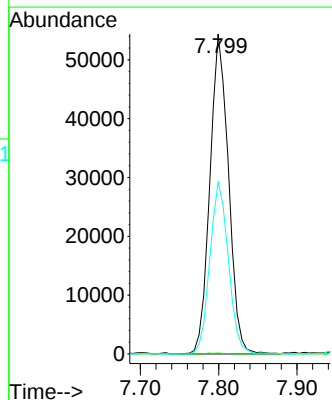
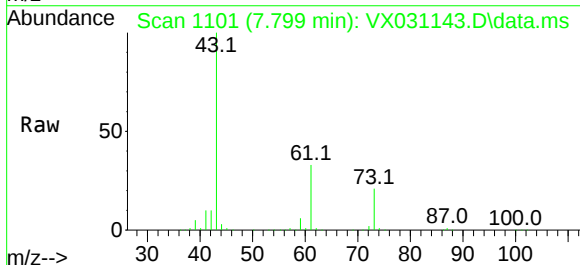
Instrument :
MSVOA_X
ClientSampleId :
SB-13

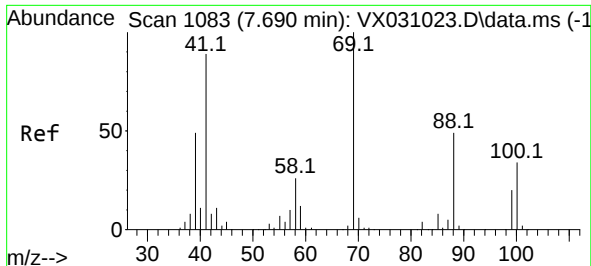
Tgt Ion: 43 Resp: 102509
Ion Ratio Lower Upper
43 100
61 23.5 16.5 24.7
87 19.1 11.1 16.7#



#48
Methyl methacrylate
Concen: 35.566 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

Tgt Ion: 41 Resp: 89643
Ion Ratio Lower Upper
41 100
69 0.3 68.8 103.2#
39 53.6 44.6 66.8





#49

1,4-Dioxane

Concen: 0.587 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.019 min

Lab File: VX031143.D

Acq: 06 Sep 2022 21:07

Instrument :

MSVOA_X

ClientSampleId :

SB-13

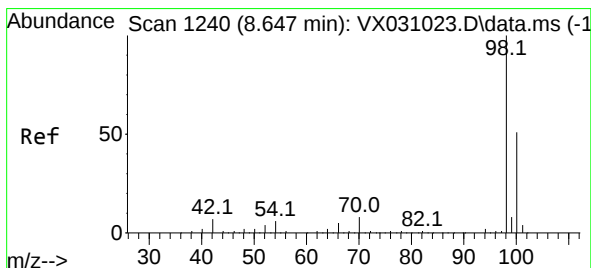
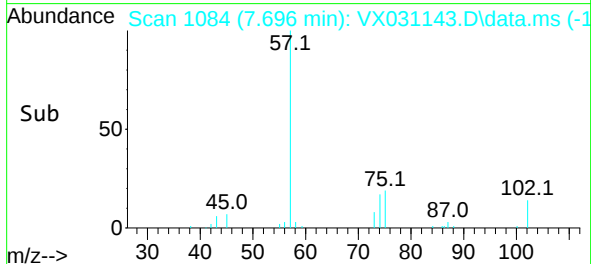
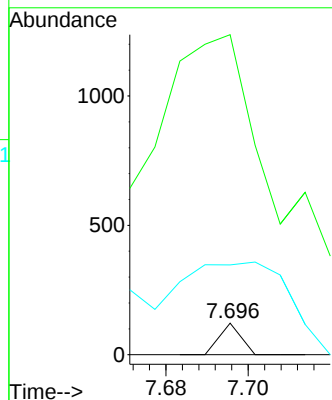
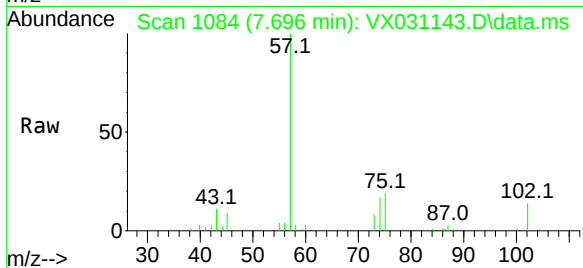
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 1431.1 53.8 80.6#



#50

Toluene-d8

Concen: 44.150 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031143.D

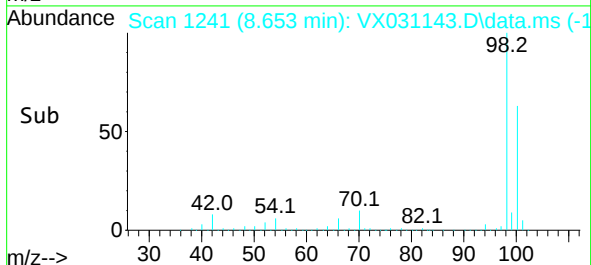
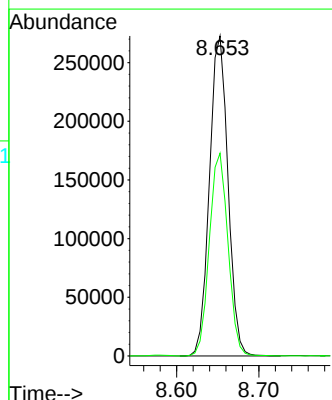
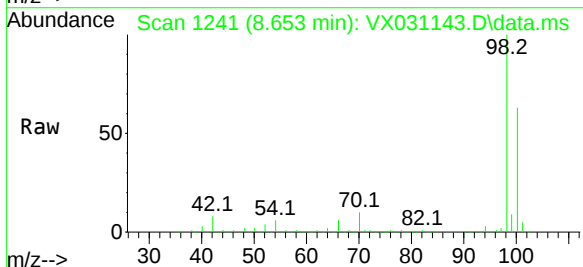
Acq: 06 Sep 2022 21:07

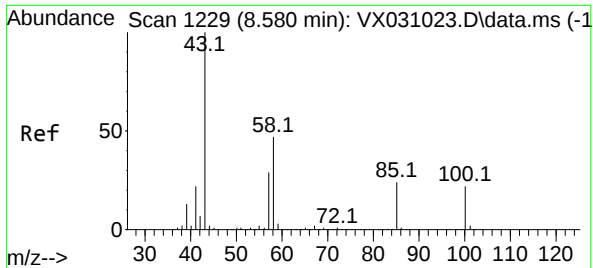
Tgt Ion: 98 Resp: 426502

Ion Ratio Lower Upper

98 100

100 63.9 52.3 78.5

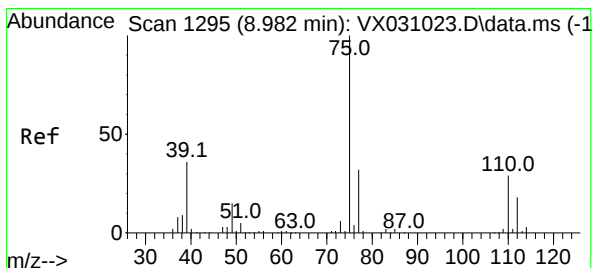
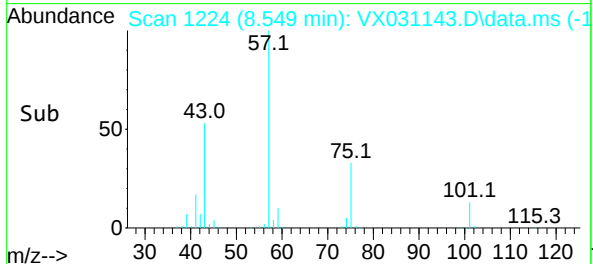
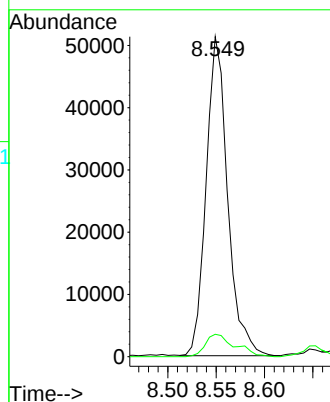
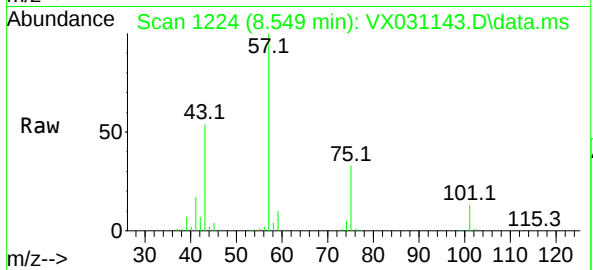




#51
4-Methyl-2-Pentanone
Concen: 24.762 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

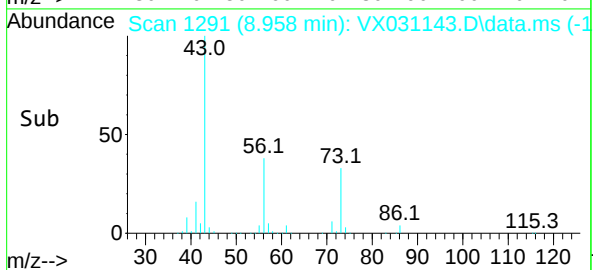
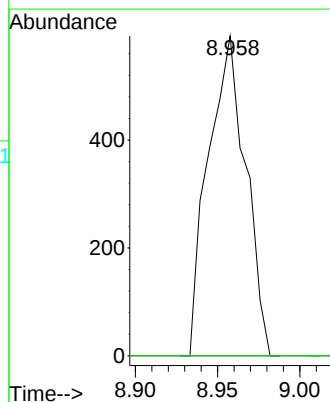
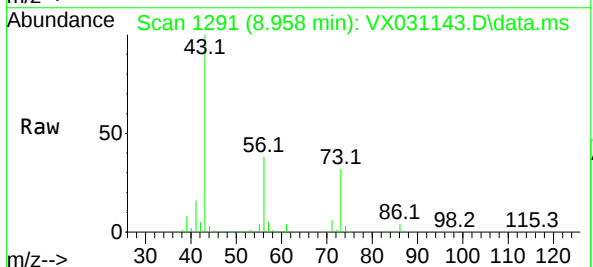
Instrument :
MSVOA_X
ClientSampleId :
SB-13

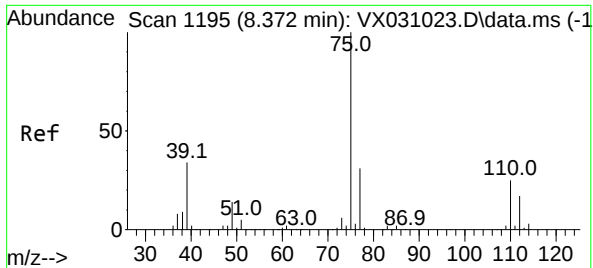
Tgt Ion: 43 Resp: 79473
Ion Ratio Lower Upper
43 100
58 9.7 31.4 47.2#



#53
t-1,3-Dichloropropene
Concen: 0.251 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

Tgt Ion: 75 Resp: 939
Ion Ratio Lower Upper
75 100
77 0.0 26.3 39.5#

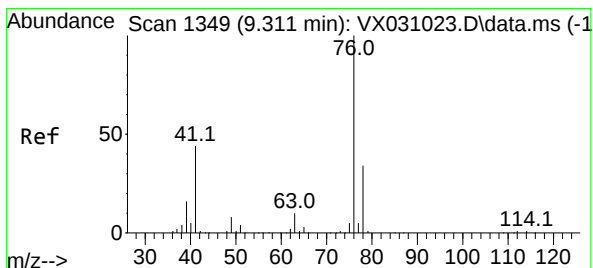
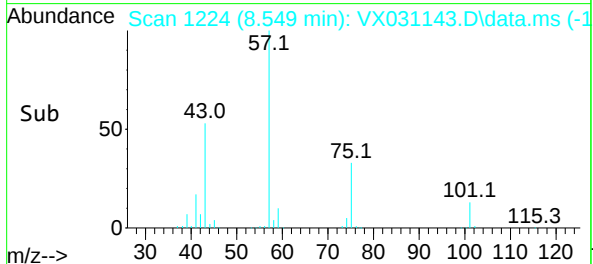
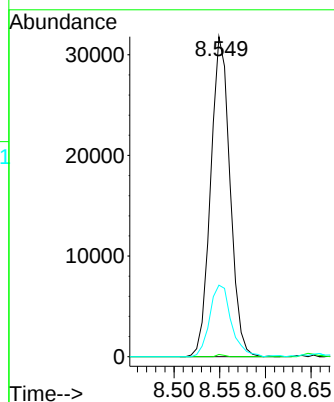
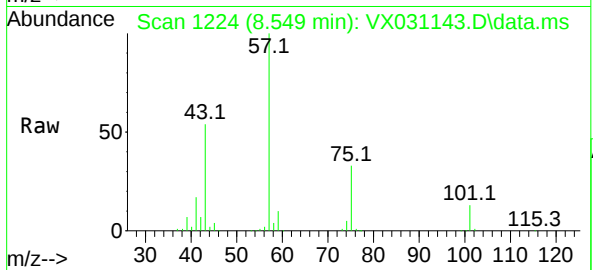




#54
 cis-1,3-Dichloropropene
 Concen: 11.144 ug/l
 RT: 8.549 min Scan# 1195
 Delta R.T. 0.177 min
 Lab File: VX031143.D
 Acq: 06 Sep 2022 21:07

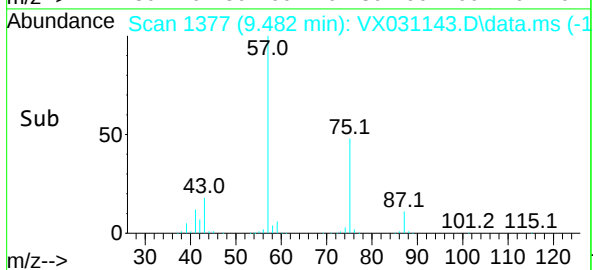
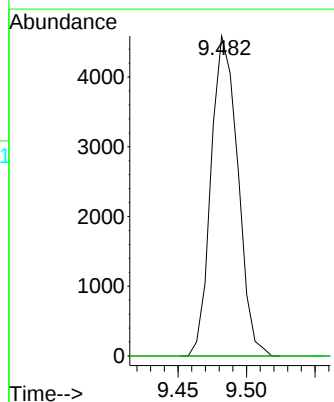
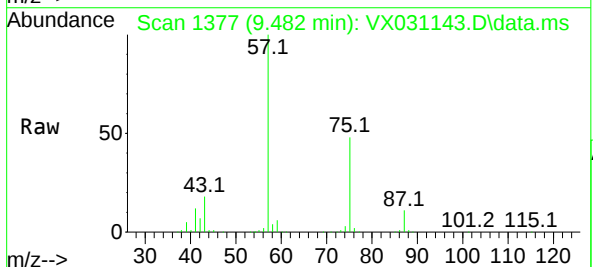
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-13

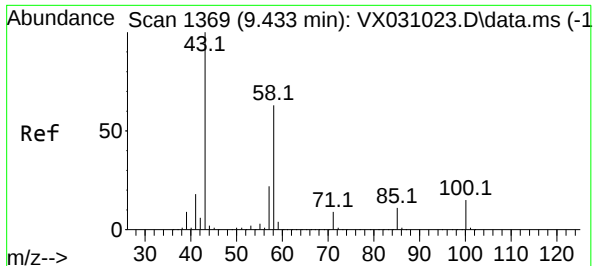
Tgt Ion: 75 Resp: 46681
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 22.3 37.5 56.3#



#57
 1,3-Dichloropropane
 Concen: 1.355 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX031143.D
 Acq: 06 Sep 2022 21:07

Tgt Ion: 76 Resp: 6233
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

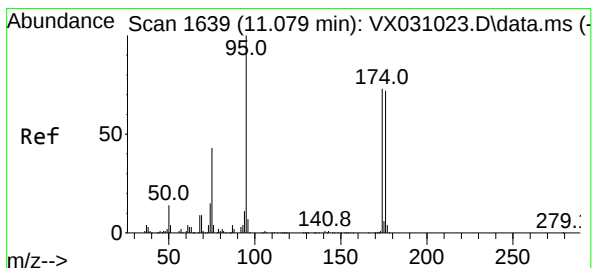
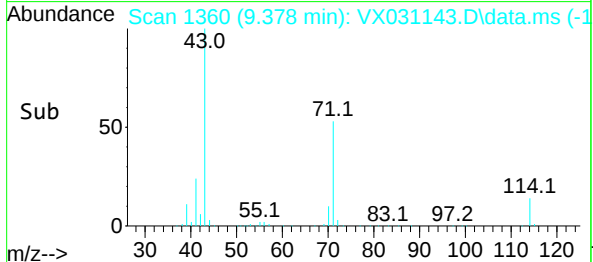
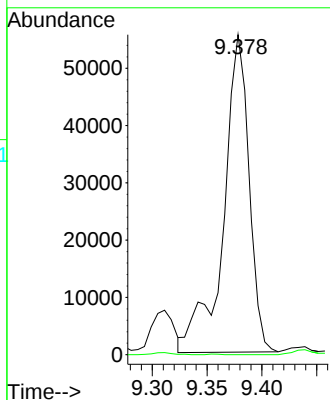
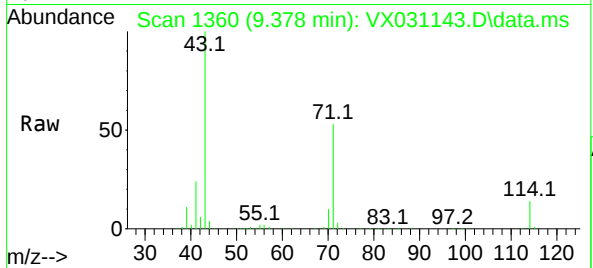




#59
2-Hexanone
Concen: 37.108 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

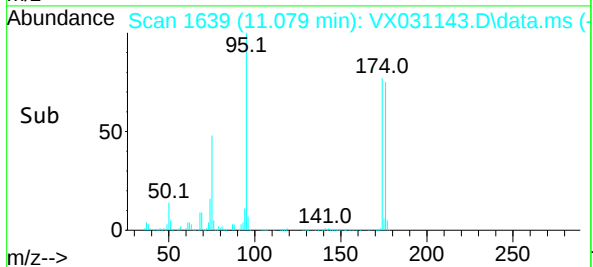
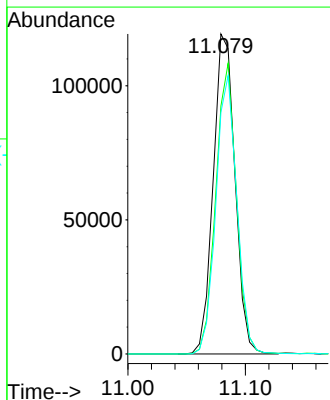
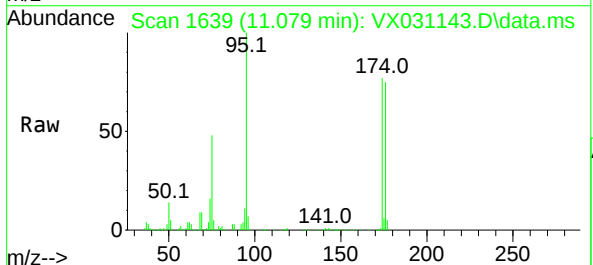
Instrument :
MSVOA_X
ClientSampleId :
SB-13

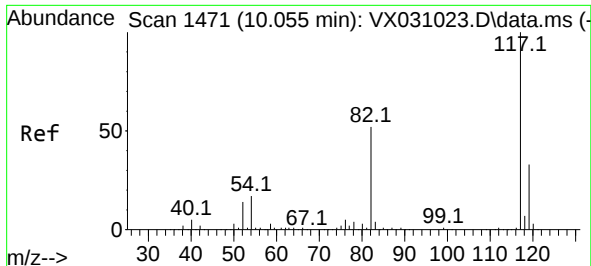
Tgt Ion: 43 Resp: 90064
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.8#



#62
4-Bromofluorobenzene
Concen: 45.029 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

Tgt Ion: 95 Resp: 153639
Ion Ratio Lower Upper
95 100
174 86.5 0.0 149.0
176 84.0 0.0 146.0

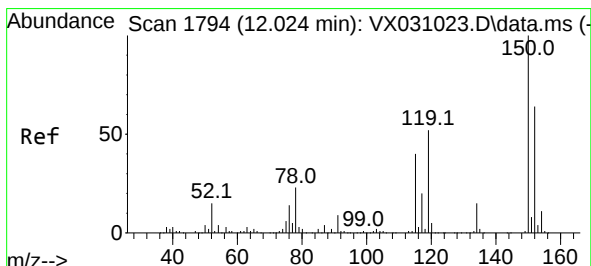
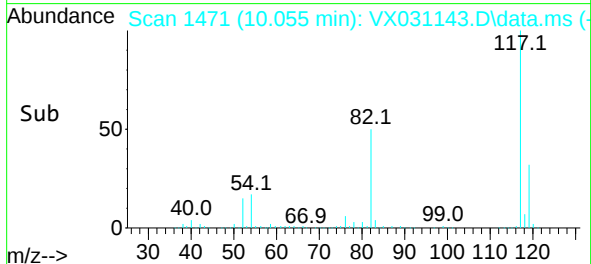
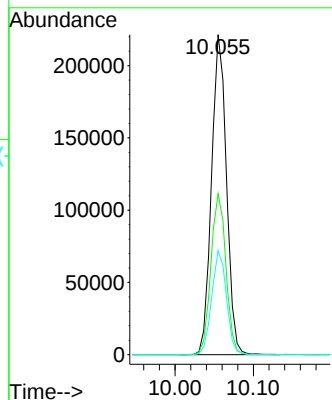
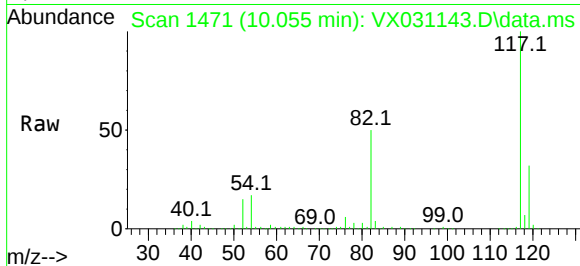




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

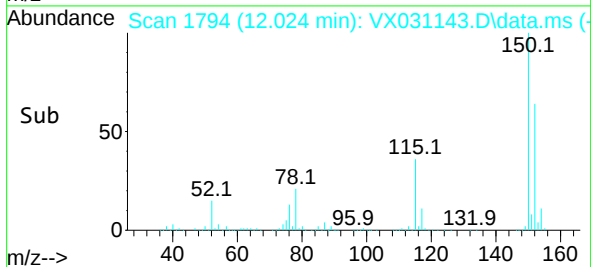
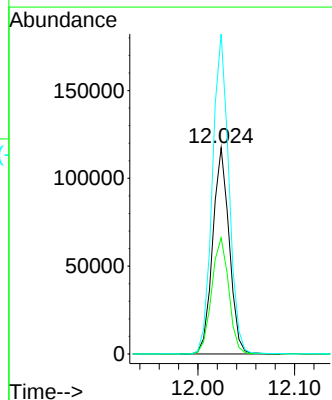
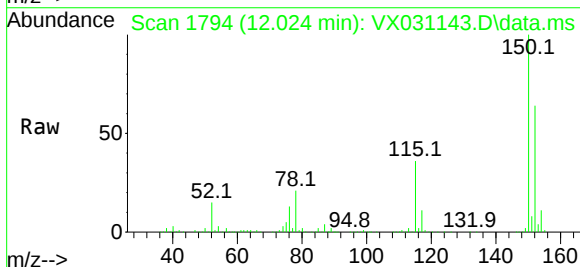
Instrument :
MSVOA_X
ClientSampleId :
SB-13

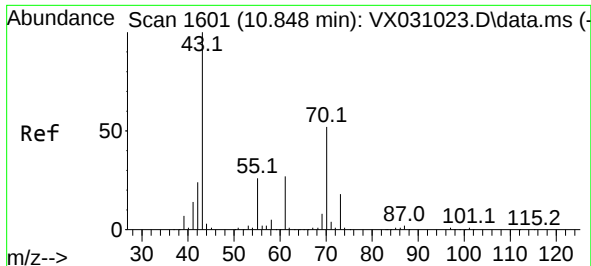
Tgt Ion:117 Resp: 292747
Ion Ratio Lower Upper
117 100
82 50.3 42.7 64.1
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

Tgt Ion:152 Resp: 139145
Ion Ratio Lower Upper
152 100
115 58.0 40.5 121.5
150 155.0 0.0 347.0

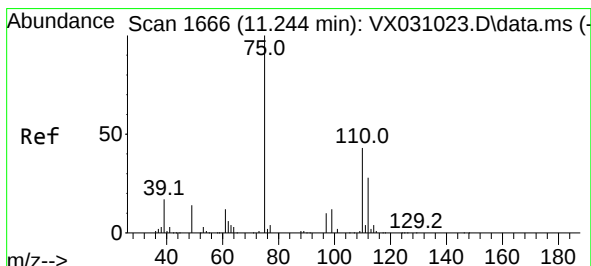
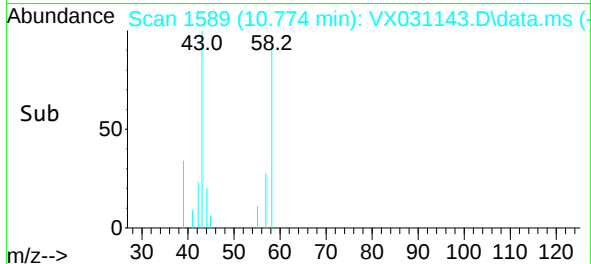
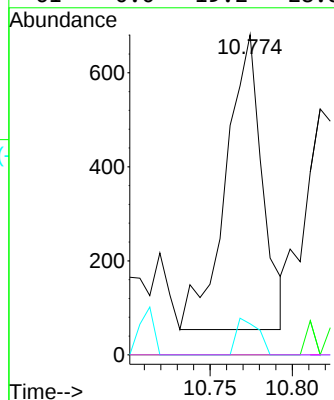
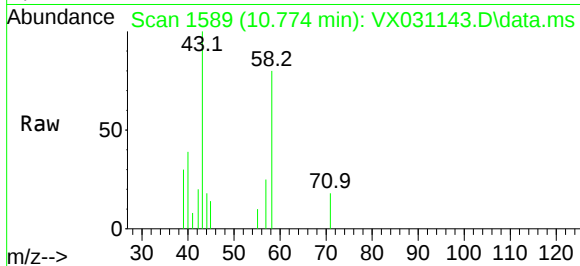




#74
N-amy1 acetate
Concen: 0.287 ug/l
RT: 10.774 min Scan# 1639
Delta R.T. -0.074 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

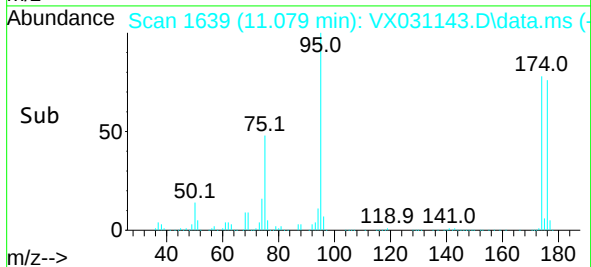
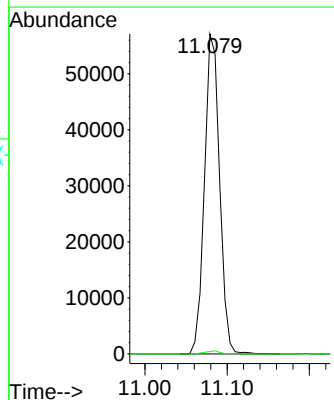
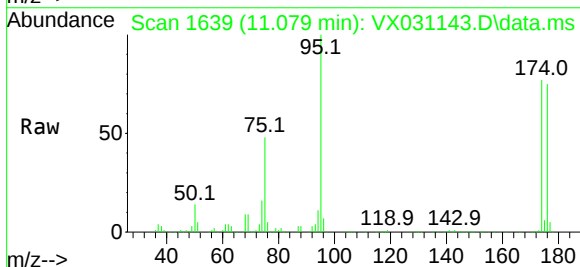
Instrument :
MSVOA_X
ClientSampleId :
SB-13

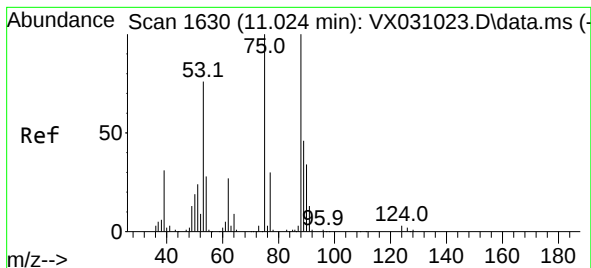
Tgt Ion: 43	Resp: 972
Ion Ratio	Lower Upper
43 100	
70 0.0	32.3 48.5#
55 7.4	18.4 27.6#
61 0.0	19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 22.157 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

Tgt Ion: 75	Resp: 72880
Ion Ratio	Lower Upper
75 100	
77 1.0	19.8 59.3#

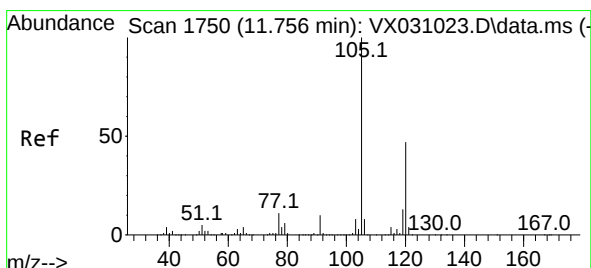
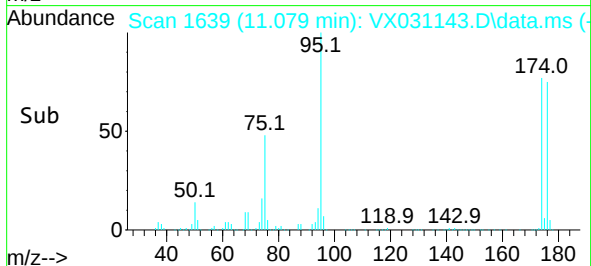
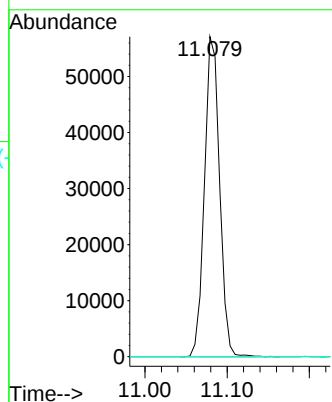
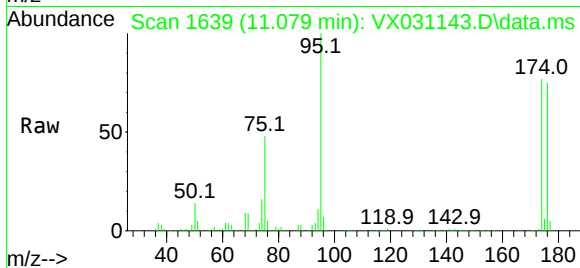




#81
trans-1,4-Dichloro-2-butene
Concen: 69.633 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

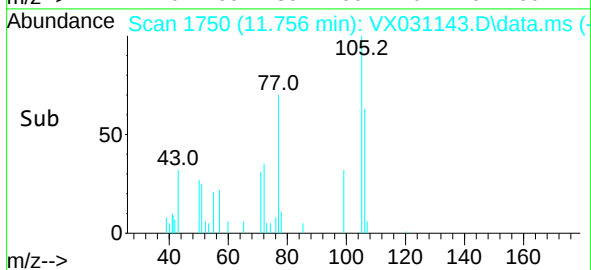
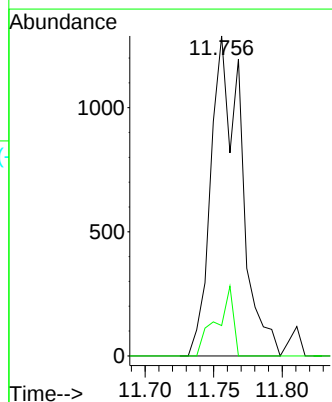
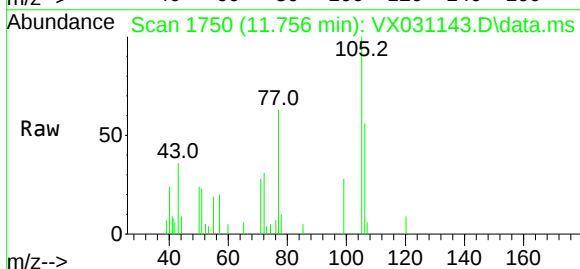
Instrument :
MSVOA_X
ClientSampleId :
SB-13

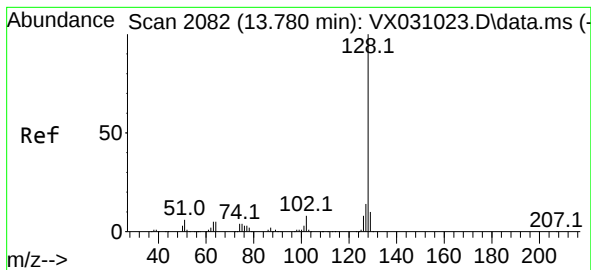
Tgt Ion: 75 Resp: 72880
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.211 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX031143.D
Acq: 06 Sep 2022 21:07

Tgt Ion: 105 Resp: 1982
Ion Ratio Lower Upper
105 100
120 12.1 22.9 68.8#





#95

Naphthalene

Concen: 1.158 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX031143.D

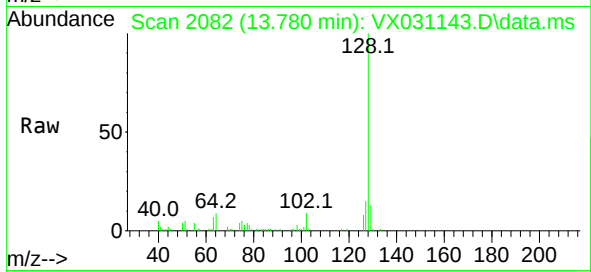
Acq: 06 Sep 2022 21:07

Instrument :

MSVOA_X

ClientSampleId :

SB-13



Tgt Ion:128 Resp: 14610

Ion Ratio Lower Upper

128 100

127 14.4 10.2 15.2

129 11.7 8.6 13.0

