

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031120.D
 Acq On : 04 Sep 2022 06:41
 Operator : JC/MD
 Sample : N4479-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-13

Quant Time: Sep 06 01:33:07 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)

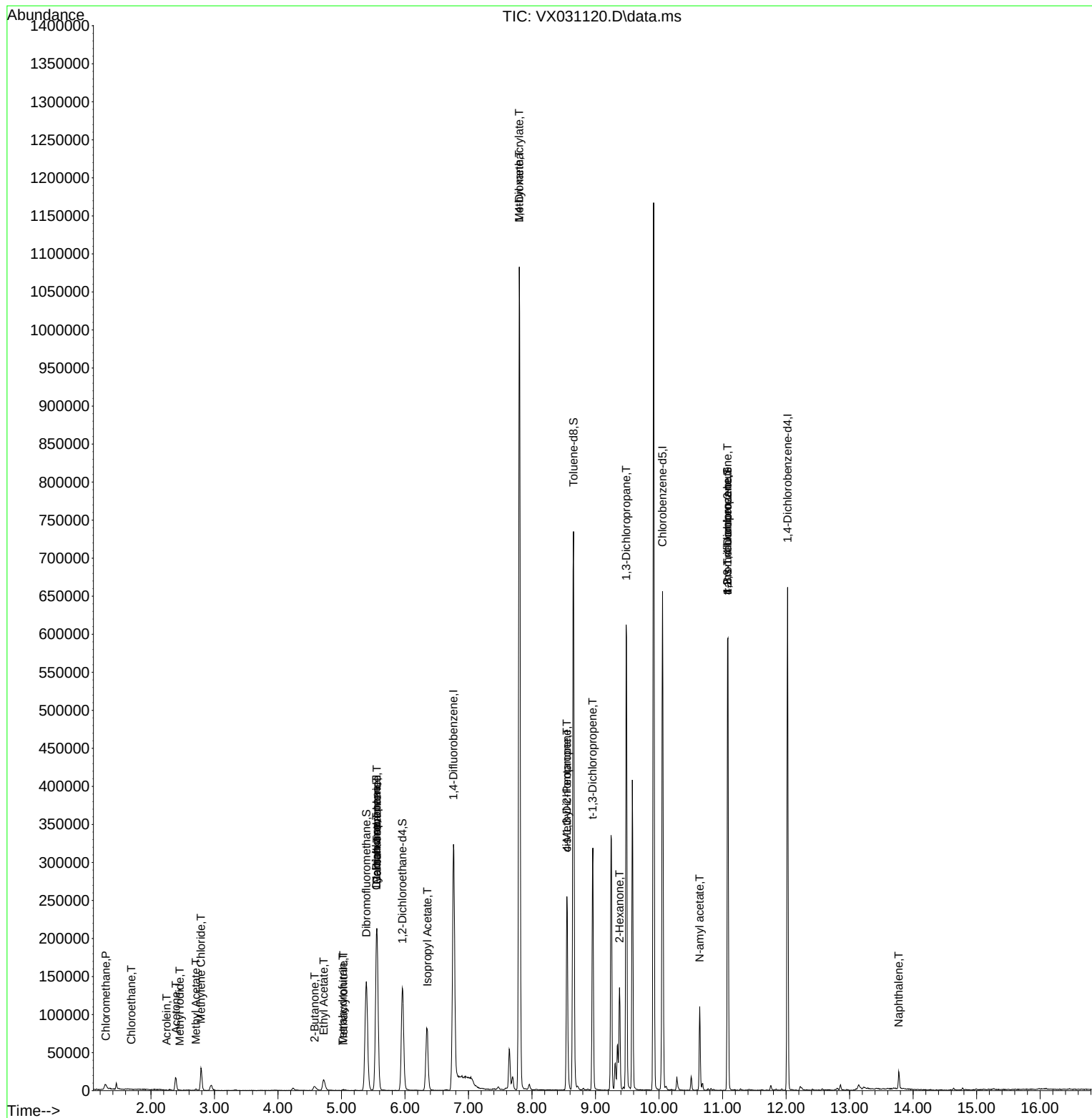
Internal Standards						
1) Pentafluorobenzene	5.556	168	219791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	340134	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	315803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	135318	47.849	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.700%		
35) Dibromofluoromethane	5.391	113	129940	52.349	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.700%		
50) Toluene-d8	8.653	98	458985	50.243	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.480%		
62) 4-Bromofluorobenzene	11.079	95	164720	51.051	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.100%		
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	435	0.899	ug/l #	42
6) Chloroethane	1.690	64	75	1.782	ug/l #	41
10) Methyl Iodide	2.452	142	386	3.051	ug/l #	52
11) Tert butyl alcohol	2.940	59	4826	Below Cal	#	74
13) Acrolein	2.245	56	127	0.245	ug/l	92
16) Acetone	2.391	43	19947	18.270	ug/l	99
18) Methyl Acetate	2.708	43	2226	0.710	ug/l #	89
20) Methylene Chloride	2.788	84	14492	3.414	ug/l	86
25) 2-Butanone	4.574	43	6754	4.007	ug/l	100
29) Tetrahydrofuran	5.019	42	413	0.380	ug/l #	32
31) Cyclohexane	5.549	56	3308	0.856	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	13968	4.017	ug/l #	48
37) Ethyl Acetate	4.720	43	24119	7.984	ug/l #	93
38) Carbon Tetrachloride	5.556	117	20939	5.802	ug/l #	20
41) Methacrylonitrile	5.031	41	427	0.265	ug/l #	23
43) Isopropyl Acetate	6.354	43	106506	22.559	ug/l #	90
48) Methyl methacrylate	7.799	41	88145	36.981	ug/l #	42
49) 1,4-Dioxane	7.799	88	81	1.117	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	81610	26.889	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	783	0.221	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	47147	11.903	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	5968	1.372	ug/l #	42
59) 2-Hexanone	9.378	43	91680	39.945	ug/l #	24
74) N-amyl acetate	10.640	43	21388	6.033	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	75268	21.853	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	75268	68.680	ug/l #	13
95) Naphthalene	13.774	128	15339	1.161	ug/l	98

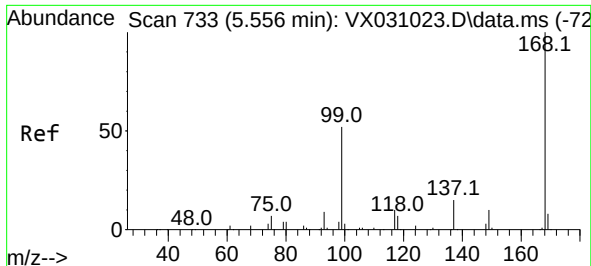
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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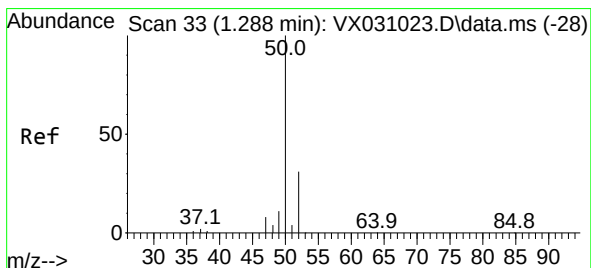
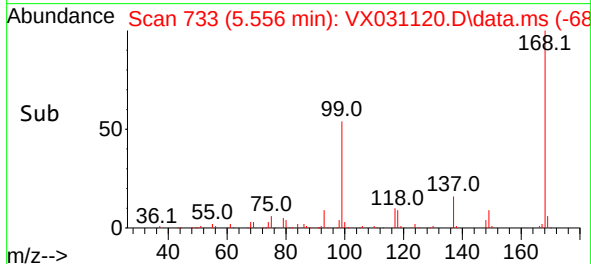
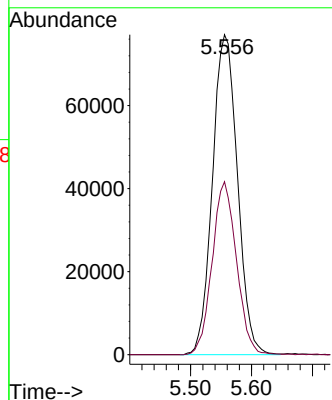
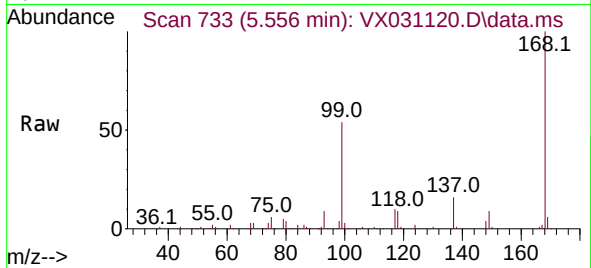




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

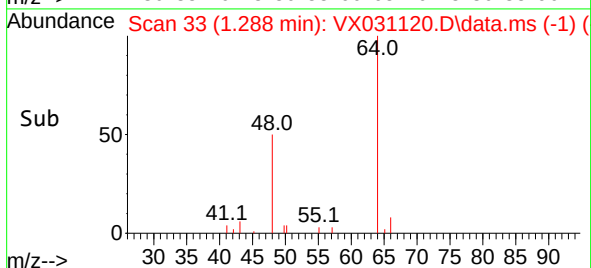
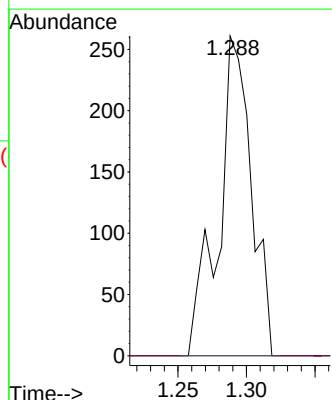
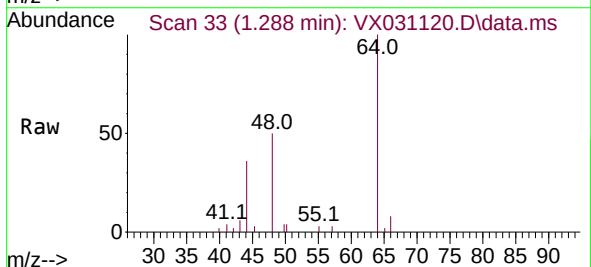
Instrument :
MSVOA_X
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SB-13

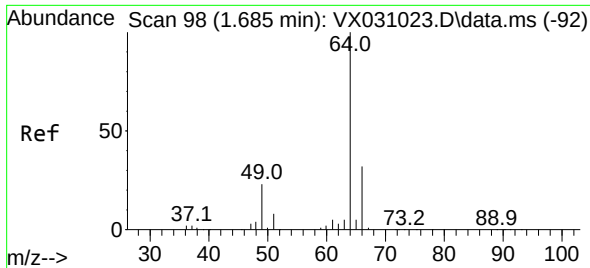
Tgt Ion:168 Resp: 219791
Ion Ratio Lower Upper
168 100
99 54.0 44.0 66.0



#3
Chloromethane
Concen: 0.899 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

Tgt Ion: 50 Resp: 435
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

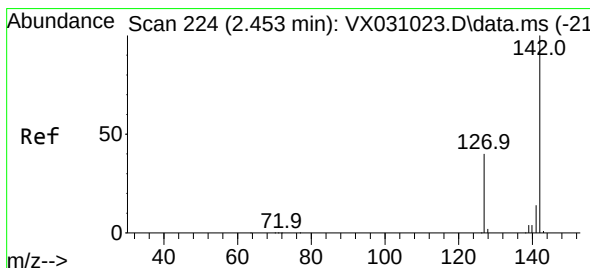
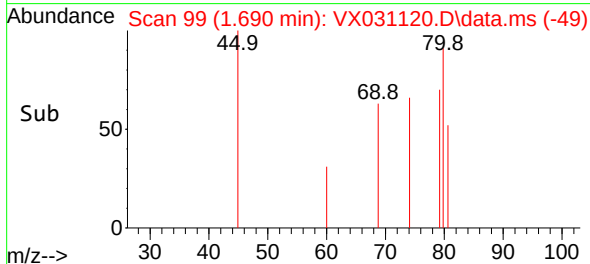
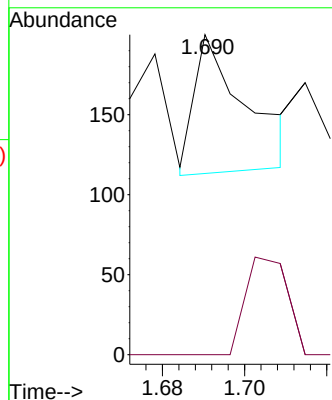
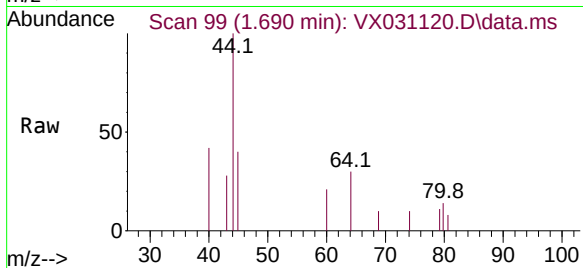




#6
Chloroethane
Concen: 1.782 ug/l
RT: 1.690 min Scan# 99
Delta R.T. 0.005 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

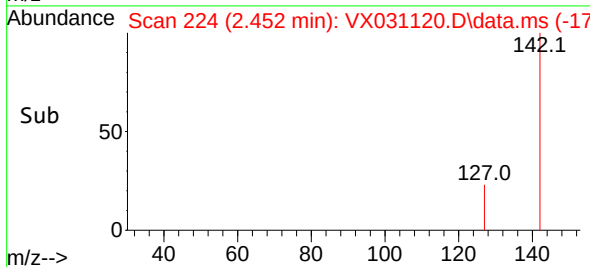
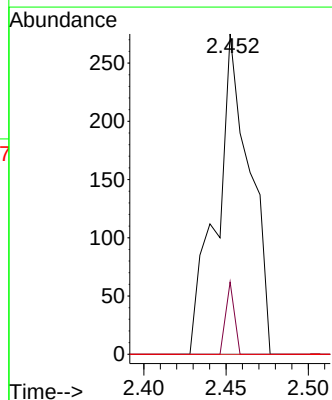
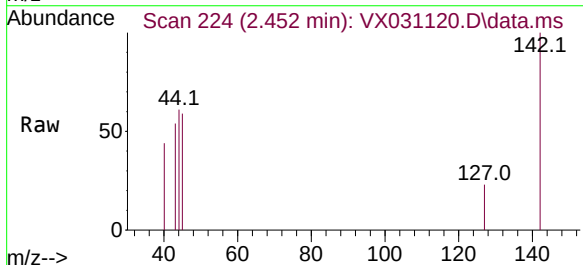
Instrument :
MSVOA_X
ClientSampleId :
SB-13

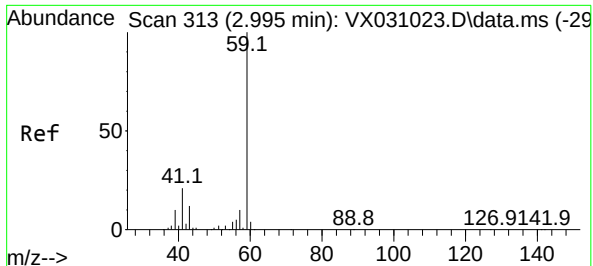
Tgt Ion: 64 Resp: 75
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 3.051 ug/l
RT: 2.452 min Scan# 224
Delta R.T. -0.001 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

Tgt Ion:142 Resp: 386
Ion Ratio Lower Upper
142 100
127 6.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 304

Delta R.T. -0.049 min

Lab File: VX031120.D

Acq: 04 Sep 2022 06:41

Instrument :

MSVOA_X

ClientSampleId :

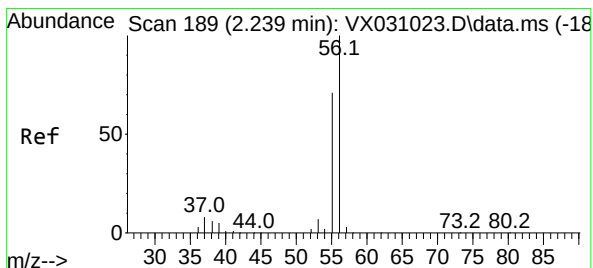
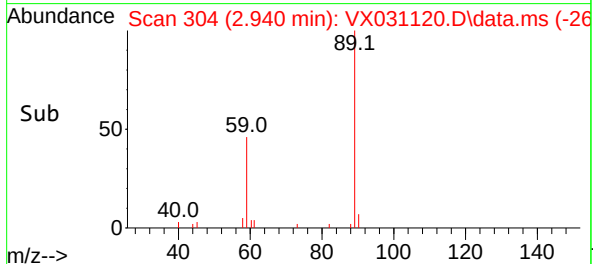
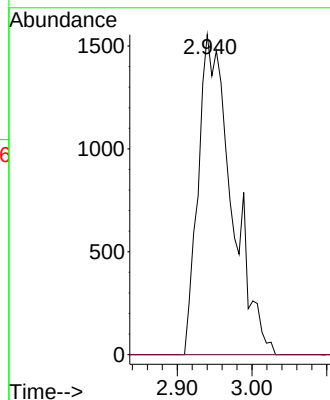
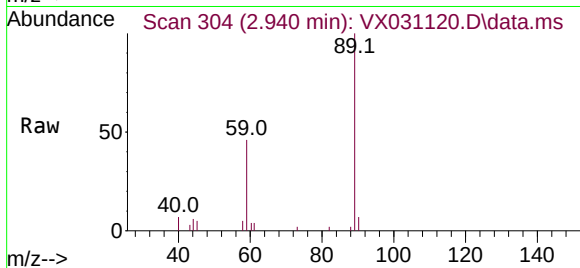
SB-13

Tgt Ion: 59 Resp: 4826

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 0.245 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX031120.D

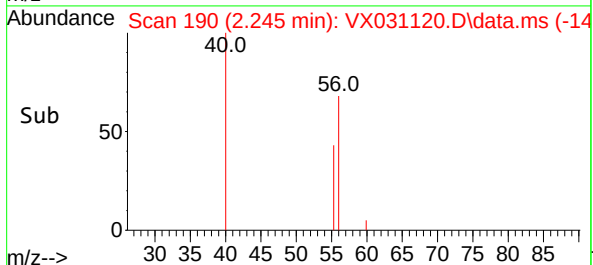
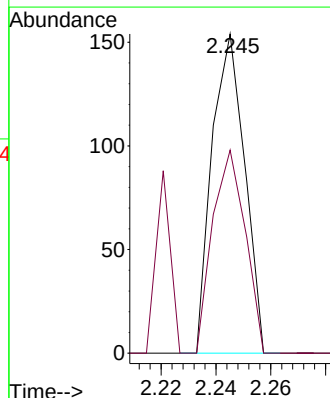
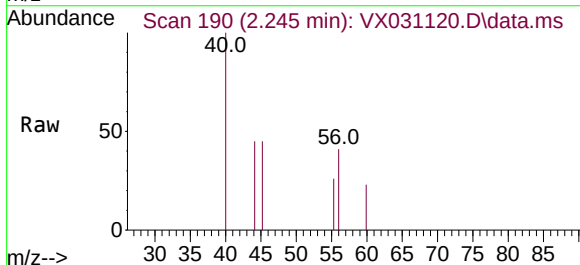
Acq: 04 Sep 2022 06:41

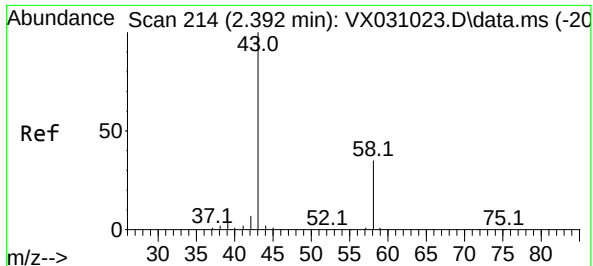
Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 63.8 56.6 84.8

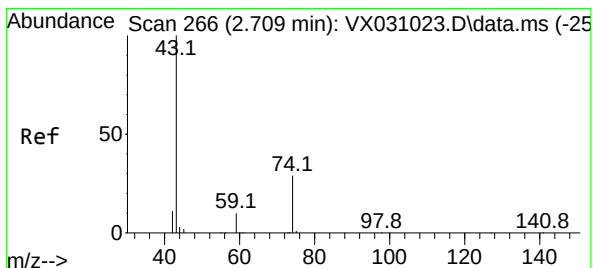
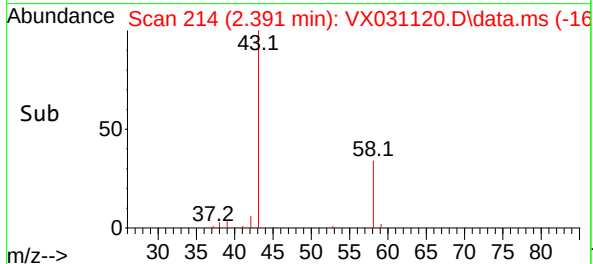
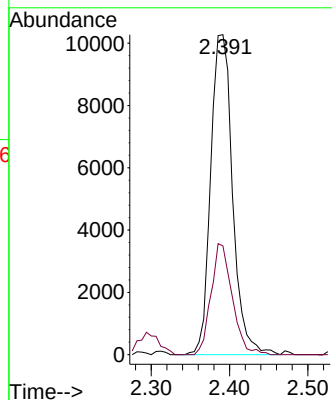
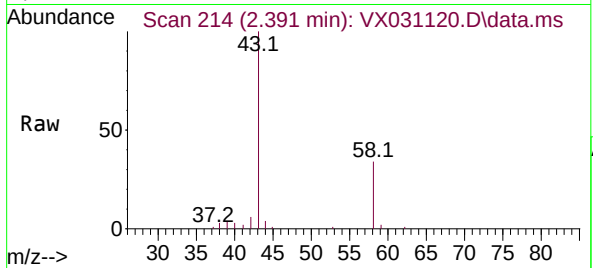




#16
Acetone
Concen: 18.270 ug/l
RT: 2.391 min Scan# 214
Delta R.T. 0.005 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

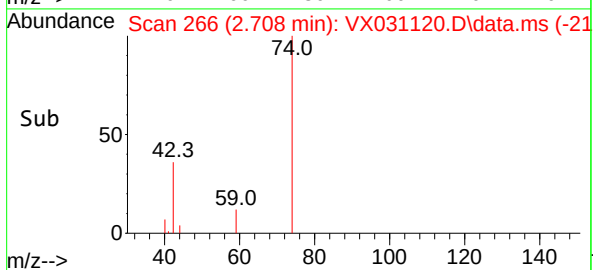
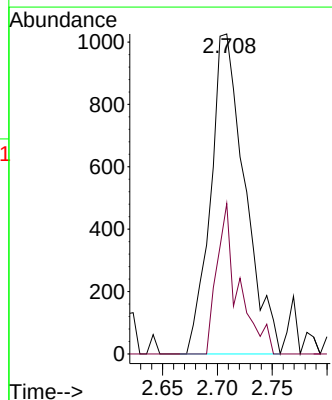
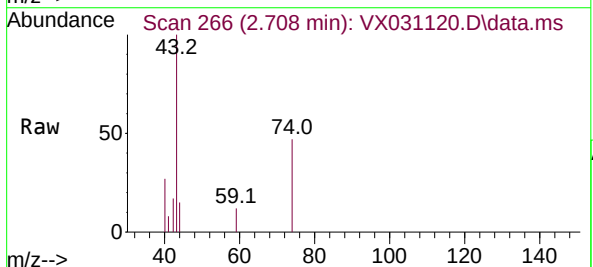
Instrument :
MSVOA_X
ClientSampleId :
SB-13

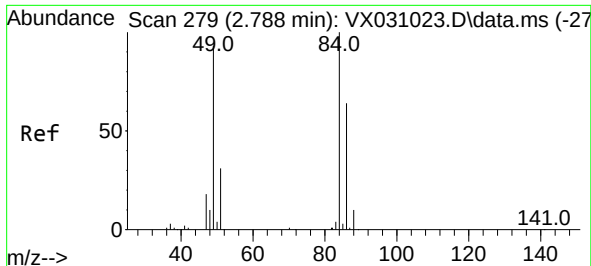
Tgt Ion: 43 Resp: 19947
Ion Ratio Lower Upper
43 100
58 34.0 27.7 41.5



#18
Methyl Acetate
Concen: 0.710 ug/l
RT: 2.708 min Scan# 266
Delta R.T. -0.001 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

Tgt Ion: 43 Resp: 2226
Ion Ratio Lower Upper
43 100
74 29.8 19.4 29.2#

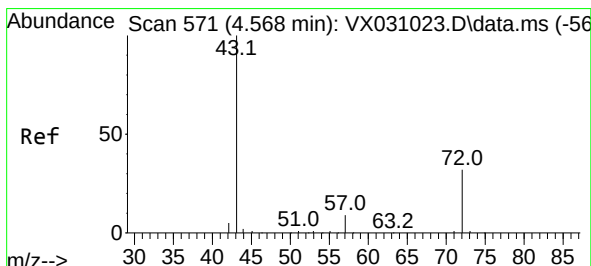
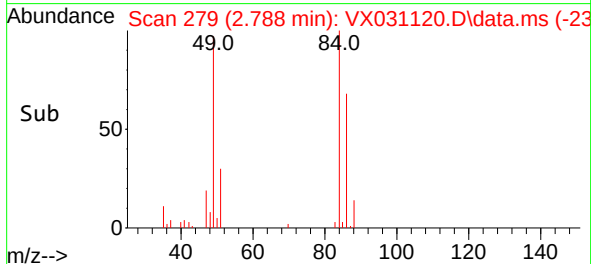
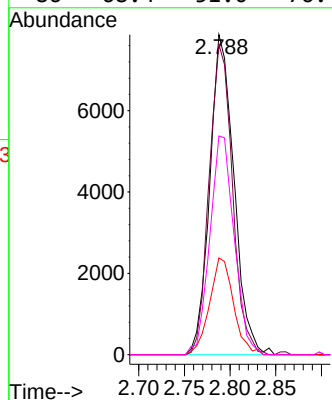
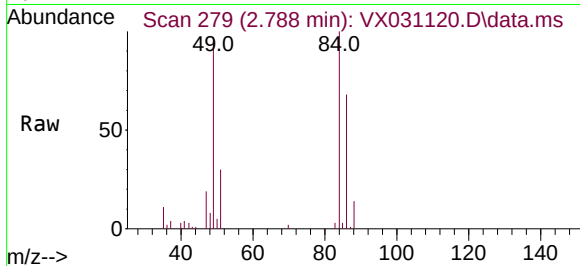




#20
Methylene Chloride
Concen: 3.414 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

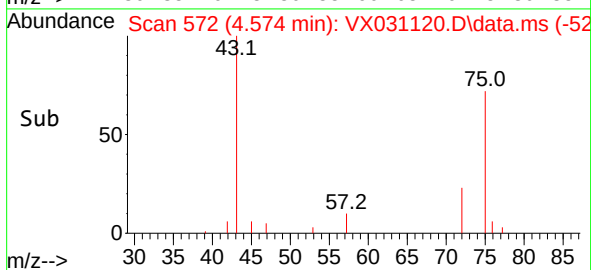
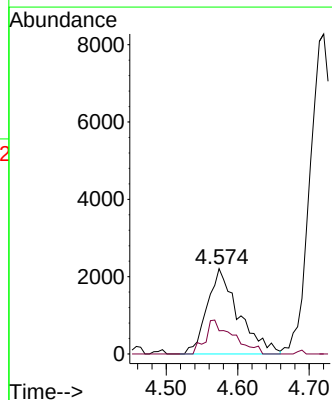
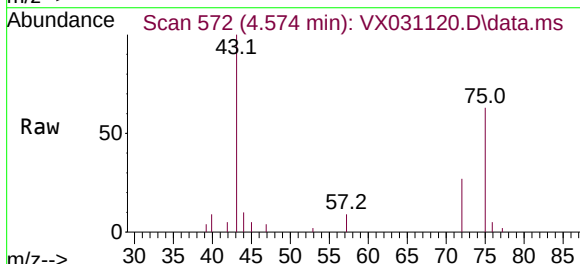
Instrument :
MSVOA_X
ClientSampleId :
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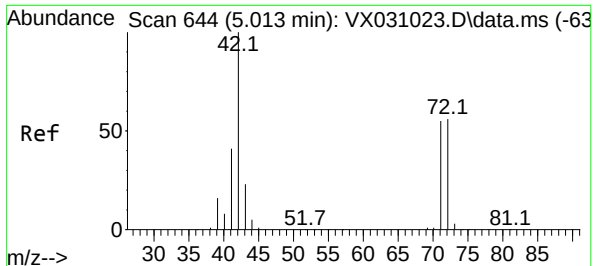
Tgt Ion:	84	Resp:	14492
Ion	Ratio	Lower	Upper
84	100		
49	97.0	93.8	140.6
51	30.3	29.4	44.0
86	68.4	51.0	76.4



#25
2-Butanone
Concen: 4.007 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

Tgt Ion:	43	Resp:	6754
Ion	Ratio	Lower	Upper
43	100		
72	27.3	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.380 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX031120.D

Acq: 04 Sep 2022 06:41

Instrument :

MSVOA_X

ClientSampleId :

SB-13

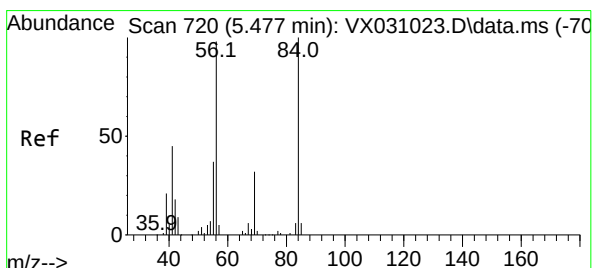
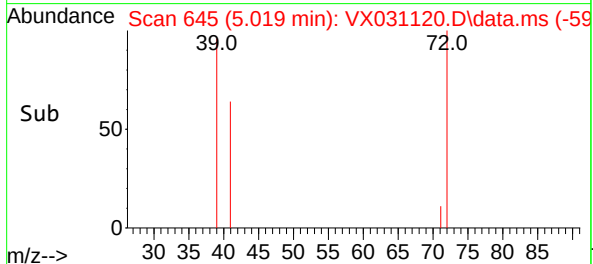
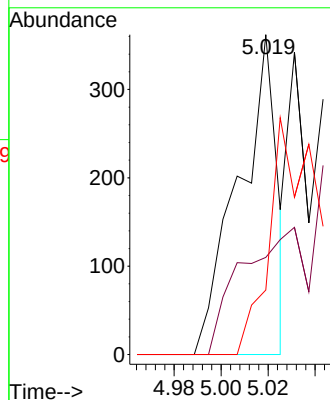
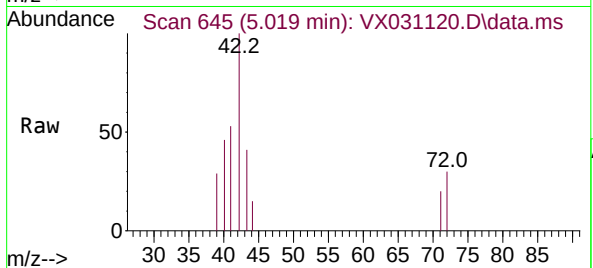
Tgt Ion: 42 Resp: 413

Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

71 84.7 33.9 50.9#



#31

Cyclohexane

Concen: 0.856 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.072 min

Lab File: VX031120.D

Acq: 04 Sep 2022 06:41

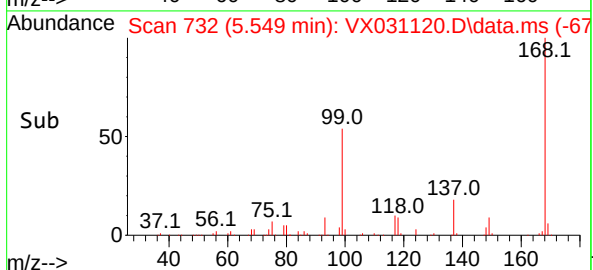
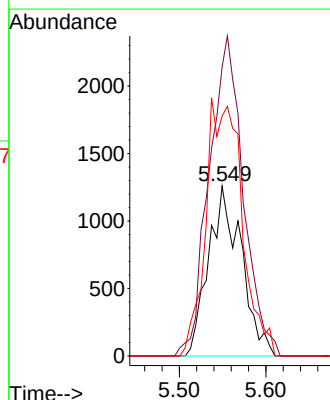
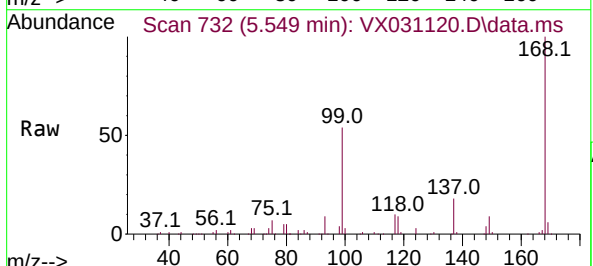
Tgt Ion: 56 Resp: 3308

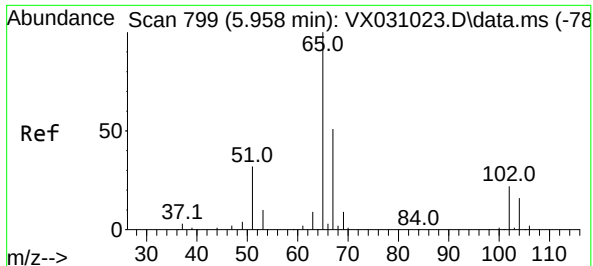
Ion Ratio Lower Upper

56 100

69 170.3 25.4 38.0#

84 154.0 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 47.849 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX031120.D

Acq: 04 Sep 2022 06:41

Instrument :

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ClientSampleId :

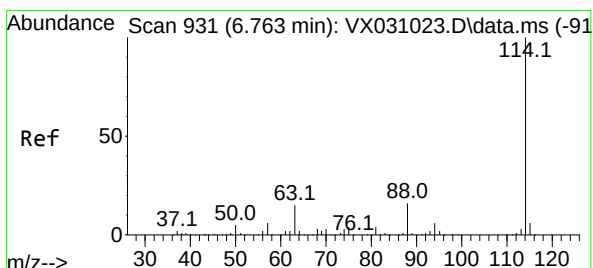
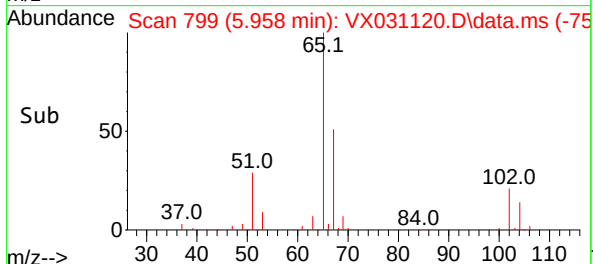
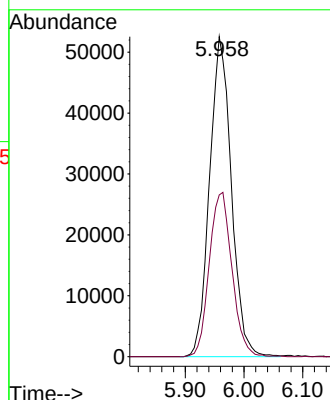
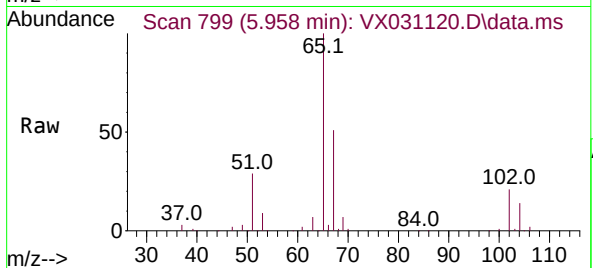
SB-13

Tgt Ion: 65 Resp: 135318

Ion Ratio Lower Upper

65 100

67 53.5 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: VX031120.D

Acq: 04 Sep 2022 06:41

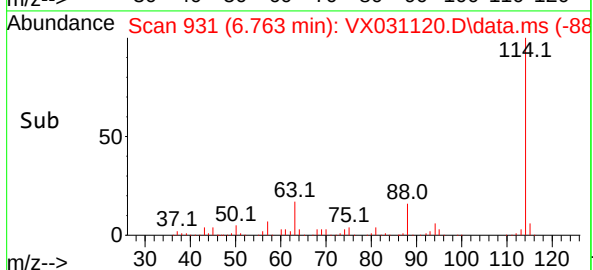
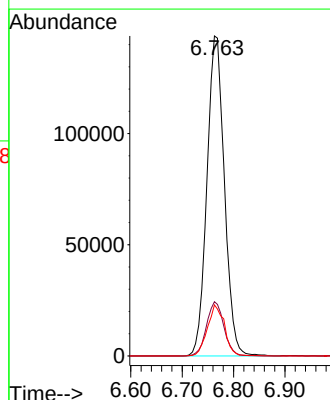
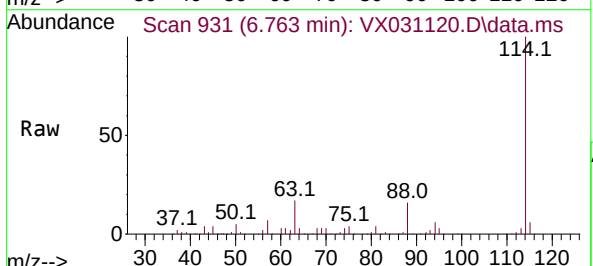
Tgt Ion: 114 Resp: 340134

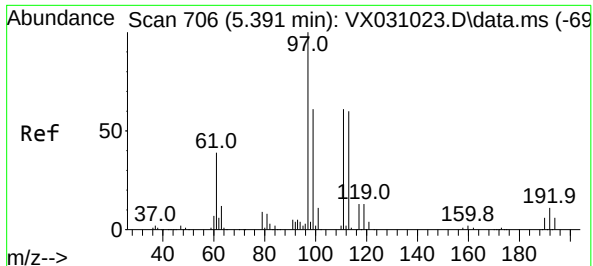
Ion Ratio Lower Upper

114 100

63 17.0 0.0 38.4

88 16.0 0.0 31.8

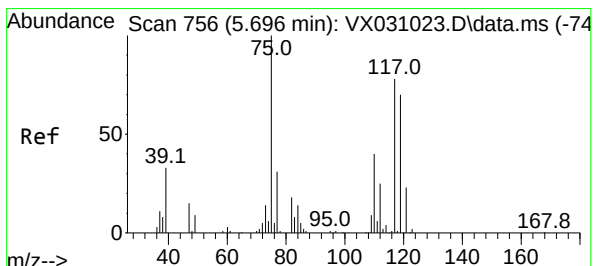
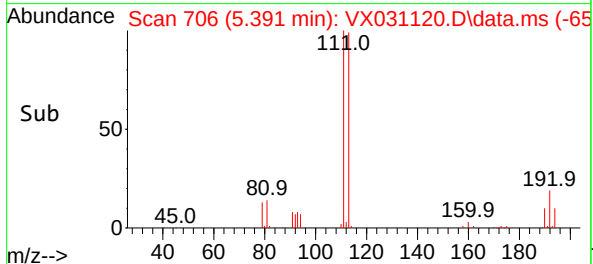
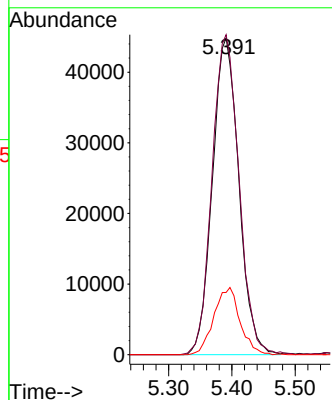
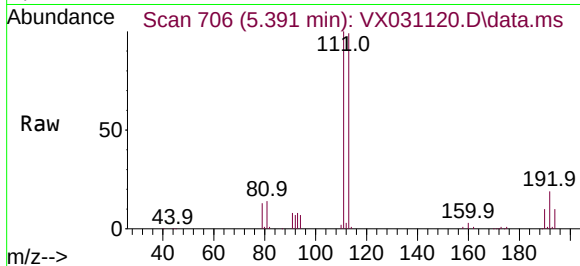




#35
Dibromofluoromethane
Concen: 52.349 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

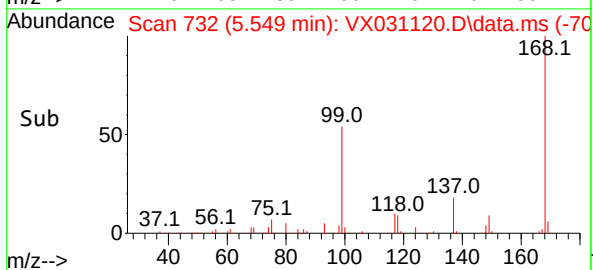
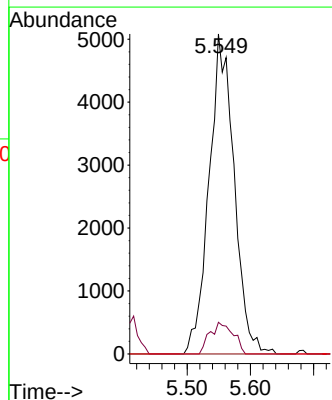
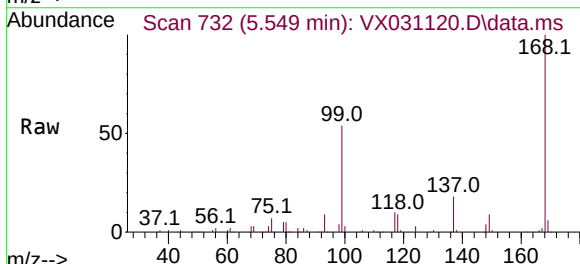
Instrument :
MSVOA_X
ClientSampleId :
SB-13

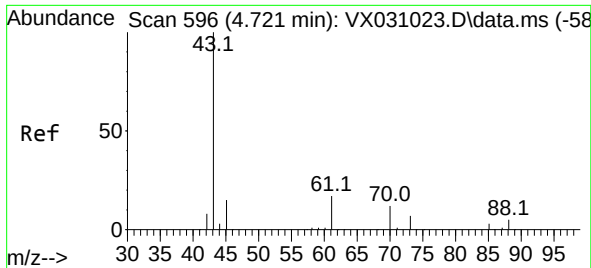
Tgt Ion:113 Resp: 129940
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 21.0 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.017 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.147 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

Tgt Ion: 75 Resp: 13968
Ion Ratio Lower Upper
75 100
110 9.2 19.3 57.9#
77 0.0 24.4 36.6#

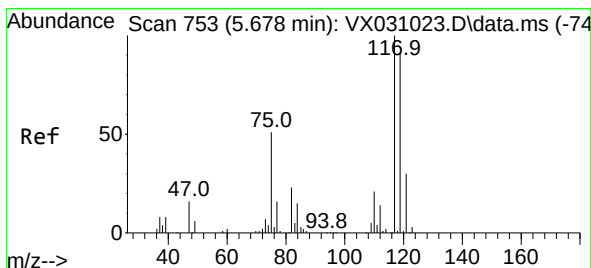
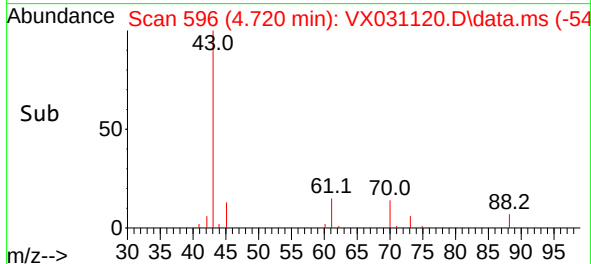
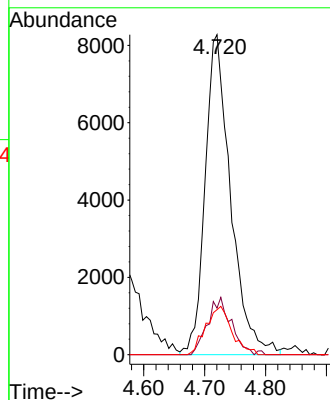
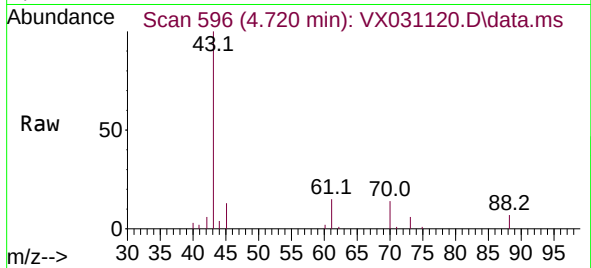




#37
Ethyl Acetate
Concen: 7.984 ug/l
RT: 4.720 min Scan# 596
Delta R.T. -0.001 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

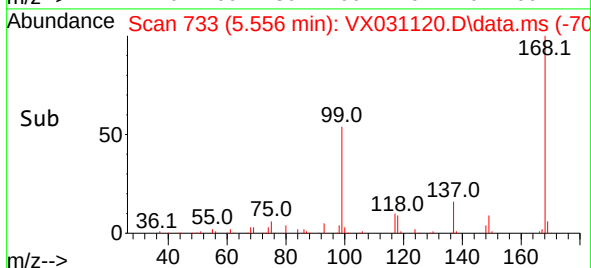
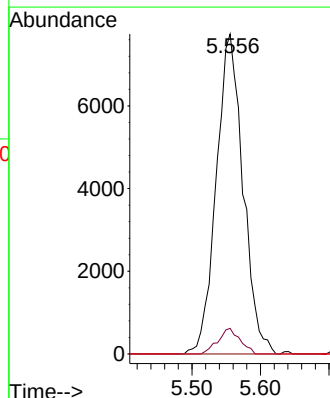
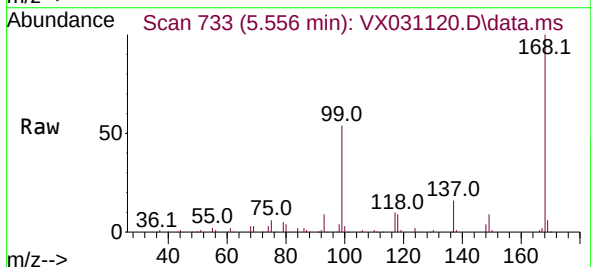
Instrument :
MSVOA_X
ClientSampleId :
SB-13

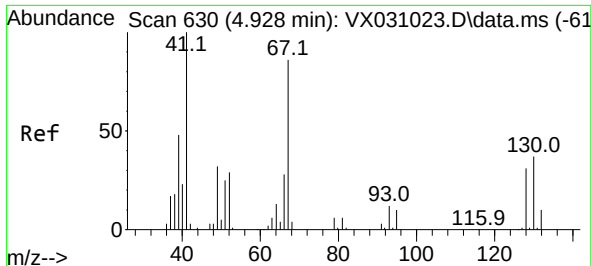
Tgt Ion: 43 Resp: 24119
Ion Ratio Lower Upper
43 100
61 16.4 11.7 17.5
70 15.4 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.802 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

Tgt Ion: 117 Resp: 20939
Ion Ratio Lower Upper
117 100
119 8.0 74.1 111.1#
121 0.0 25.8 38.8#

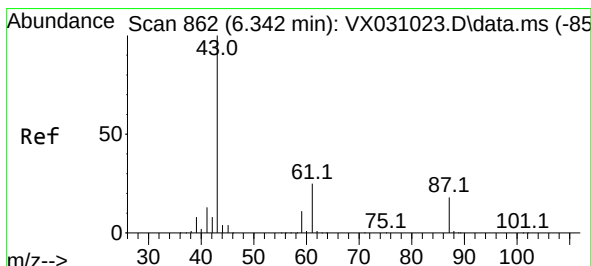
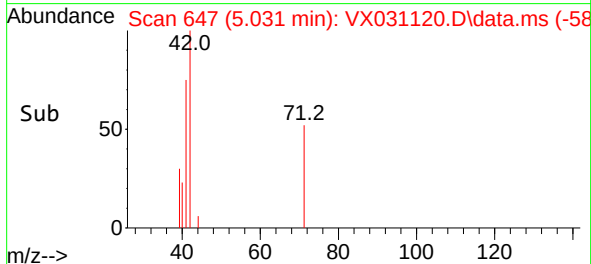
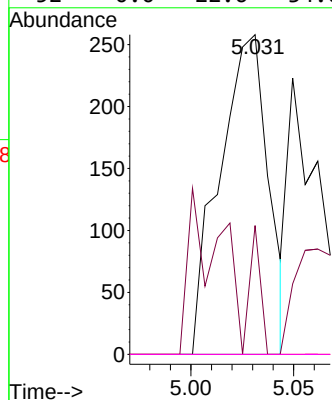
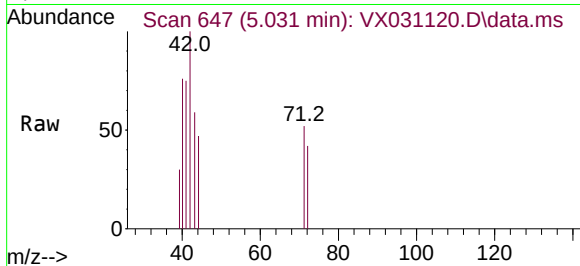




#41
Methacrylonitrile
Concen: 0.265 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.103 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

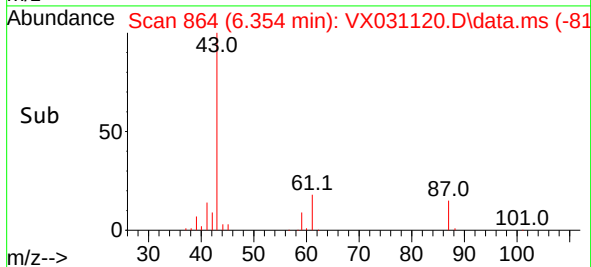
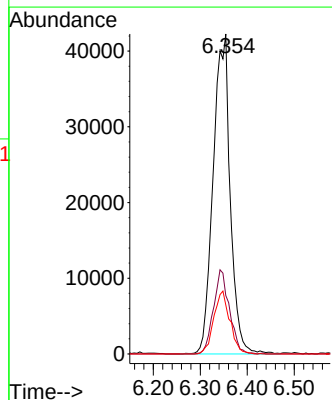
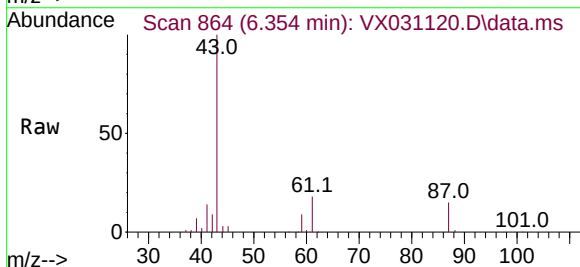
Instrument :
MSVOA_X
ClientSampleId :
SB-13

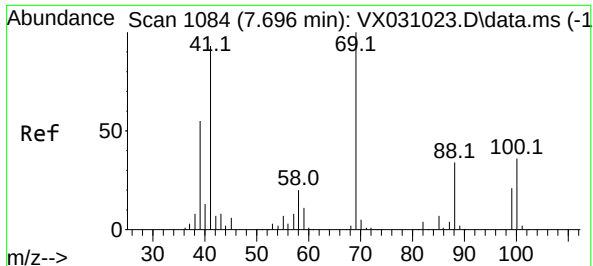
Tgt Ion: 41 Resp: 427
Ion Ratio Lower Upper
41 100
39 0.0 42.9 64.3#
67 0.0 60.1 90.1#
52 0.0 22.6 34.0#



#43
Isopropyl Acetate
Concen: 22.559 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

Tgt Ion: 43 Resp: 106506
Ion Ratio Lower Upper
43 100
61 24.6 16.5 24.7
87 18.6 11.1 16.7#

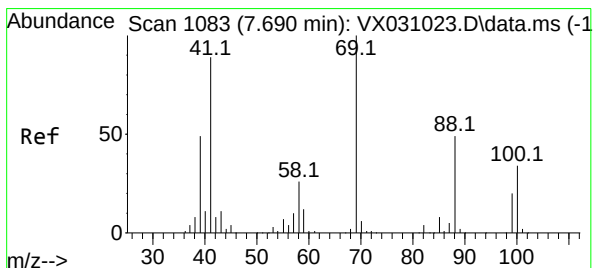
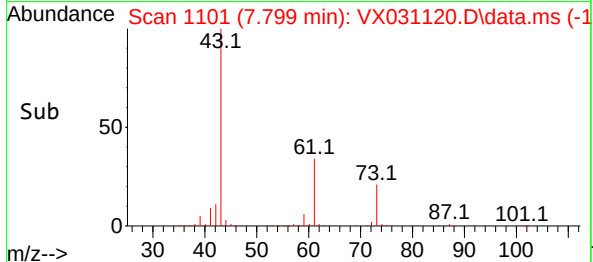
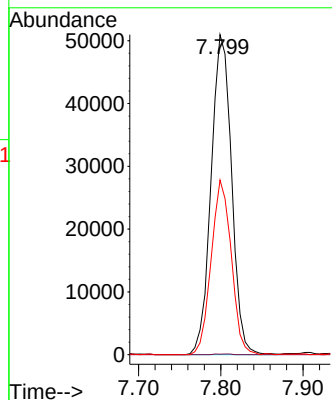
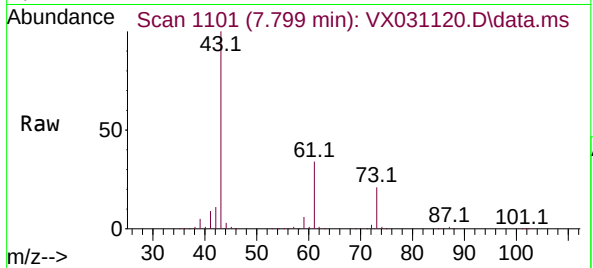




#48
Methyl methacrylate
Concen: 36.981 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

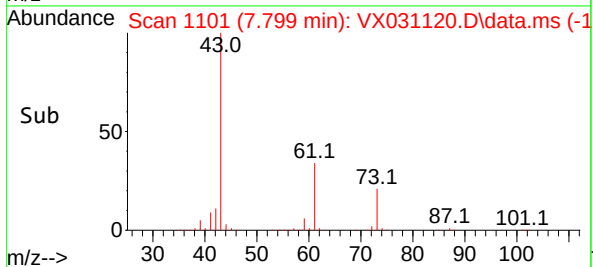
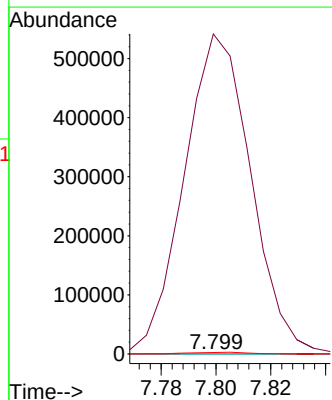
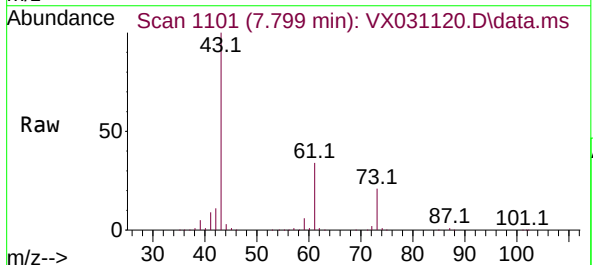
Instrument :
MSVOA_X
ClientSampleId :
SB-13

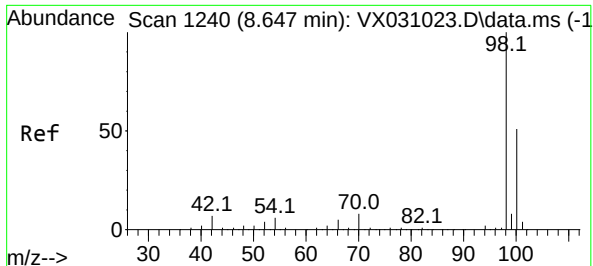
Tgt Ion: 41 Resp: 88145
Ion Ratio Lower Upper
41 100
69 0.2 68.8 103.2#
39 53.6 44.6 66.8



#49
1,4-Dioxane
Concen: 1.117 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.122 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 1139603.7 23.8 35.8#
58 5518.5 53.8 80.6#





#50

Toluene-d8

Concen: 50.243 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031120.D

Acq: 04 Sep 2022 06:41

Instrument :

MSVOA_X

ClientSampleId :

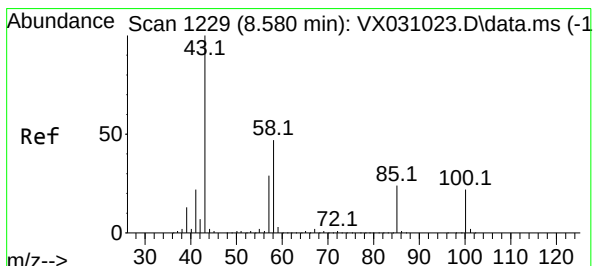
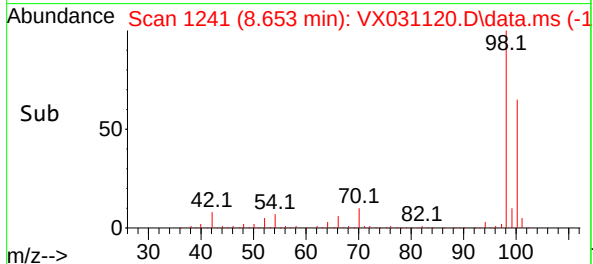
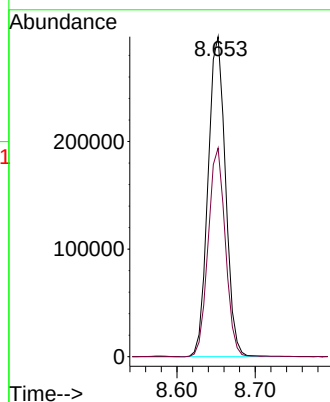
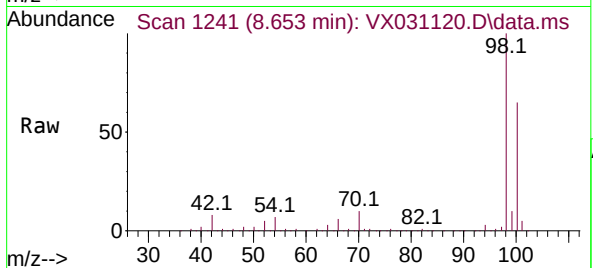
SB-13

Tgt Ion: 98 Resp: 458985

Ion Ratio Lower Upper

98 100

100 64.2 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 26.889 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.031 min

Lab File: VX031120.D

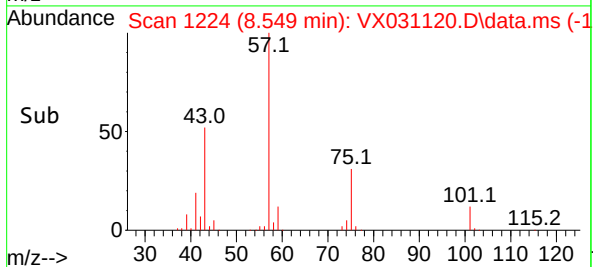
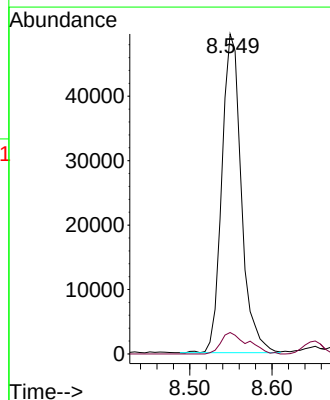
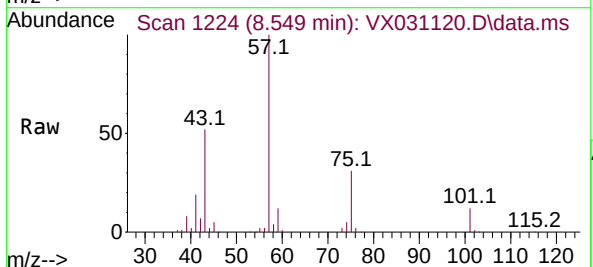
Acq: 04 Sep 2022 06:41

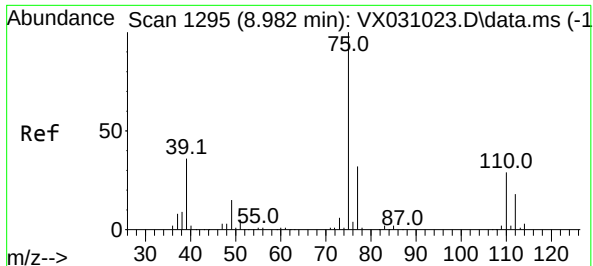
Tgt Ion: 43 Resp: 81610

Ion Ratio Lower Upper

43 100

58 9.2 31.4 47.2#





#53

t-1,3-Dichloropropene

Concen: 0.221 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX031120.D

Acq: 04 Sep 2022 06:41

Instrument :

MSVOA_X

ClientSampleId :

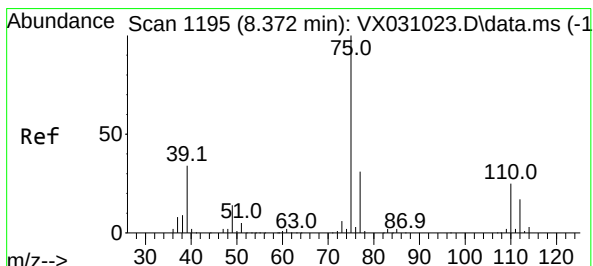
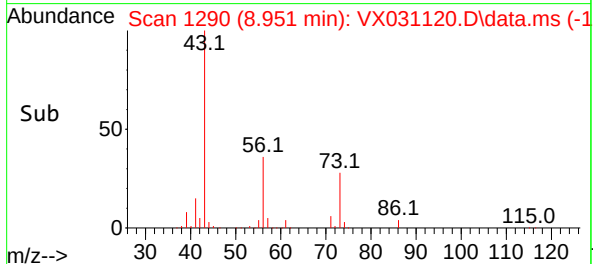
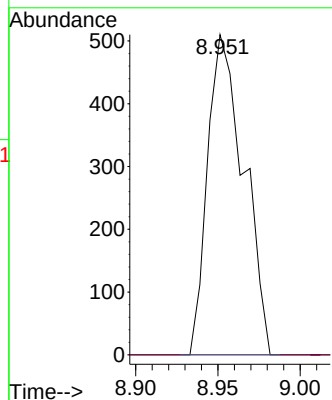
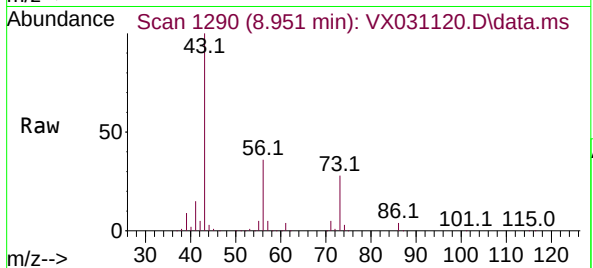
SB-13

Tgt Ion: 75 Resp: 783

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#



#54

cis-1,3-Dichloropropene

Concen: 11.903 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.177 min

Lab File: VX031120.D

Acq: 04 Sep 2022 06:41

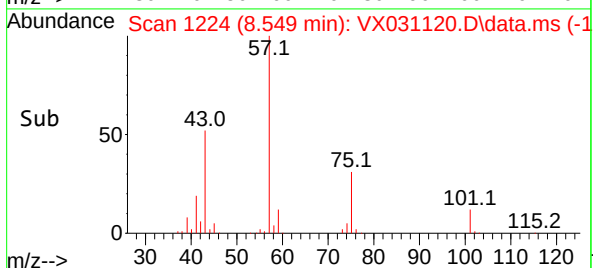
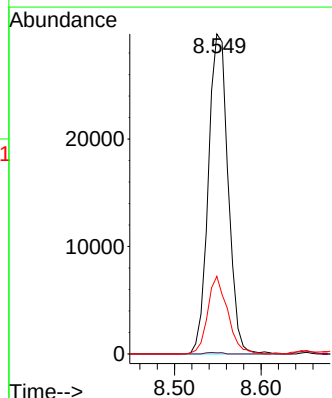
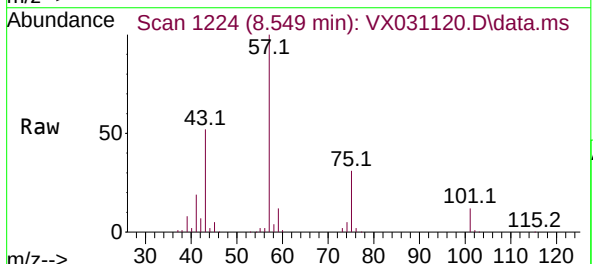
Tgt Ion: 75 Resp: 47147

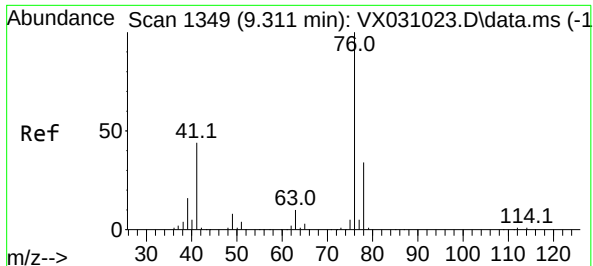
Ion Ratio Lower Upper

75 100

77 0.4 25.0 37.4#

39 24.2 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 1.372 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.171 min

Lab File: VX031120.D

Acq: 04 Sep 2022 06:41

Instrument :

MSVOA_X

ClientSampleId :

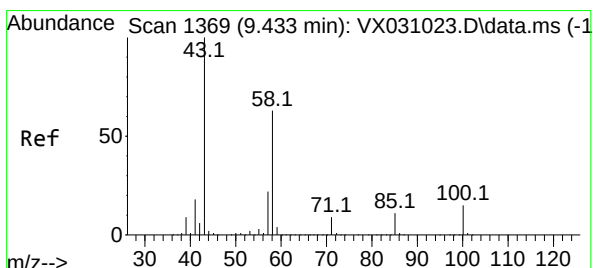
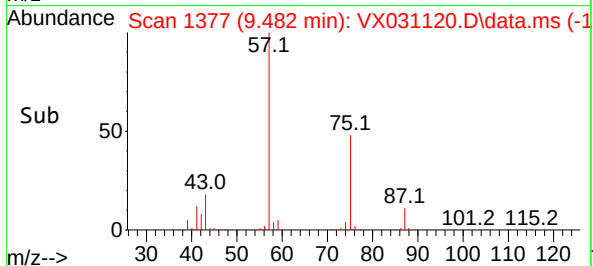
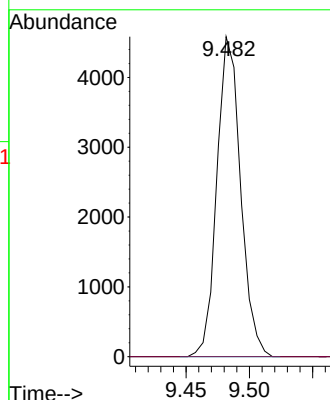
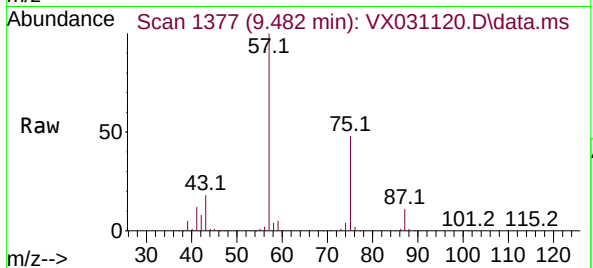
SB-13

Tgt Ion: 76 Resp: 5968

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 39.945 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX031120.D

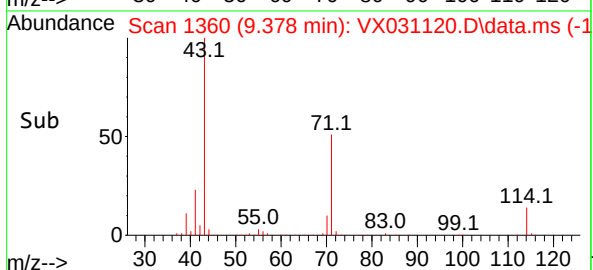
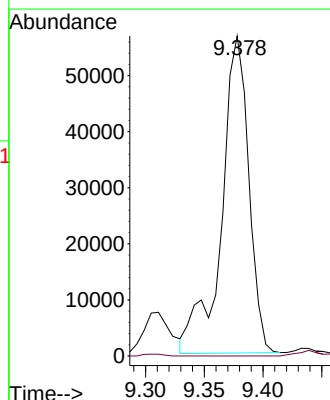
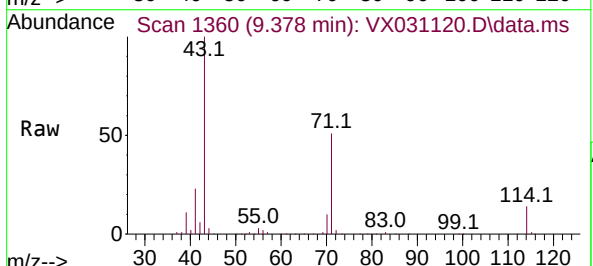
Acq: 04 Sep 2022 06:41

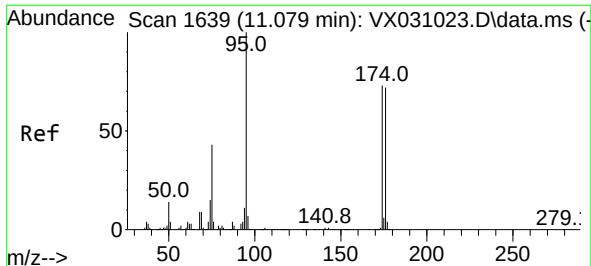
Tgt Ion: 43 Resp: 91680

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#

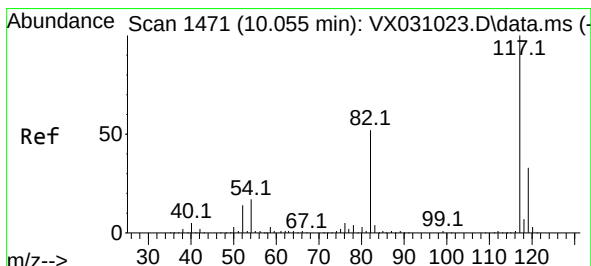
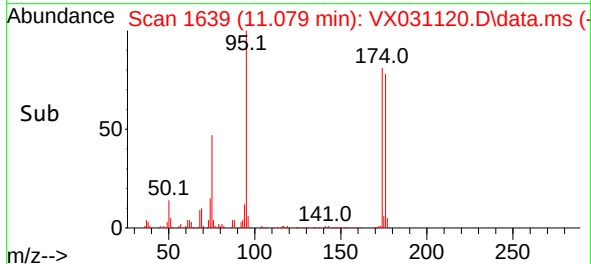
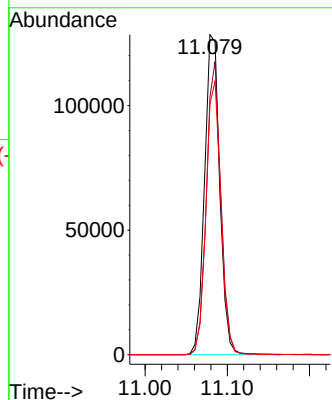
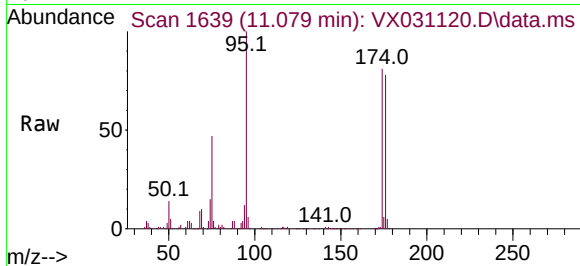




#62
4-Bromofluorobenzene
Concen: 51.051 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

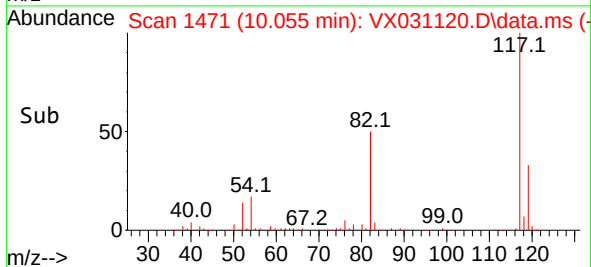
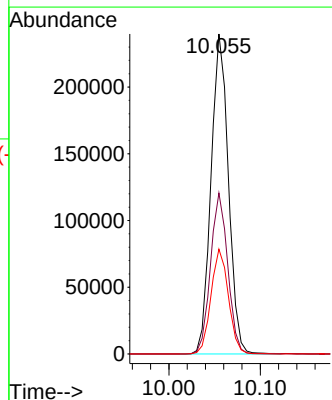
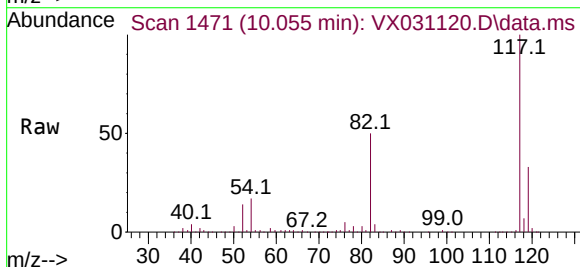
Instrument :
MSVOA_X
ClientSampleId :
SB-13

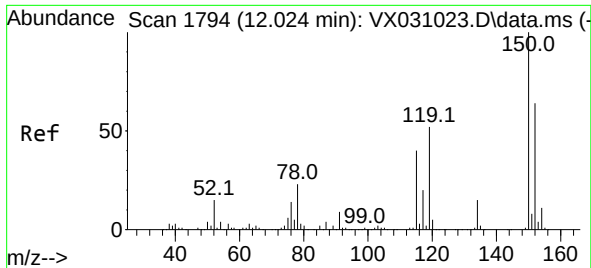
Tgt Ion: 95 Resp: 164720
Ion Ratio Lower Upper
95 100
174 87.5 0.0 149.0
176 84.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

Tgt Ion: 117 Resp: 315803
Ion Ratio Lower Upper
117 100
82 50.3 42.7 64.1
119 32.7 25.4 38.2

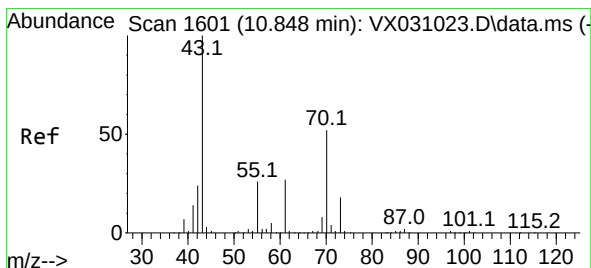
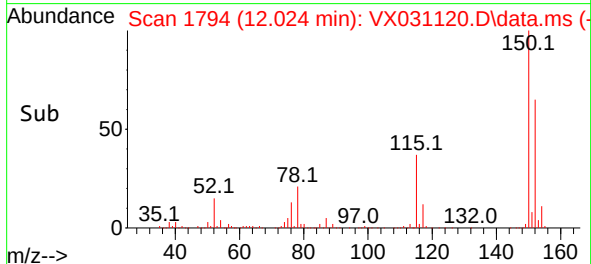
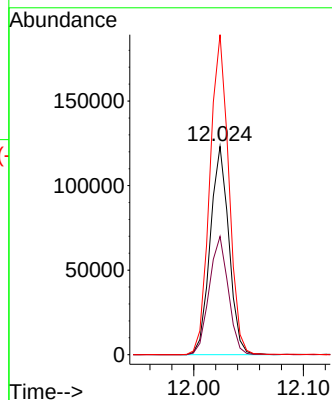
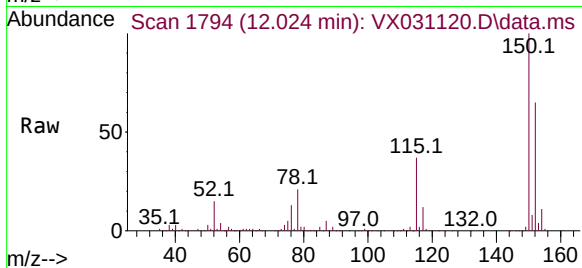




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

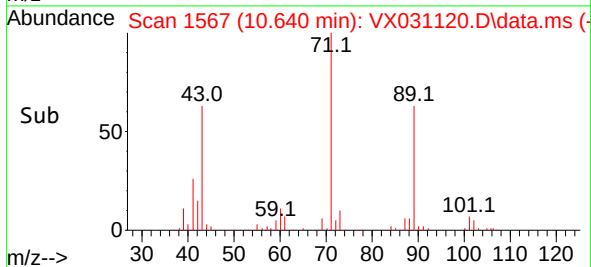
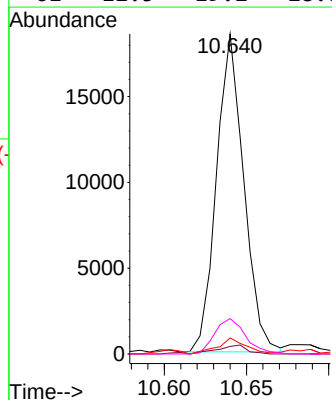
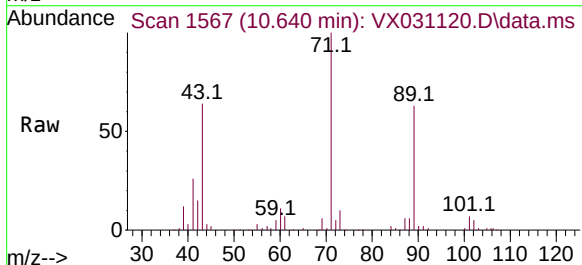
Instrument :
MSVOA_X
ClientSampleId :
SB-13

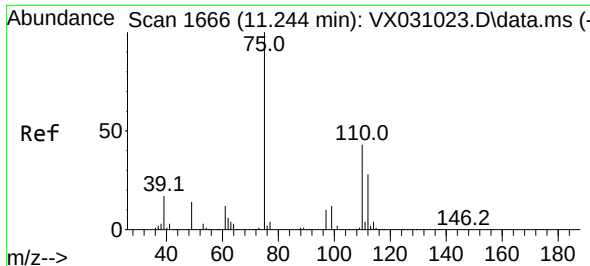
Tgt Ion:152 Resp: 145700
Ion Ratio Lower Upper
152 100
115 57.8 40.5 121.5
150 155.7 0.0 347.0



#74
N-ethyl acetate
Concen: 6.033 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

Tgt Ion: 43 Resp: 21388
Ion Ratio Lower Upper
43 100
70 3.2 32.3 48.5#
55 5.2 18.4 27.6#
61 12.5 19.2 28.8#

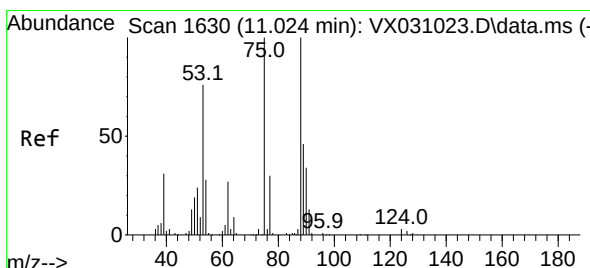
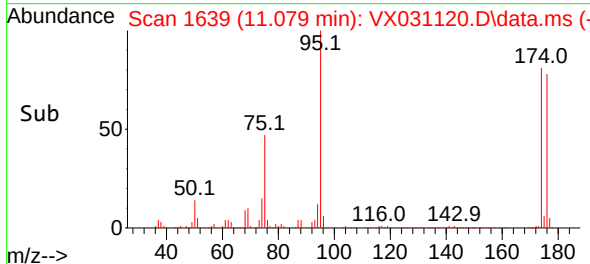
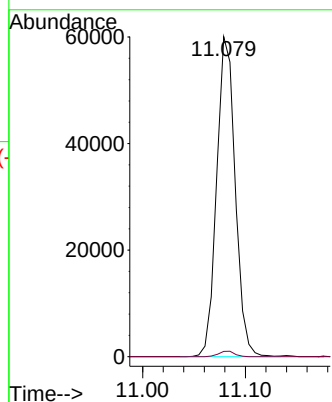
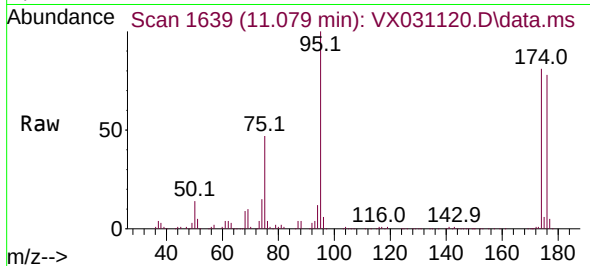




#76
1,2,3-Trichloropropane
Concen: 21.853 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

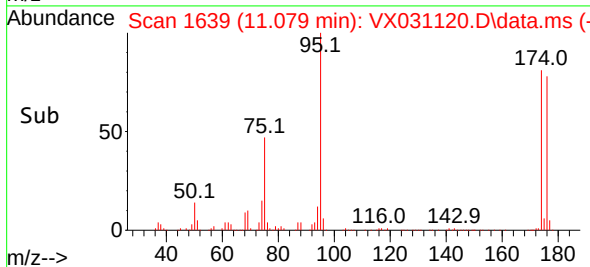
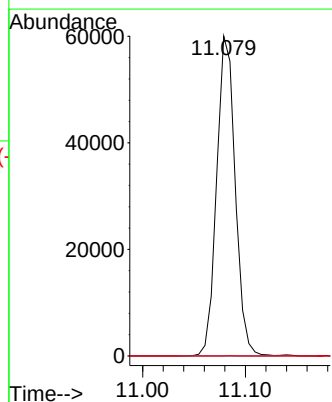
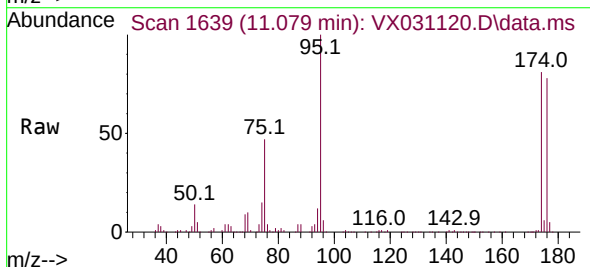
Instrument :
MSVOA_X
ClientSampleId :
SB-13

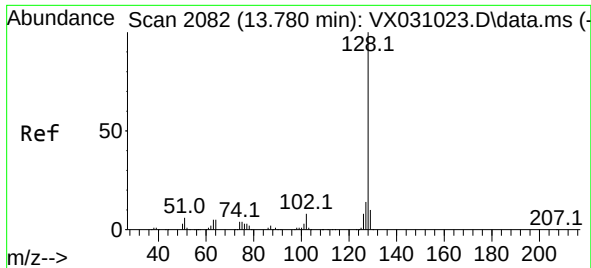
Tgt Ion: 75 Resp: 75268
Ion Ratio Lower Upper
75 100
77 1.5 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.680 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

Tgt Ion: 75 Resp: 75268
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#





#95
Naphthalene
Concen: 1.161 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX031120.D
Acq: 04 Sep 2022 06:41

Instrument :
MSVOA_X
ClientSampleId :
SB-13

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	11.5	8.6	13.0

