

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090622\
 Data File : VX031140.D
 Acq On : 06 Sep 2022 19:57
 Operator : JC/MD
 Sample : N4479-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-10

Quant Time: Sep 07 01:14:35 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)

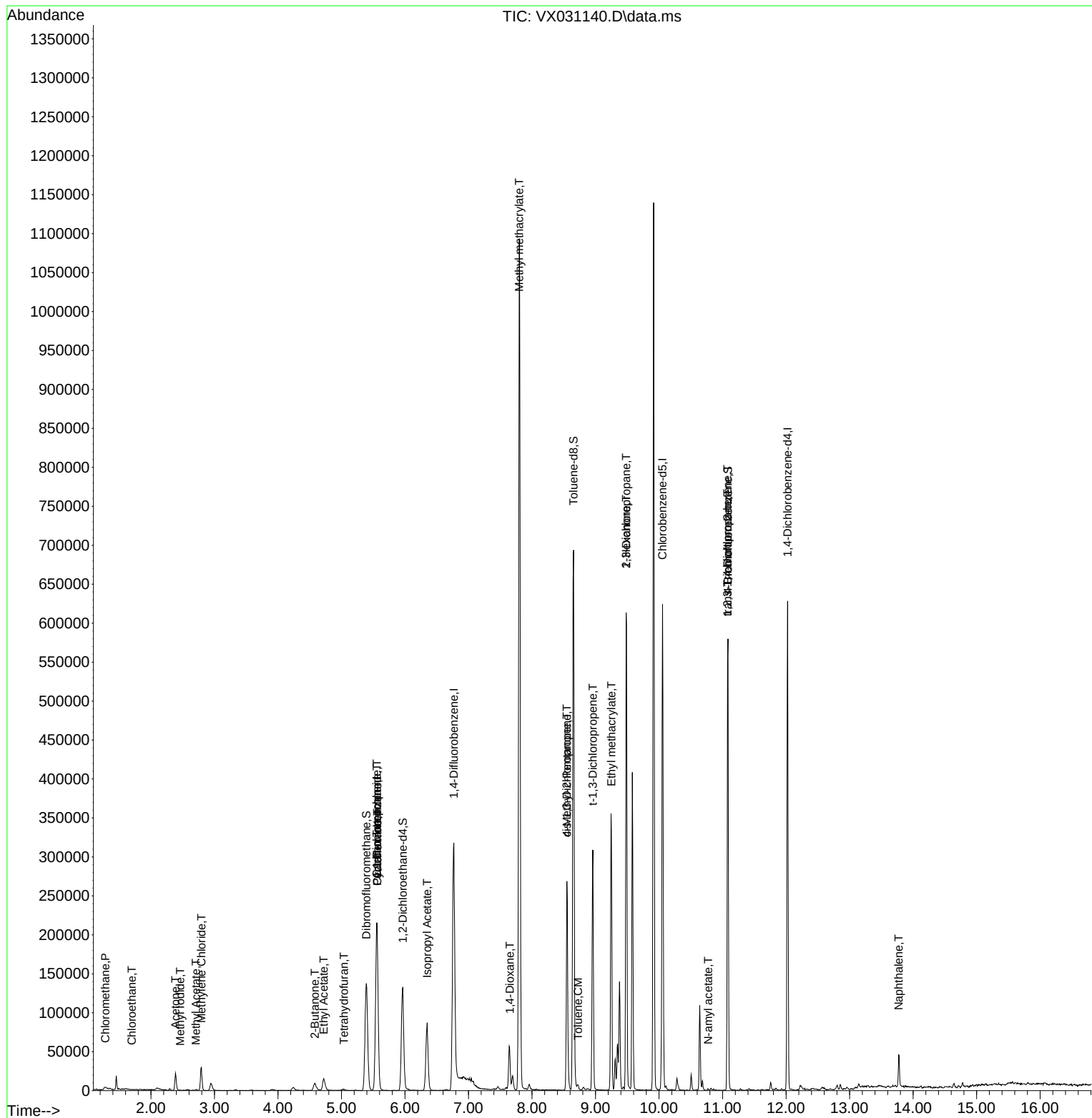
Internal Standards						
1) Pentafluorobenzene	5.562	168	214075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	346355	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	300123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	134531	48.841	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.680%		
35) Dibromofluoromethane	5.391	113	125985	49.844	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.680%		
50) Toluene-d8	8.653	98	442414	47.559	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.120%		
62) 4-Bromofluorobenzene	11.085	95	158654	48.288	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.580%		
Target Compounds					Qvalue	
3) Chloromethane	1.282	50	128	0.760	ug/l #	42
6) Chloroethane	1.697	64	80	1.786	ug/l #	41
10) Methyl Iodide	2.459	142	228	2.995	ug/l #	58
11) Tert butyl alcohol	2.947	59	6417	Below Cal	#	74
16) Acetone	2.386	43	22547	21.203	ug/l	95
18) Methyl Acetate	2.709	43	1599	0.523	ug/l #	81
20) Methylene Chloride	2.794	84	15273	3.882	ug/l #	79
25) 2-Butanone	4.580	43	8272	5.039	ug/l	96
29) Tetrahydrofuran	5.038	42	1293	1.222	ug/l #	87
31) Cyclohexane	5.562	56	3363	0.894	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13805	3.899	ug/l #	50
37) Ethyl Acetate	4.721	43	23449	7.623	ug/l #	91
38) Carbon Tetrachloride	5.556	117	21437	5.833	ug/l #	18
43) Isopropyl Acetate	6.348	43	106893	22.234	ug/l #	90
48) Methyl methacrylate	7.799	41	92462	38.095	ug/l #	42
49) 1,4-Dioxane	7.653	88	20	0.271	ug/l #	25
51) 4-Methyl-2-Pentanone	8.549	43	81860	26.487	ug/l #	52
52) Toluene	8.726	92	2193	0.333	ug/l	87
53) t-1,3-Dichloropropene	8.958	75	909	0.252	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	47718	11.830	ug/l #	56
56) Ethyl methacrylate	9.250	69	924	0.241	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5823	1.314	ug/l #	42
59) 2-Hexanone	9.482	43	65161	27.880	ug/l #	54
74) N-amyl acetate	10.775	43	1058	0.314	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	73342	22.410	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	73342	70.429	ug/l #	12
95) Naphthalene	13.774	128	29052	2.315	ug/l	98

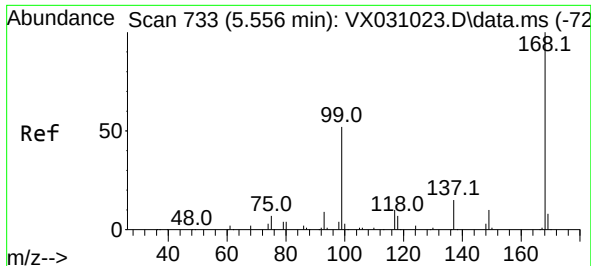
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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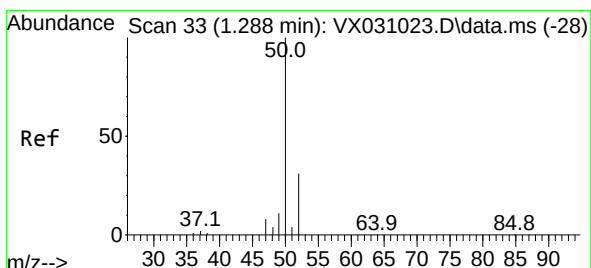
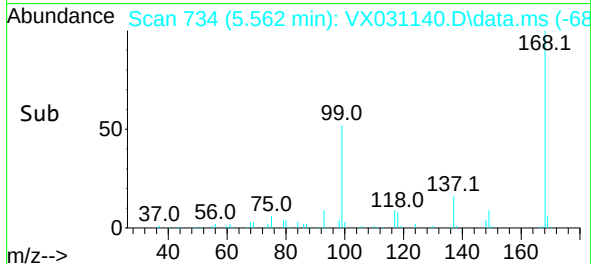
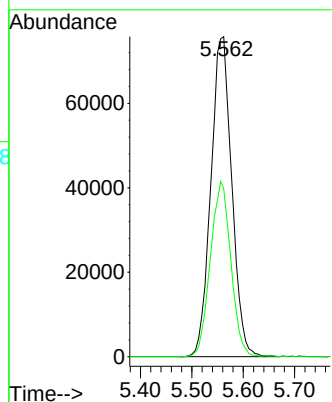
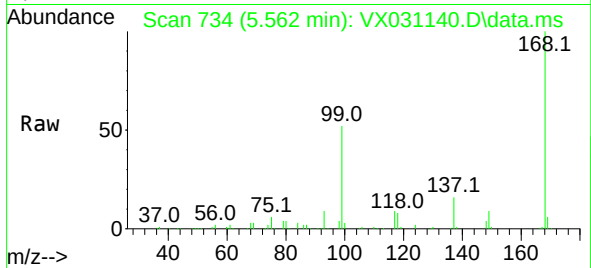




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

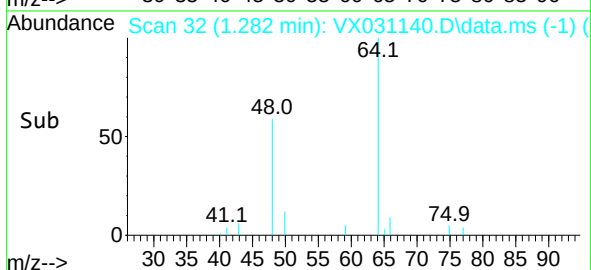
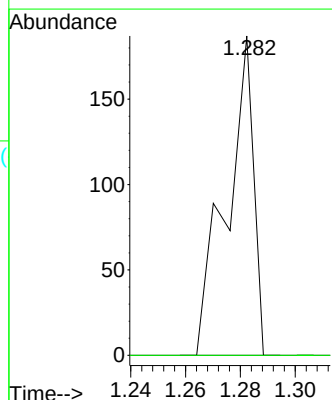
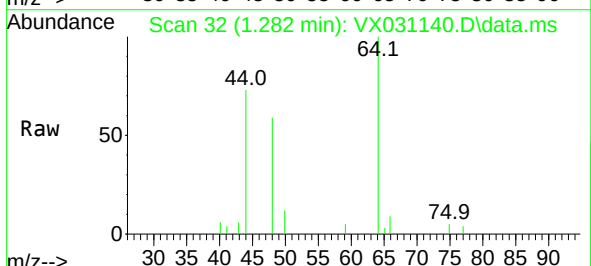
Instrument :
MSVOA_X
ClientSampleId :
SB-10

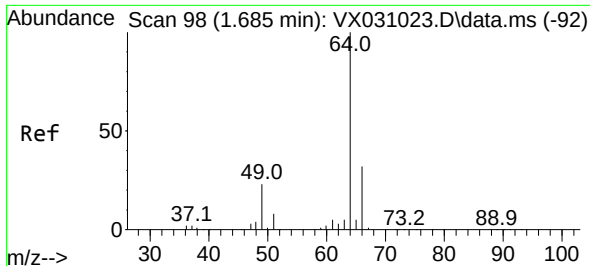
Tgt Ion:168 Resp: 214075
Ion Ratio Lower Upper
168 100
99 52.5 44.0 66.0



#3
Chloromethane
Concen: 0.760 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

Tgt Ion: 50 Resp: 128
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

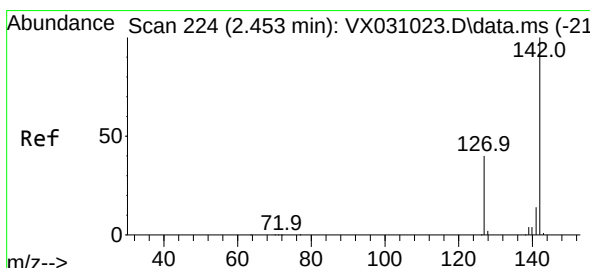
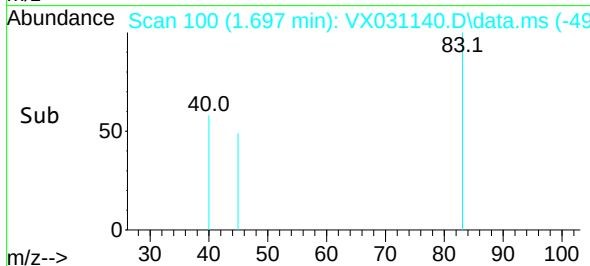
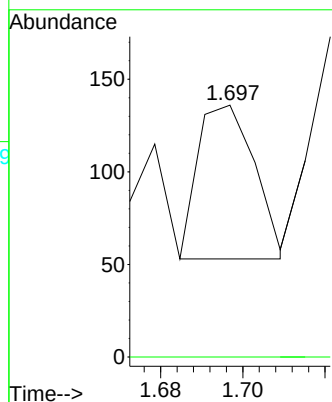
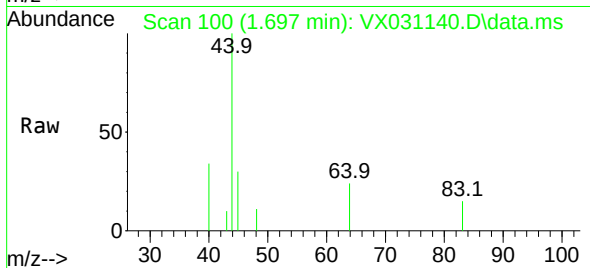




#6
Chloroethane
Concen: 1.786 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

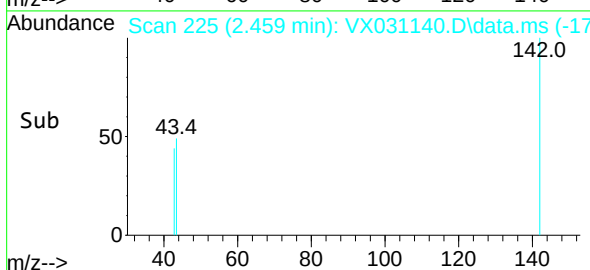
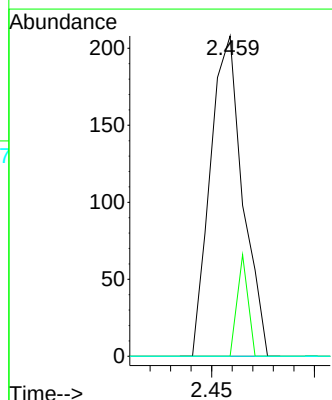
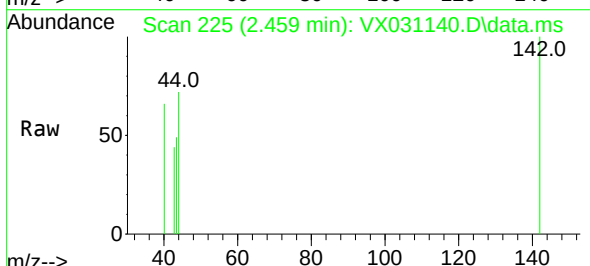
Instrument :
MSVOA_X
ClientSampleId :
SB-10

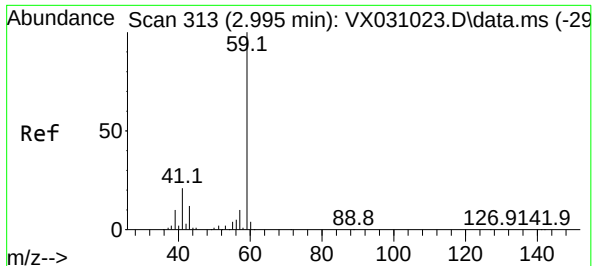
Tgt Ion: 64 Resp: 80
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 2.995 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

Tgt Ion: 142 Resp: 228
Ion Ratio Lower Upper
142 100
127 10.5 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 30

Delta R.T. -0.042 min

Lab File: VX031140.D

Acq: 06 Sep 2022 19:57

Instrument :

MSVOA_X

ClientSampleId :

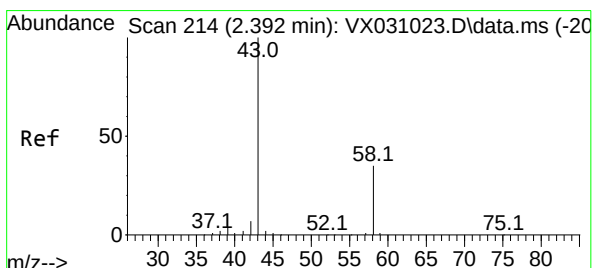
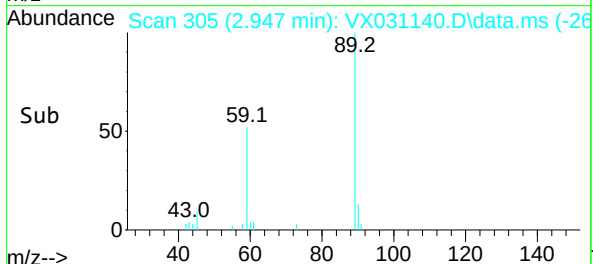
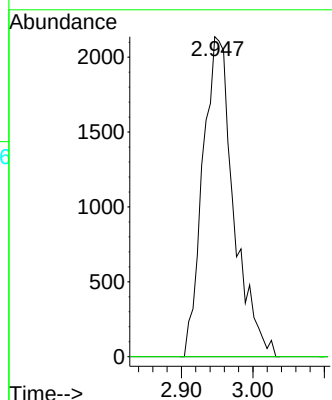
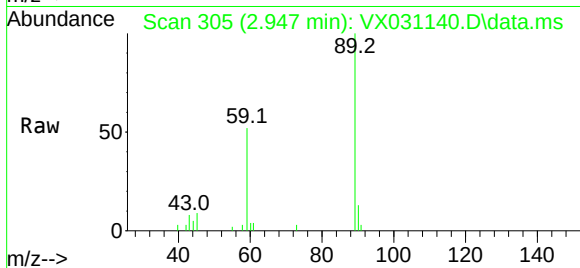
SB-10

Tgt Ion: 59 Resp: 6417

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 21.203 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX031140.D

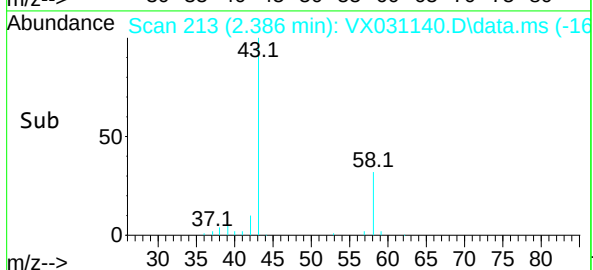
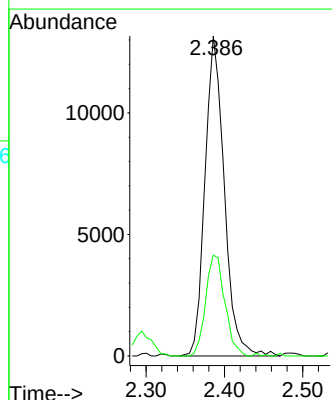
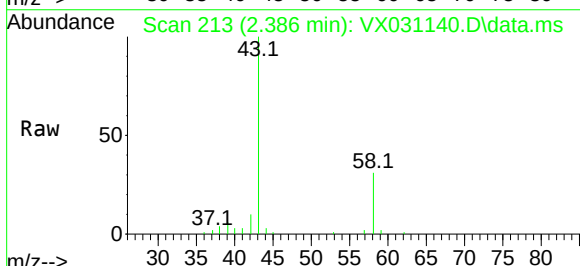
Acq: 06 Sep 2022 19:57

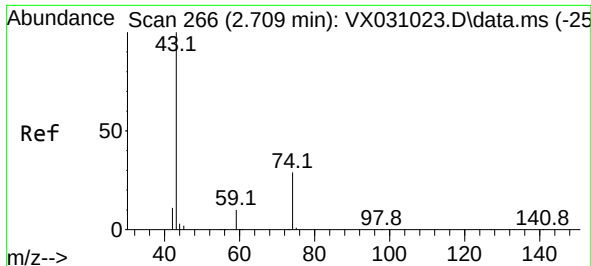
Tgt Ion: 43 Resp: 22547

Ion Ratio Lower Upper

43 100

58 31.5 27.7 41.5

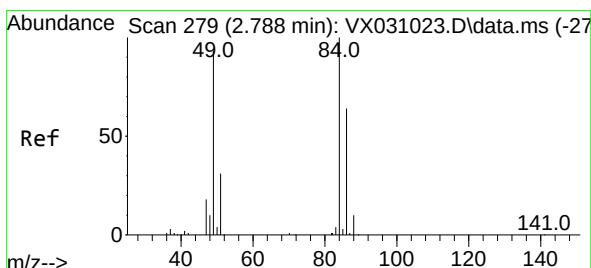
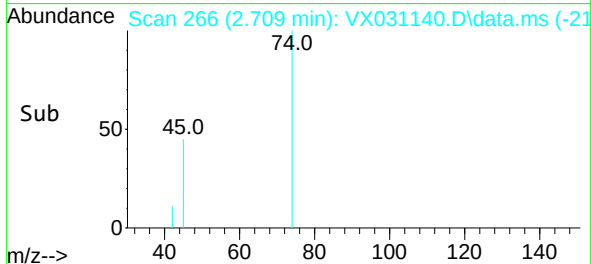
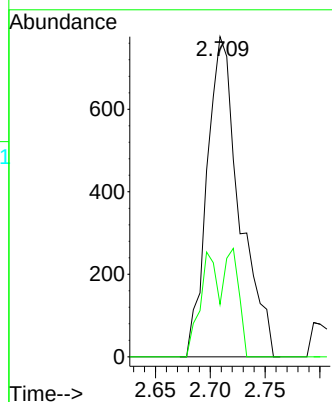
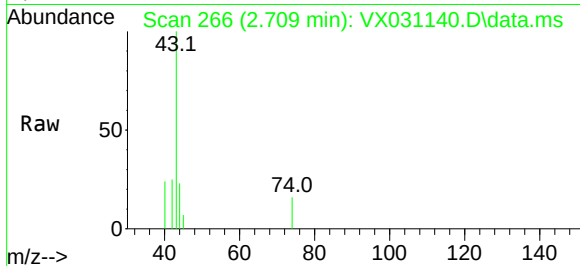




#18
Methyl Acetate
Concen: 0.523 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

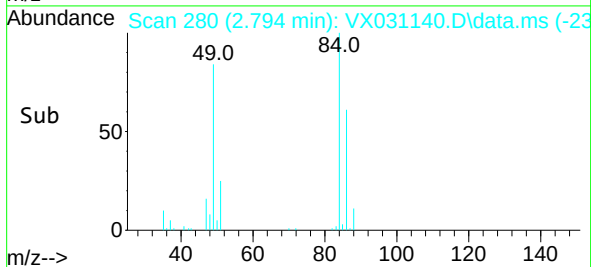
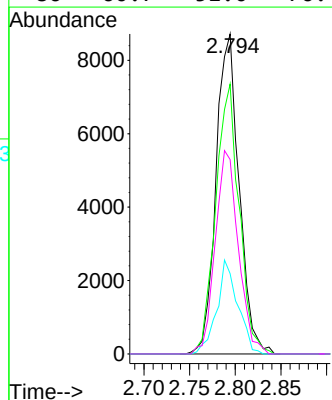
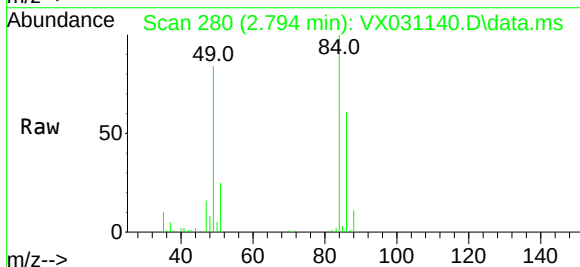
Instrument :
MSVOA_X
ClientSampleId :
SB-10

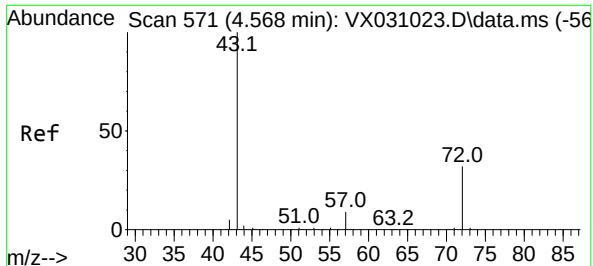
Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
74 14.8 19.4 29.2#



#20
Methylene Chloride
Concen: 3.882 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

Tgt Ion: 84 Resp: 15273
Ion Ratio Lower Upper
84 100
49 84.4 93.8 140.6#
51 25.1 29.4 44.0#
86 60.7 51.0 76.4





#25

2-Butanone

Concen: 5.039 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX031140.D

Acq: 06 Sep 2022 19:57

Instrument :

MSVOA_X

ClientSampleId :

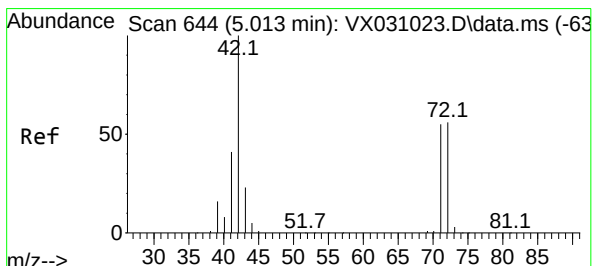
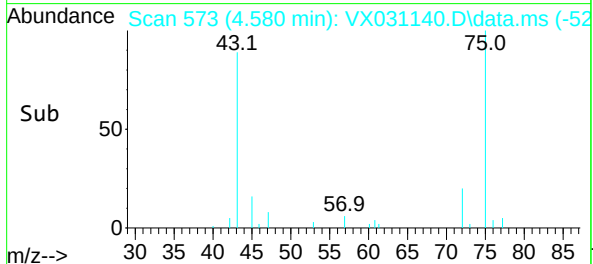
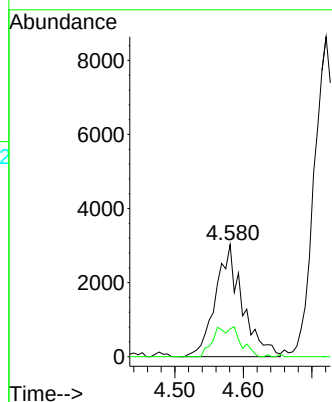
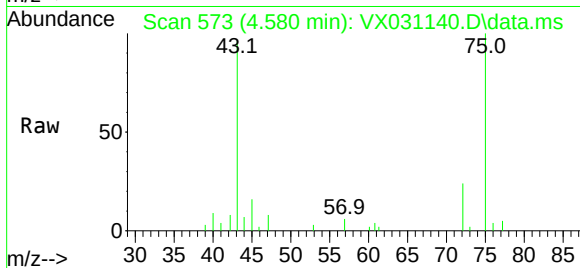
SB-10

Tgt Ion: 43 Resp: 8272

Ion Ratio Lower Upper

43 100

72 24.8 21.7 32.5



#29

Tetrahydrofuran

Concen: 1.222 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.025 min

Lab File: VX031140.D

Acq: 06 Sep 2022 19:57

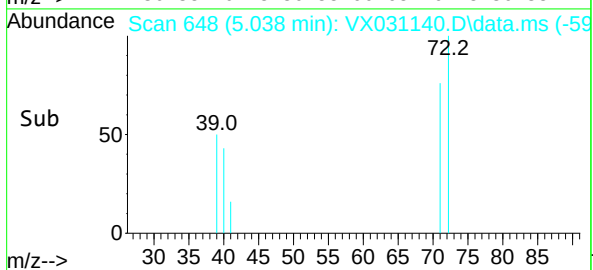
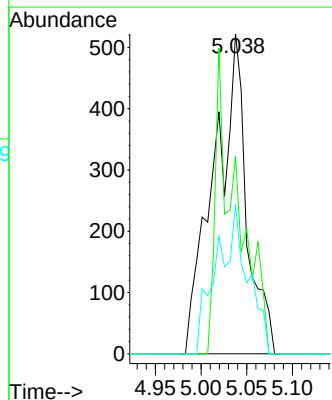
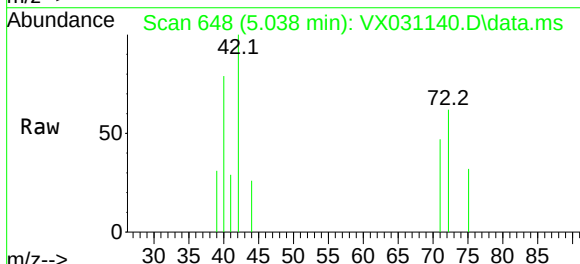
Tgt Ion: 42 Resp: 1293

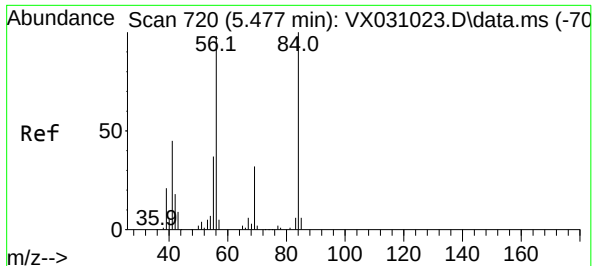
Ion Ratio Lower Upper

42 100

72 31.7 36.5 54.7#

71 44.8 33.9 50.9

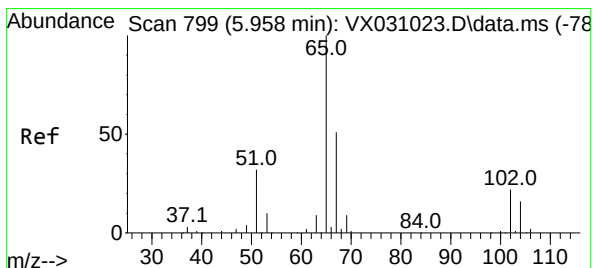
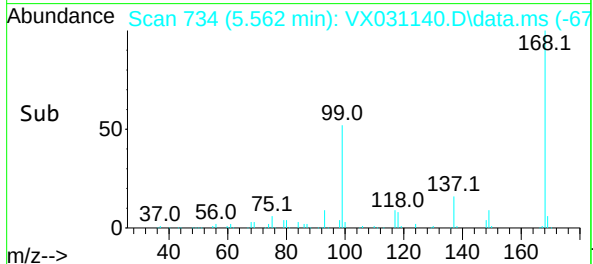
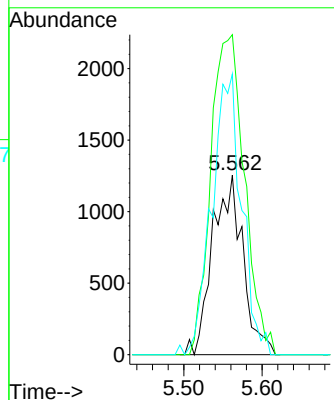
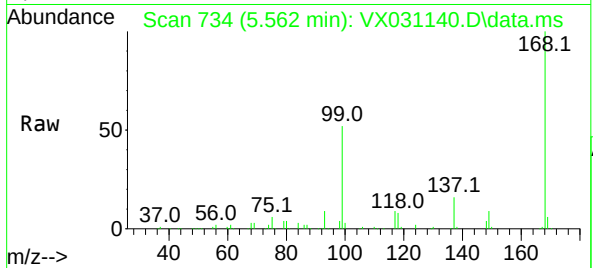




#31
Cyclohexane
Concen: 0.894 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

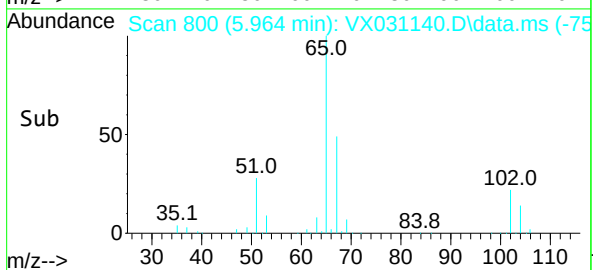
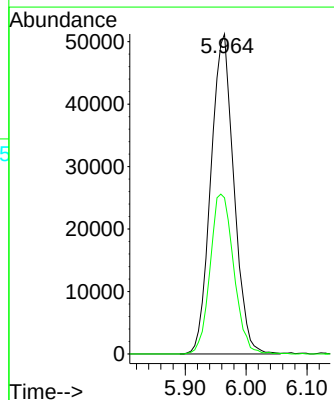
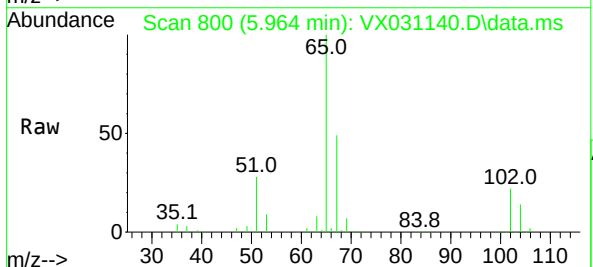
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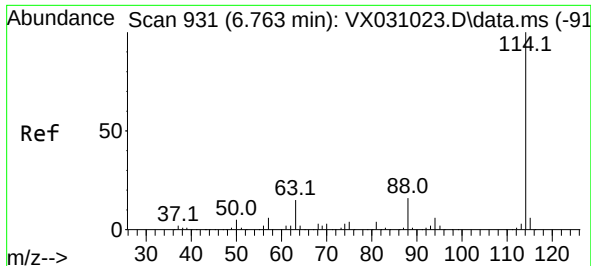
Tgt Ion: 56 Resp: 3363
Ion Ratio Lower Upper
56 100
69 178.2 25.4 38.0#
84 156.3 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 48.841 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

Tgt Ion: 65 Resp: 134531
Ion Ratio Lower Upper
65 100
67 51.4 0.0 109.6

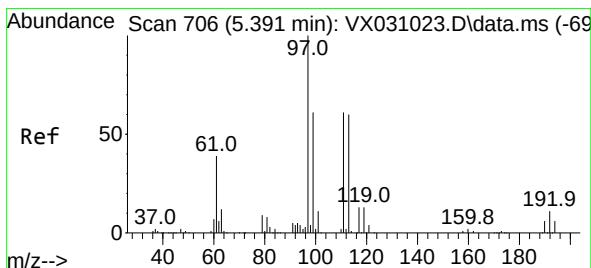
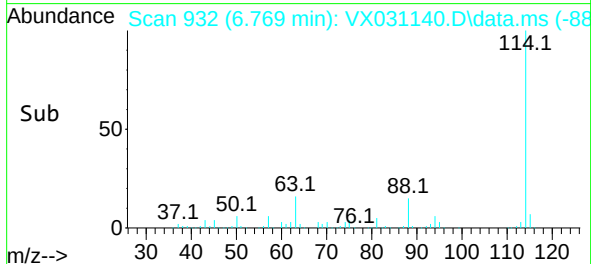
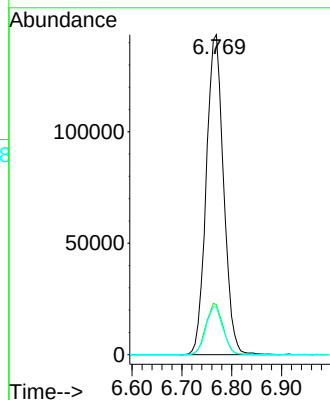
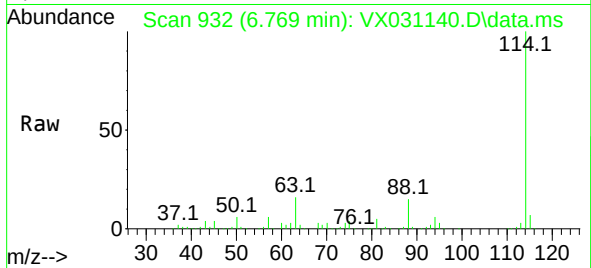




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

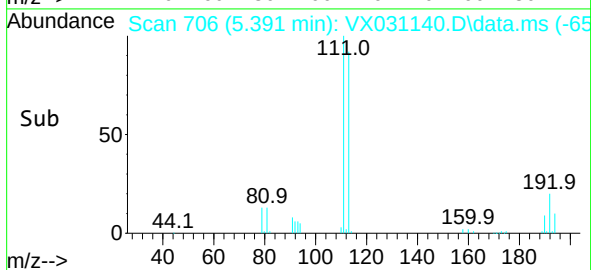
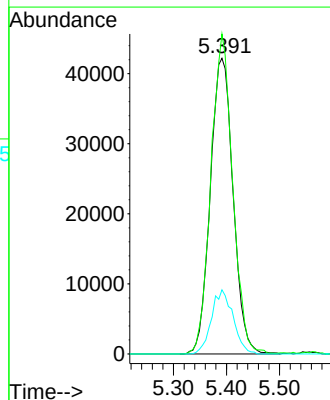
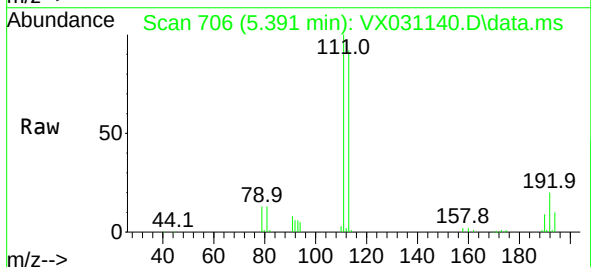
Instrument :
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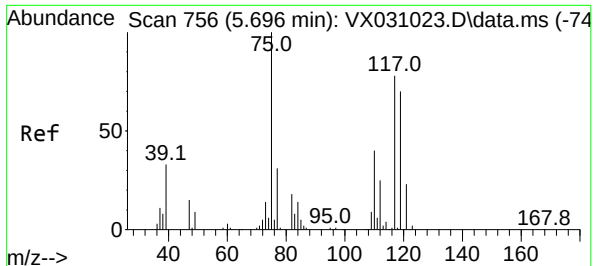
Tgt Ion:114 Resp: 346355
Ion Ratio Lower Upper
114 100
63 15.6 0.0 38.4
88 14.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.844 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

Tgt Ion:113 Resp: 125985
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 20.6 14.8 22.2

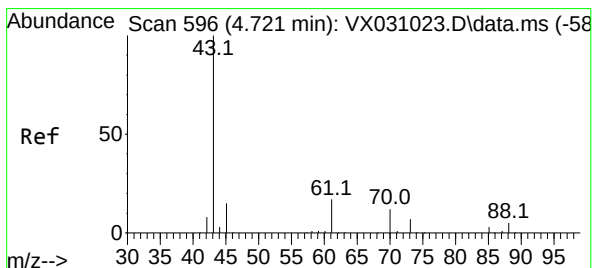
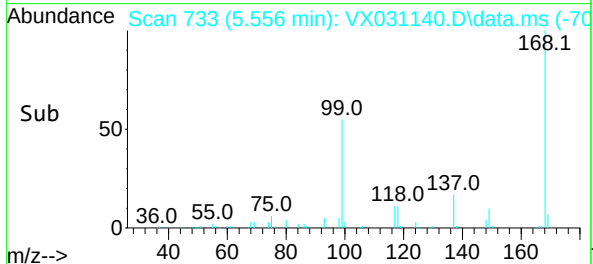
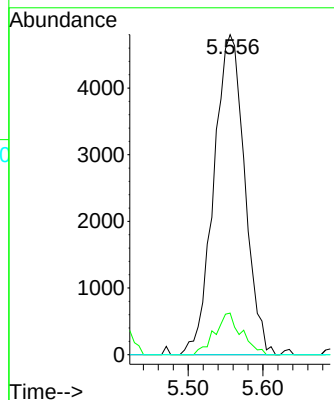
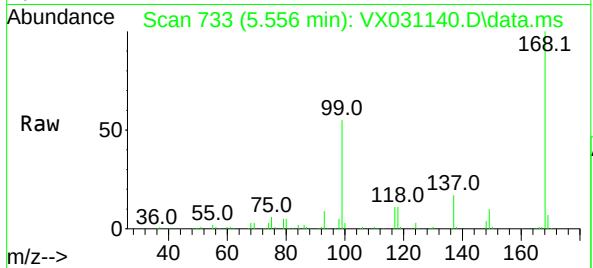




#36
1,1-Dichloropropene
Concen: 3.899 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

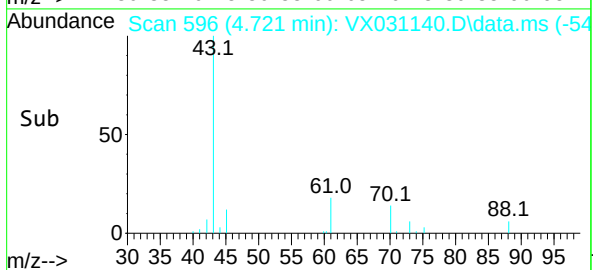
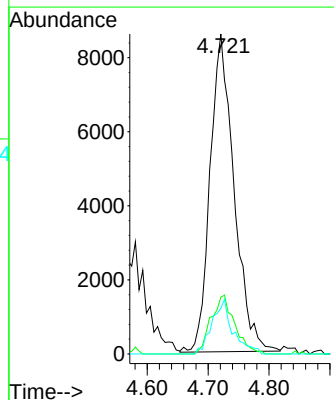
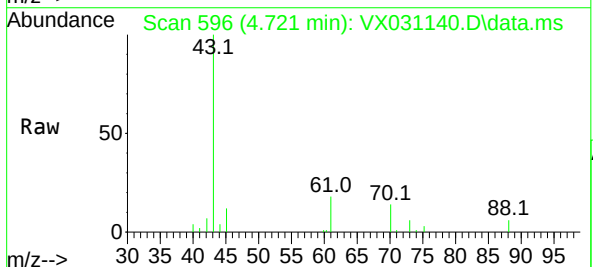
Instrument :
MSVOA_X
ClientSampleId :
SB-10

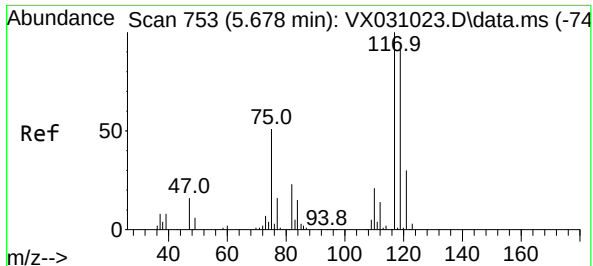
Tgt Ion: 75 Resp: 13805
Ion Ratio Lower Upper
75 100
110 11.2 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 7.623 ug/l
RT: 4.721 min Scan# 596
Delta R.T. -0.000 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

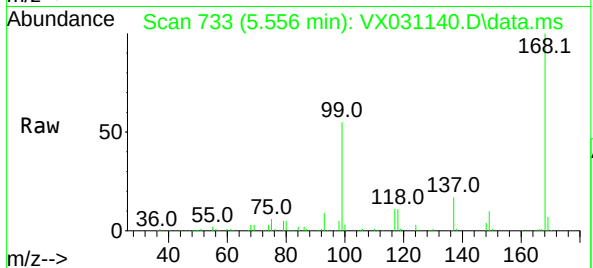
Tgt Ion: 43 Resp: 23449
Ion Ratio Lower Upper
43 100
61 18.2 11.7 17.5#
70 15.0 9.3 13.9#



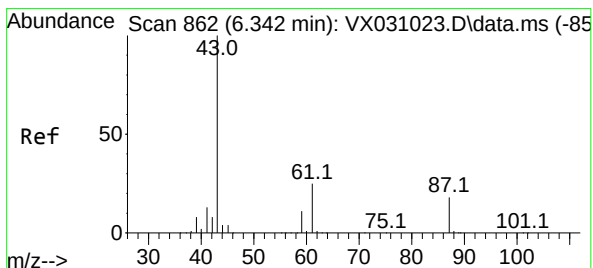
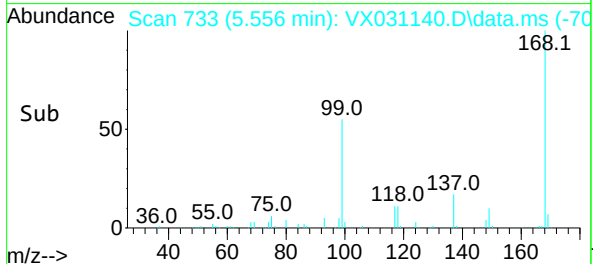
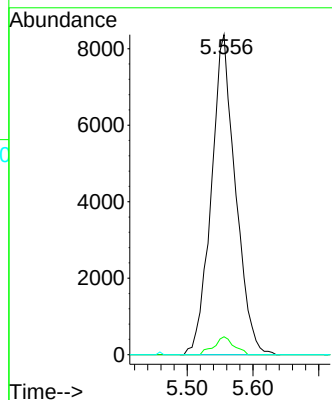


#38
Carbon Tetrachloride
Concen: 5.833 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

Instrument :
MSVOA_X
ClientSampleId :
SB-10

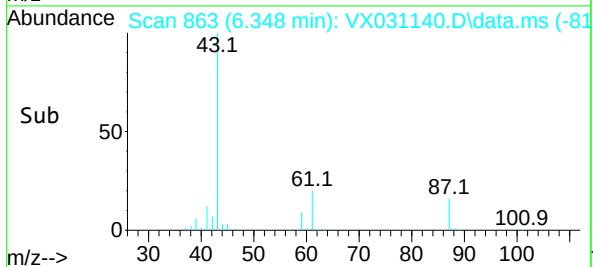
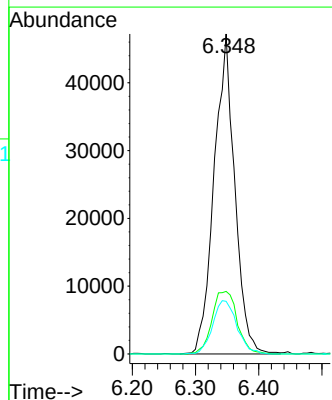
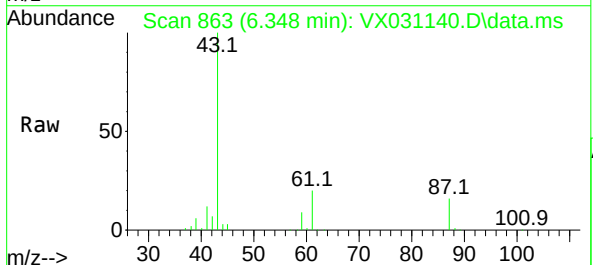


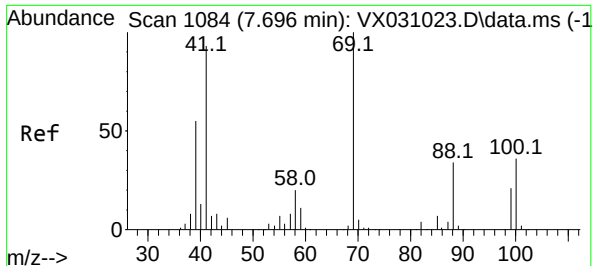
Tgt Ion:117 Resp: 21437
Ion Ratio Lower Upper
117 100
119 5.6 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 22.234 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

Tgt Ion: 43 Resp: 106893
Ion Ratio Lower Upper
43 100
61 23.9 16.5 24.7
87 19.5 11.1 16.7#

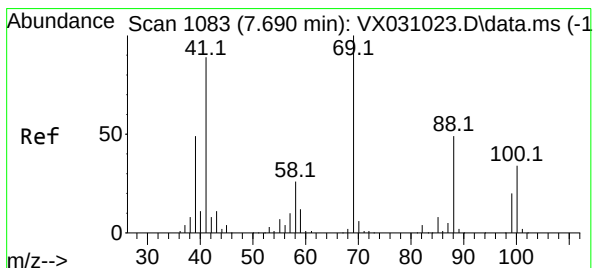
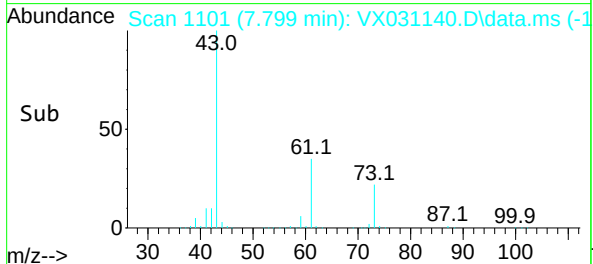
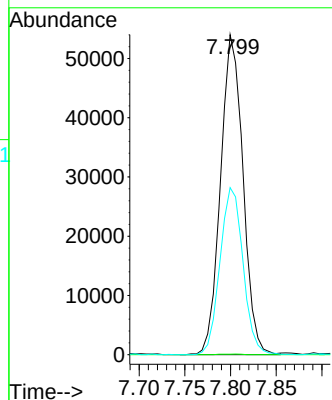
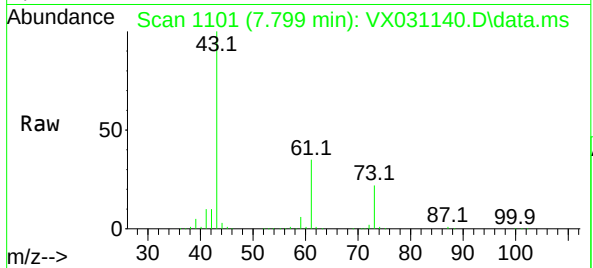




#48
Methyl methacrylate
Concen: 38.095 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

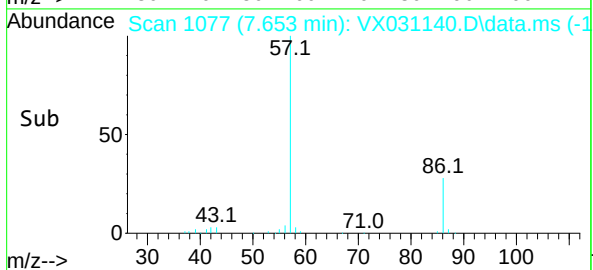
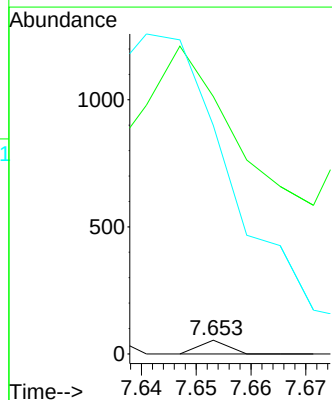
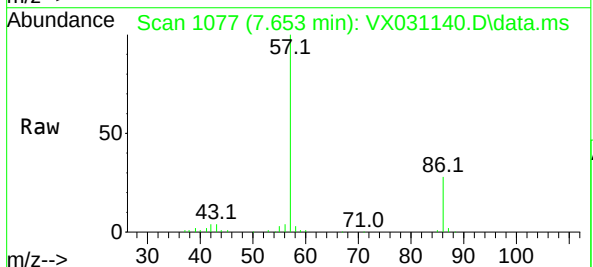
Instrument :
MSVOA_X
ClientSampleId :
SB-10

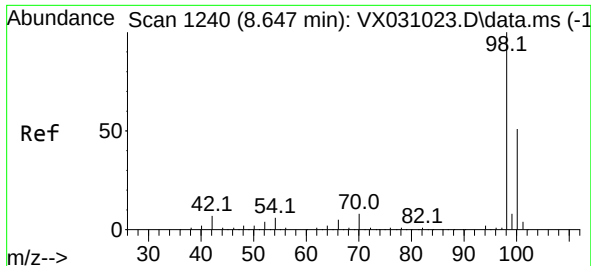
Tgt Ion: 41 Resp: 92462
Ion Ratio Lower Upper
41 100
69 0.2 68.8 103.2#
39 53.5 44.6 66.8



#49
1,4-Dioxane
Concen: 0.271 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. -0.024 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 0.0 53.8 80.6#

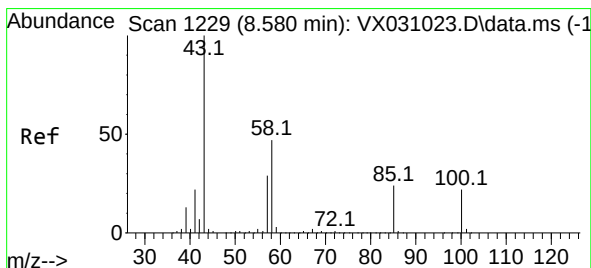
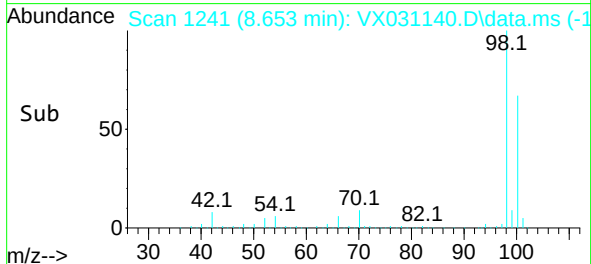
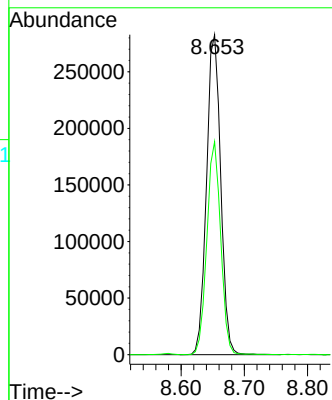
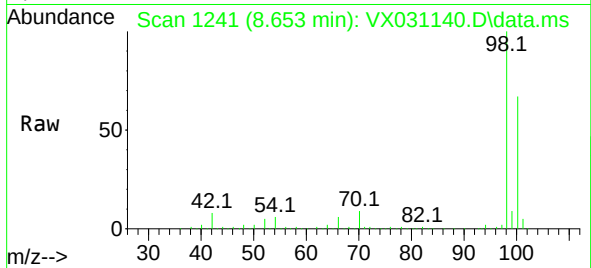




#50
Toluene-d8
Concen: 47.559 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

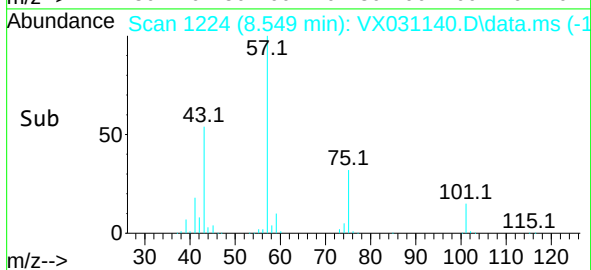
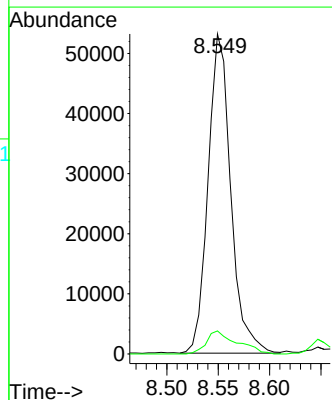
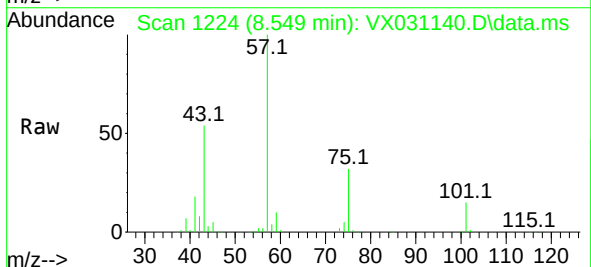
Instrument :
MSVOA_X
ClientSampleId :
SB-10

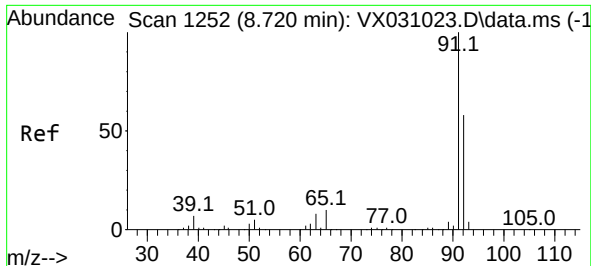
Tgt Ion: 98 Resp: 442414
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 26.487 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

Tgt Ion: 43 Resp: 81860
Ion Ratio Lower Upper
43 100
58 9.7 31.4 47.2#

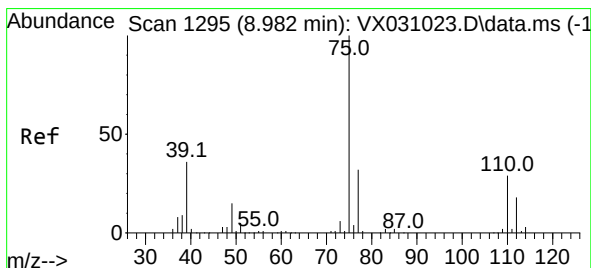
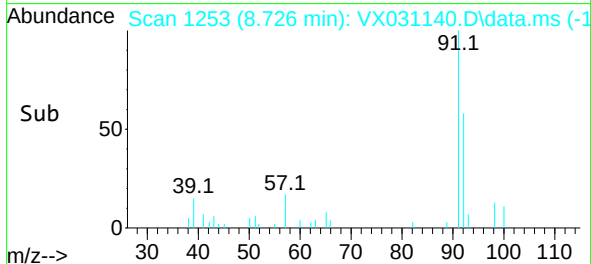
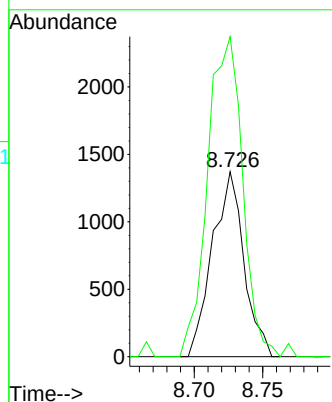
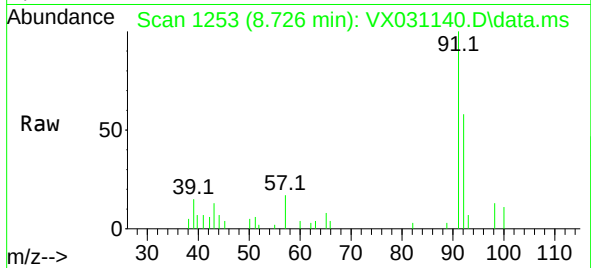




#52
Toluene
Concen: 0.333 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

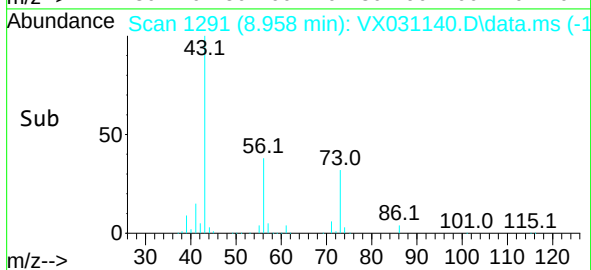
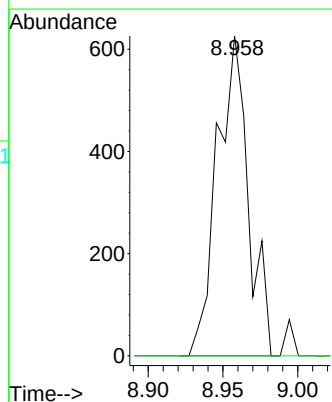
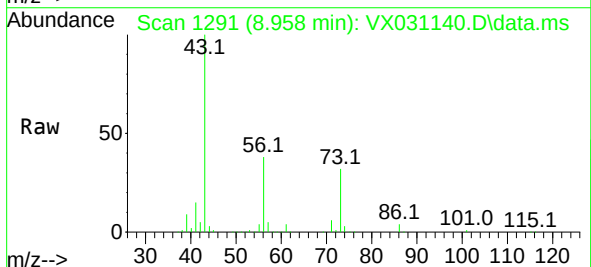
Instrument :
MSVOA_X
ClientSampleId :
SB-10

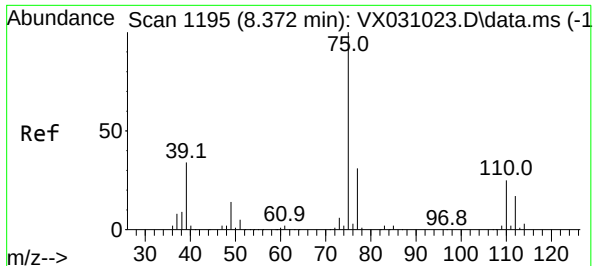
Tgt Ion: 92 Resp: 2193
Ion Ratio Lower Upper
92 100
91 191.5 139.2 208.8



#53
t-1,3-Dichloropropene
Concen: 0.252 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

Tgt Ion: 75 Resp: 909
Ion Ratio Lower Upper
75 100
77 0.0 26.3 39.5#

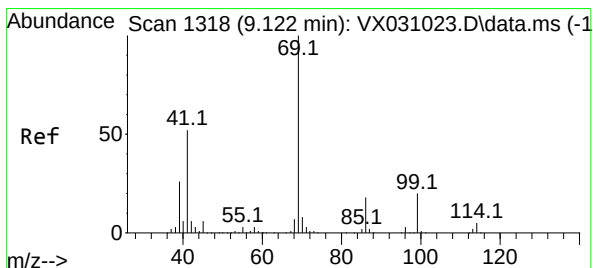
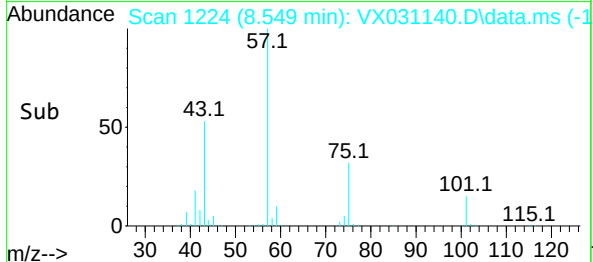
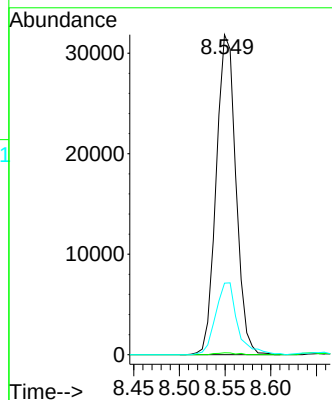
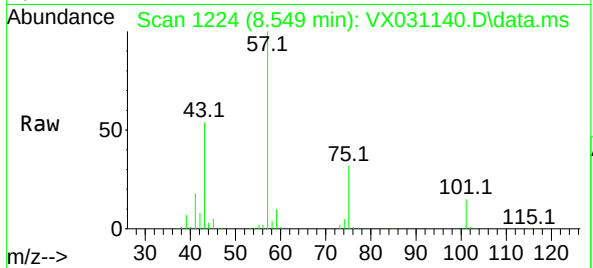




#54
 cis-1,3-Dichloropropene
 Concen: 11.830 ug/l
 RT: 8.549 min Scan# 1195
 Delta R.T. 0.177 min
 Lab File: VX031140.D
 Acq: 06 Sep 2022 19:57

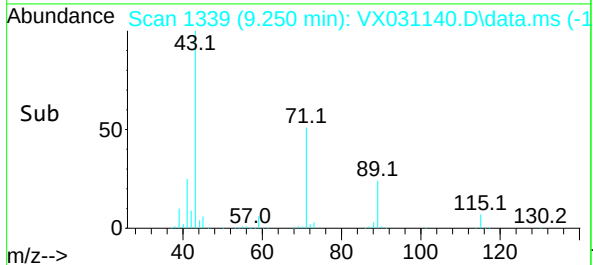
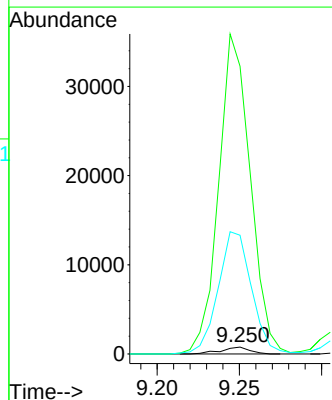
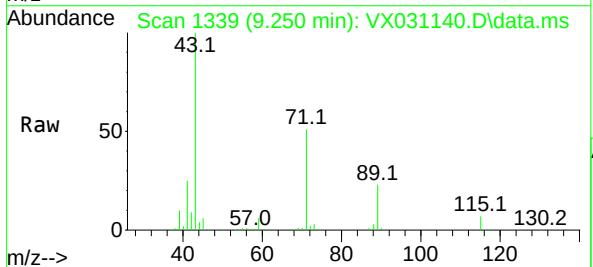
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-10

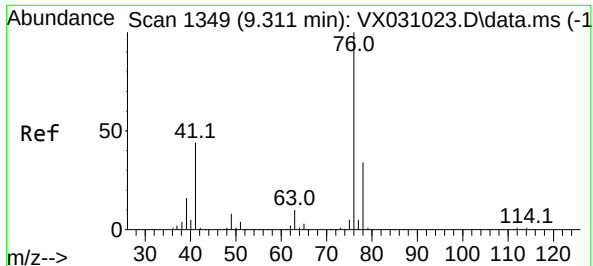
Tgt Ion: 75 Resp: 47718
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 22.4 37.5 56.3#



#56
 Ethyl methacrylate
 Concen: 0.241 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.128 min
 Lab File: VX031140.D
 Acq: 06 Sep 2022 19:57

Tgt Ion: 69 Resp: 924
 Ion Ratio Lower Upper
 69 100
 41 5194.5 52.3 78.5#
 39 2095.3 28.2 42.4#





#57

1,3-Dichloropropane

Concen: 1.314 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031140.D

Acq: 06 Sep 2022 19:57

Instrument :

MSVOA_X

ClientSampleId :

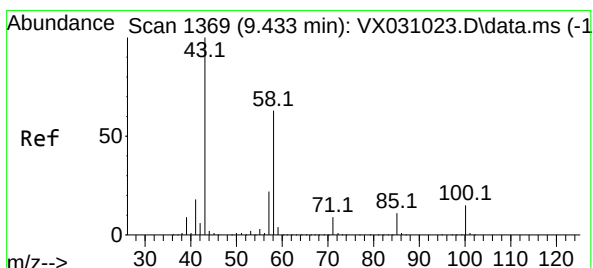
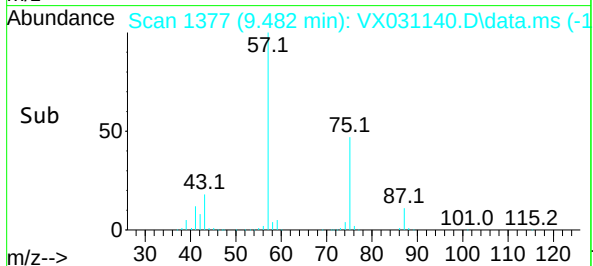
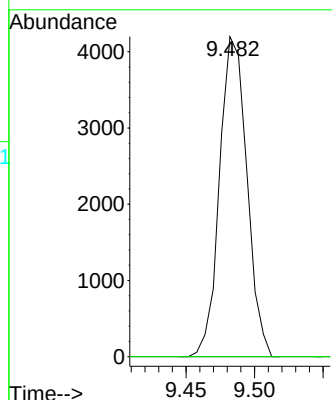
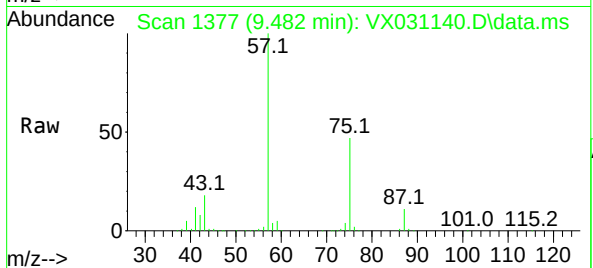
SB-10

Tgt Ion: 76 Resp: 5823

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 27.880 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031140.D

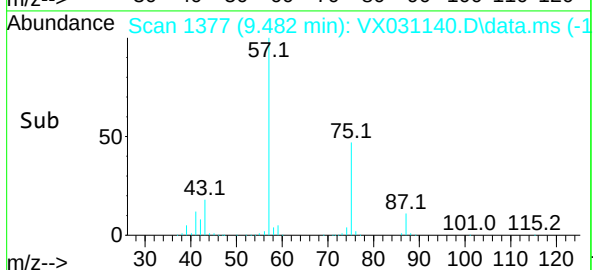
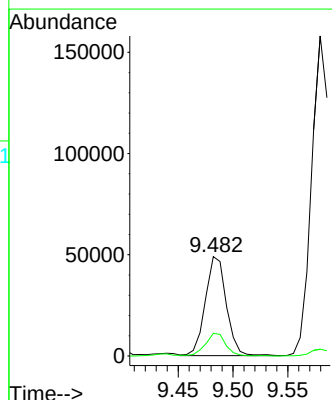
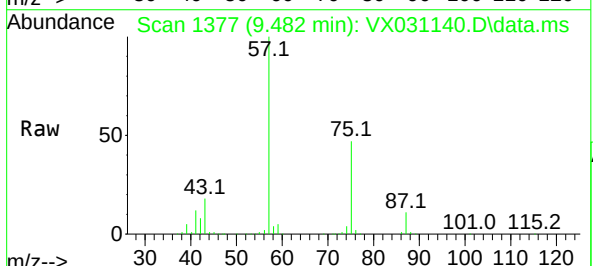
Acq: 06 Sep 2022 19:57

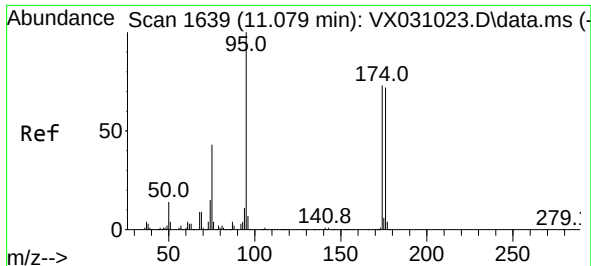
Tgt Ion: 43 Resp: 65161

Ion Ratio Lower Upper

43 100

58 22.1 27.6 82.8#

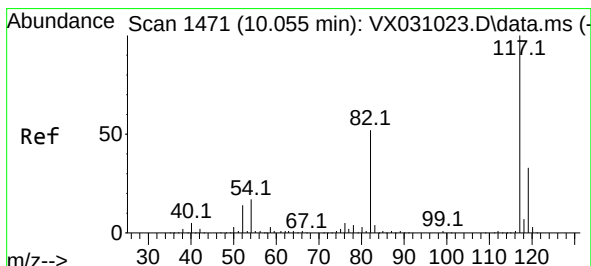
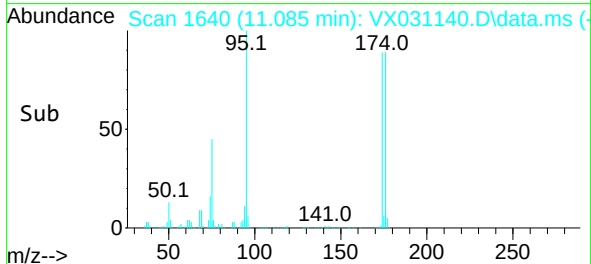
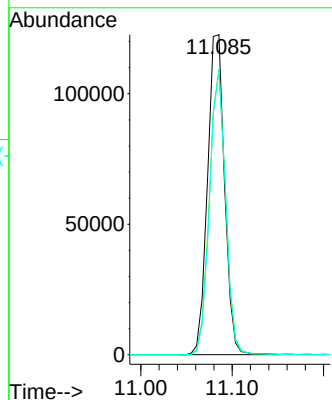
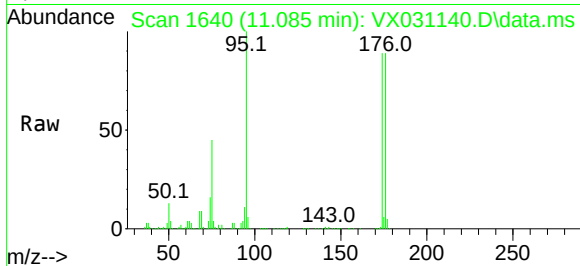




#62
4-Bromofluorobenzene
Concen: 48.288 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

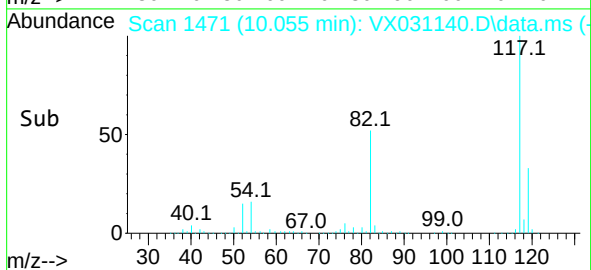
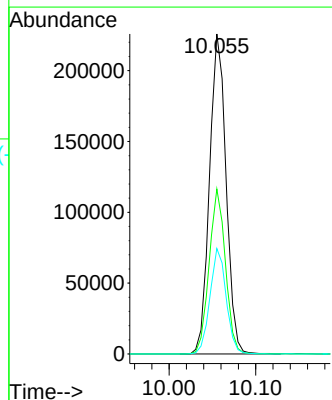
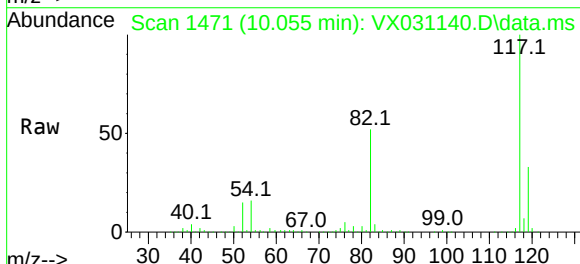
Instrument :
MSVOA_X
ClientSampleId :
SB-10

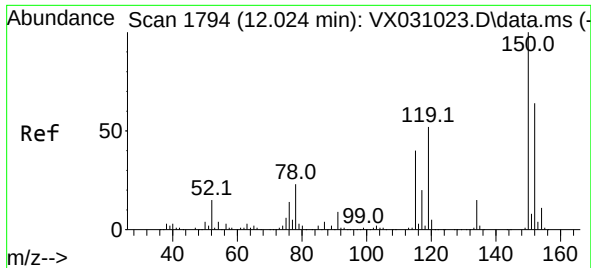
Tgt Ion: 95 Resp: 158654
Ion Ratio Lower Upper
95 100
174 85.3 0.0 149.0
176 83.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

Tgt Ion: 117 Resp: 300123
Ion Ratio Lower Upper
117 100
82 51.6 42.7 64.1
119 33.0 25.4 38.2

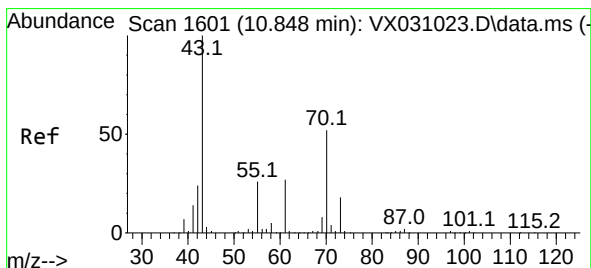
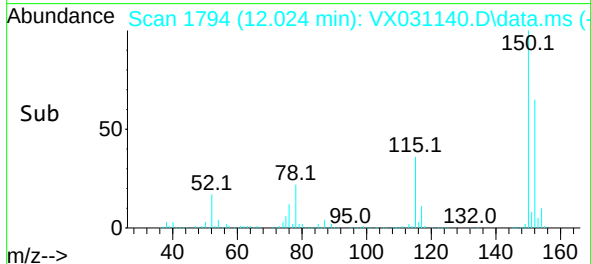
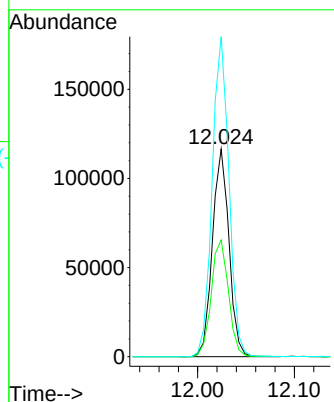
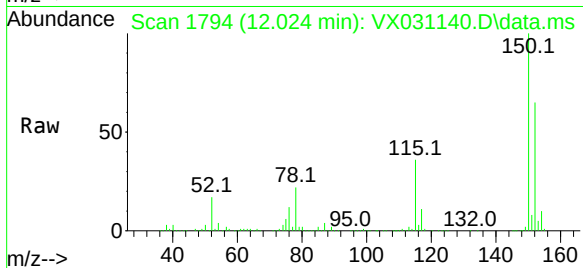




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

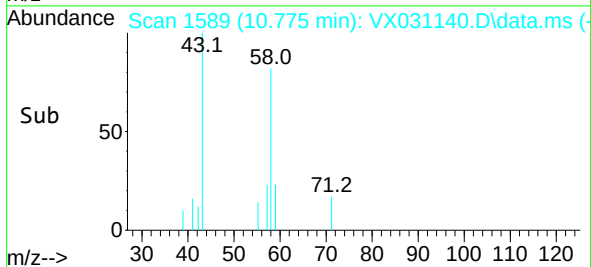
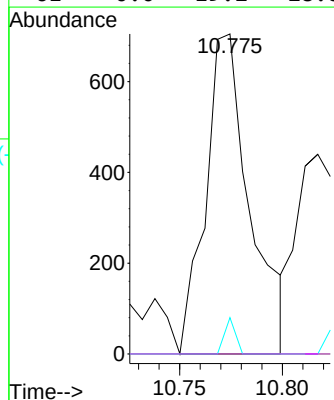
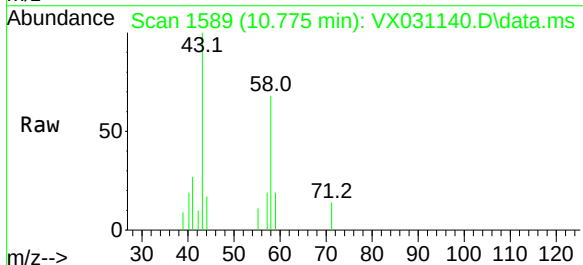
Instrument :
MSVOA_X
ClientSampleId :
SB-10

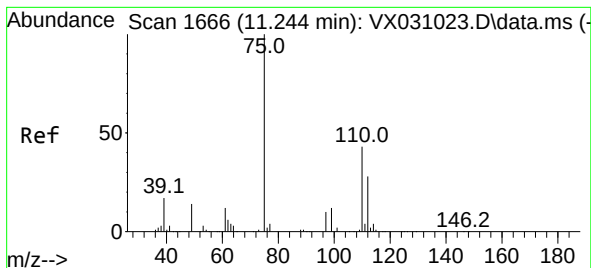
Tgt Ion:152 Resp: 138446
Ion Ratio Lower Upper
152 100
115 58.5 40.5 121.5
150 156.2 0.0 347.0



#74
N-ethyl acetate
Concen: 0.314 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX031140.D
Acq: 06 Sep 2022 19:57

Tgt Ion: 43 Resp: 1058
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: 22.410 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX031140.D

Acq: 06 Sep 2022 19:57

Instrument :

MSVOA_X

ClientSampleId :

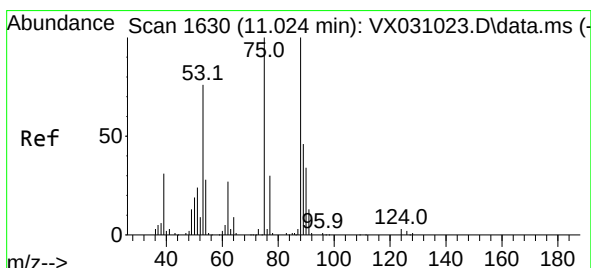
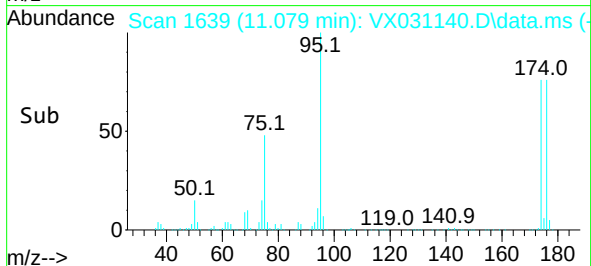
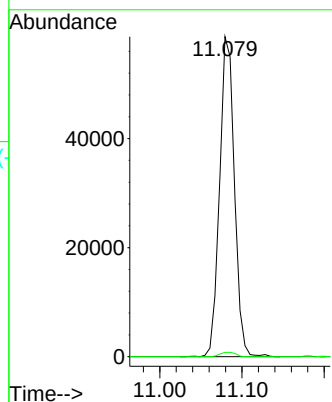
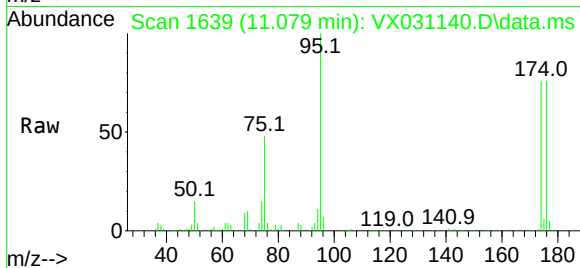
SB-10

Tgt Ion: 75 Resp: 73342

Ion Ratio Lower Upper

75 100

77 1.5 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.429 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.055 min

Lab File: VX031140.D

Acq: 06 Sep 2022 19:57

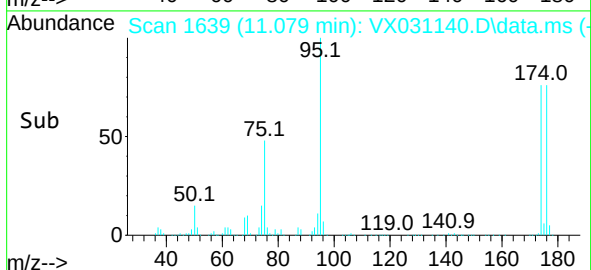
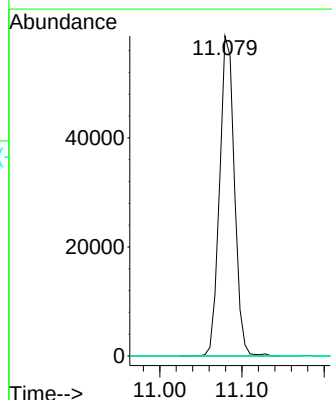
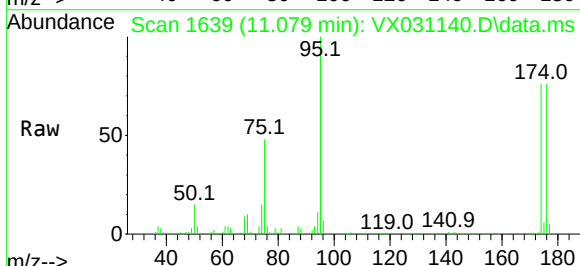
Tgt Ion: 75 Resp: 73342

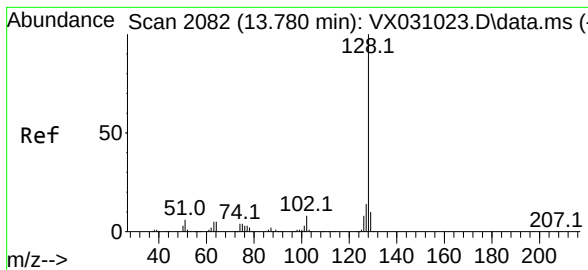
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#





#95
 Naphthalene
 Concen: 2.315 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. -0.000 min
 Lab File: VX031140.D
 Acq: 06 Sep 2022 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-10

Tgt Ion:	128	Resp:	29052
Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.2	15.2
129	11.3	8.6	13.0

