

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
 Data File : VX029997.D
 Acq On : 11 Jul 2022 15:09
 Operator : JC/MD
 Sample : PB146107#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB146107#01

Quant Time: Jul 12 02:03:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

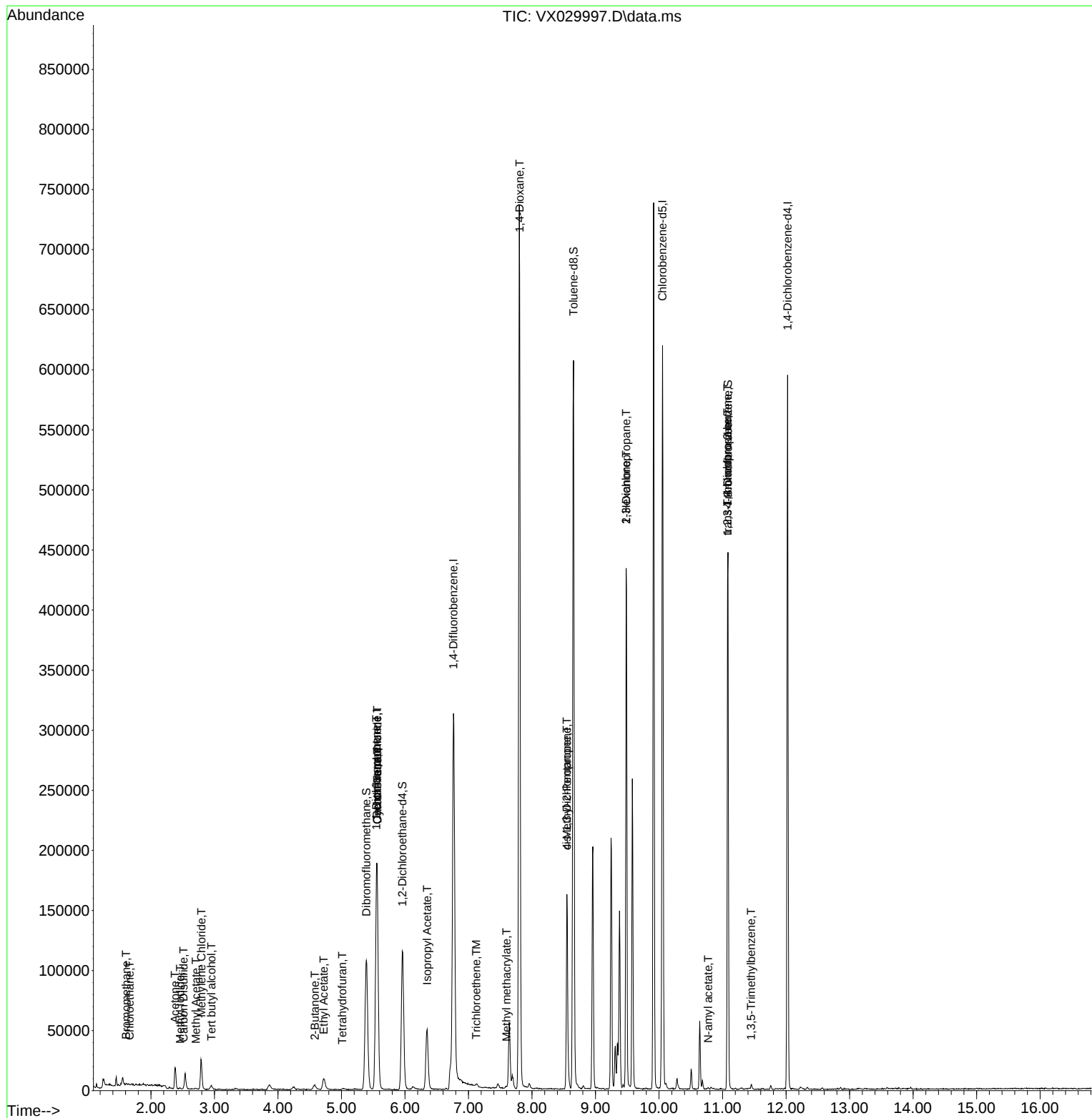
Internal Standards						
1) Pentafluorobenzene	5.556	168	194745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	332639	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	288607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	101807	41.299	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	82.600%
35) Dibromofluoromethane	5.391	113	97915	47.101	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.200%
50) Toluene-d8	8.653	98	375194	48.110	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.220%
62) 4-Bromofluorobenzene	11.085	95	123962	44.967	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.940%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	270	0.225	ug/l #	80
6) Chloroethane	1.666	64	282	1.209	ug/l #	41
10) Methyl Iodide	2.459	142	1138	2.283	ug/l #	94
11) Tert butyl alcohol	2.953	59	2339	3.628	ug/l #	74
13) Acrolein	2.239	56	57	Below Cal	#	14
16) Acetone	2.380	43	17936	14.872	ug/l	92
17) Carbon Disulfide	2.514	76	1157	0.232	ug/l #	74
18) Methyl Acetate	2.709	43	1156	0.311	ug/l #	88
20) Methylene Chloride	2.794	84	10904	4.281	ug/l	94
25) 2-Butanone	4.580	43	5733	2.739	ug/l #	77
29) Tetrahydrofuran	5.013	42	393	0.285	ug/l #	41
31) Cyclohexane	5.562	56	3622	1.054	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	13891	5.024	ug/l #	49
37) Ethyl Acetate	4.721	43	16648	4.403	ug/l	99
38) Carbon Tetrachloride	5.562	117	17921	7.480	ug/l #	18
43) Isopropyl Acetate	6.348	43	69229	12.158	ug/l	99
44) Trichloroethene	7.123	130	966	0.401	ug/l	85
48) Methyl methacrylate	7.598	41	2231	0.826	ug/l #	13
49) 1,4-Dioxane	7.805	88	125	1.955	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	52082	13.871	ug/l #	53
54) cis-1,3-Dichloropropene	8.549	75	26438	7.928	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	3926	1.038	ug/l #	42
59) 2-Hexanone	9.482	43	47632	16.346	ug/l #	50
74) N-amyl acetate	10.774	43	1074	0.240	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	57301	19.163	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	1870	0.249	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.079	75	57301	60.857	ug/l #	13

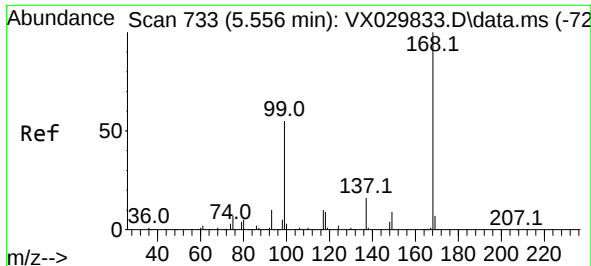
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
Data File : VX029997.D
Acq On : 11 Jul 2022 15:09
Operator : JC/MD
Sample : PB146107#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

Quant Time: Jul 12 02:03:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 05:54:51 2022
Response via : Initial Calibration

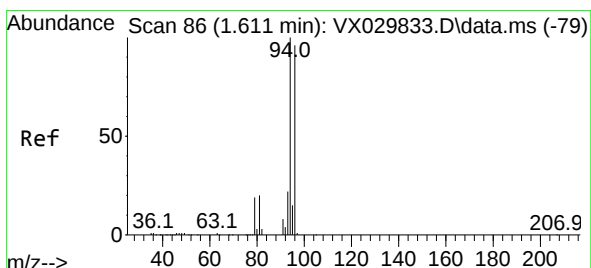
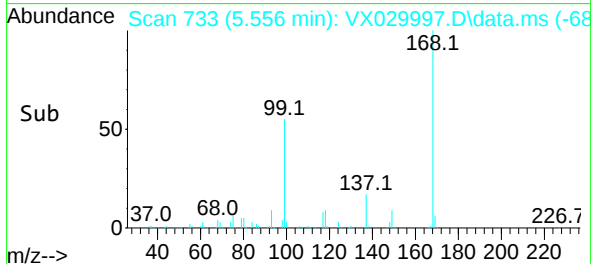
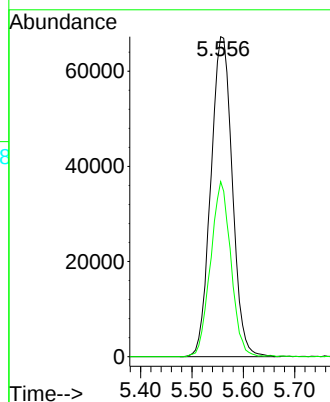
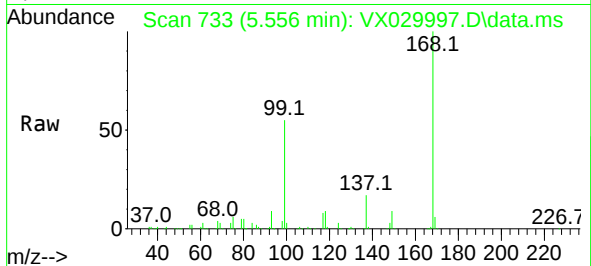




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

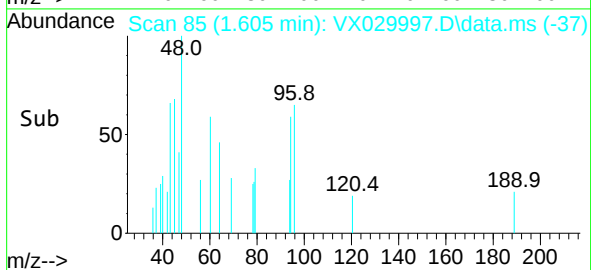
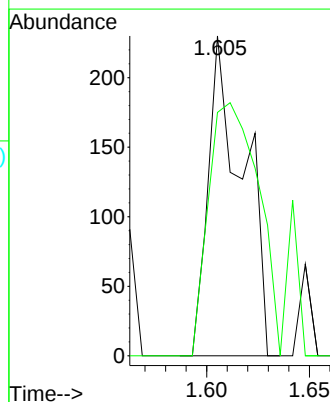
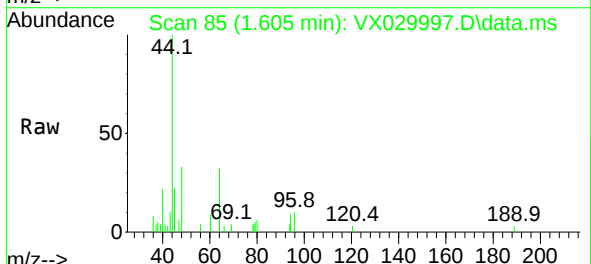
Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

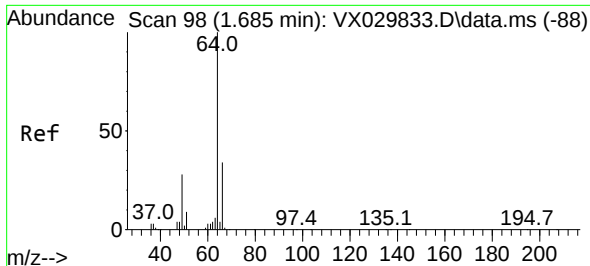
Tgt Ion:168 Resp: 194745
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0



#5
Bromomethane
Concen: 0.225 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.006 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Tgt Ion: 94 Resp: 270
Ion Ratio Lower Upper
94 100
96 76.1 76.9 115.3#

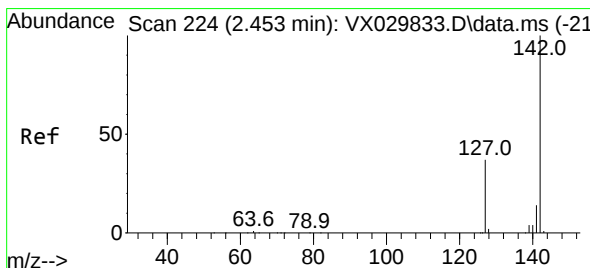
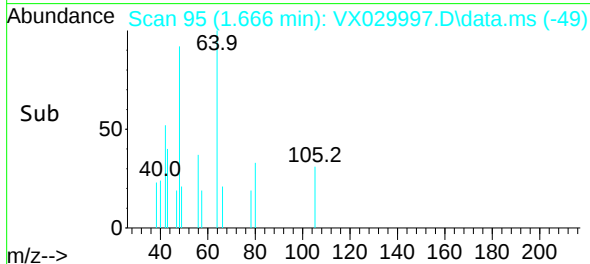
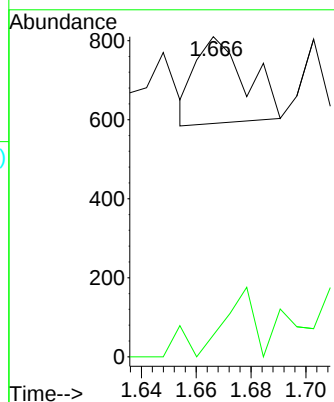
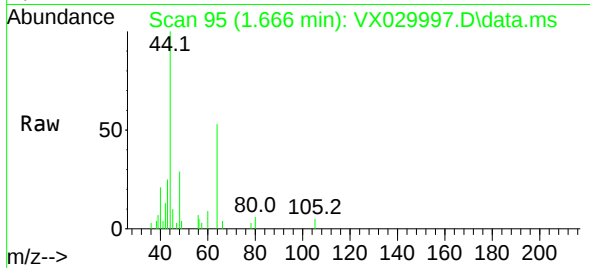




#6
Chloroethane
Concen: 1.209 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

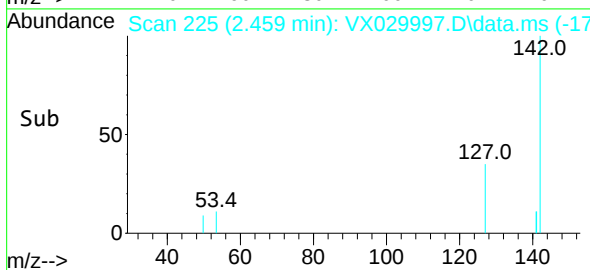
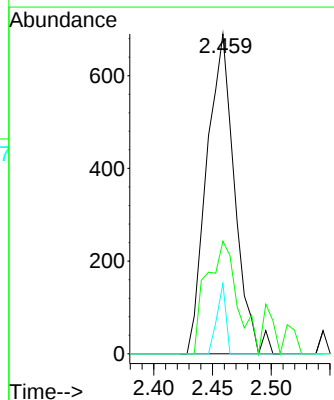
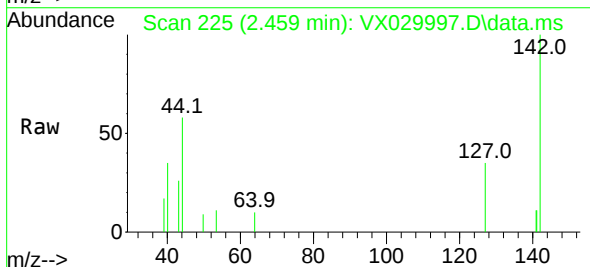
Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

Tgt Ion: 64 Resp: 282
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 2.283 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Tgt Ion: 142 Resp: 1138
Ion Ratio Lower Upper
142 100
127 38.8 30.2 45.2
141 7.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 3.628 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.043 min

Lab File: VX029997.D

Acq: 11 Jul 2022 15:09

Instrument :

MSVOA_X

ClientSampleId :

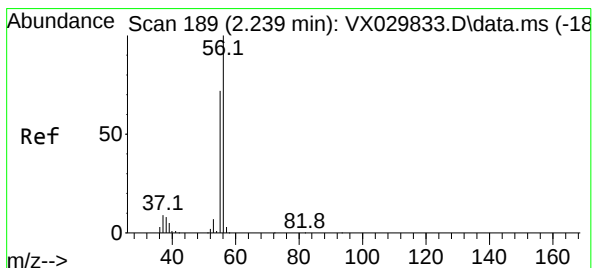
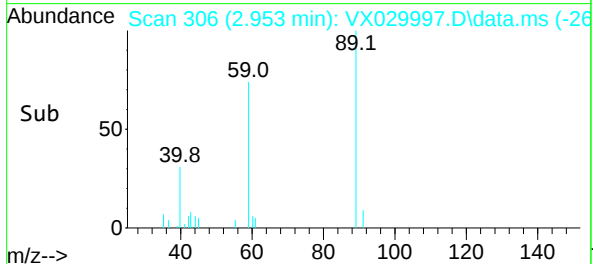
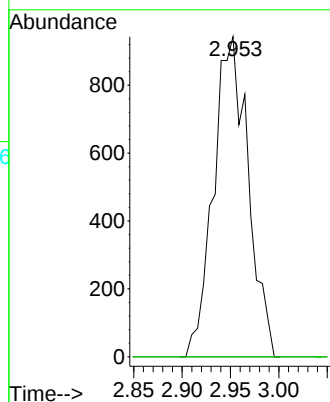
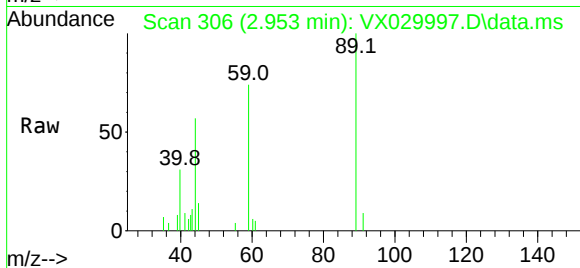
PB146107#01

Tgt Ion: 59 Resp: 2339

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: Below Cal

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX029997.D

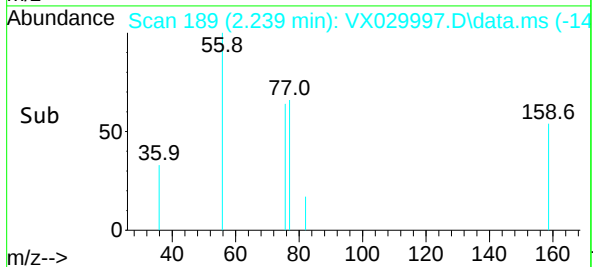
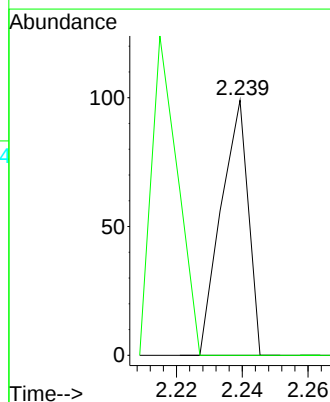
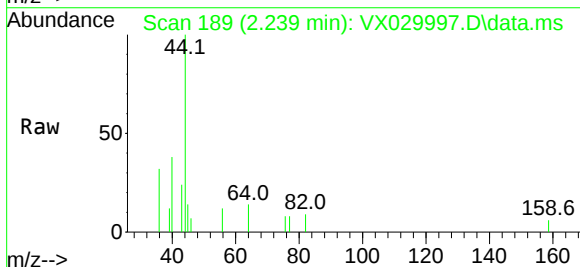
Acq: 11 Jul 2022 15:09

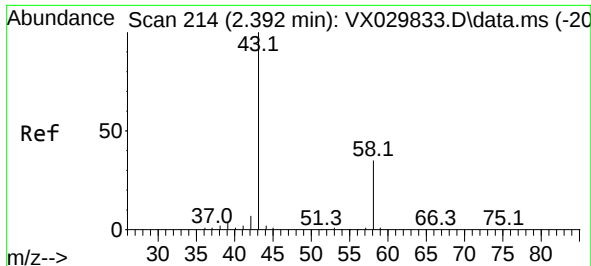
Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

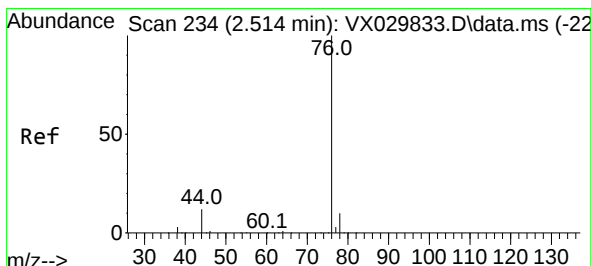
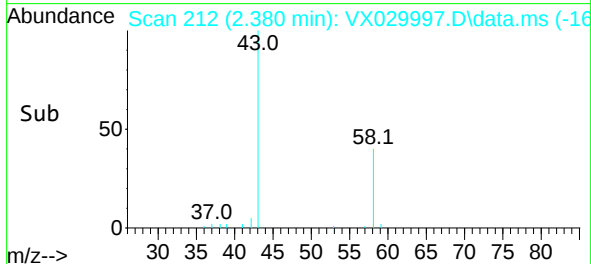
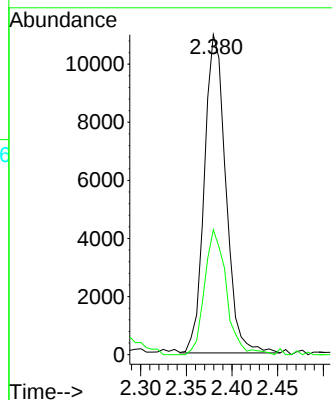
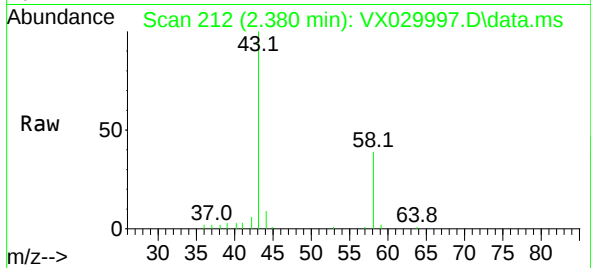




#16
Acetone
Concen: 14.872 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

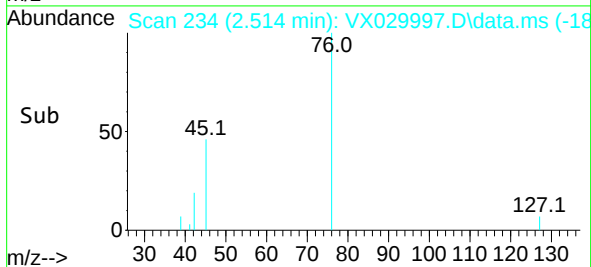
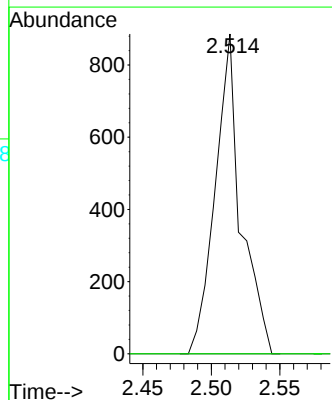
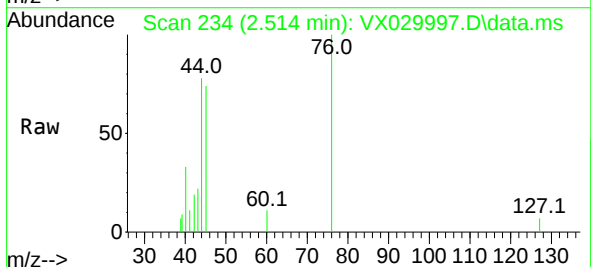
Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

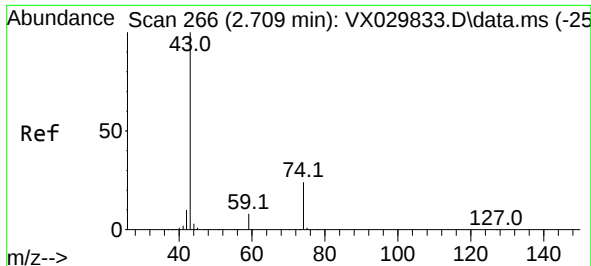
Tgt Ion: 43 Resp: 17936
Ion Ratio Lower Upper
43 100
58 39.3 27.7 41.5



#17
Carbon Disulfide
Concen: 0.232 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Tgt Ion: 76 Resp: 1157
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

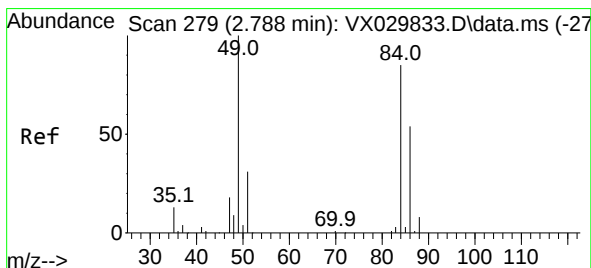
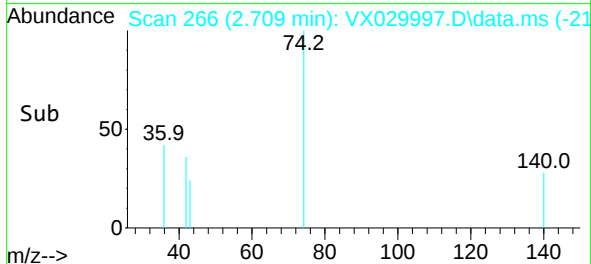
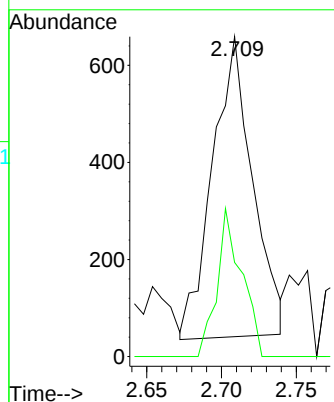
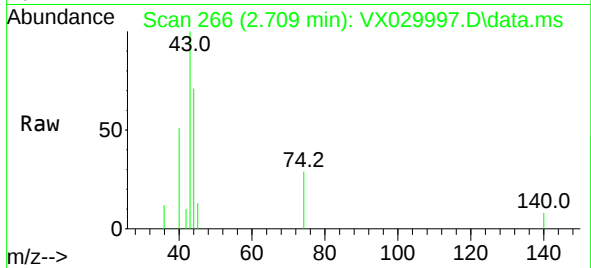




#18
Methyl Acetate
Concen: 0.311 ug/l
RT: 2.709 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

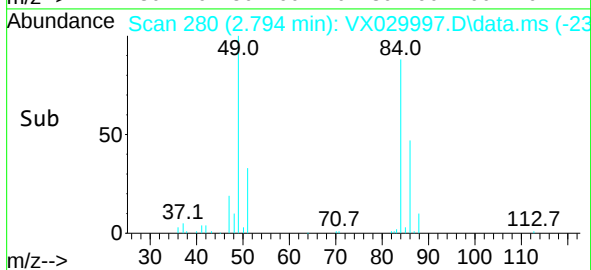
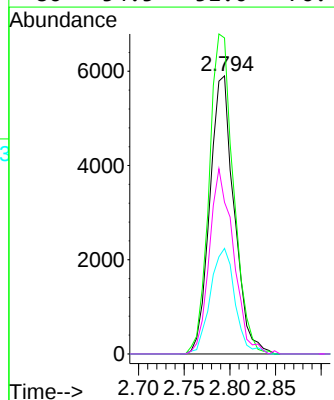
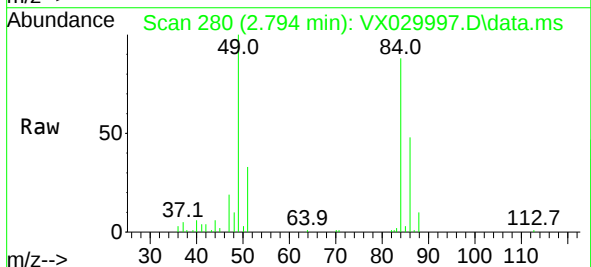
Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

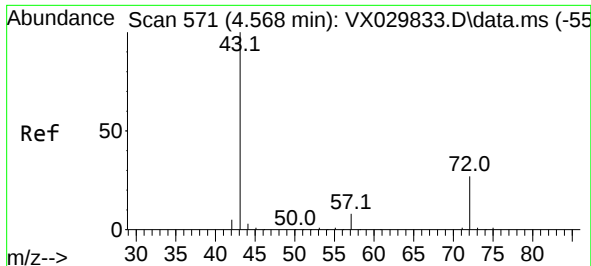
Tgt Ion: 43 Resp: 1156
Ion Ratio Lower Upper
43 100
74 30.2 19.4 29.2#



#20
Methylene Chloride
Concen: 4.281 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Tgt Ion: 84 Resp: 10904
Ion Ratio Lower Upper
84 100
49 113.6 93.8 140.6
51 38.0 29.4 44.0
86 54.5 51.0 76.4

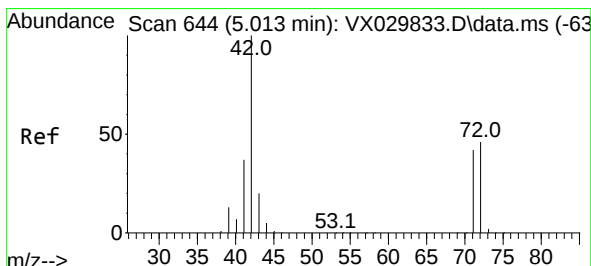
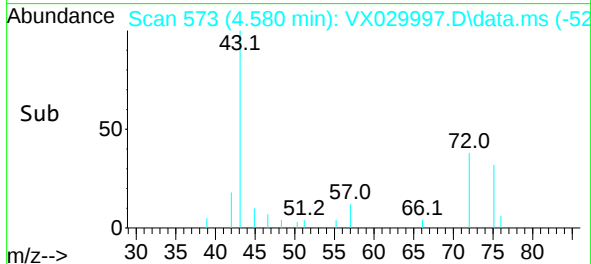
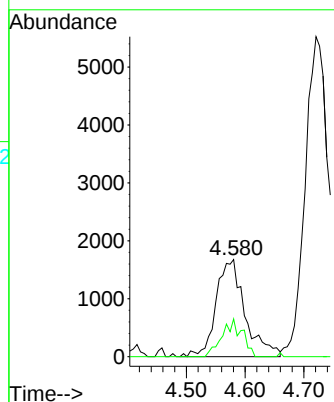
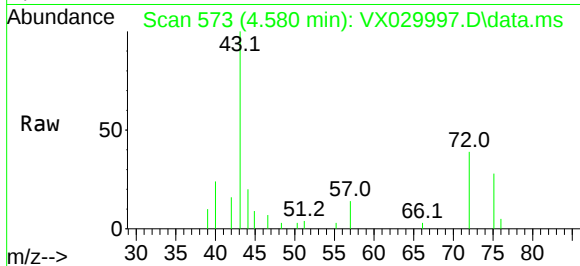




#25
2-Butanone
Concen: 2.739 ug/l
RT: 4.580 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

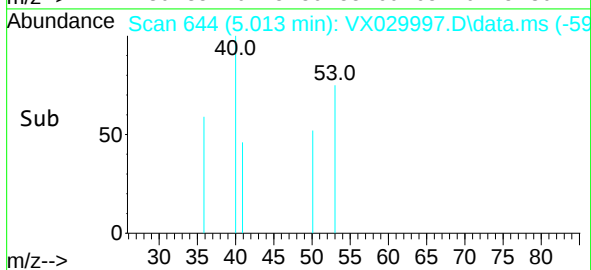
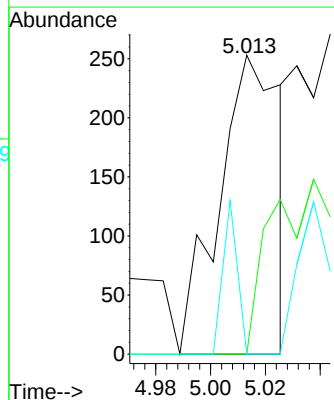
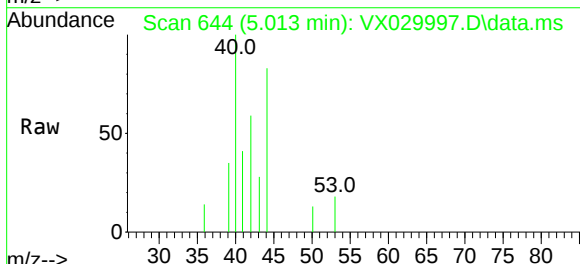
Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

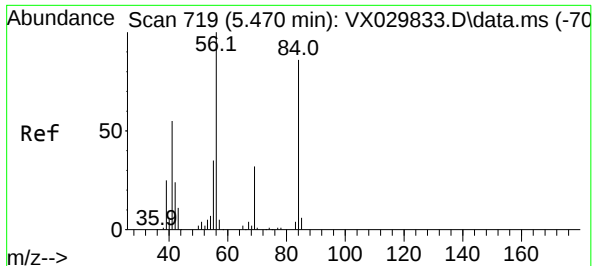
Tgt Ion: 43 Resp: 5733
Ion Ratio Lower Upper
43 100
72 38.9 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.285 ug/l
RT: 5.013 min Scan# 644
Delta R.T. -0.000 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Tgt Ion: 42 Resp: 393
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 12.2 33.9 50.9#

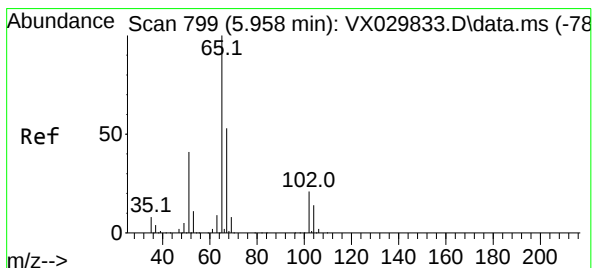
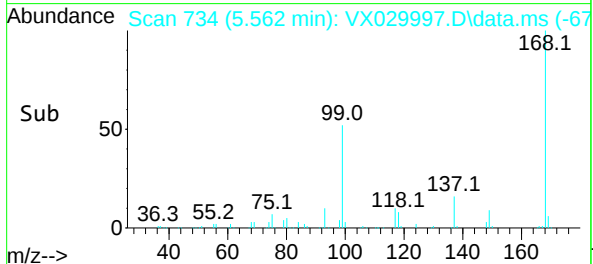
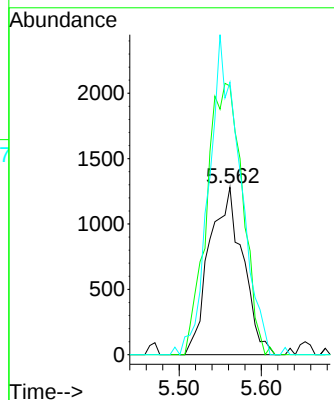
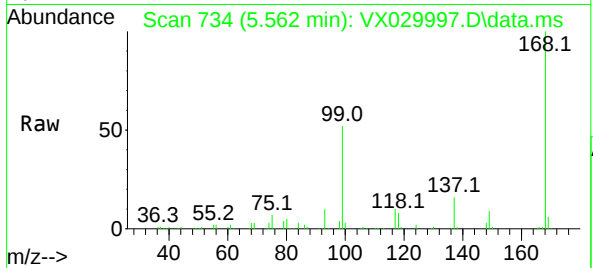




#31
Cyclohexane
Concen: 1.054 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

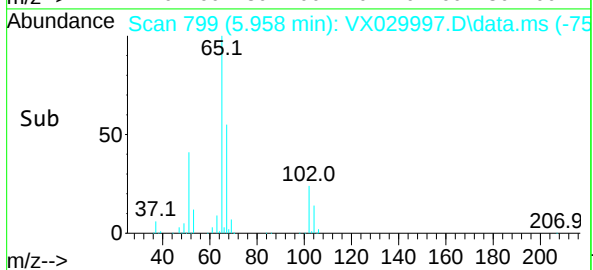
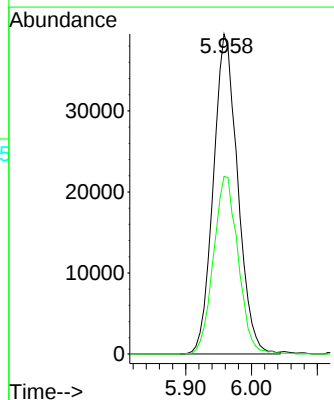
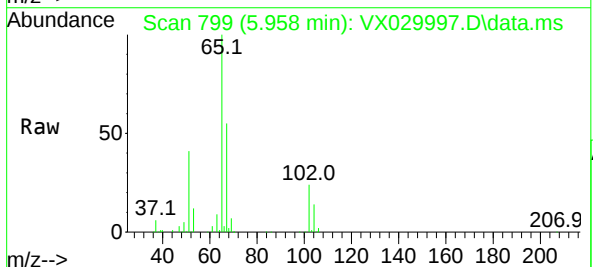
Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

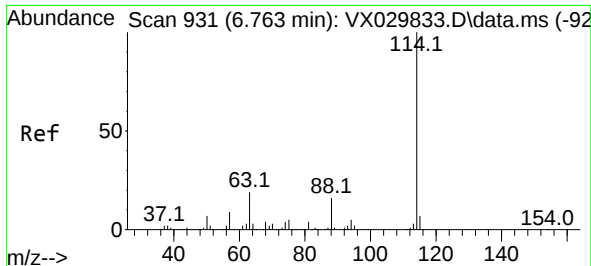
Tgt Ion: 56 Resp: 3622
Ion Ratio Lower Upper
56 100
69 160.5 25.4 38.0#
84 162.9 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 41.299 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Tgt Ion: 65 Resp: 101807
Ion Ratio Lower Upper
65 100
67 56.2 0.0 109.6

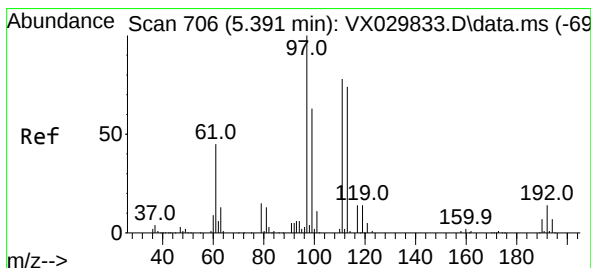
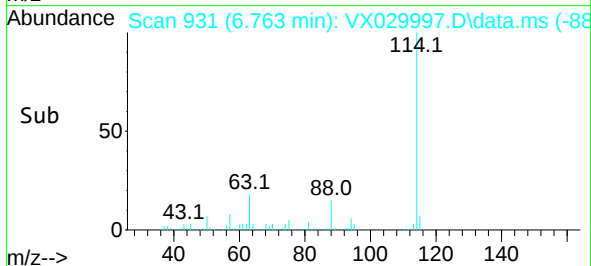
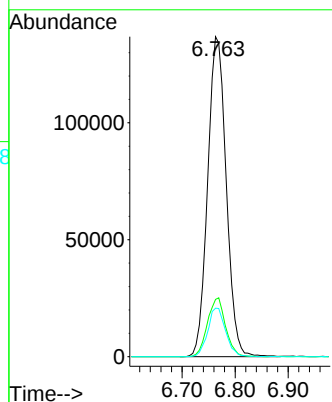
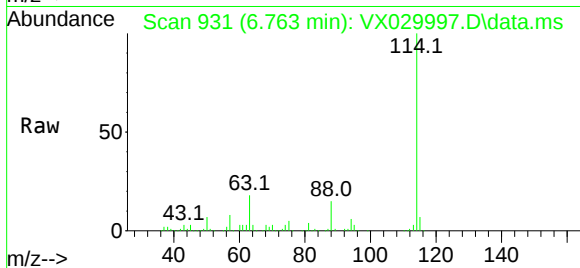




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

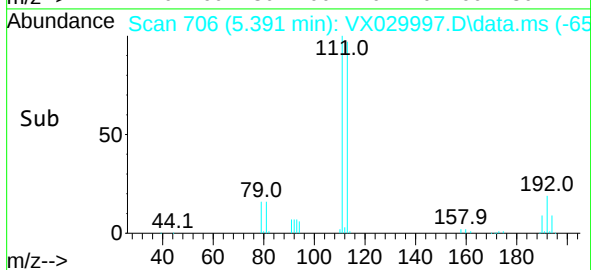
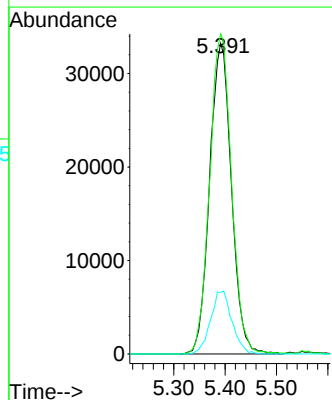
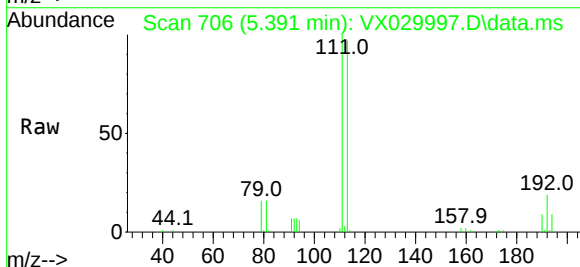
Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

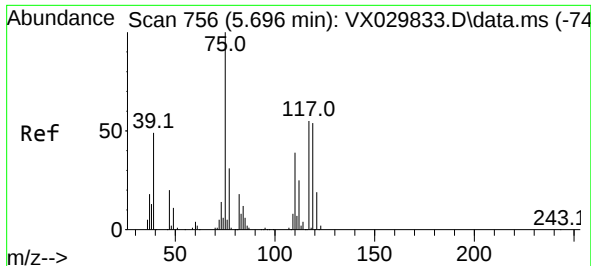
Tgt Ion:114 Resp: 332639
Ion Ratio Lower Upper
114 100
63 17.9 0.0 38.4
88 15.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.101 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Tgt Ion:113 Resp: 97915
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 19.9 14.8 22.2

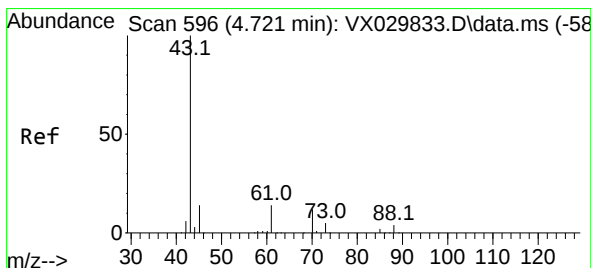
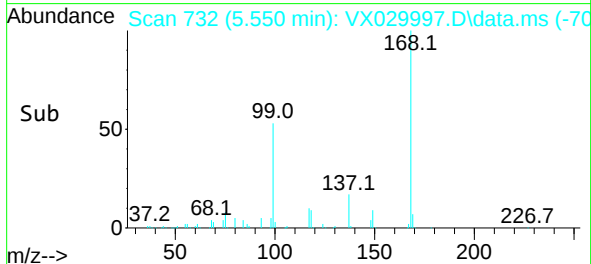
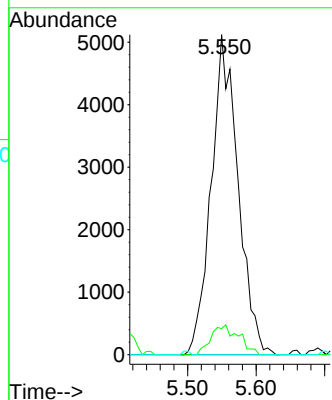
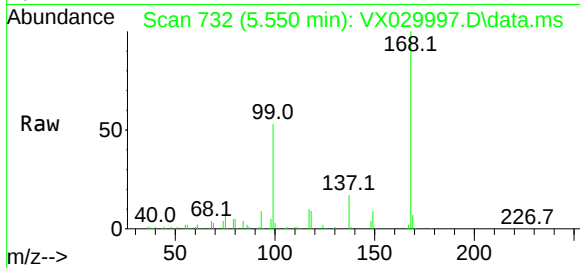




#36
1,1-Dichloropropene
Concen: 5.024 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

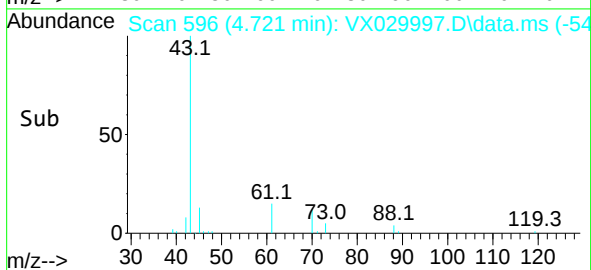
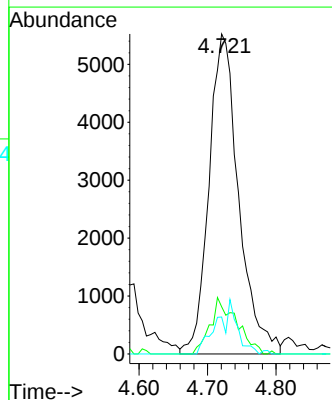
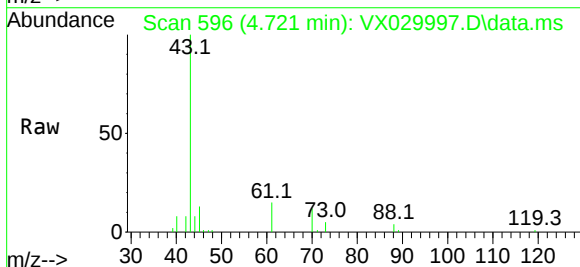
Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

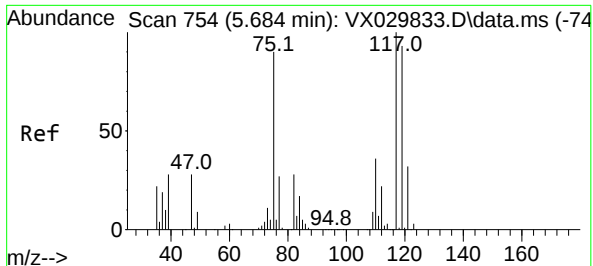
Tgt Ion: 75 Resp: 13891
Ion Ratio Lower Upper
75 100
110 9.6 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 4.403 ug/l
RT: 4.721 min Scan# 596
Delta R.T. -0.000 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

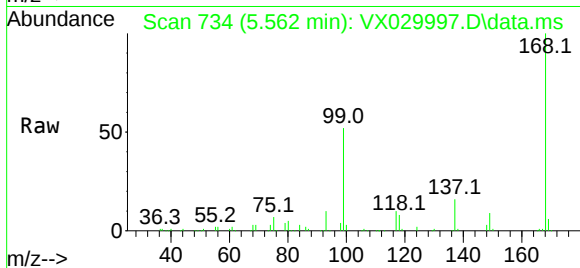
Tgt Ion: 43 Resp: 16648
Ion Ratio Lower Upper
43 100
61 15.6 11.7 17.5
70 11.6 9.3 13.9



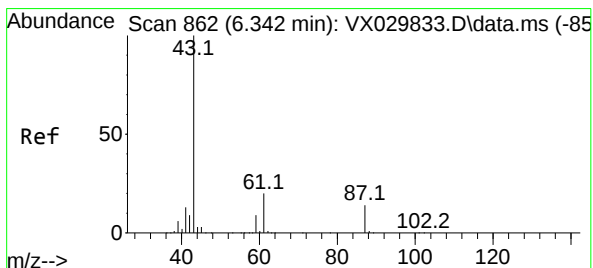
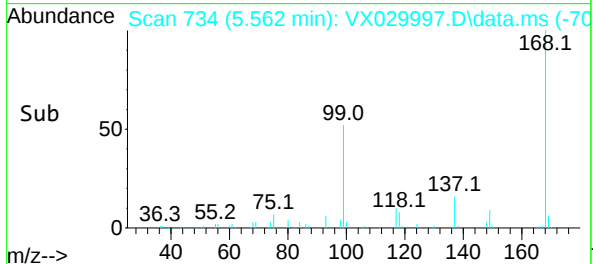
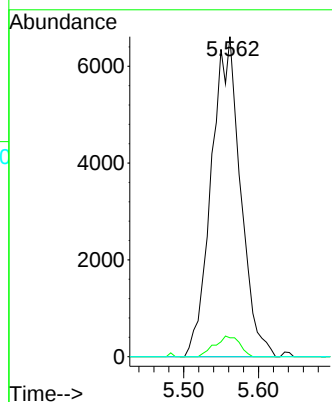


#38
Carbon Tetrachloride
Concen: 7.480 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

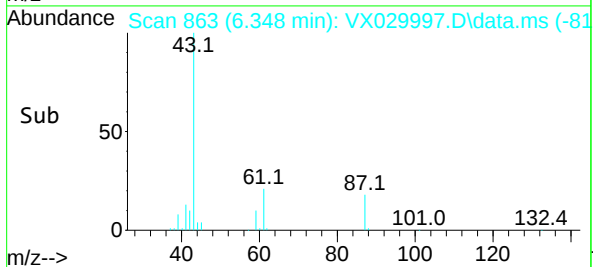
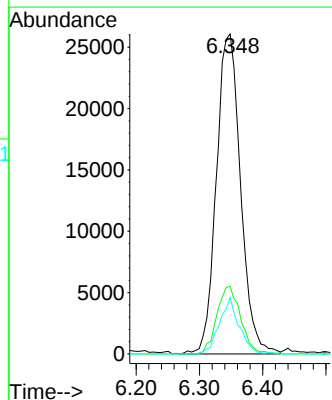
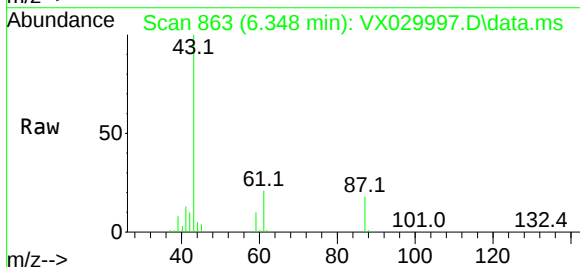


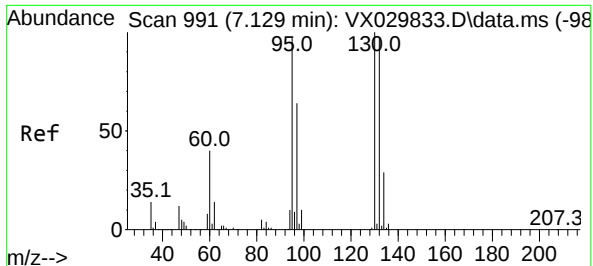
Tgt Ion:117 Resp: 17921
Ion Ratio Lower Upper
117 100
119 5.9 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 12.158 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Tgt Ion: 43 Resp: 69229
Ion Ratio Lower Upper
43 100
61 20.8 16.5 24.7
87 14.3 11.1 16.7

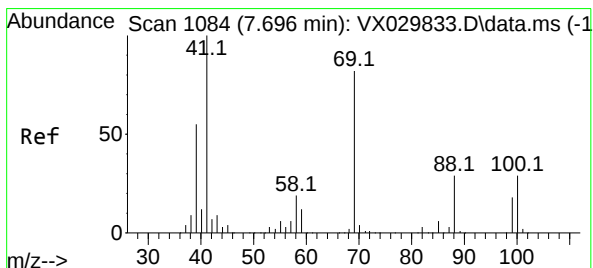
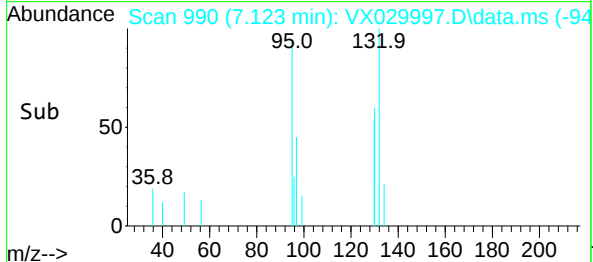
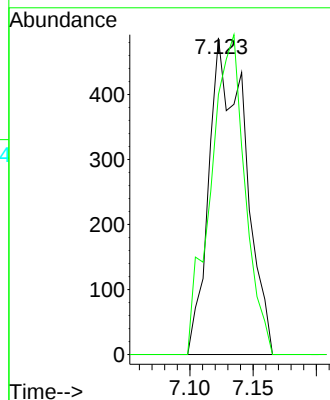
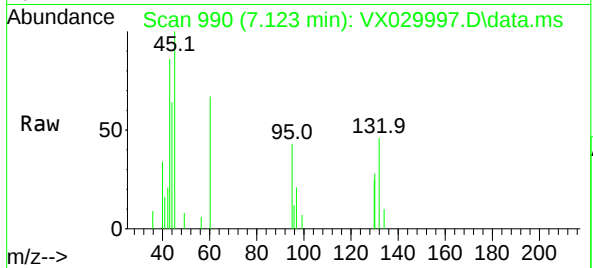




#44
Trichloroethene
Concen: 0.401 ug/l
RT: 7.123 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

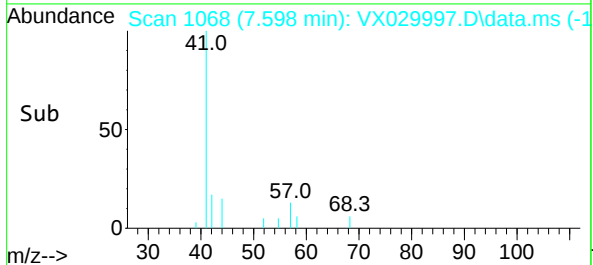
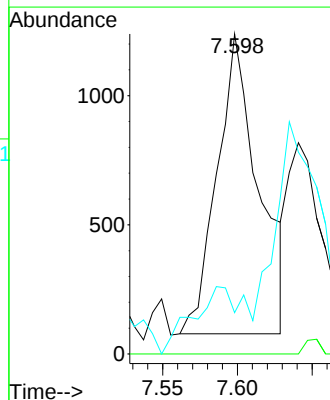
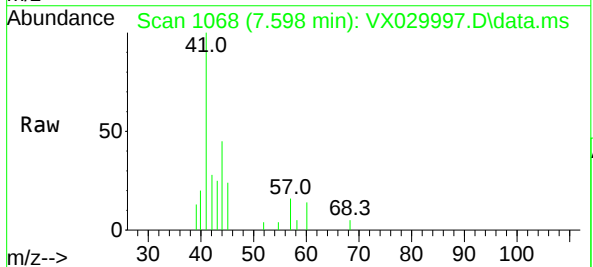
Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

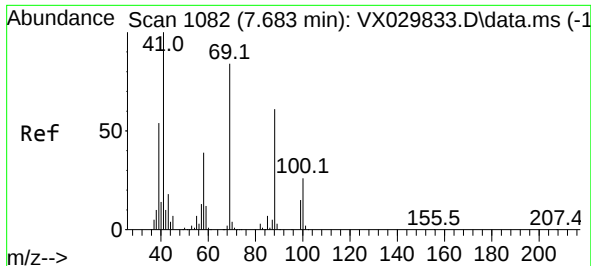
Tgt Ion:130 Resp: 966
Ion Ratio Lower Upper
130 100
95 82.1 0.0 194.8



#48
Methyl methacrylate
Concen: 0.826 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Tgt Ion: 41 Resp: 2231
Ion Ratio Lower Upper
41 100
69 0.0 68.8 103.2#
39 0.0 44.6 66.8#





#49

1,4-Dioxane

Concen: 1.955 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.122 min

Lab File: VX029997.D

Acq: 11 Jul 2022 15:09

Instrument :

MSVOA_X

ClientSampleId :

PB146107#01

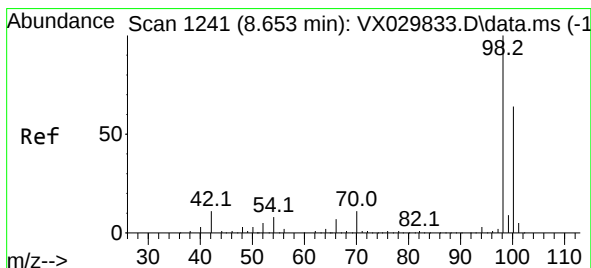
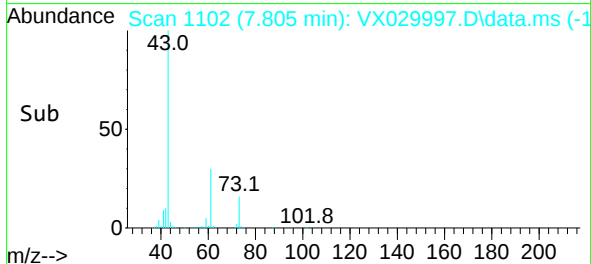
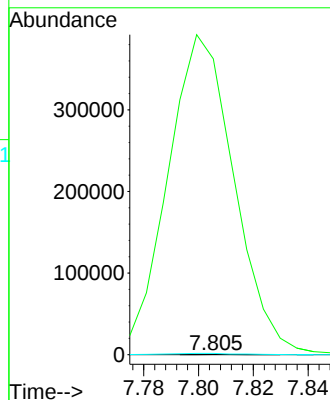
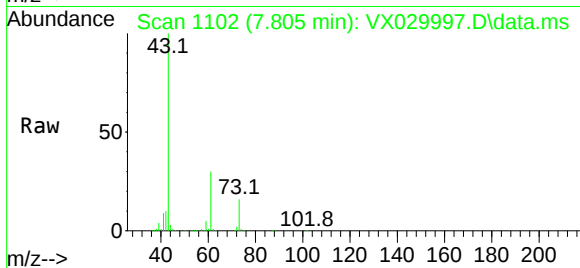
Tgt Ion: 88 Resp: 125

Ion Ratio Lower Upper

88 100

43 534568.8 23.8 35.8#

58 2304.8 53.8 80.6#



#50

Toluene-d8

Concen: 48.110 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX029997.D

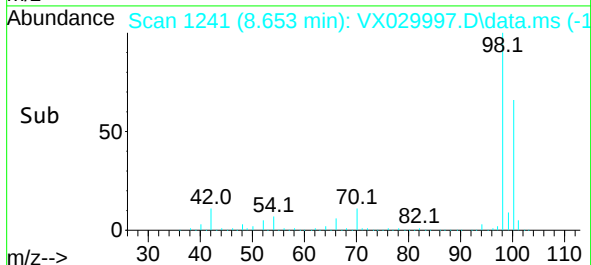
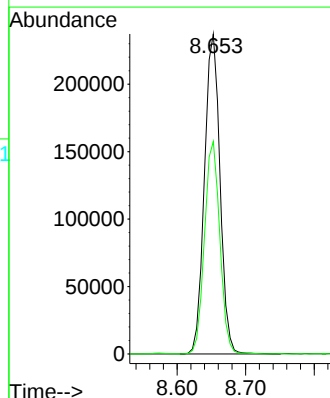
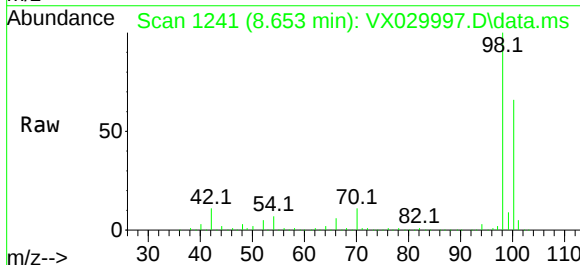
Acq: 11 Jul 2022 15:09

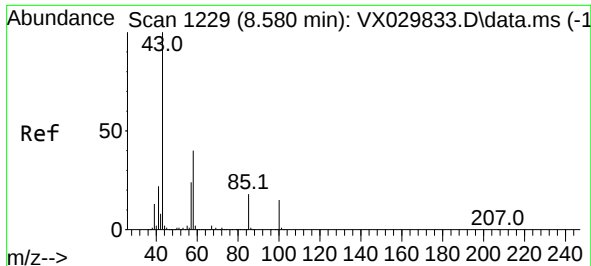
Tgt Ion: 98 Resp: 375194

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5

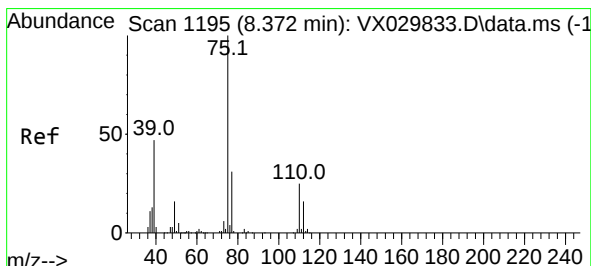
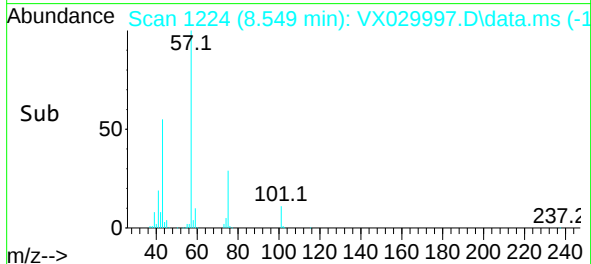
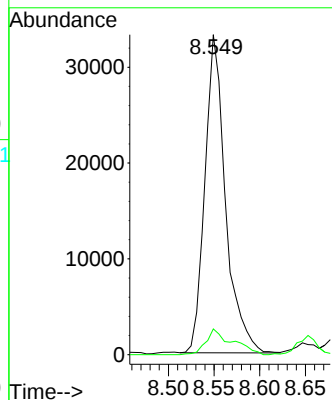
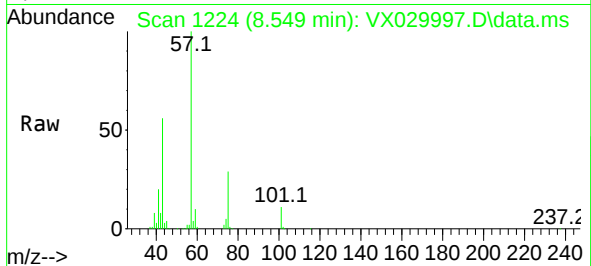




#51
4-Methyl-2-Pentanone
Concen: 13.871 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

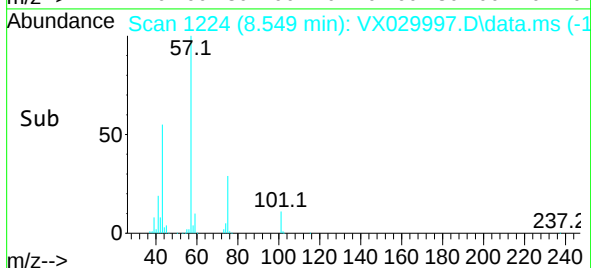
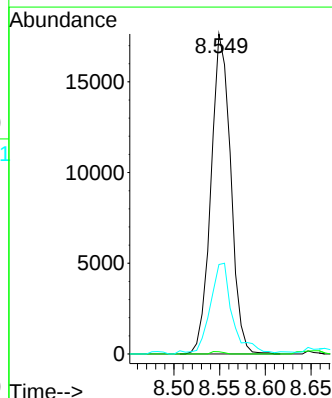
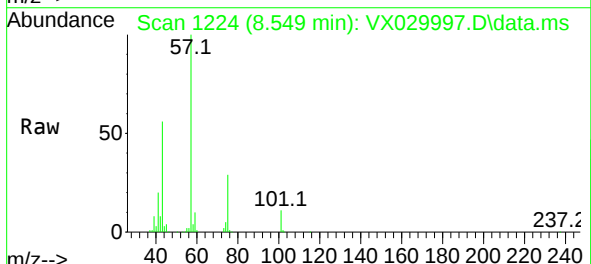
Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

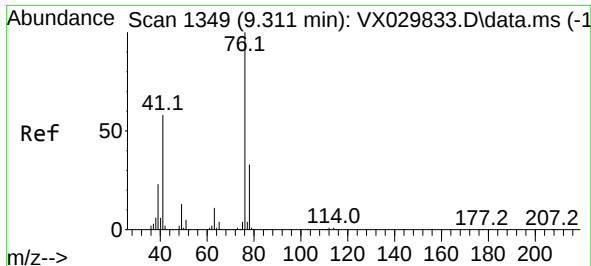
Tgt Ion: 43 Resp: 52082
Ion Ratio Lower Upper
43 100
58 10.3 31.4 47.2#



#54
cis-1,3-Dichloropropene
Concen: 7.928 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Tgt Ion: 75 Resp: 26438
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.4#
39 27.2 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 1.038 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX029997.D

Acq: 11 Jul 2022 15:09

Instrument :

MSVOA_X

ClientSampleId :

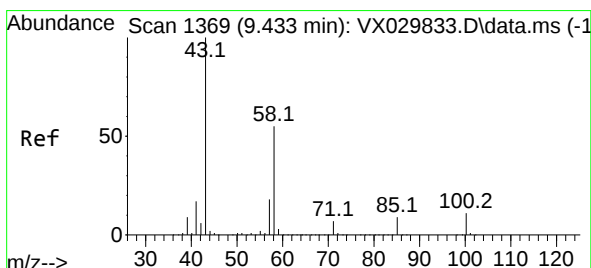
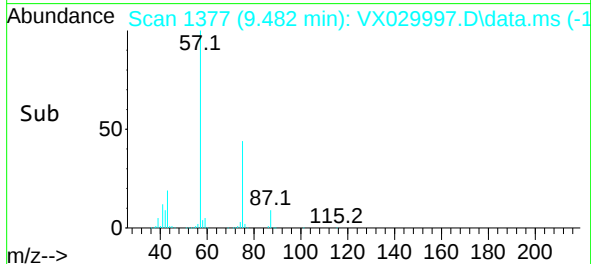
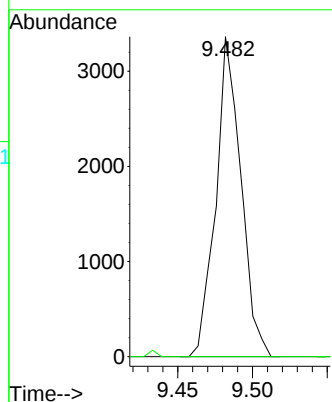
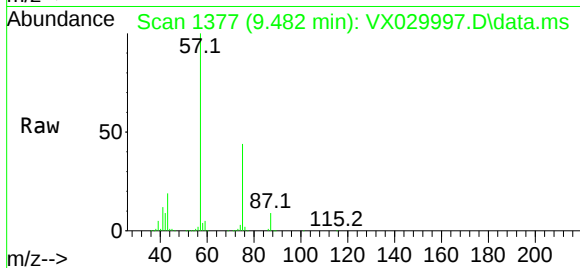
PB146107#01

Tgt Ion: 76 Resp: 3926

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 16.346 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX029997.D

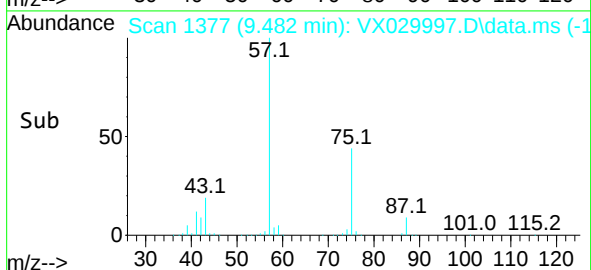
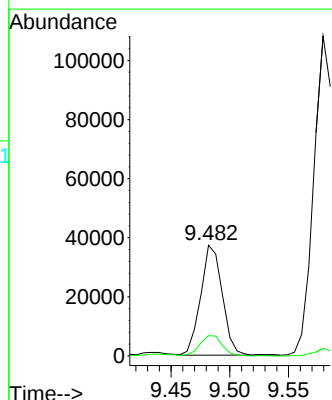
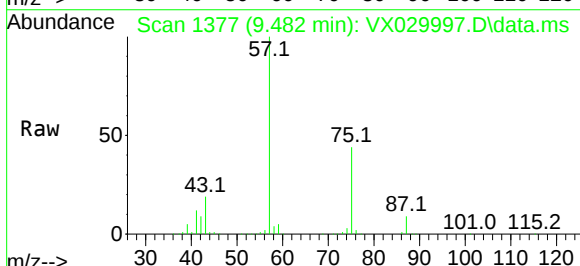
Acq: 11 Jul 2022 15:09

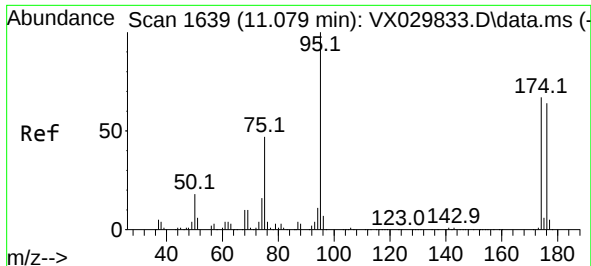
Tgt Ion: 43 Resp: 47632

Ion Ratio Lower Upper

43 100

58 19.3 27.6 82.8#

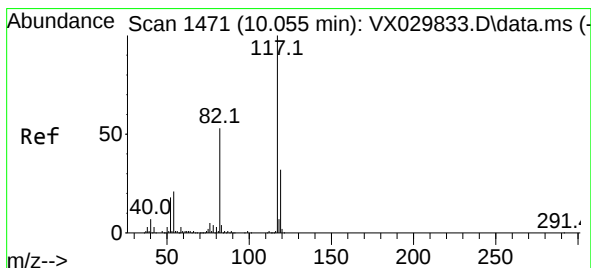
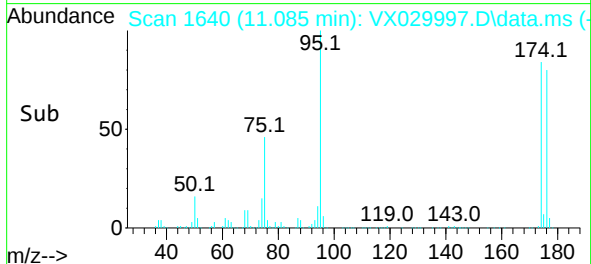
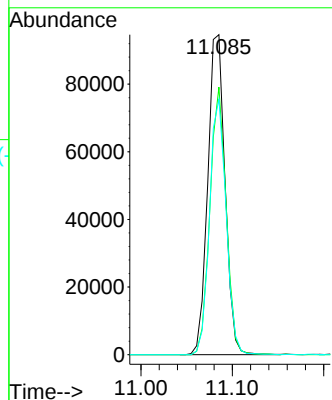
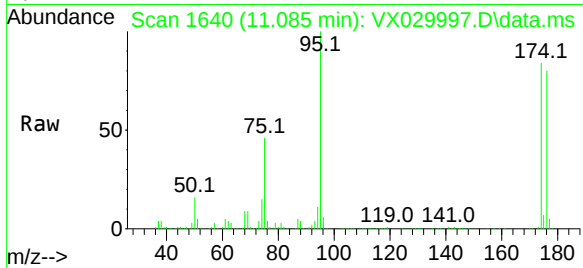




#62
4-Bromofluorobenzene
Concen: 44.967 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

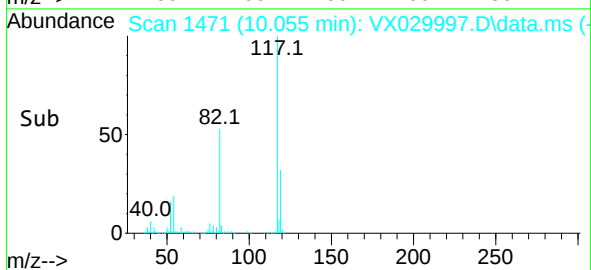
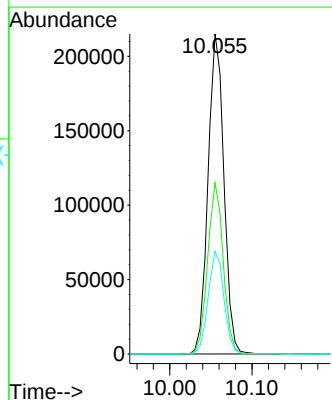
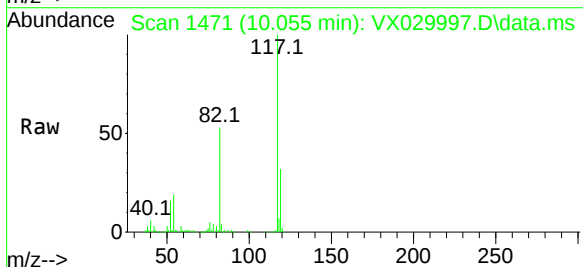
Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

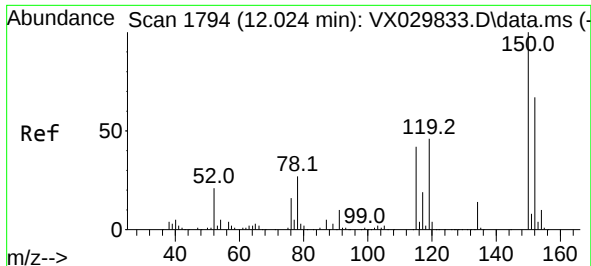
Tgt Ion: 95 Resp: 123962
Ion Ratio Lower Upper
95 100
174 78.4 0.0 149.0
176 76.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Tgt Ion: 117 Resp: 288607
Ion Ratio Lower Upper
117 100
82 53.4 42.7 64.1
119 32.1 25.4 38.2

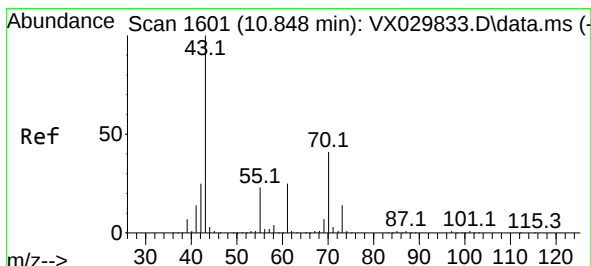
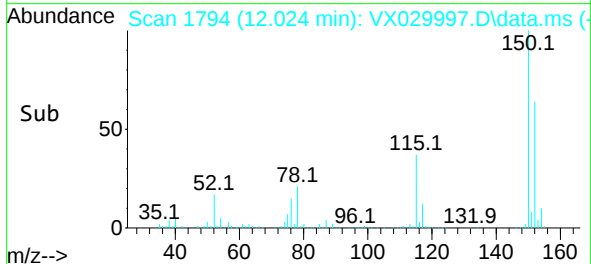
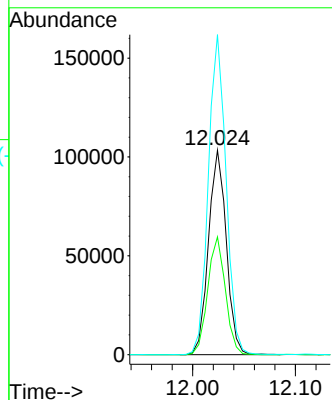
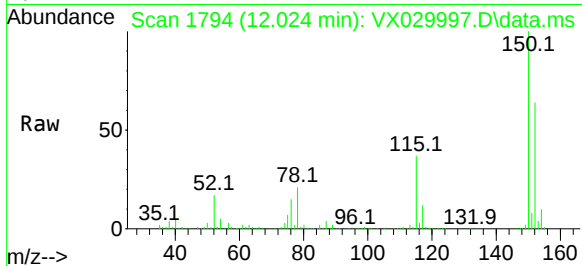




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

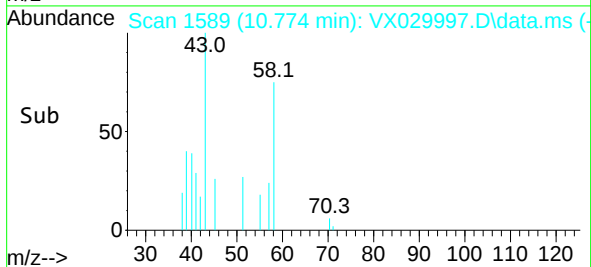
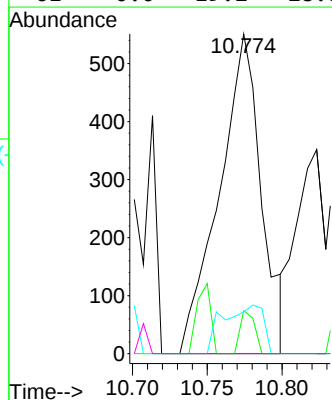
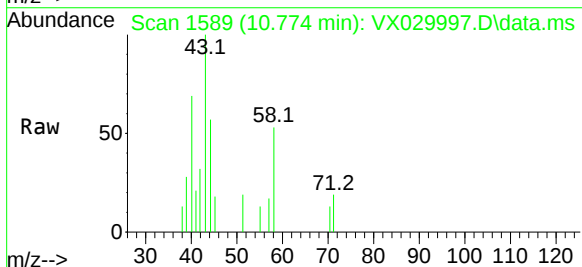
Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

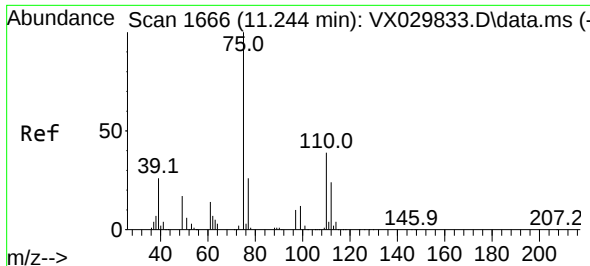
Tgt Ion:152 Resp: 124912
Ion Ratio Lower Upper
152 100
115 56.9 40.5 121.5
150 155.6 0.0 347.0



#74
N-ethyl acetate
Concen: 0.240 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
70 4.6 32.3 48.5#
55 14.6 18.4 27.6#
61 0.0 19.2 28.8#

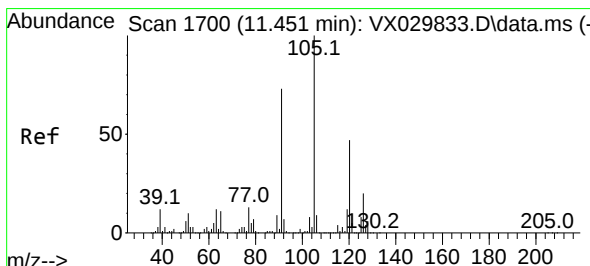
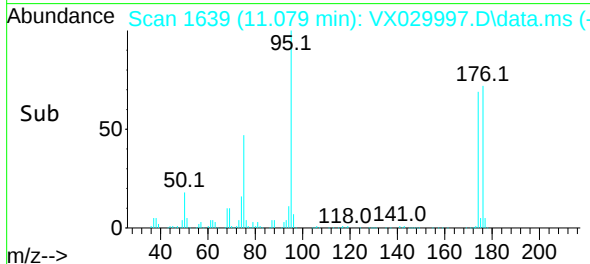
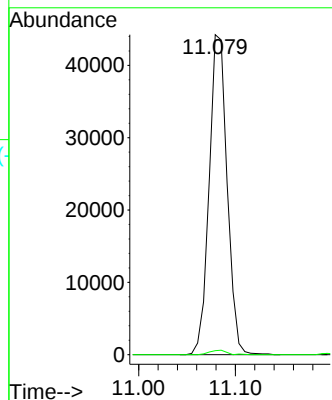
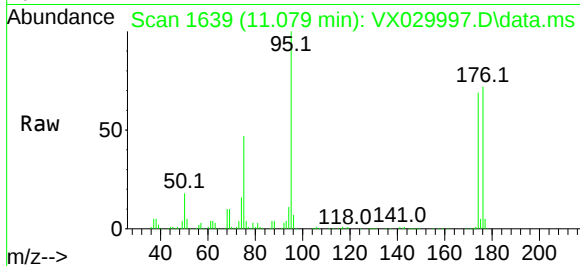




#76
1,2,3-Trichloropropane
Concen: 19.163 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.165 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

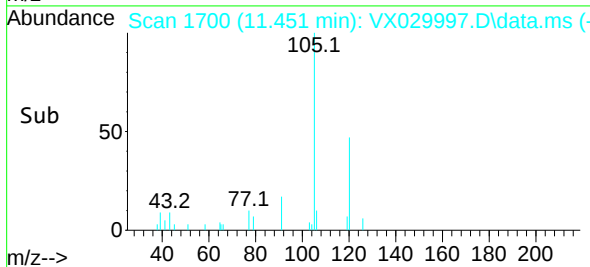
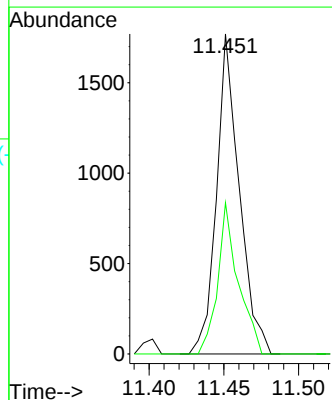
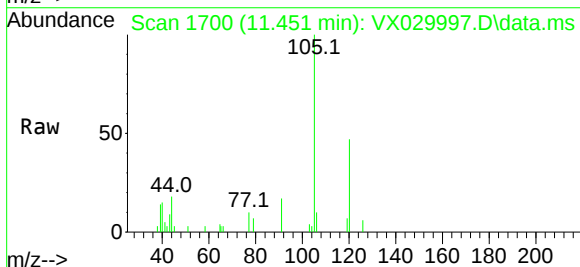
Instrument :
MSVOA_X
ClientSampleId :
PB146107#01

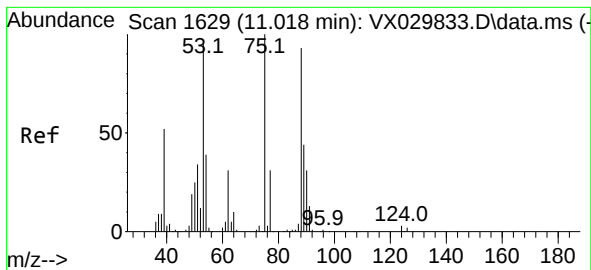
Tgt Ion: 75 Resp: 57301
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.249 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX029997.D
Acq: 11 Jul 2022 15:09

Tgt Ion: 105 Resp: 1870
Ion Ratio Lower Upper
105 100
120 42.7 24.4 73.2





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.857 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029997.D
 Acq: 11 Jul 2022 15:09

Instrument :
 MSVOA_X
 ClientSampleId :
 PB146107#01

Tgt Ion: 75 Resp: 57301
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

