

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029922.D
 Acq On : 05 Jul 2022 15:52
 Operator : JC/MD
 Sample : PB145991ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#08

Quant Time: Jul 06 06:56:35 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	208204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	363135	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	314288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	115427	43.797	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.600%
35) Dibromofluoromethane	5.391	113	103659	45.677	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.360%
50) Toluene-d8	8.653	98	415076	48.754	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.500%
62) 4-Bromofluorobenzene	11.085	95	136340	45.304	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.600%
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	225	1.165	ug/l	93
10) Methyl Iodide	2.459	142	165	1.929	ug/l #	45
11) Tert butyl alcohol	2.971	59	1018	1.477	ug/l #	74
13) Acrolein	2.239	56	112	Below Cal		98
16) Acetone	2.386	43	22734	17.632	ug/l	97
18) Methyl Acetate	2.709	43	1099	0.276	ug/l #	69
20) Methylene Chloride	2.788	84	11182	4.106	ug/l	93
25) 2-Butanone	4.581	43	6237	2.787	ug/l	99
29) Tetrahydrofuran	5.050	42	1238	0.841	ug/l #	59
31) Cyclohexane	5.562	56	4317	1.175	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	15782	5.229	ug/l #	47
37) Ethyl Acetate	4.733	43	13930	3.374	ug/l #	93
38) Carbon Tetrachloride	5.556	117	19921	7.617	ug/l #	18
43) Isopropyl Acetate	6.349	43	62483	10.051	ug/l	99
44) Trichloroethene	7.141	130	1266	0.482	ug/l	86
48) Methyl methacrylate	7.799	41	51803	17.576	ug/l #	41
49) 1,4-Dioxane	7.793	88	67	0.960	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	49826	12.155	ug/l #	55
54) cis-1,3-Dichloropropene	8.549	75	23709	6.512	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	3286	0.796	ug/l #	42
59) 2-Hexanone	9.488	43	39082	12.286	ug/l #	53
74) N-amyl acetate	10.781	43	954	0.203	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	64354	20.482	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	1632	0.207	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.079	75	64354	65.045	ug/l #	13

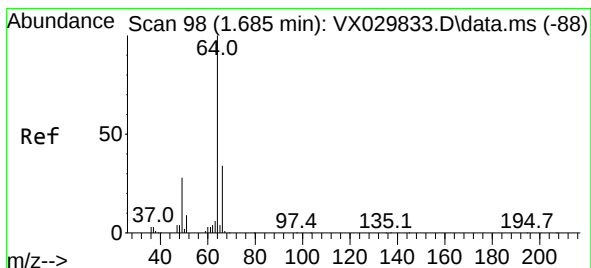
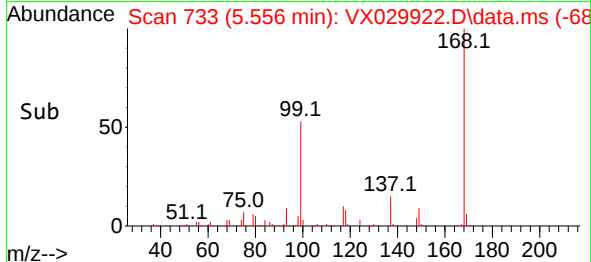
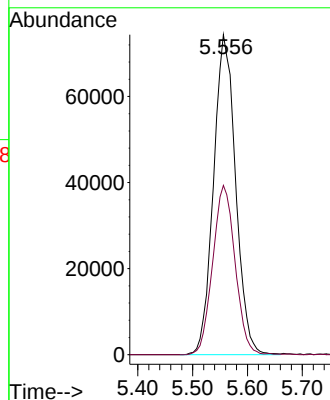
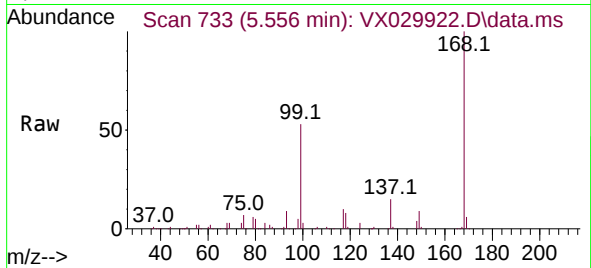
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

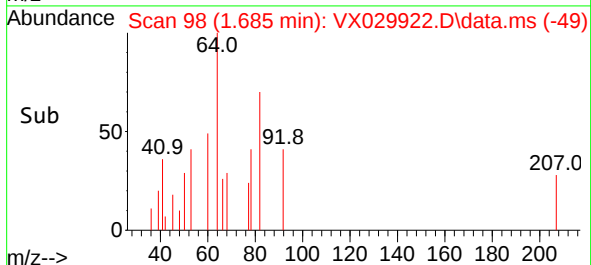
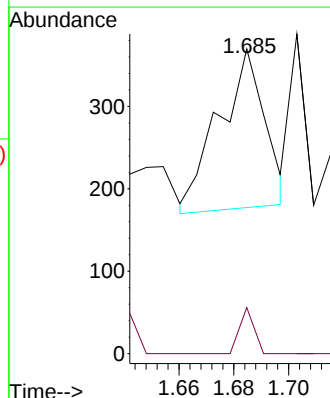
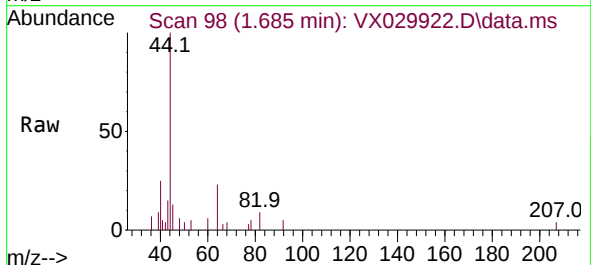
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#08

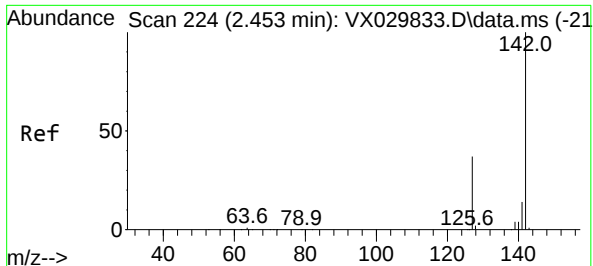
Tgt Ion:168 Resp: 208204
Ion Ratio Lower Upper
168 100
99 52.9 44.0 66.0



#6
Chloroethane
Concen: 1.165 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

Tgt Ion: 64 Resp: 225
Ion Ratio Lower Upper
64 100
66 29.8 27.2 40.8

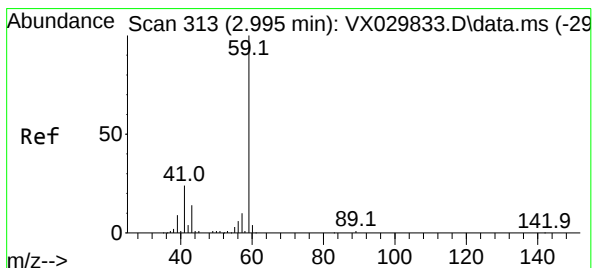
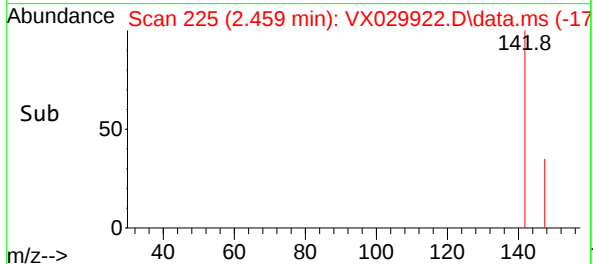
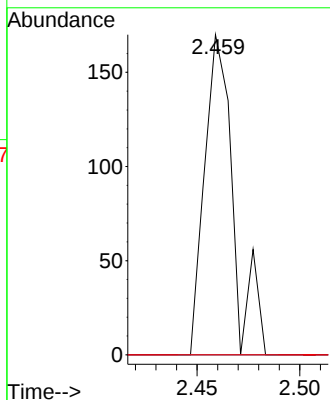
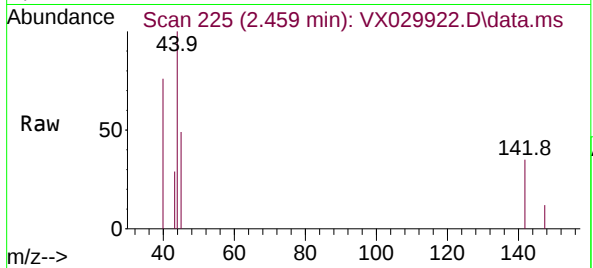




#10
Methyl Iodide
Concen: 1.929 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

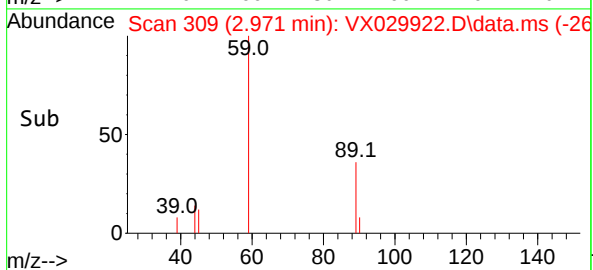
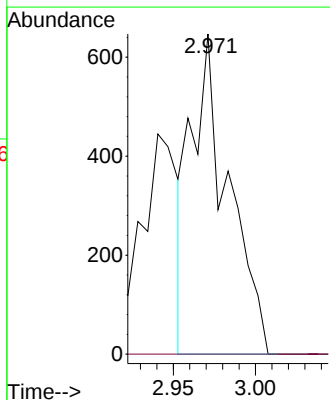
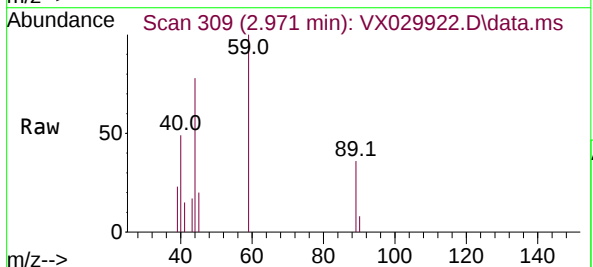
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#08

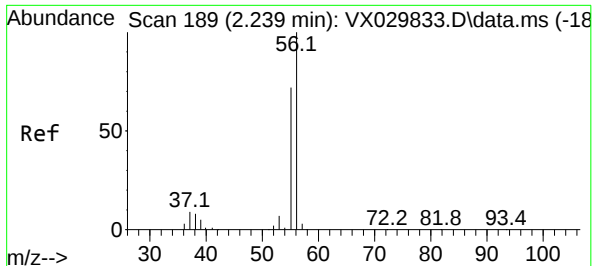
Tgt Ion:142 Resp: 165
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.477 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

Tgt Ion: 59 Resp: 1018
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

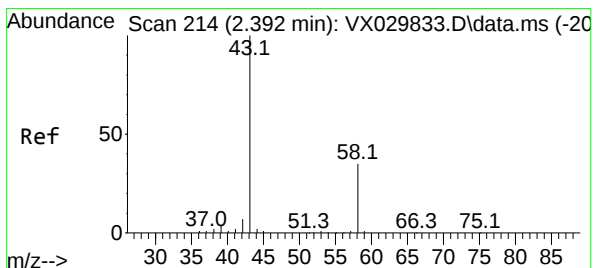
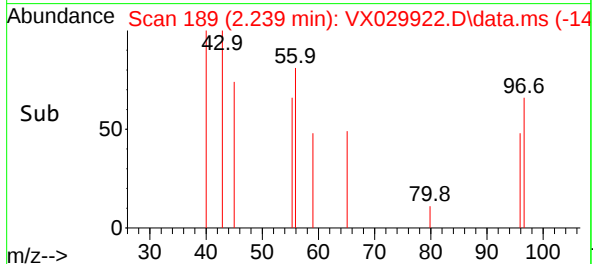
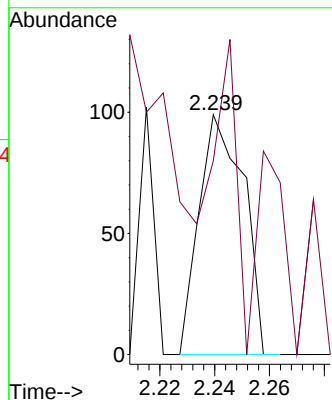
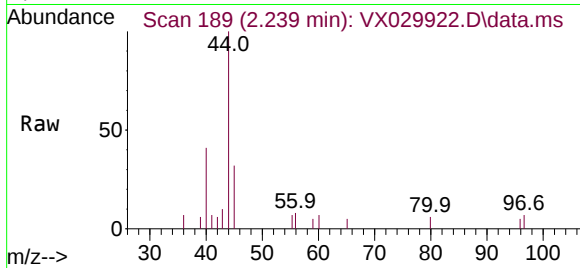




#13
Acrolein
Concen: Below Cal
RT: 2.239 min Scan# 112
Delta R.T. 0.000 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

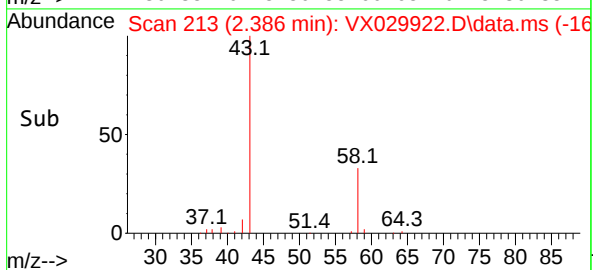
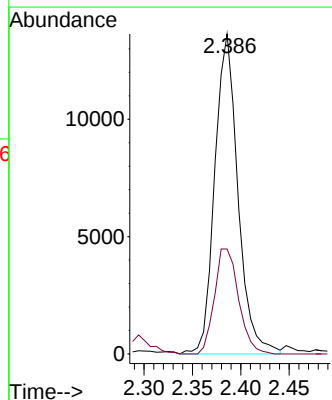
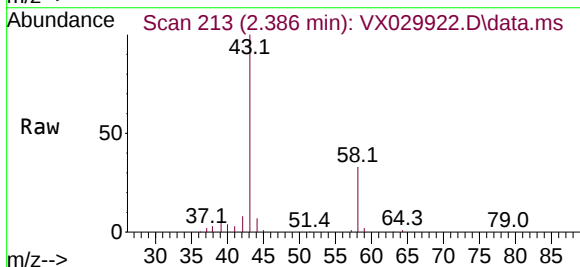
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#08

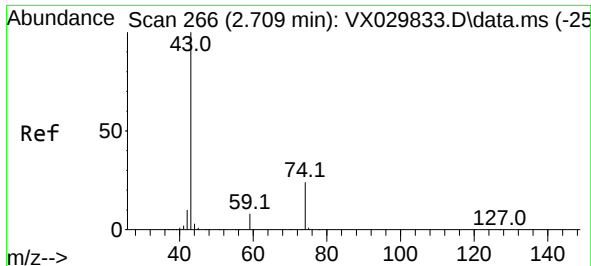
Tgt Ion: 56 Resp: 112
Ion Ratio Lower Upper
56 100
55 68.8 56.6 84.8



#16
Acetone
Concen: 17.632 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

Tgt Ion: 43 Resp: 22734
Ion Ratio Lower Upper
43 100
58 32.8 27.7 41.5

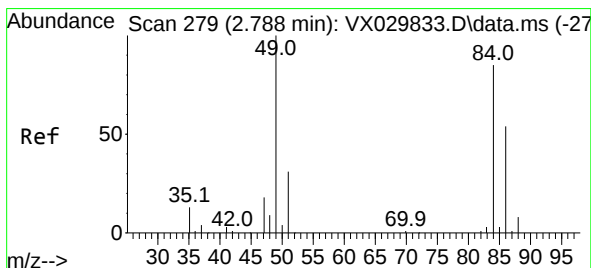
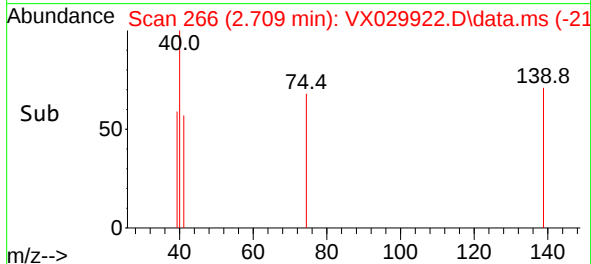
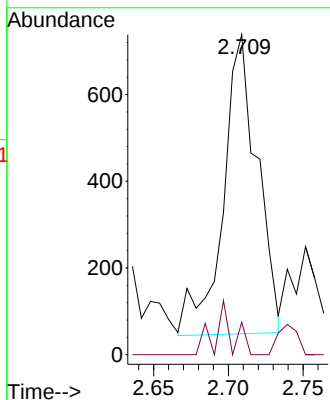
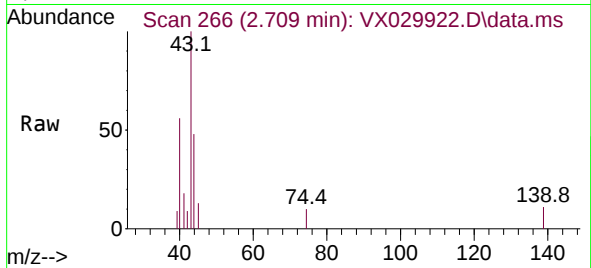




#18
Methyl Acetate
Concen: 0.276 ug/l
RT: 2.709 min Scan# 209
Delta R.T. 0.000 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

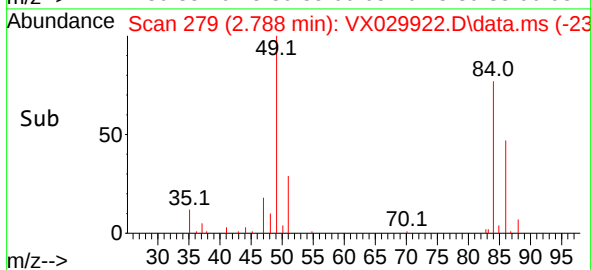
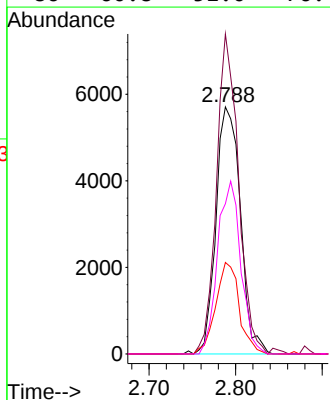
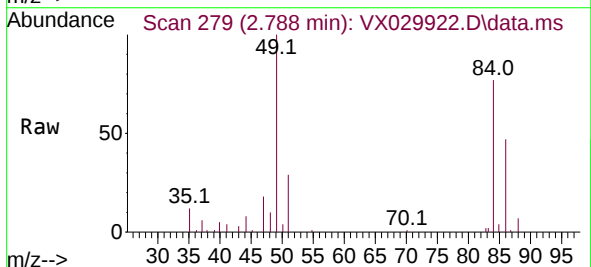
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#08

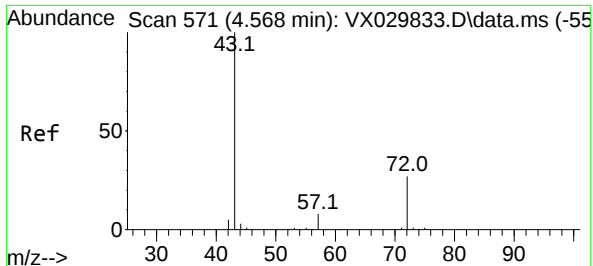
Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
74 9.1 19.4 29.2#



#20
Methylene Chloride
Concen: 4.106 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

Tgt Ion: 84 Resp: 11182
Ion Ratio Lower Upper
84 100
49 129.6 93.8 140.6
51 37.1 29.4 44.0
86 60.8 51.0 76.4





#25

2-Butanone

Concen: 2.787 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029922.D

Acq: 05 Jul 2022 15:52

Instrument :

MSVOA_X

ClientSampleId :

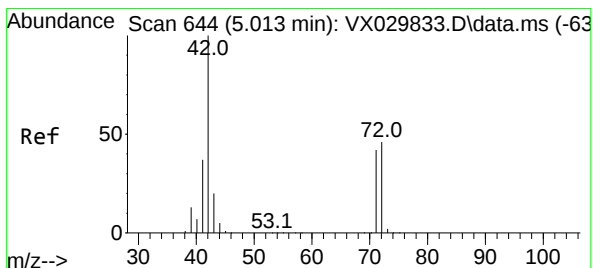
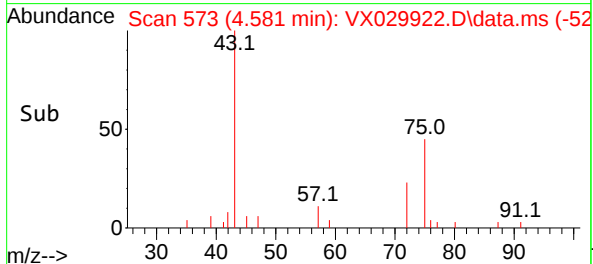
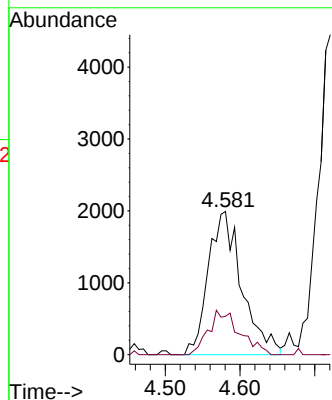
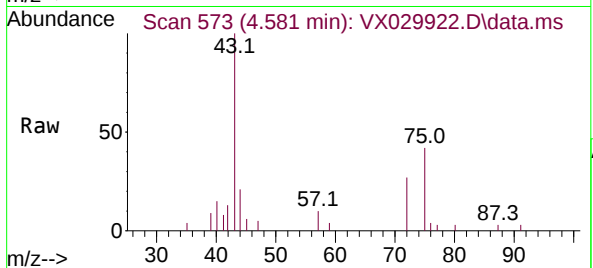
PB145991ZHE#08

Tgt Ion: 43 Resp: 6237

Ion Ratio Lower Upper

43 100

72 26.8 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.841 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.037 min

Lab File: VX029922.D

Acq: 05 Jul 2022 15:52

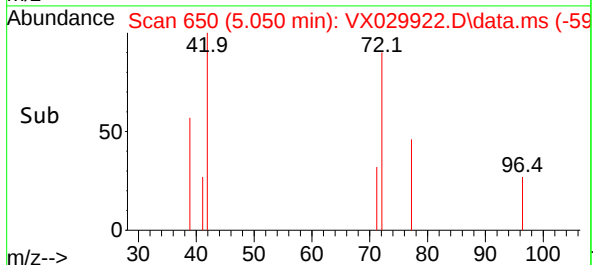
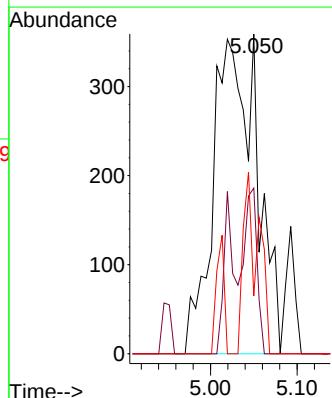
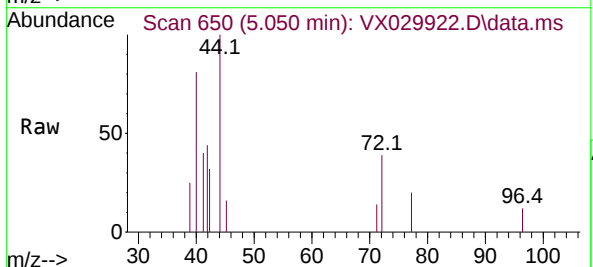
Tgt Ion: 42 Resp: 1238

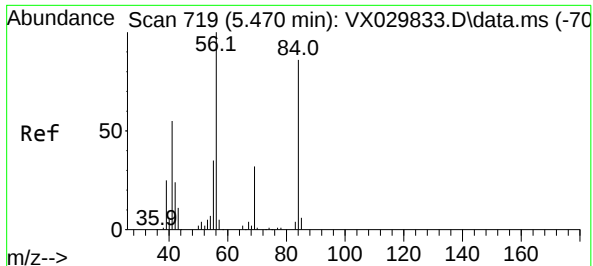
Ion Ratio Lower Upper

42 100

72 15.5 36.5 54.7#

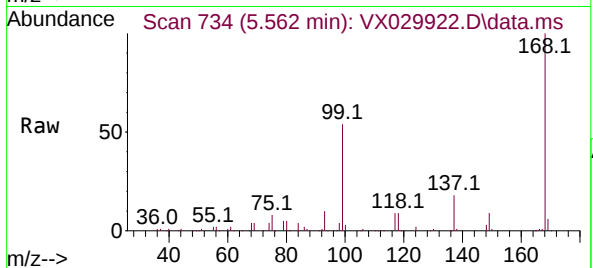
71 20.1 33.9 50.9#



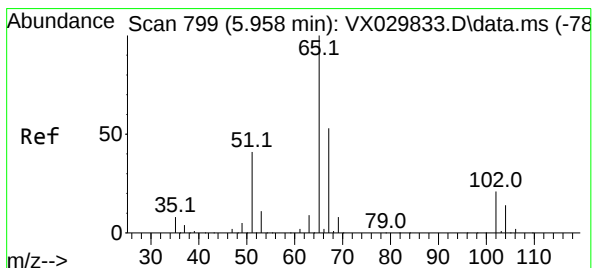
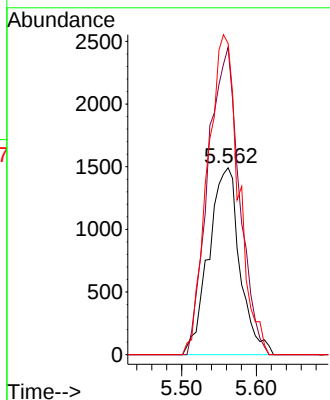
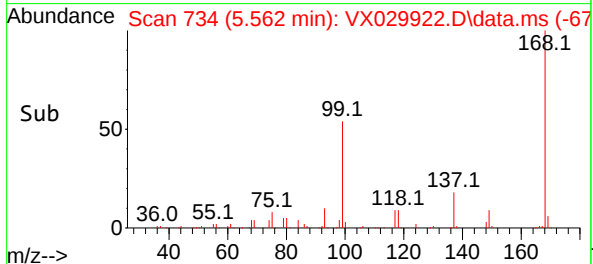


#31
Cyclohexane
Concen: 1.175 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

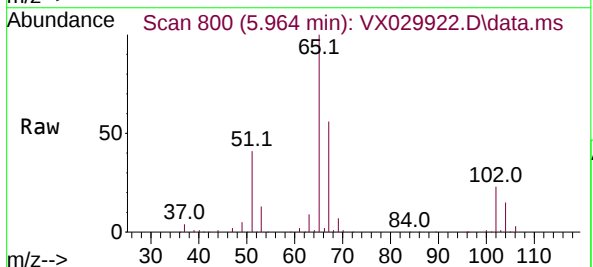
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MSVOA_X
ClientSampleId :
PB145991ZHE#08



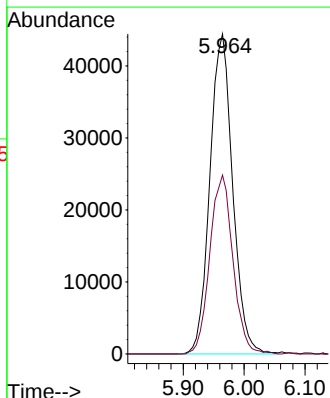
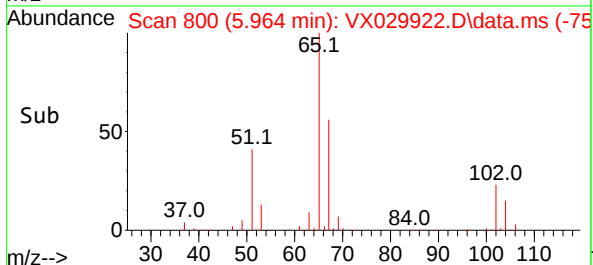
Tgt Ion: 56 Resp: 4317
Ion Ratio Lower Upper
56 100
69 164.4 25.4 38.0#
84 166.5 68.9 103.3#

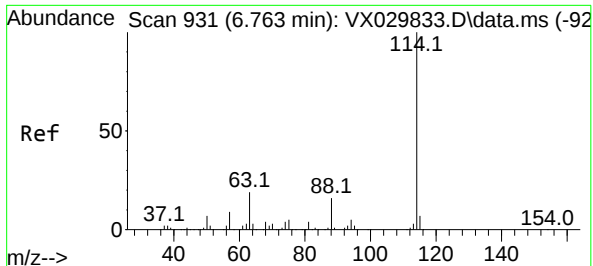


#33
1,2-Dichloroethane-d4
Concen: 43.797 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52



Tgt Ion: 65 Resp: 115427
Ion Ratio Lower Upper
65 100
67 56.7 0.0 109.6

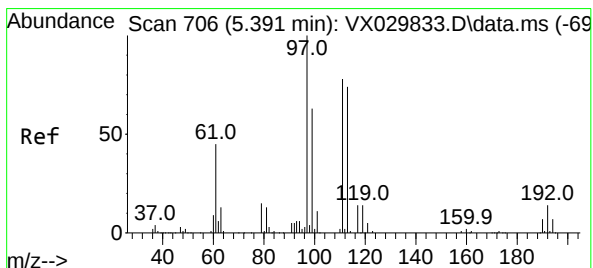
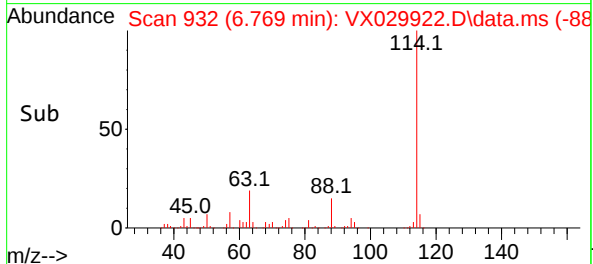
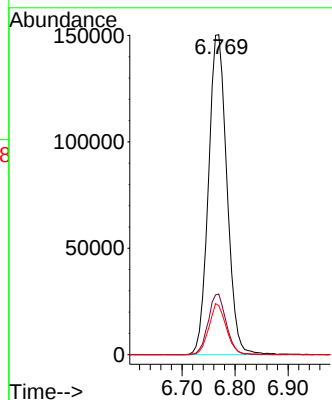
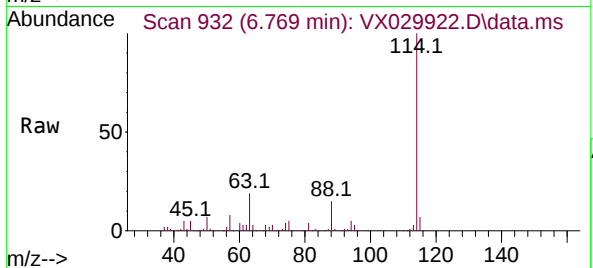




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

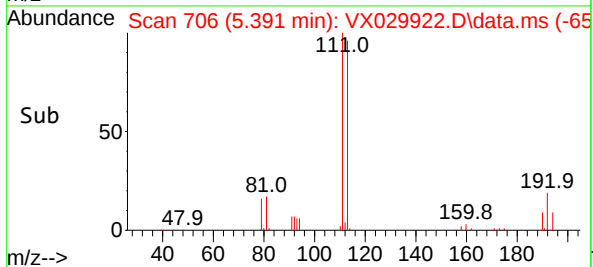
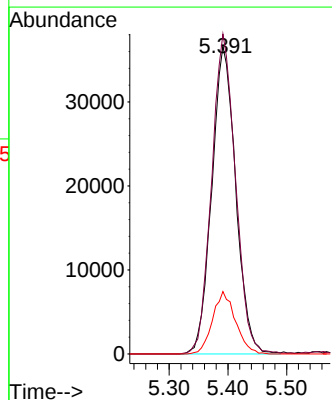
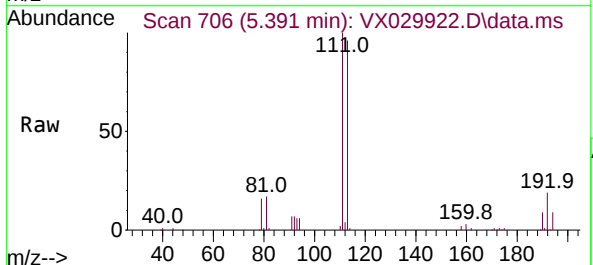
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#08

Tgt Ion:114 Resp: 363135
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.4
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.677 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

Tgt Ion:113 Resp: 103659
Ion Ratio Lower Upper
113 100
111 103.7 83.2 124.8
192 19.4 14.8 22.2

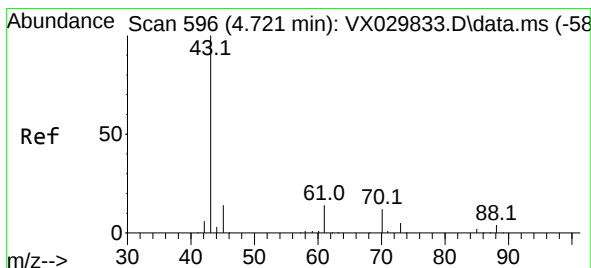
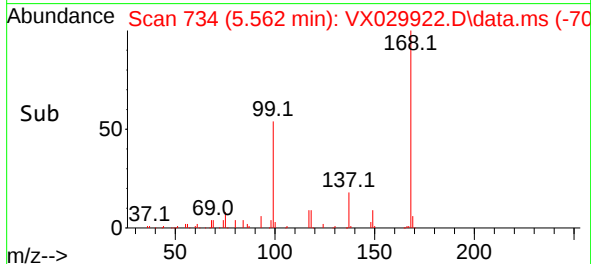
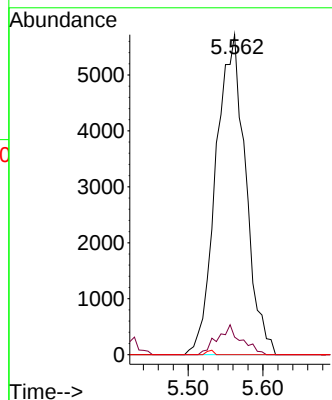
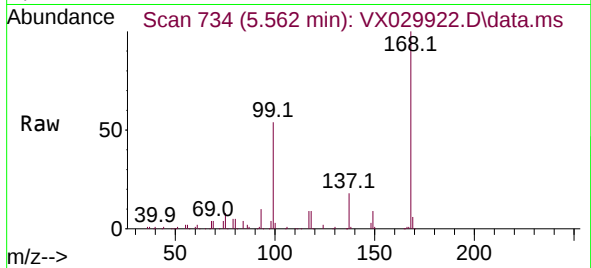




#36
1,1-Dichloropropene
Concen: 5.229 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

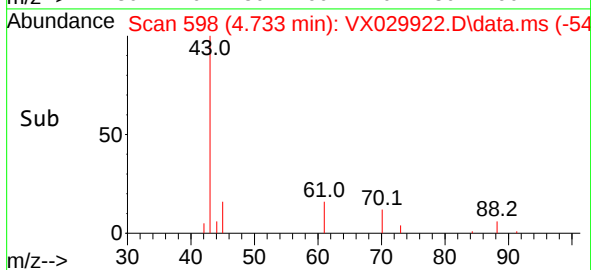
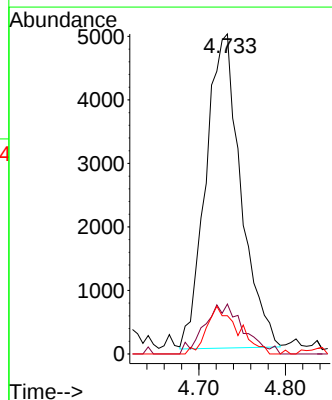
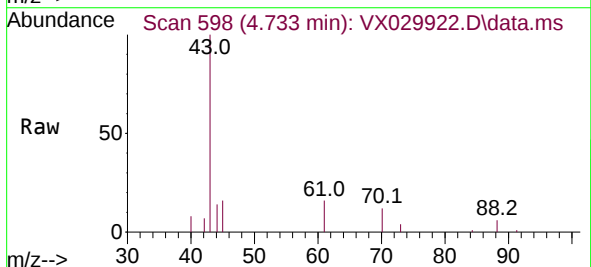
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#08

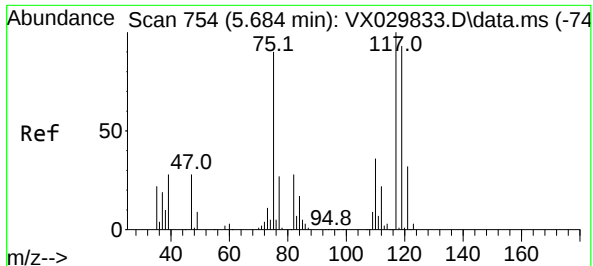
Tgt Ion: 75 Resp: 15782
Ion Ratio Lower Upper
75 100
110 7.5 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.374 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.012 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

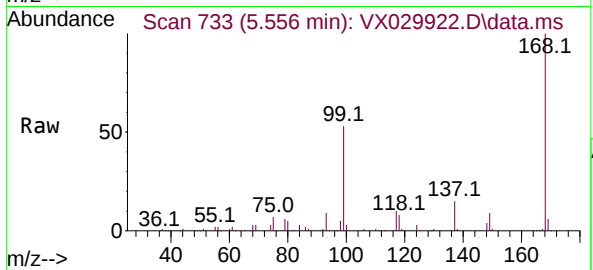
Tgt Ion: 43 Resp: 13930
Ion Ratio Lower Upper
43 100
61 17.8 11.7 17.5#
70 13.6 9.3 13.9



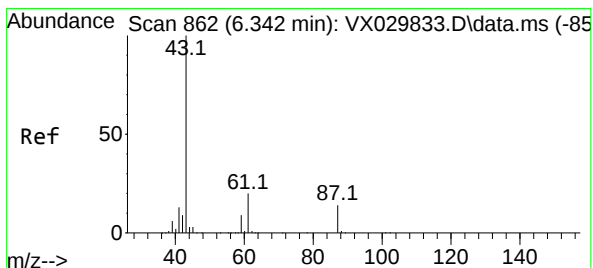
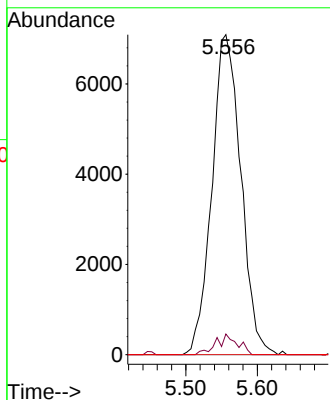
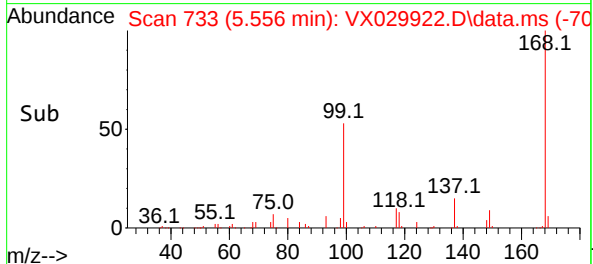


#38
Carbon Tetrachloride
Concen: 7.617 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#08

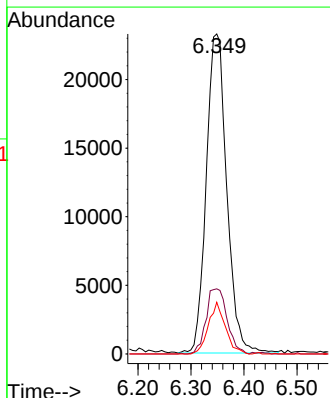
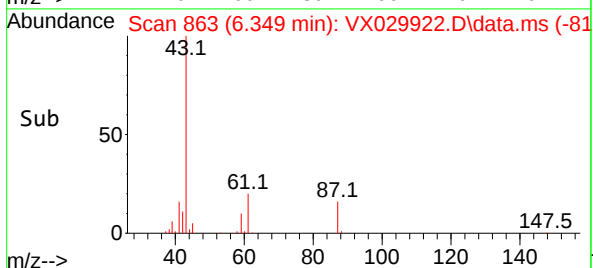
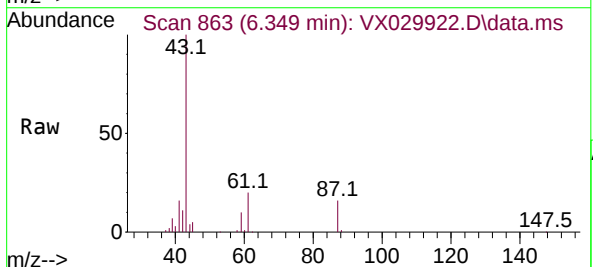


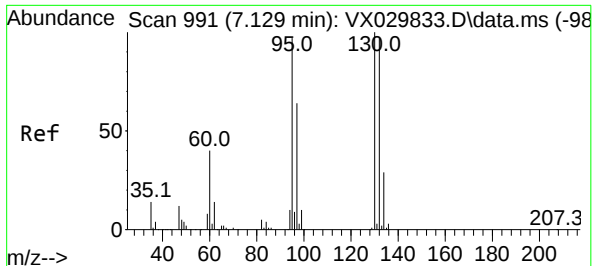
Tgt Ion:117 Resp: 19921
Ion Ratio Lower Upper
117 100
119 6.4 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 10.051 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

Tgt Ion: 43 Resp: 62483
Ion Ratio Lower Upper
43 100
61 20.9 16.5 24.7
87 13.4 11.1 16.7

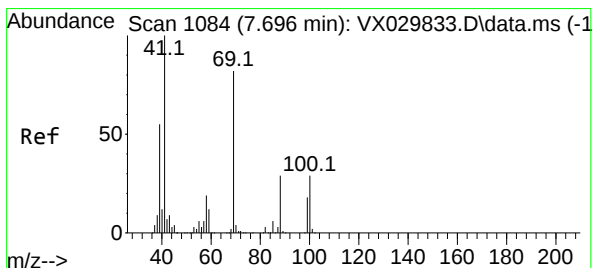
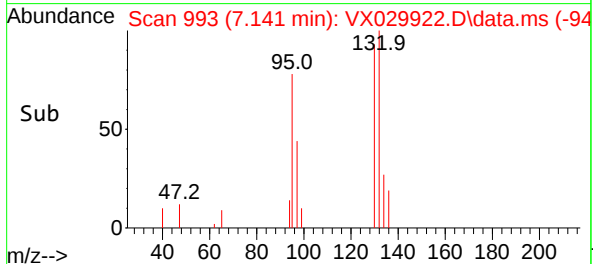
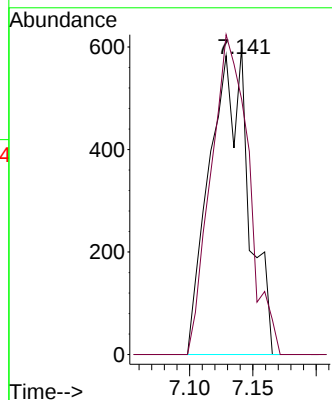
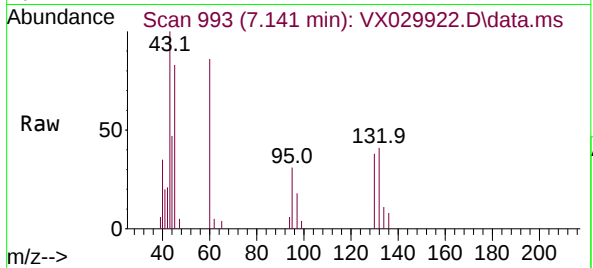




#44
Trichloroethene
Concen: 0.482 ug/l
RT: 7.141 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

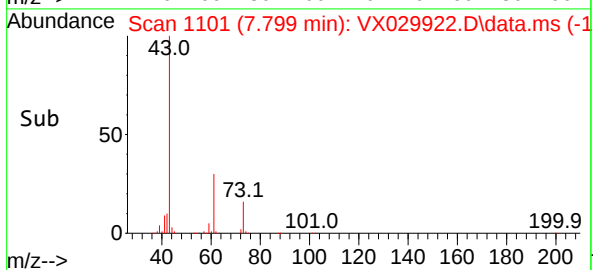
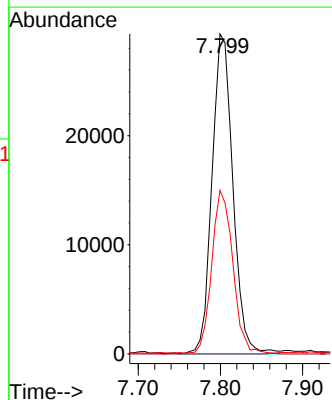
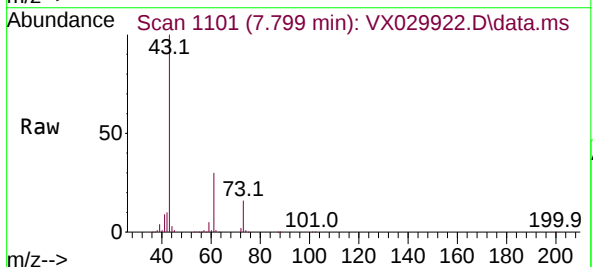
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#08

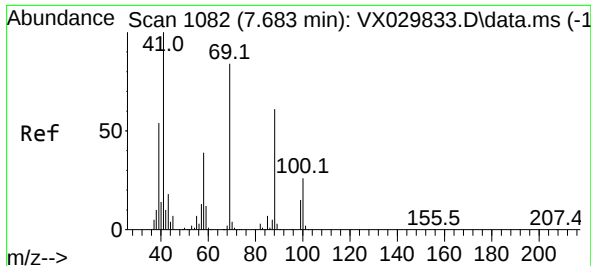
Tgt Ion:130 Resp: 1266
Ion Ratio Lower Upper
130 100
95 83.1 0.0 194.8



#48
Methyl methacrylate
Concen: 17.576 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

Tgt Ion: 41 Resp: 51803
Ion Ratio Lower Upper
41 100
69 0.0 68.8 103.2#
39 51.0 44.6 66.8





#49

1,4-Dioxane

Concen: 0.960 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.110 min

Lab File: VX029922.D

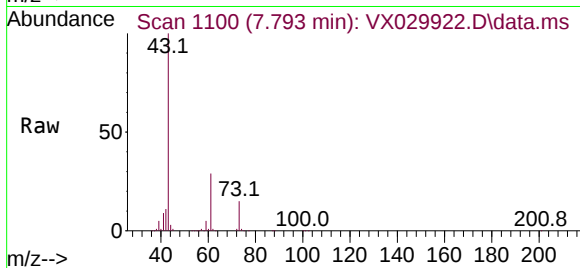
Acq: 05 Jul 2022 15:52

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#08



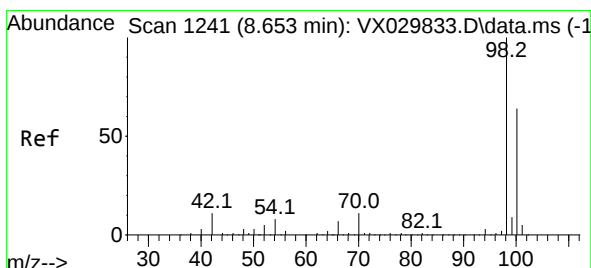
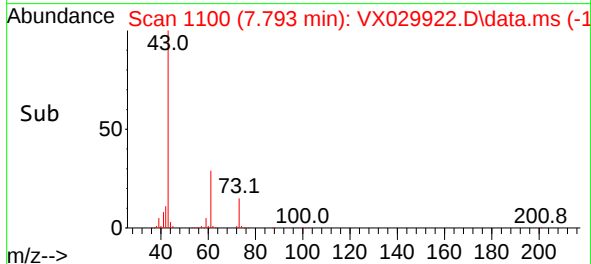
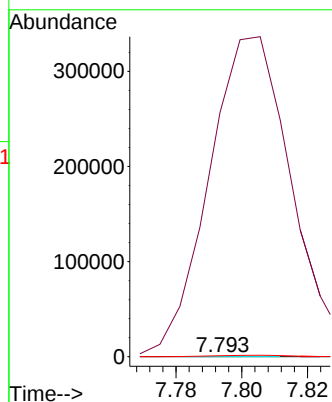
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 889161.2 23.8 35.8#

58 3707.5 53.8 80.6#



#50

Toluene-d8

Concen: 48.754 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX029922.D

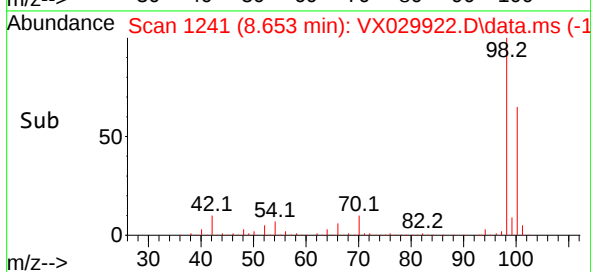
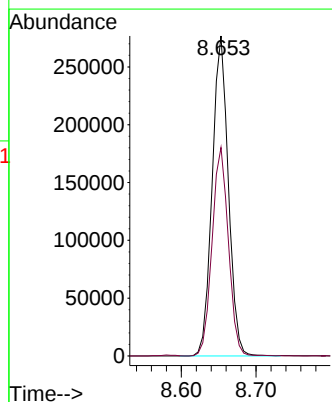
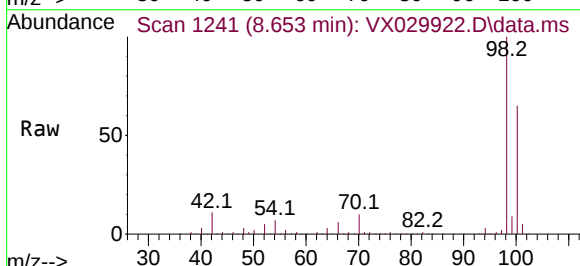
Acq: 05 Jul 2022 15:52

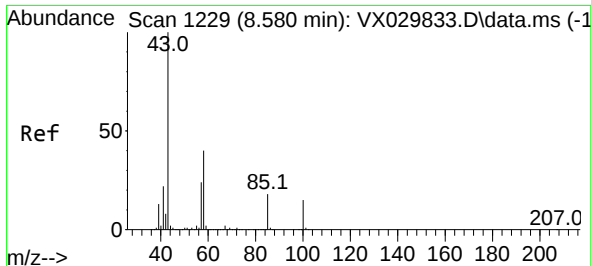
Tgt Ion: 98 Resp: 415076

Ion Ratio Lower Upper

98 100

100 65.9 52.3 78.5

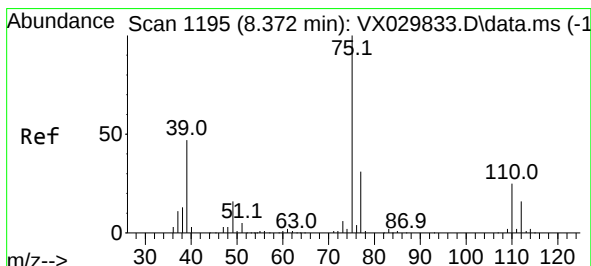
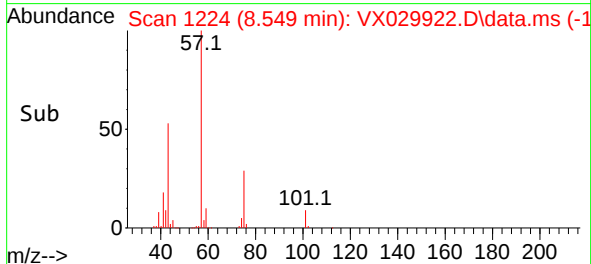
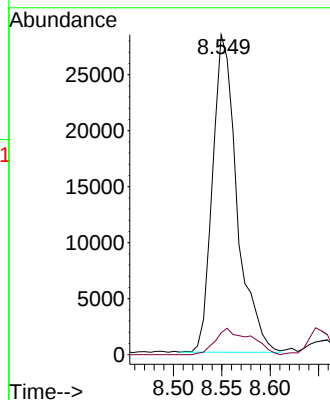
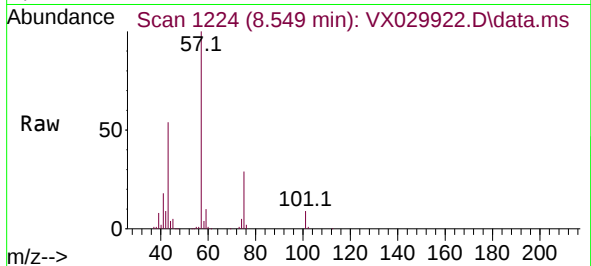




#51
4-Methyl-2-Pentanone
Concen: 12.155 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

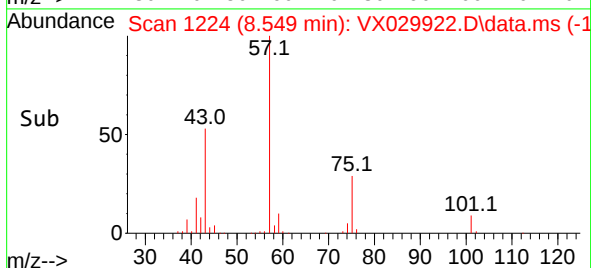
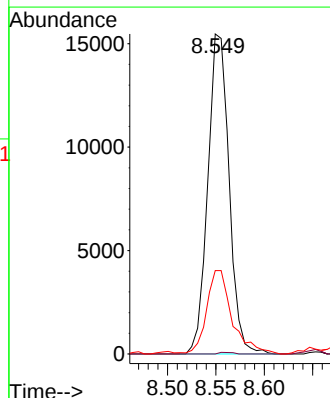
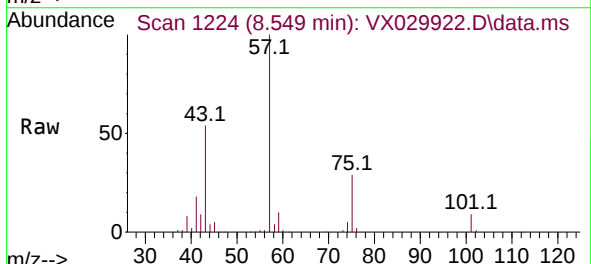
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#08

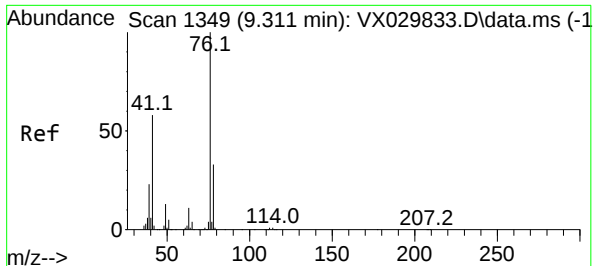
Tgt Ion: 43 Resp: 49826
Ion Ratio Lower Upper
43 100
58 12.0 31.4 47.2#



#54
cis-1,3-Dichloropropene
Concen: 6.512 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

Tgt Ion: 75 Resp: 23709
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 26.1 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 0.796 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX029922.D

Acq: 05 Jul 2022 15:52

Instrument :

MSVOA_X

ClientSampleId :

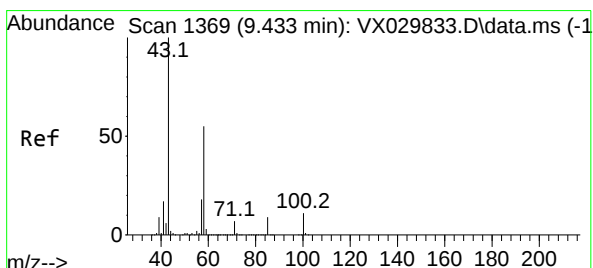
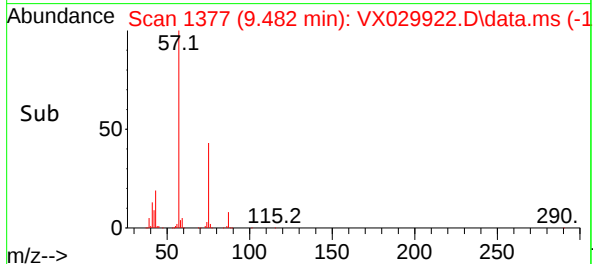
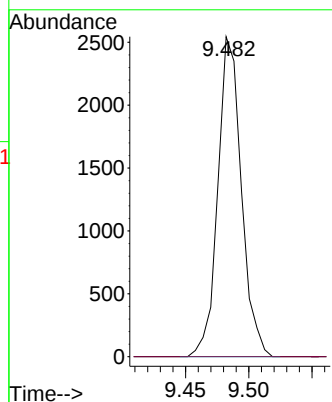
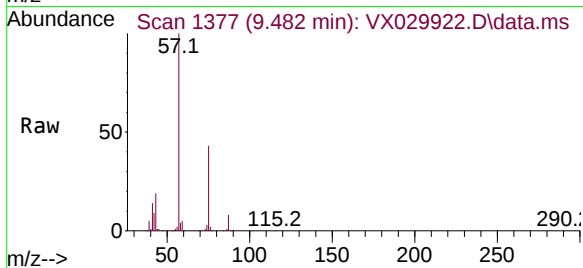
PB145991ZHE#08

Tgt Ion: 76 Resp: 3286

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 12.286 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX029922.D

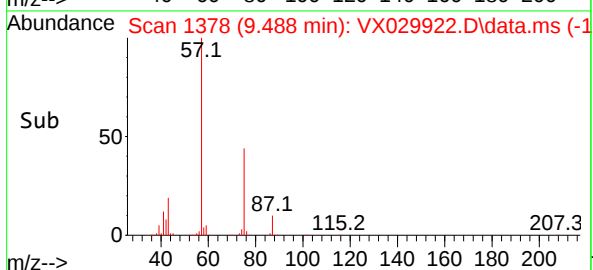
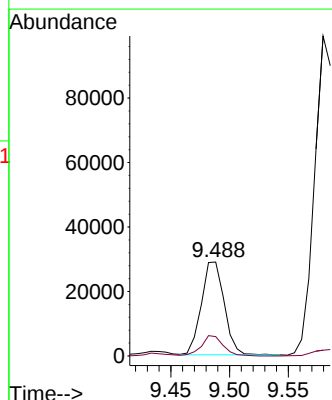
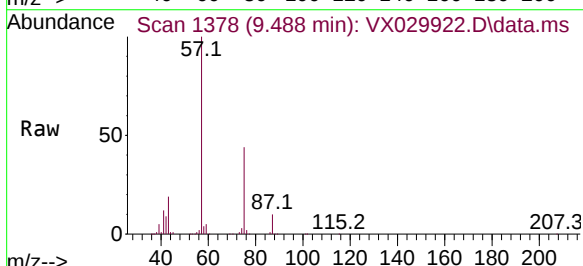
Acq: 05 Jul 2022 15:52

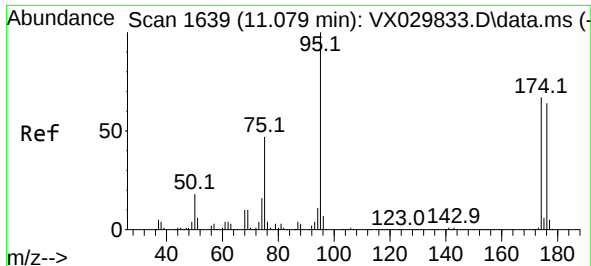
Tgt Ion: 43 Resp: 39082

Ion Ratio Lower Upper

43 100

58 20.9 27.6 82.8#

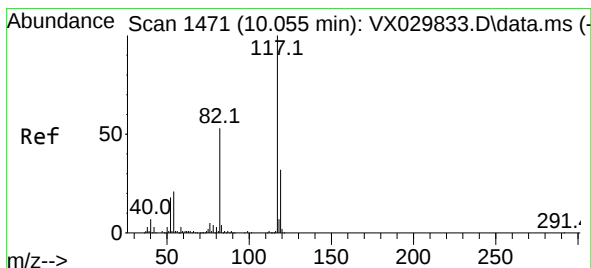
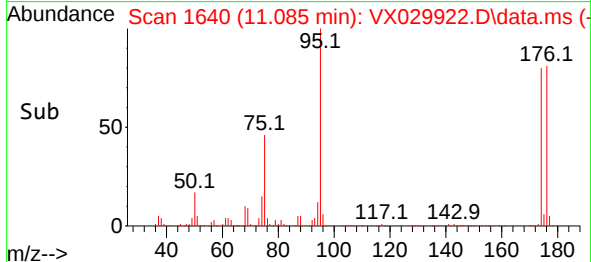
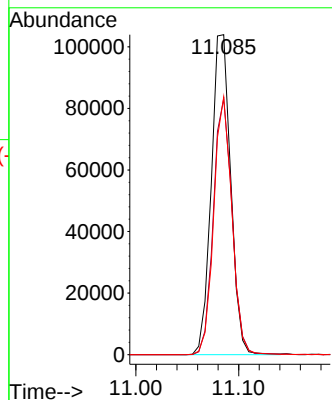
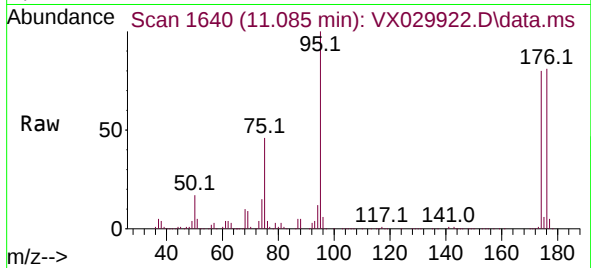




#62
4-Bromofluorobenzene
Concen: 45.304 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

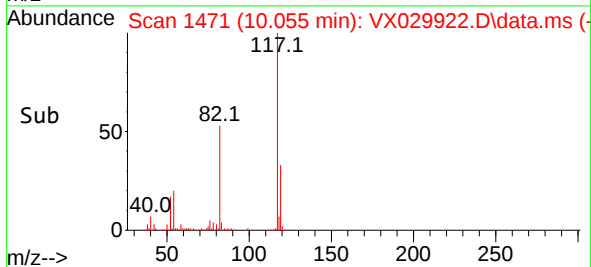
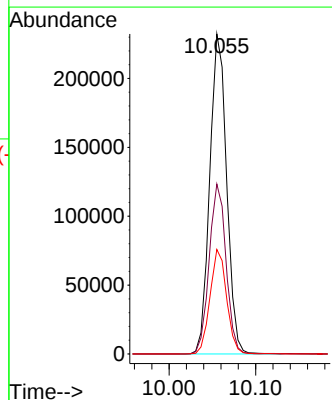
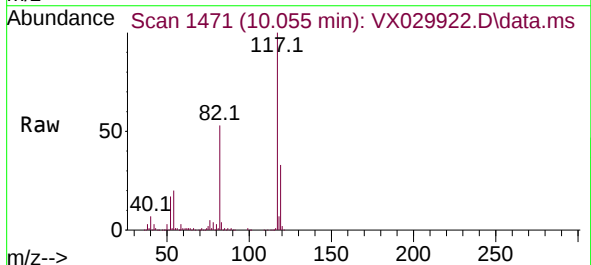
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#08

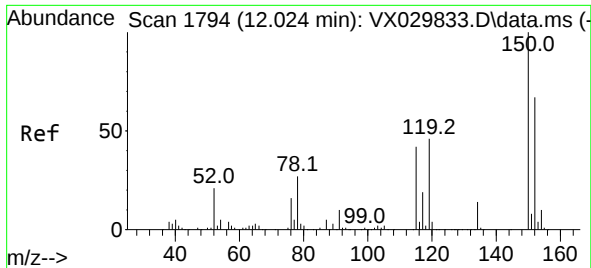
Tgt Ion: 95 Resp: 136340
Ion Ratio Lower Upper
95 100
174 76.7 0.0 149.0
176 75.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

Tgt Ion: 117 Resp: 314288
Ion Ratio Lower Upper
117 100
82 53.1 42.7 64.1
119 32.7 25.4 38.2

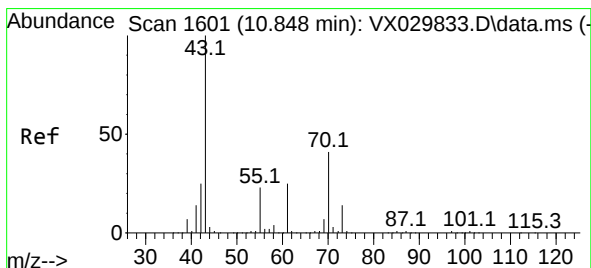
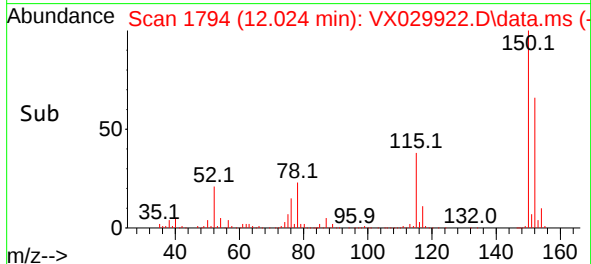
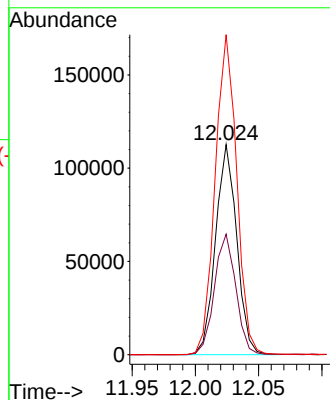
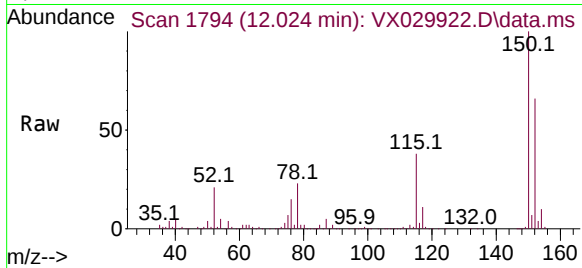




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

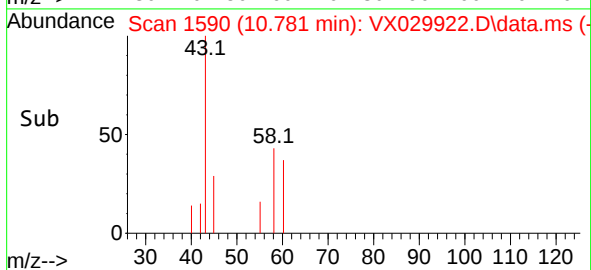
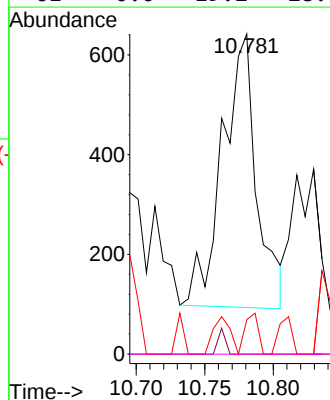
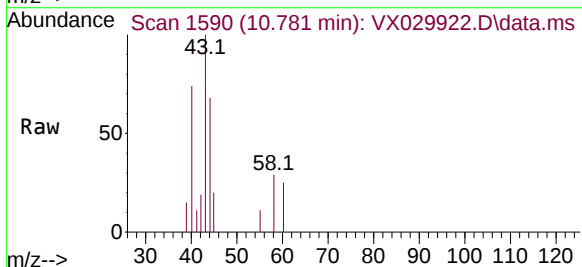
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#08

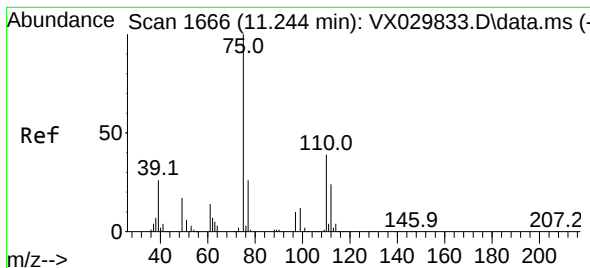
Tgt Ion:152 Resp: 131254
Ion Ratio Lower Upper
152 100
115 58.2 40.5 121.5
150 154.9 0.0 347.0



#74
N-ethyl acetate
Concen: 0.203 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.067 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

Tgt Ion: 43 Resp: 954
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 5.8 18.4 27.6#
61 0.0 19.2 28.8#

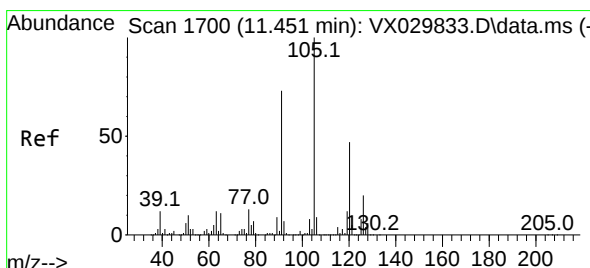
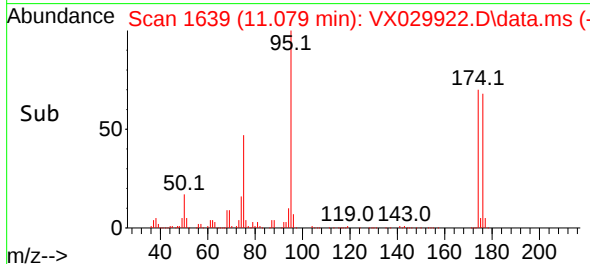
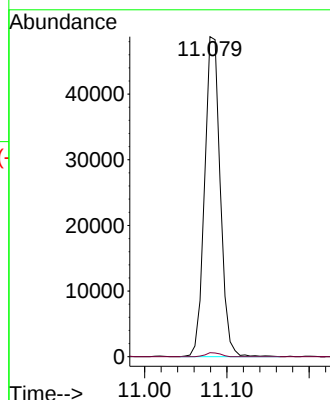
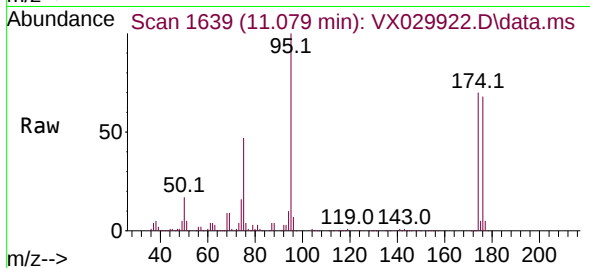




#76
1,2,3-Trichloropropane
Concen: 20.482 ug/l
RT: 11.079 min Scan# 110
Delta R.T. -0.164 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

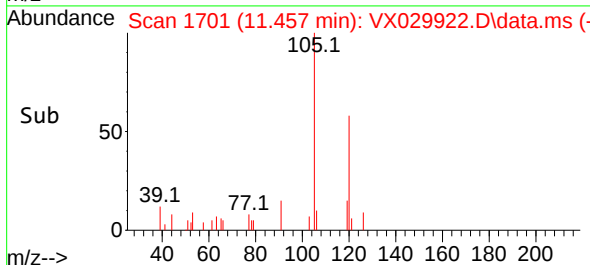
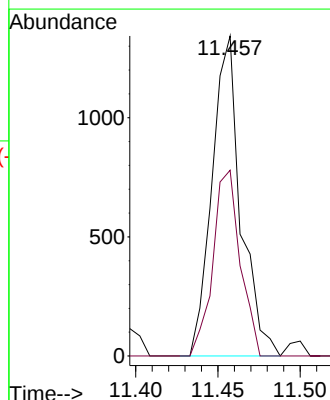
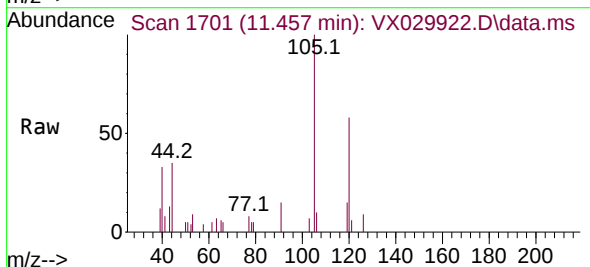
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#08

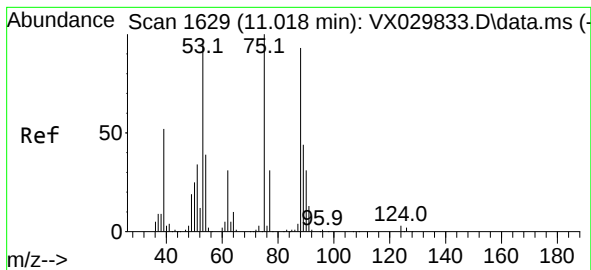
Tgt Ion: 75 Resp: 64354
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.207 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX029922.D
Acq: 05 Jul 2022 15:52

Tgt Ion: 105 Resp: 1632
Ion Ratio Lower Upper
105 100
120 55.1 24.4 73.2





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.045 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029922.D
 Acq: 05 Jul 2022 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#08

Tgt Ion: 75 Resp: 64354
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.0 34.8 52.2#

