

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
 Data File : VX029998.D
 Acq On : 11 Jul 2022 15:33
 Operator : JC/MD
 Sample : PB146107#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

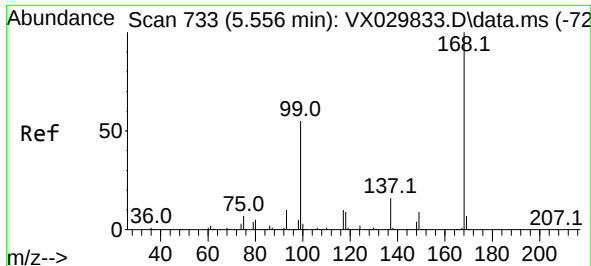
Instrument :
 MSVOA_X
 ClientSampleId :
 PB146107#02

Quant Time: Jul 12 02:03:20 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	182906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	315710	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96319	41.601	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.200%
35) Dibromofluoromethane	5.391	113	92883	47.077	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.160%
50) Toluene-d8	8.653	98	353842	47.805	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.620%
62) 4-Bromofluorobenzene	11.085	95	116641	44.581	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.160%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	432	0.384	ug/l #	46
6) Chloroethane	1.684	64	204	1.169	ug/l #	76
10) Methyl Iodide	2.453	142	549	2.083	ug/l #	90
11) Tert butyl alcohol	2.952	59	2186	3.610	ug/l #	84
13) Acrolein	2.239	56	72	Below Cal	#	60
16) Acetone	2.379	43	18649	16.464	ug/l	97
18) Methyl Acetate	2.709	43	1416	0.405	ug/l #	84
20) Methylene Chloride	2.794	84	10839	4.531	ug/l	91
25) 2-Butanone	4.568	43	5387	2.740	ug/l	96
31) Cyclohexane	5.562	56	3485	1.080	ug/l #	30
36) 1,1-Dichloropropene	5.556	75	13468	5.132	ug/l #	44
37) Ethyl Acetate	4.733	43	16576	4.619	ug/l	97
38) Carbon Tetrachloride	5.550	117	16332	7.183	ug/l #	19
43) Isopropyl Acetate	6.348	43	66878	12.375	ug/l	99
44) Trichloroethene	7.122	130	940	0.411	ug/l	85
48) Methyl methacrylate	7.604	41	2695	1.052	ug/l #	13
49) 1,4-Dioxane	7.641	88	80	1.318	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	52784	14.811	ug/l #	53
54) cis-1,3-Dichloropropene	8.549	75	25518	8.062	ug/l #	61
57) 1,3-Dichloropropane	9.488	76	3872	1.079	ug/l #	42
59) 2-Hexanone	9.482	43	48429	17.511	ug/l #	52
76) 1,2,3-Trichloropropane	11.085	75	52733	19.149	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	1636	0.237	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.085	75	52733	60.813	ug/l #	13

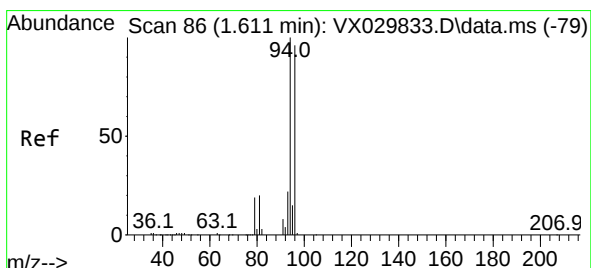
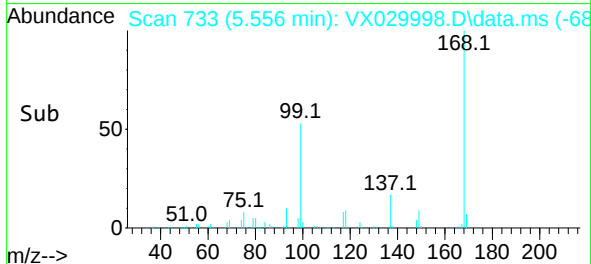
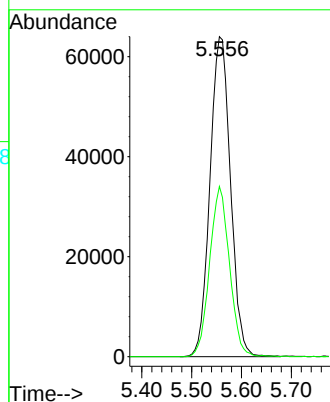
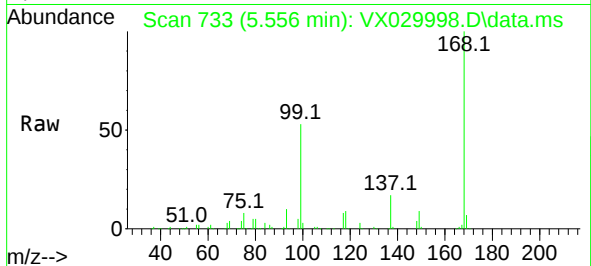
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

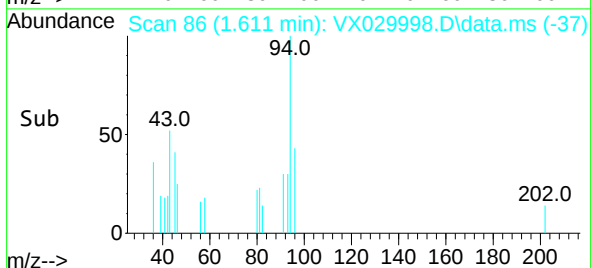
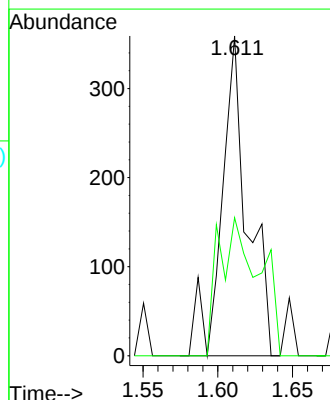
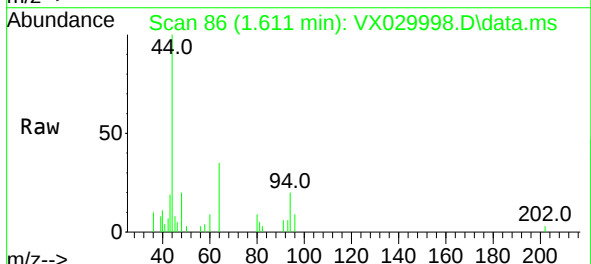
Instrument :
MSVOA_X
ClientSampleId :
PB146107#02

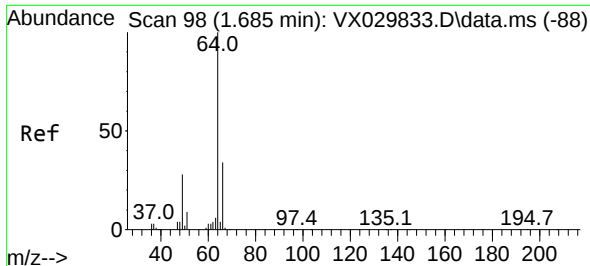
Tgt Ion:168 Resp: 182906
Ion Ratio Lower Upper
168 100
99 53.2 44.0 66.0



#5
Bromomethane
Concen: 0.384 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

Tgt Ion: 94 Resp: 432
Ion Ratio Lower Upper
94 100
96 43.2 76.9 115.3#

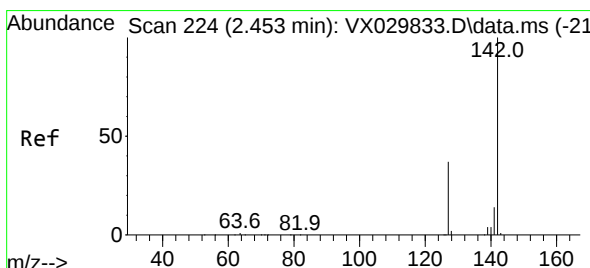
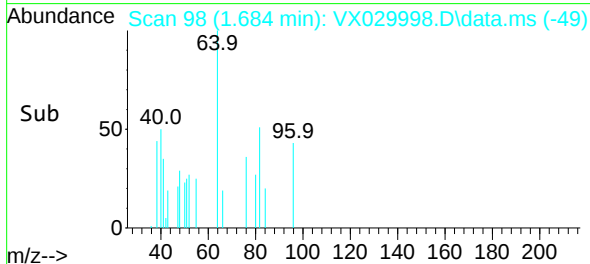
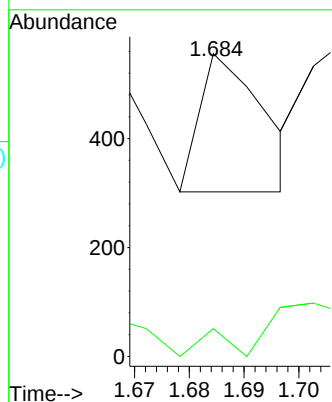
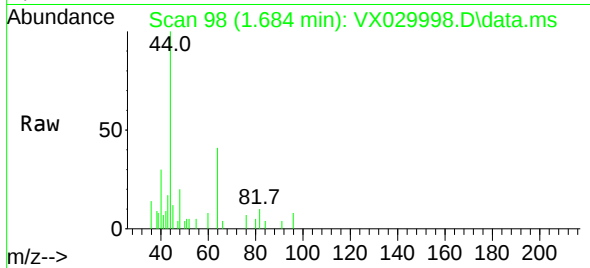




#6
Chloroethane
Concen: 1.169 ug/l
RT: 1.684 min Scan# 98
Delta R.T. -0.001 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

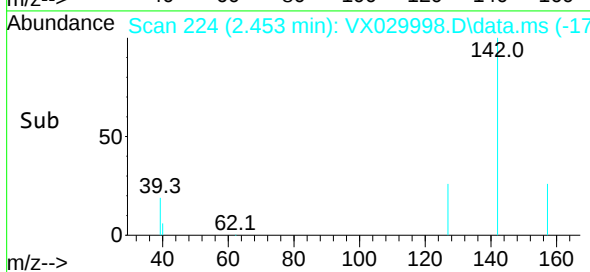
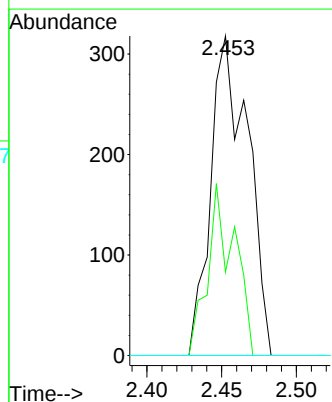
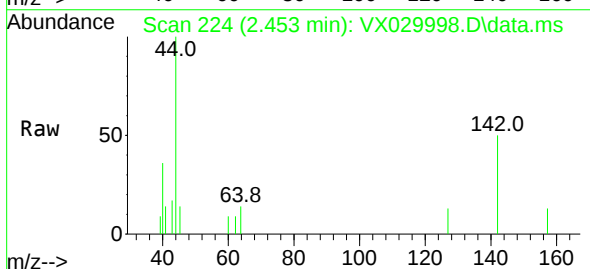
Instrument :
MSVOA_X
ClientSampleId :
PB146107#02

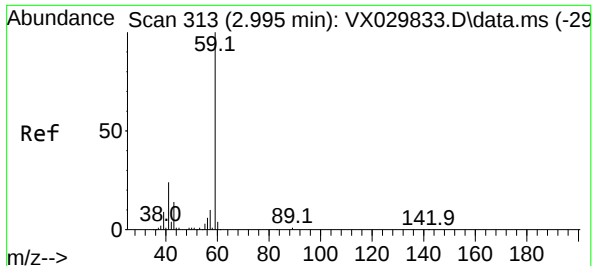
Tgt Ion: 64 Resp: 204
Ion Ratio Lower Upper
64 100
66 20.1 27.2 40.8#



#10
Methyl Iodide
Concen: 2.083 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

Tgt Ion: 142 Resp: 549
Ion Ratio Lower Upper
142 100
127 38.4 30.2 45.2
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 3.610 ug/l

RT: 2.952 min Scan# 306

Delta R.T. -0.043 min

Lab File: VX029998.D

Acq: 11 Jul 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

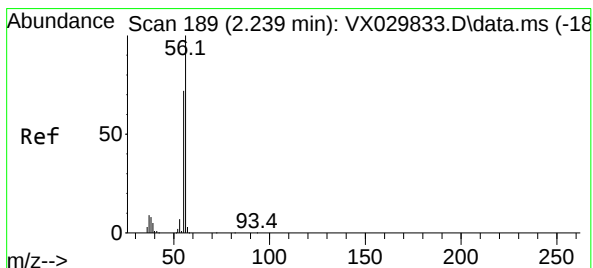
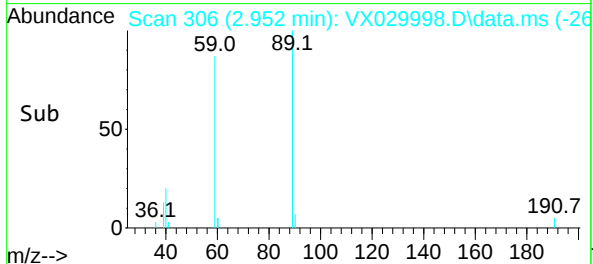
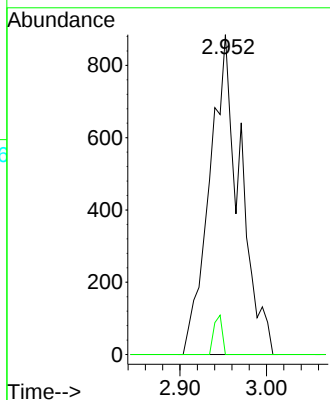
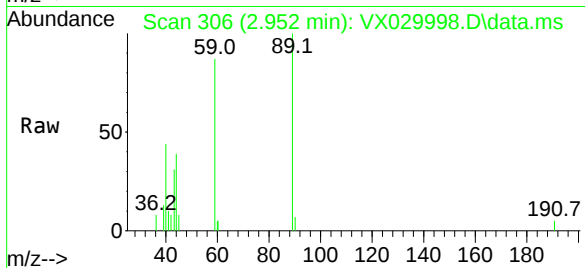
PB146107#02

Tgt Ion: 59 Resp: 2186

Ion Ratio Lower Upper

59 100

57 3.3 7.4 11.2#



#13

Acrolein

Concen: Below Cal

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX029998.D

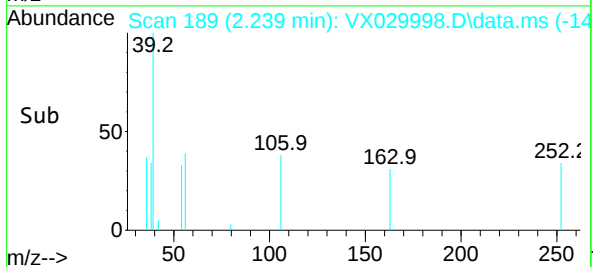
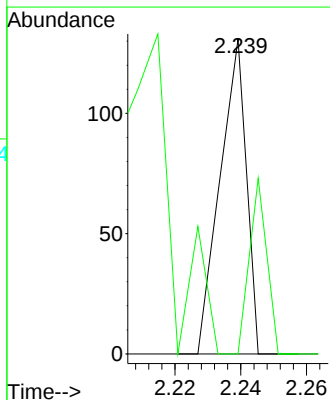
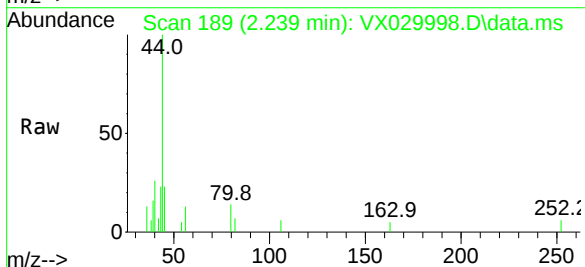
Acq: 11 Jul 2022 15:33

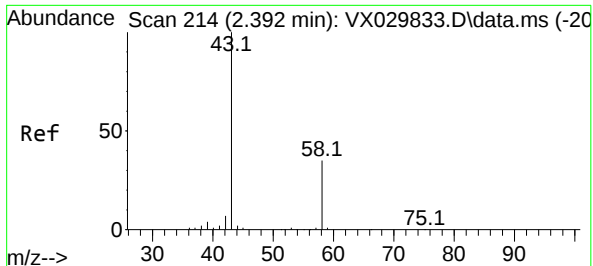
Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

55 37.5 56.6 84.8#

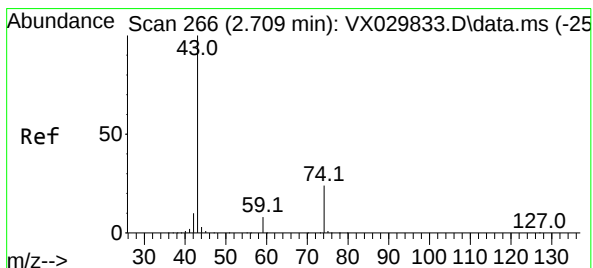
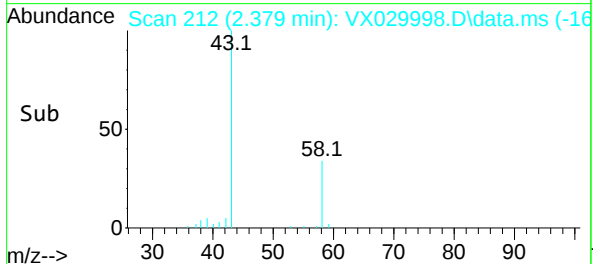
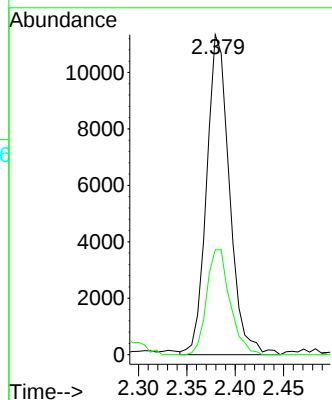
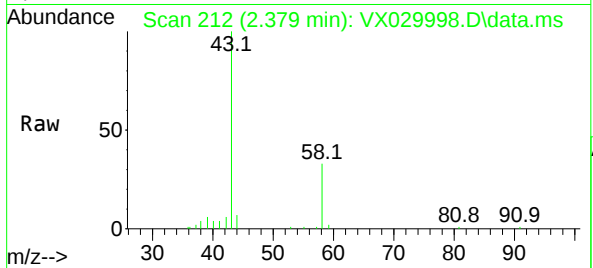




#16
Acetone
Concen: 16.464 ug/l
RT: 2.379 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

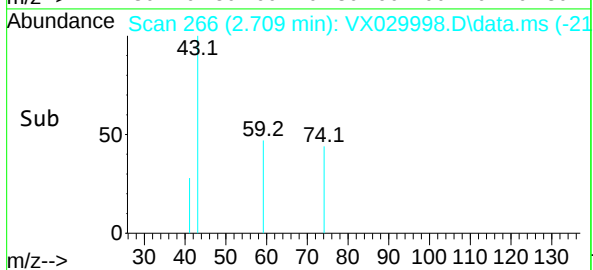
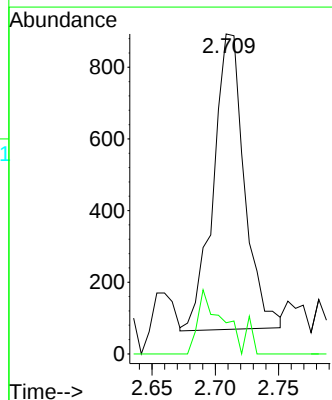
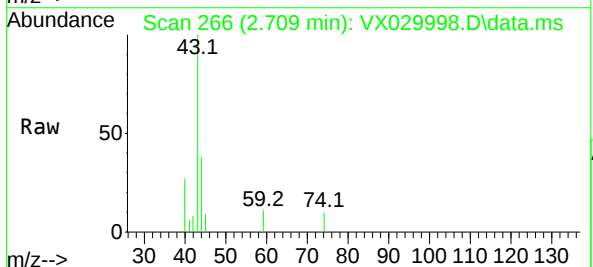
Instrument :
MSVOA_X
ClientSampleId :
PB146107#02

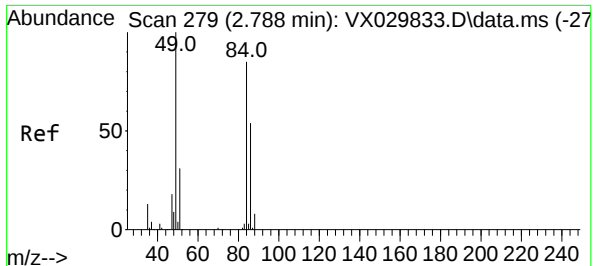
Tgt Ion: 43 Resp: 18649
Ion Ratio Lower Upper
43 100
58 32.8 27.7 41.5



#18
Methyl Acetate
Concen: 0.405 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

Tgt Ion: 43 Resp: 1416
Ion Ratio Lower Upper
43 100
74 16.5 19.4 29.2#





#20

Methylene Chloride

Concen: 4.531 ug/l

RT: 2.794 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX029998.D

Acq: 11 Jul 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

PB146107#02

Tgt Ion: 84 Resp: 10839

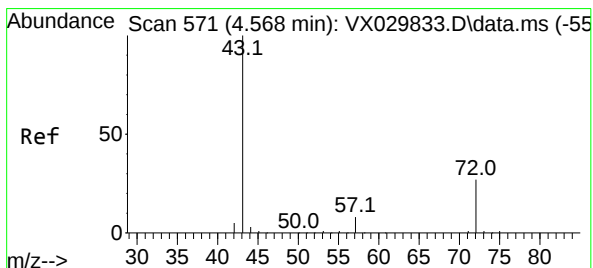
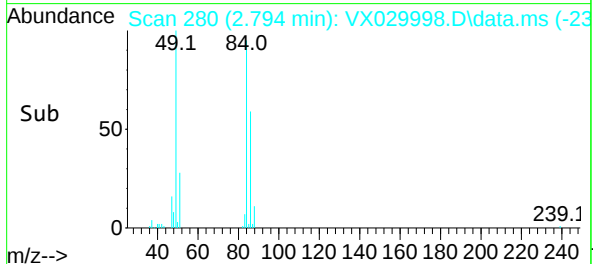
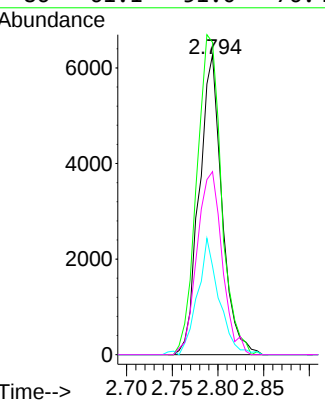
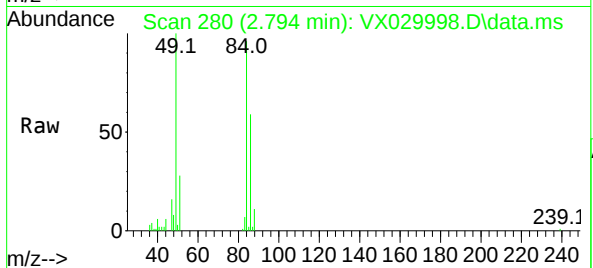
Ion Ratio Lower Upper

84 100

49 104.2 93.8 140.6

51 29.5 29.4 44.0

86 61.1 51.0 76.4



#25

2-Butanone

Concen: 2.740 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.000 min

Lab File: VX029998.D

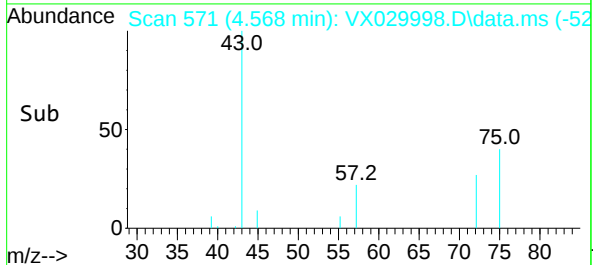
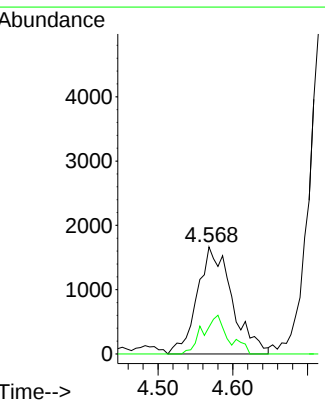
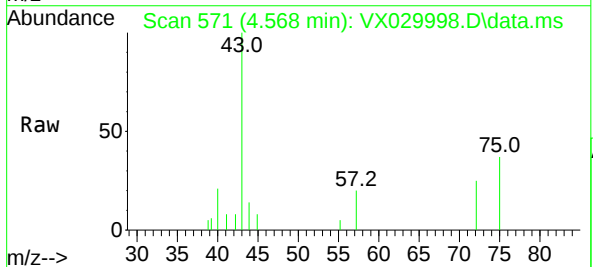
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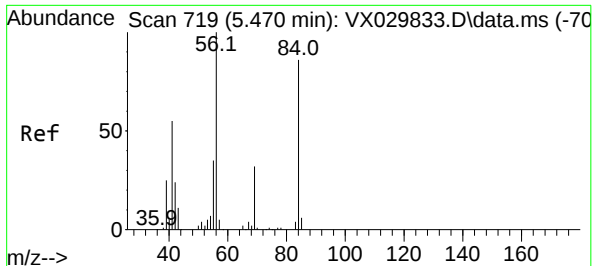
Tgt Ion: 43 Resp: 5387

Ion Ratio Lower Upper

43 100

72 25.2 21.7 32.5

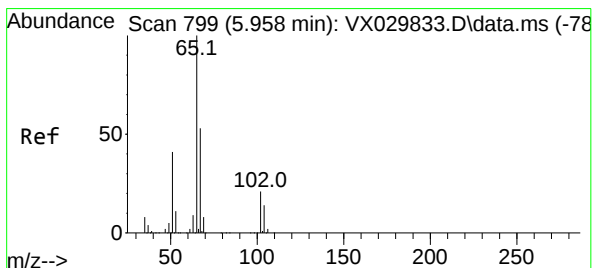
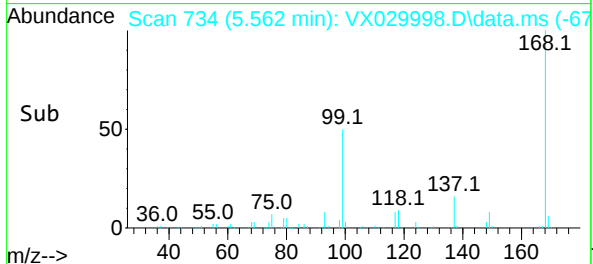
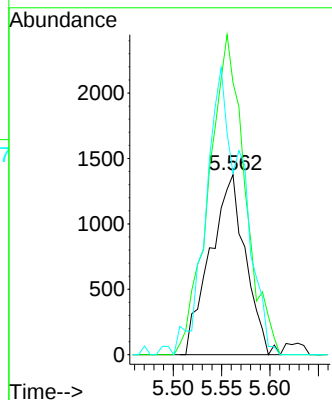
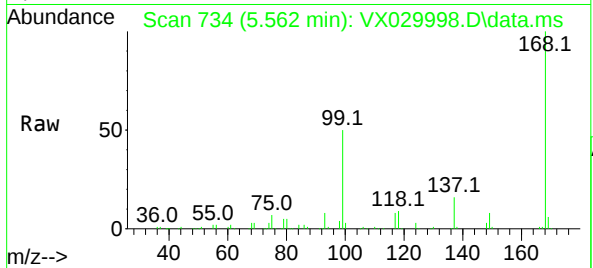




#31
Cyclohexane
Concen: 1.080 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

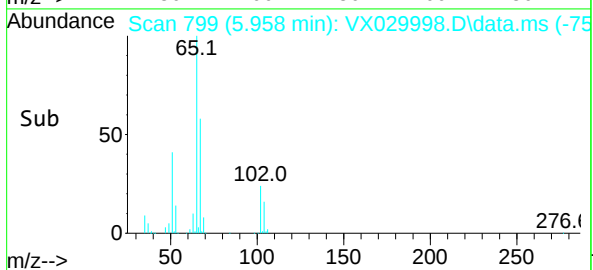
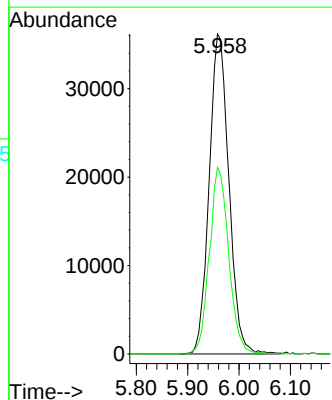
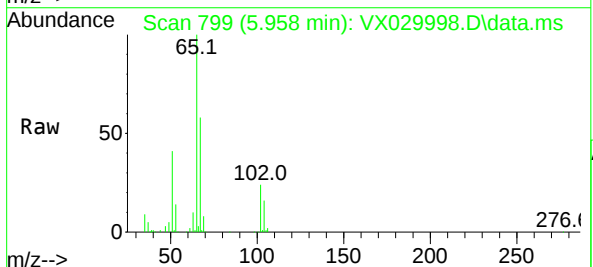
Instrument :
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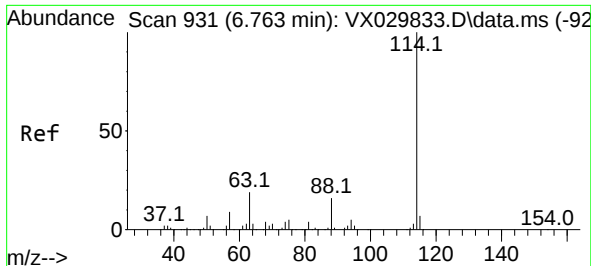
Tgt Ion: 56 Resp: 3485
Ion Ratio Lower Upper
56 100
69 151.1 25.4 38.0#
84 100.9 68.9 103.3



#33
1,2-Dichloroethane-d4
Concen: 41.601 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

Tgt Ion: 65 Resp: 96319
Ion Ratio Lower Upper
65 100
67 57.3 0.0 109.6

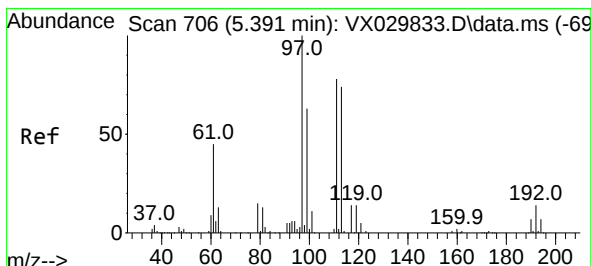
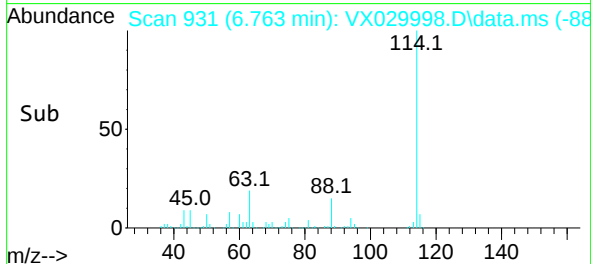
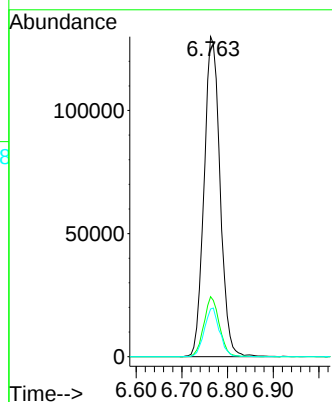
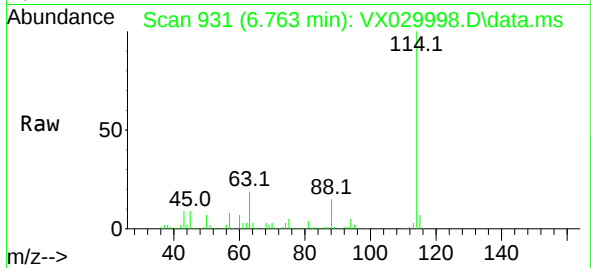




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

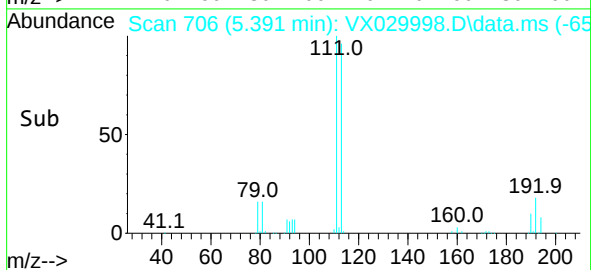
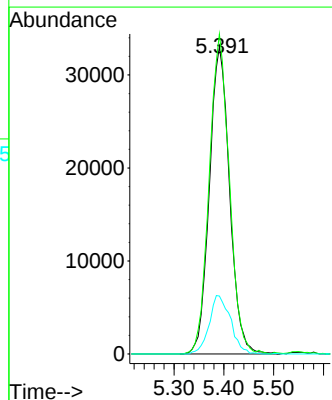
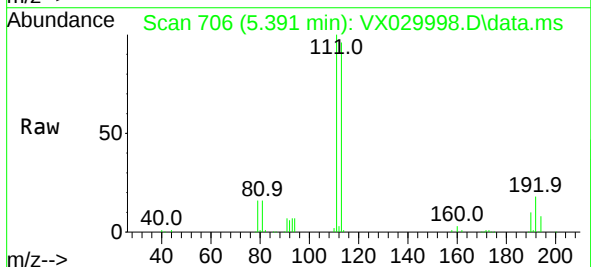
Instrument :
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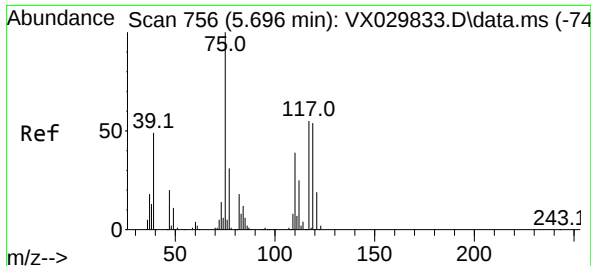
Tgt Ion:114 Resp: 315710
Ion Ratio Lower Upper
114 100
63 18.8 0.0 38.4
88 14.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.077 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

Tgt Ion:113 Resp: 92883
Ion Ratio Lower Upper
113 100
111 103.5 83.2 124.8
192 20.2 14.8 22.2

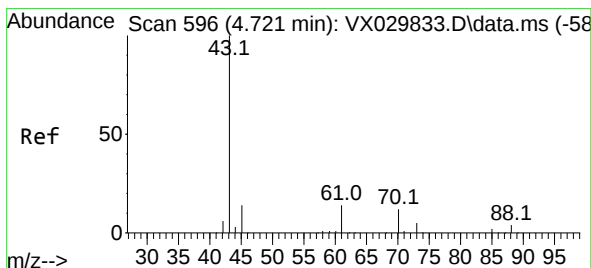
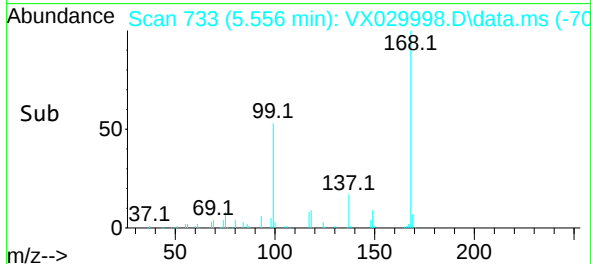
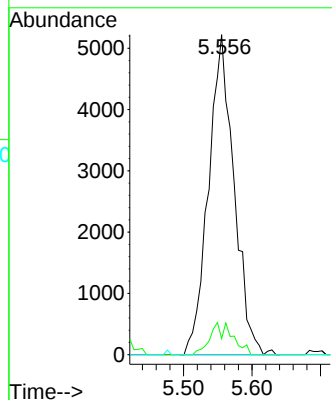
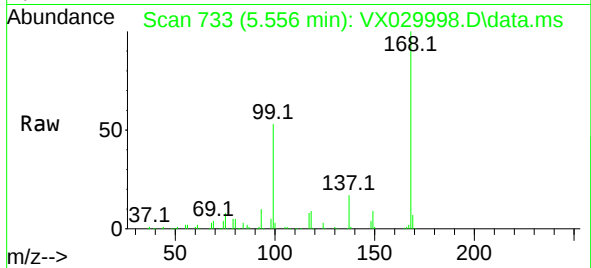




#36
1,1-Dichloropropene
Concen: 5.132 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

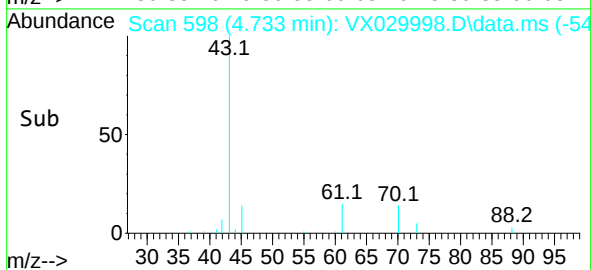
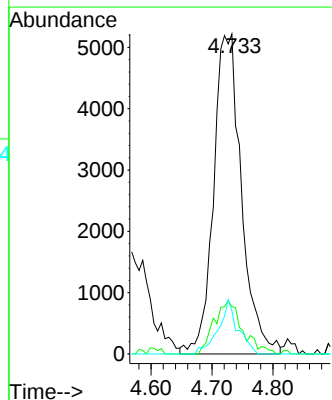
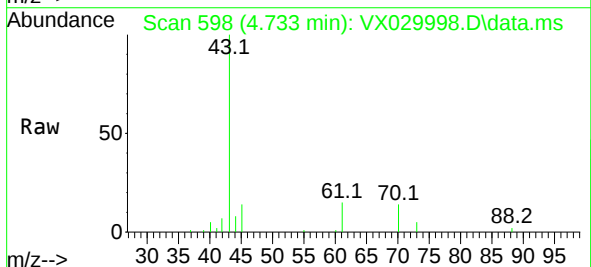
Instrument :
MSVOA_X
ClientSampleId :
PB146107#02

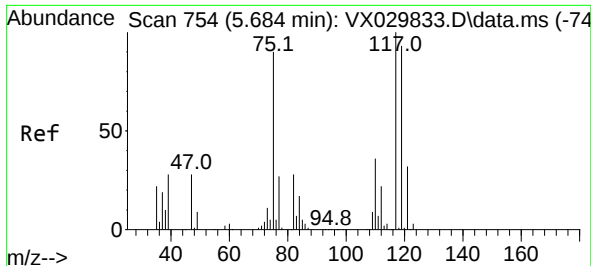
Tgt Ion: 75 Resp: 13468
Ion Ratio Lower Upper
75 100
110 4.7 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 4.619 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.012 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

Tgt Ion: 43 Resp: 16576
Ion Ratio Lower Upper
43 100
61 17.0 11.7 17.5
70 11.8 9.3 13.9

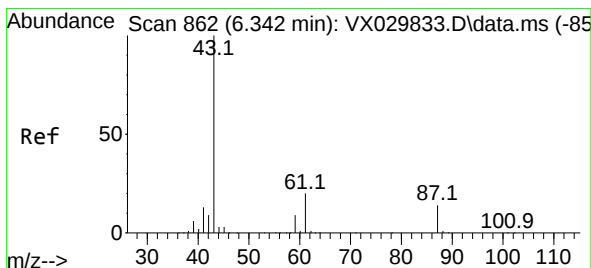
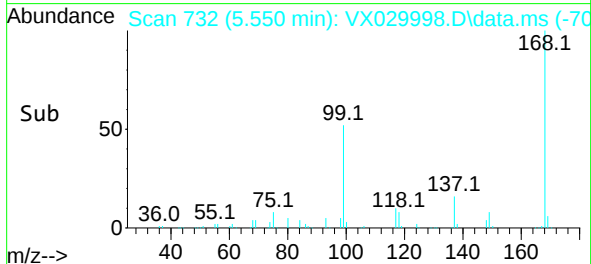
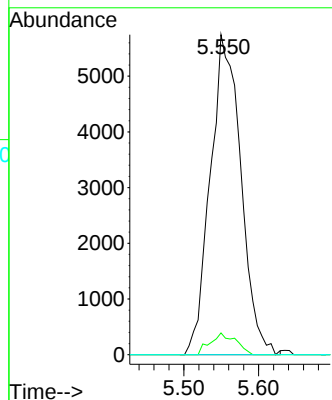
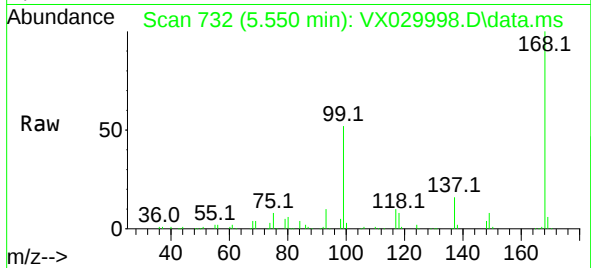




#38
Carbon Tetrachloride
Concen: 7.183 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

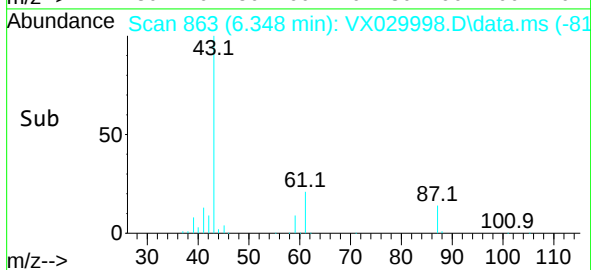
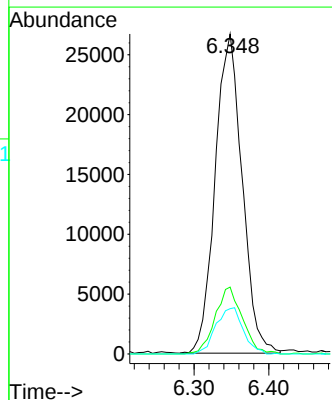
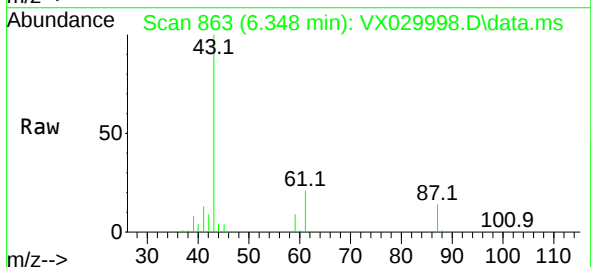
Instrument :
MSVOA_X
ClientSampleId :
PB146107#02

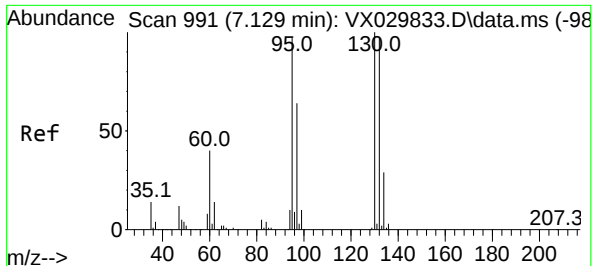
Tgt Ion:117 Resp: 16332
Ion Ratio Lower Upper
117 100
119 6.8 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 12.375 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

Tgt Ion: 43 Resp: 66878
Ion Ratio Lower Upper
43 100
61 21.1 16.5 24.7
87 14.7 11.1 16.7

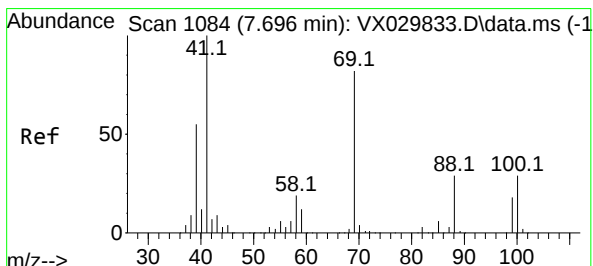
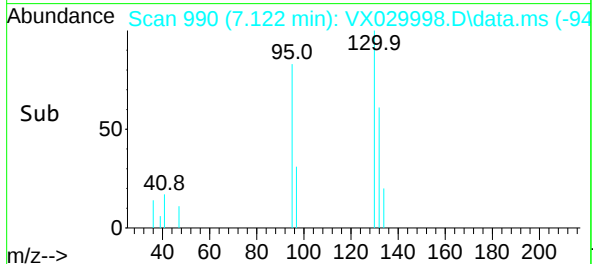
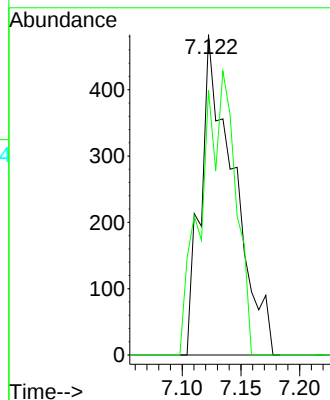
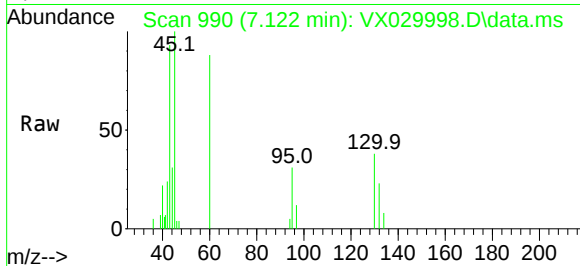




#44
Trichloroethene
Concen: 0.411 ug/l
RT: 7.122 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

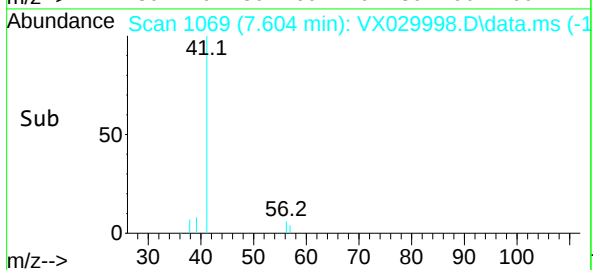
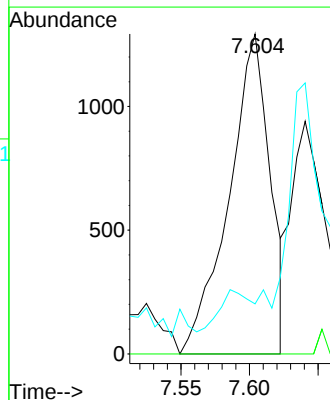
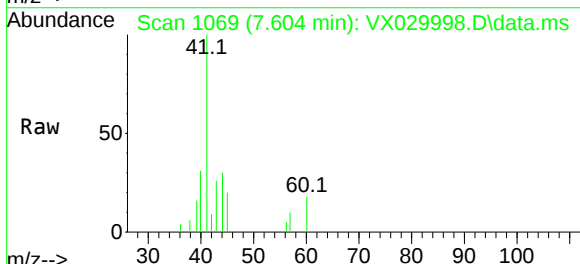
Instrument :
MSVOA_X
ClientSampleId :
PB146107#02

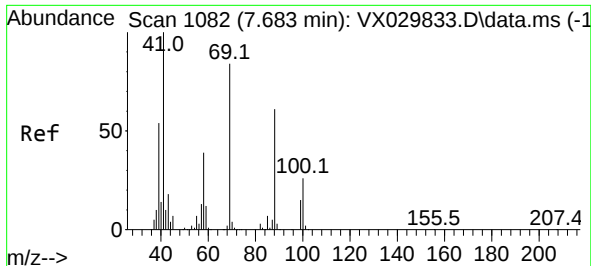
Tgt Ion:130 Resp: 940
Ion Ratio Lower Upper
130 100
95 82.6 0.0 194.8



#48
Methyl methacrylate
Concen: 1.052 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

Tgt Ion: 41 Resp: 2695
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: 1.318 ug/l

RT: 7.641 min Scan# 1082

Delta R.T. -0.043 min

Lab File: VX029998.D

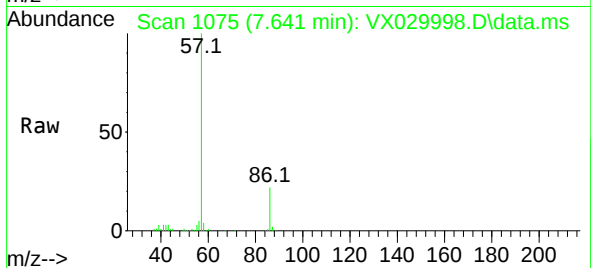
Acq: 11 Jul 2022 15:33

Instrument :

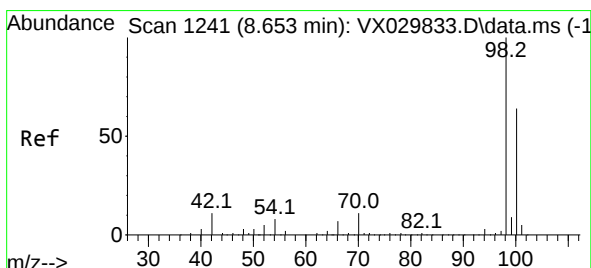
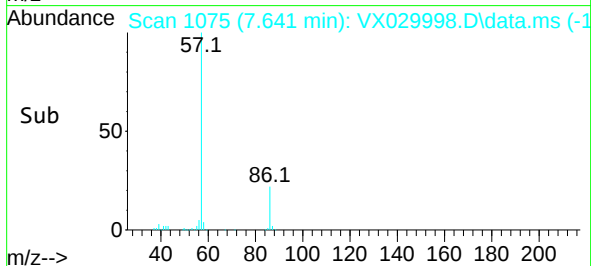
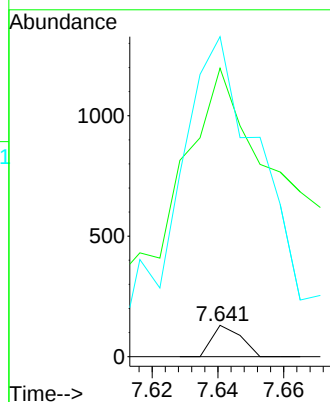
MSVOA_X

ClientSampleId :

PB146107#02



Tgt Ion:	88	Resp:	80
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	3293.8	53.8	80.6#



#50

Toluene-d8

Concen: 47.805 ug/l

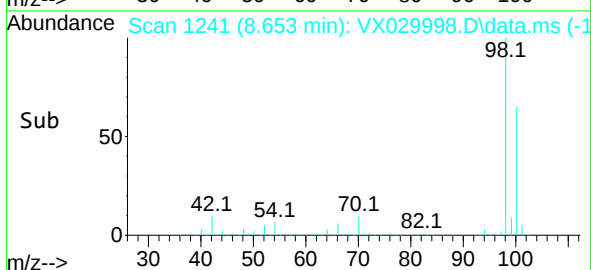
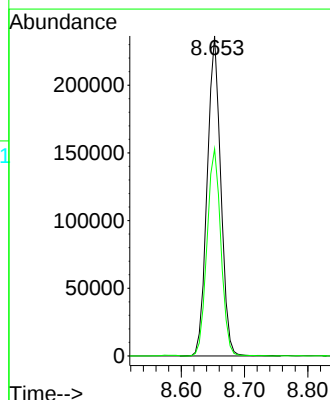
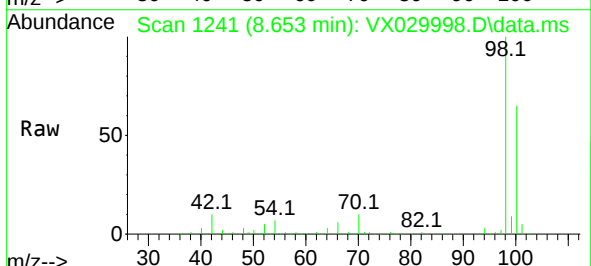
RT: 8.653 min Scan# 1241

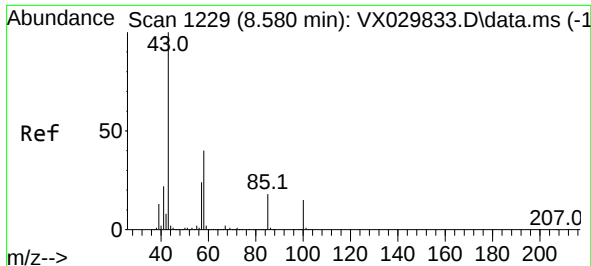
Delta R.T. -0.000 min

Lab File: VX029998.D

Acq: 11 Jul 2022 15:33

Tgt Ion:	98	Resp:	353842
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.3	78.5

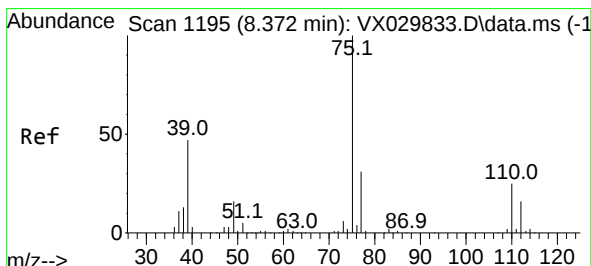
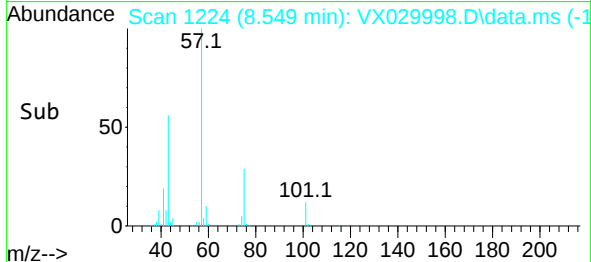
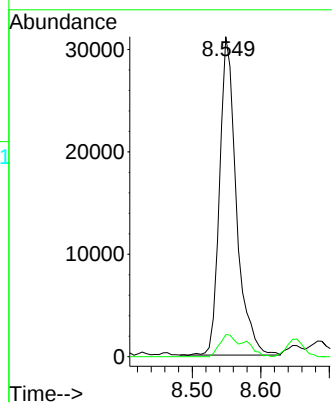
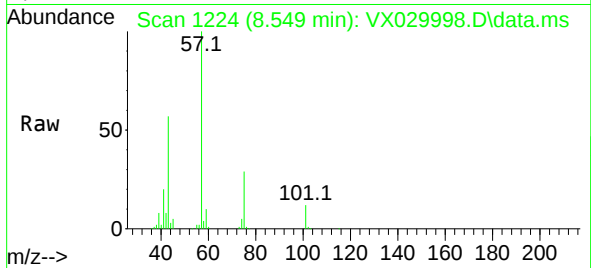




#51
4-Methyl-2-Pentanone
Concen: 14.811 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

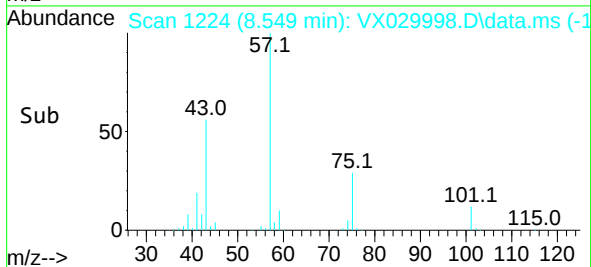
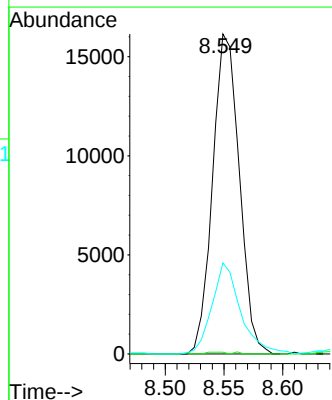
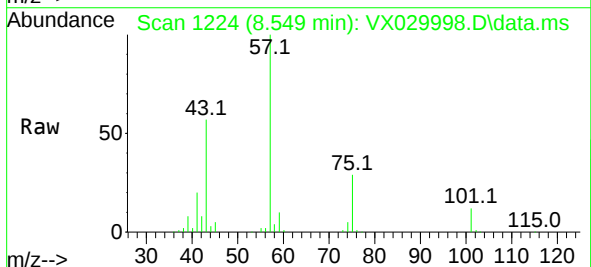
Instrument :
MSVOA_X
ClientSampleId :
PB146107#02

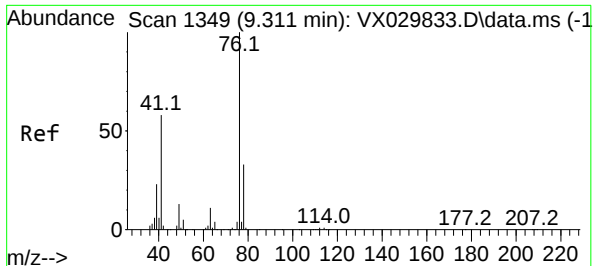
Tgt Ion: 43 Resp: 52784
Ion Ratio Lower Upper
43 100
58 10.4 31.4 47.2#



#54
cis-1,3-Dichloropropene
Concen: 8.062 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

Tgt Ion: 75 Resp: 25518
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 28.4 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 1.079 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX029998.D

Acq: 11 Jul 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

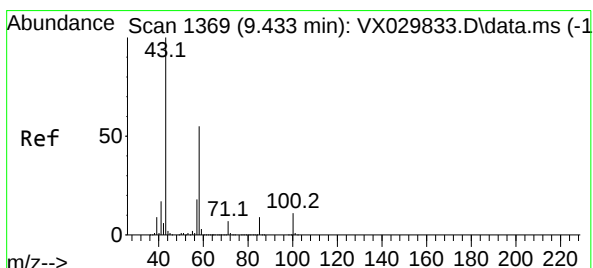
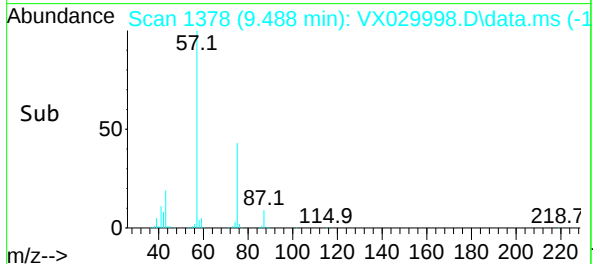
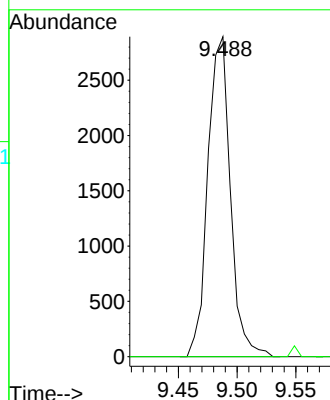
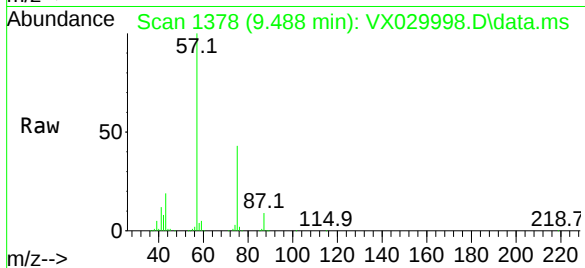
PB146107#02

Tgt Ion: 76 Resp: 3872

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 17.511 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX029998.D

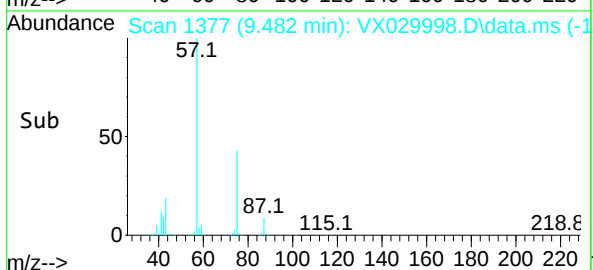
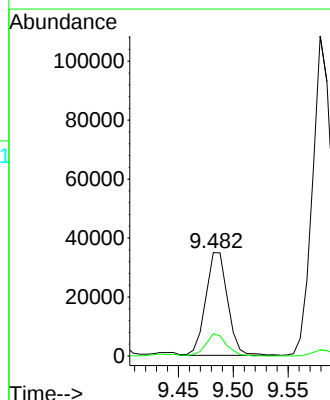
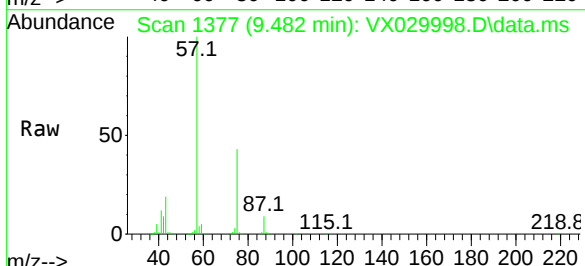
Acq: 11 Jul 2022 15:33

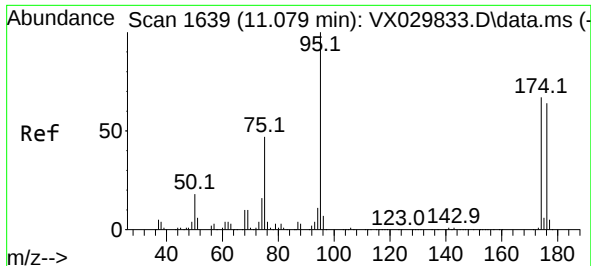
Tgt Ion: 43 Resp: 48429

Ion Ratio Lower Upper

43 100

58 20.4 27.6 82.8#





#62

4-Bromofluorobenzene

Concen: 44.581 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX029998.D

Acq: 11 Jul 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

PB146107#02

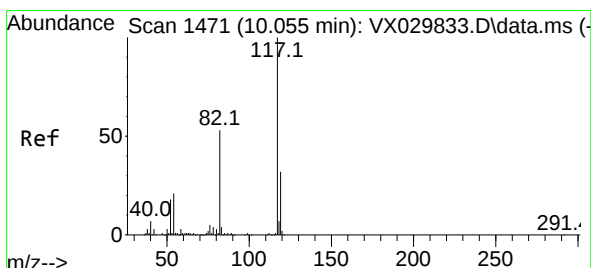
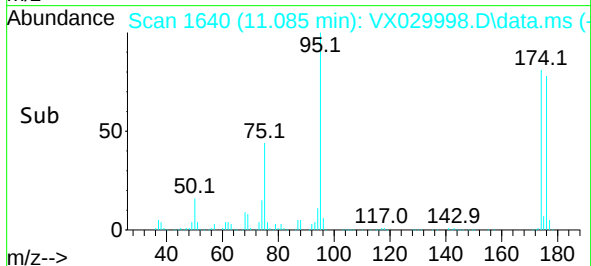
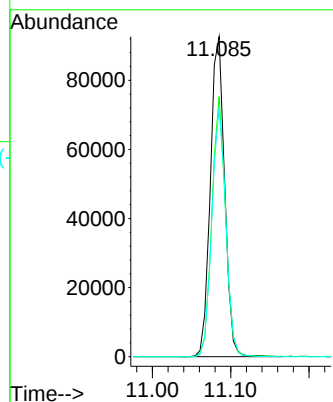
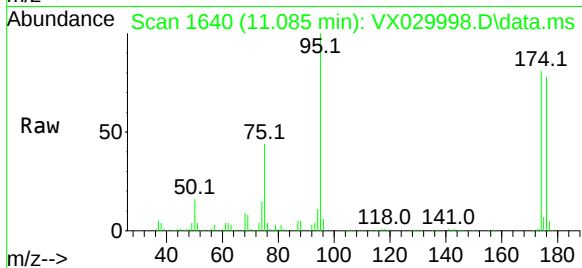
Tgt Ion: 95 Resp: 116641

Ion Ratio Lower Upper

95 100

174 77.9 0.0 149.0

176 76.1 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: VX029998.D

Acq: 11 Jul 2022 15:33

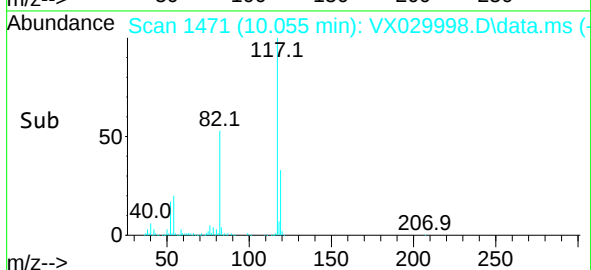
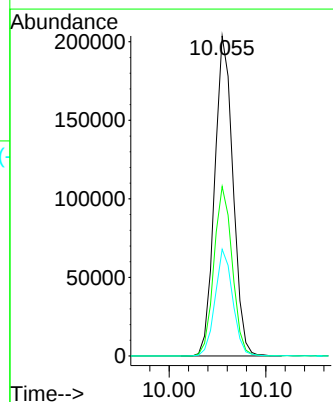
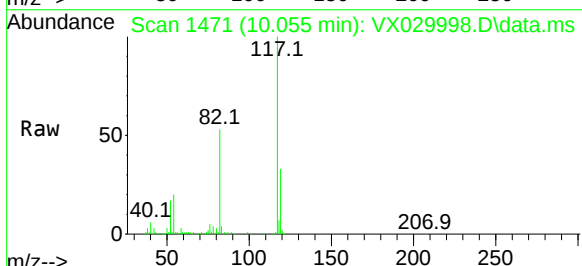
Tgt Ion: 117 Resp: 268242

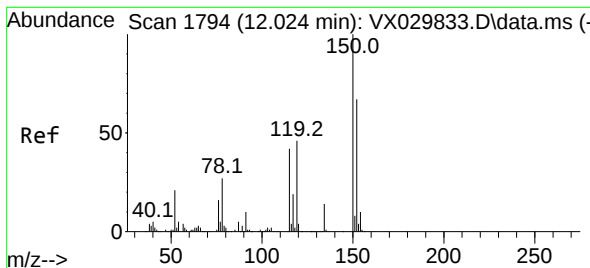
Ion Ratio Lower Upper

117 100

82 53.0 42.7 64.1

119 33.3 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: VX029998.D

Acq: 11 Jul 2022 15:33

Instrument :

MSVOA_X

ClientSampleId :

PB146107#02

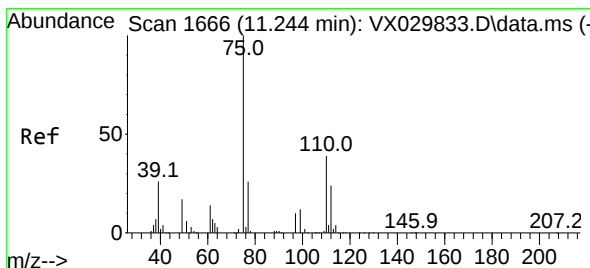
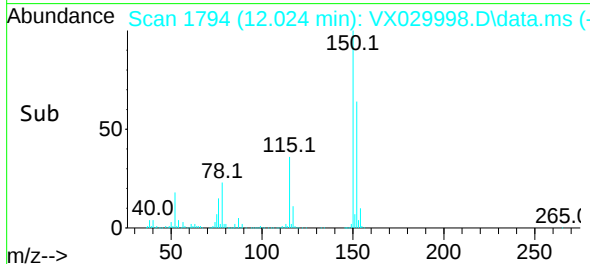
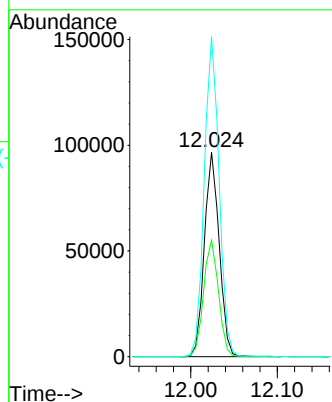
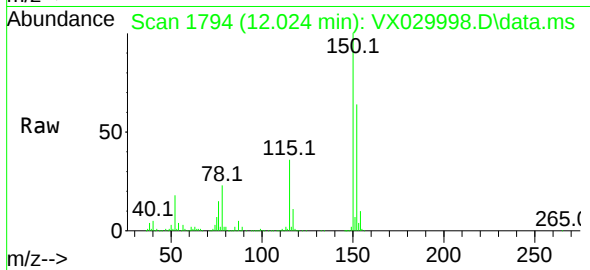
Tgt Ion:152 Resp: 115037

Ion Ratio Lower Upper

152 100

115 57.3 40.5 121.5

150 156.8 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 19.149 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX029998.D

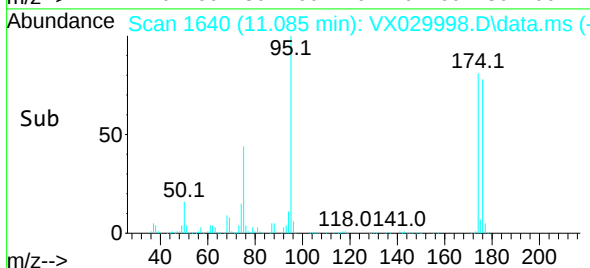
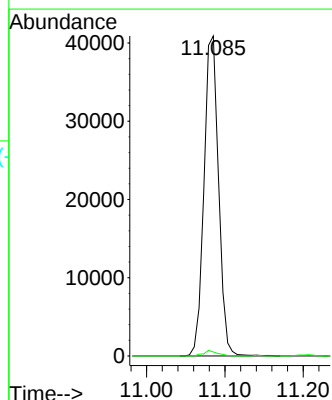
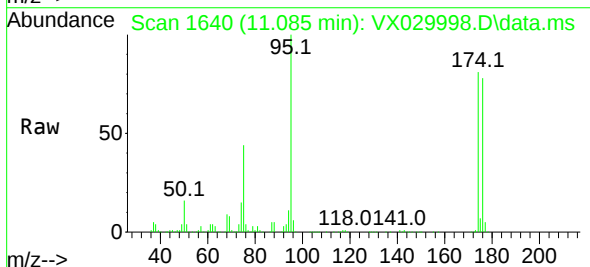
Acq: 11 Jul 2022 15:33

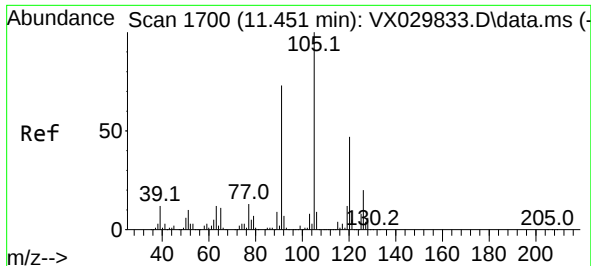
Tgt Ion: 75 Resp: 52733

Ion Ratio Lower Upper

75 100

77 1.6 19.8 59.3#

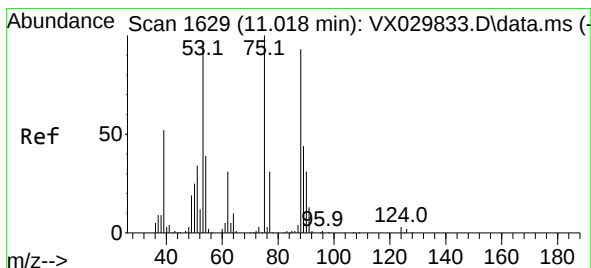
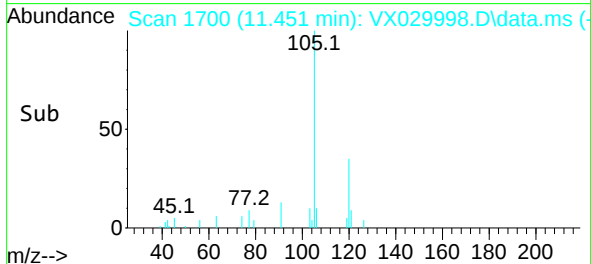
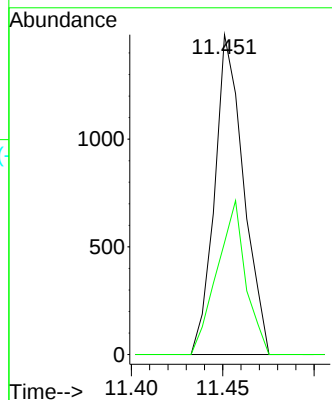
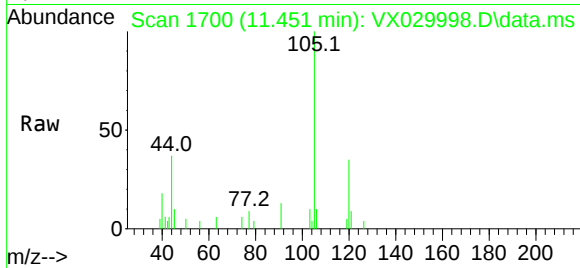




#80
1,3,5-Trimethylbenzene
Concen: 0.237 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

Instrument :
MSVOA_X
ClientSampleId :
PB146107#02

Tgt Ion:105 Resp: 1636
Ion Ratio Lower Upper
105 100
120 47.6 24.4 73.2



#81
trans-1,4-Dichloro-2-butene
Concen: 60.813 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX029998.D
Acq: 11 Jul 2022 15:33

Tgt Ion: 75 Resp: 52733
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.8 52.2#

