

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033630.D
 Acq On : 06 Jan 2023 15:01
 Operator : JC/MD
 Sample : PB050057ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#07

Quant Time: Jan 07 04:25:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 05 04:43:25 2023
 Response via : Initial Calibration

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

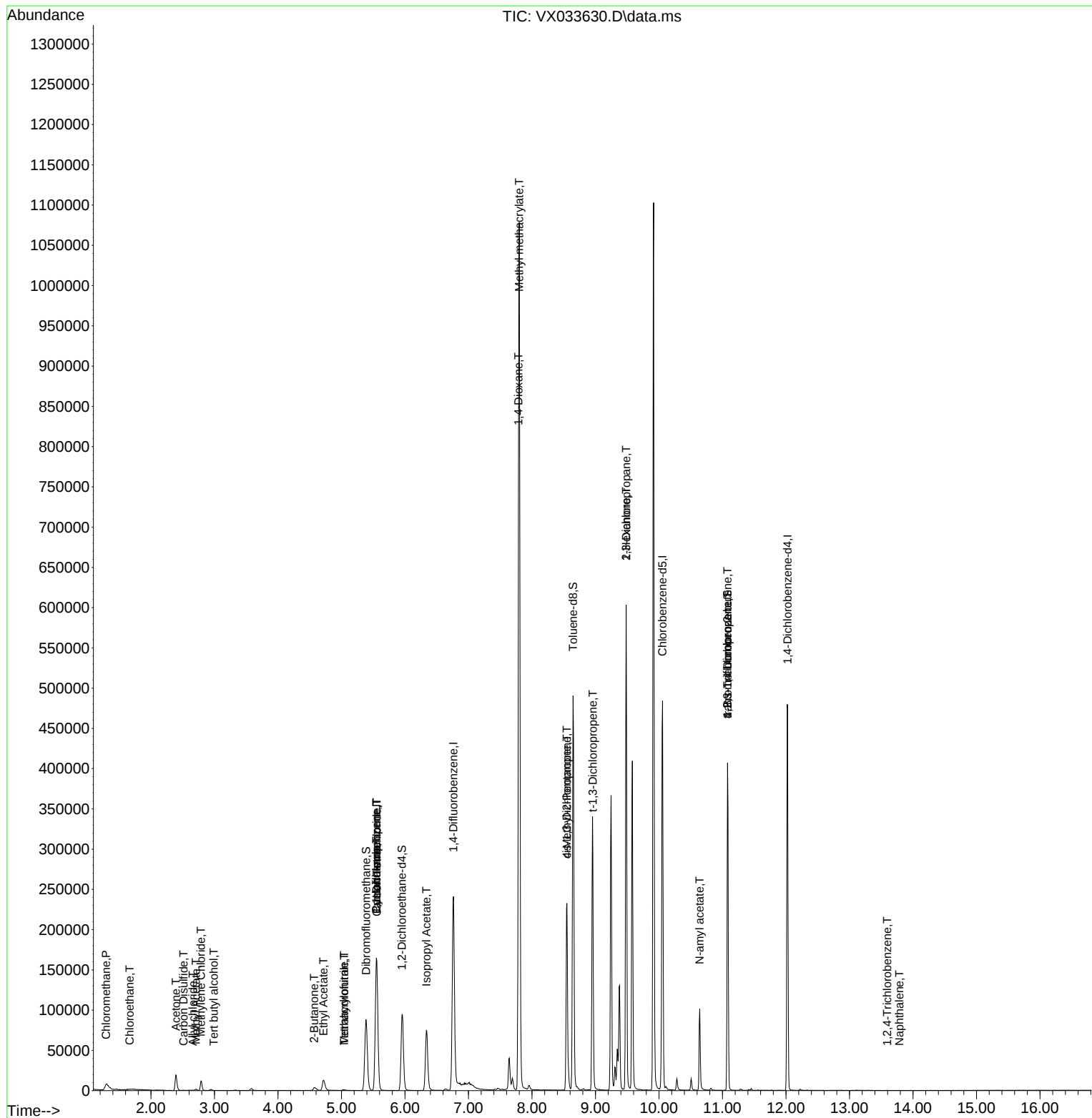
Internal Standards						
1) Pentafluorobenzene	5.550	168	169249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	245165	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94340	49.377	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.760%
35) Dibromofluoromethane	5.385	113	76557	47.508	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.020%
50) Toluene-d8	8.647	98	286321	49.711	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.420%
62) 4-Bromofluorobenzene	11.079	95	102347	50.131	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.260%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	490	0.285	ug/l #	42
6) Chloroethane	1.666	64	206	0.235	ug/l #	43
11) Tert butyl alcohol	2.989	59	95	0.303	ug/l #	80
14) Allyl chloride	2.660	41	572	0.217	ug/l #	25
16) Acetone	2.392	43	26202	28.590	ug/l	98
17) Carbon Disulfide	2.514	76	239	1.686	ug/l #	74
18) Methyl Acetate	2.709	43	2081	0.786	ug/l	100
20) Methylene Chloride	2.788	84	5397	1.203	ug/l	92
25) 2-Butanone	4.568	43	7267	5.825	ug/l	94
29) Tetrahydrofuran	5.044	42	1027	1.298	ug/l #	74
31) Cyclohexane	5.550	56	3085	1.160	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11310	5.181	ug/l #	51
37) Ethyl Acetate	4.715	43	23913	8.107	ug/l	99
38) Carbon Tetrachloride	5.556	117	16070	6.957	ug/l #	14
41) Methacrylonitrile	5.044	41	578	0.436	ug/l #	29
43) Isopropyl Acetate	6.336	43	105931	28.384	ug/l	99
48) Methyl methacrylate	7.799	41	94959	50.267	ug/l #	44
49) 1,4-Dioxane	7.787	88	129	3.210	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	86978	36.822	ug/l #	46
53) t-1,3-Dichloropropene	8.958	75	661	0.388	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37586	15.233	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	4996	1.777	ug/l #	42
59) 2-Hexanone	9.482	43	72305	41.437	ug/l #	51
74) N-amyl acetate	10.640	43	28112	9.124	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	50059	25.379	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	50059	77.028	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	35	1.608	ug/l #	12
95) Naphthalene	13.786	128	178	3.140	ug/l #	69

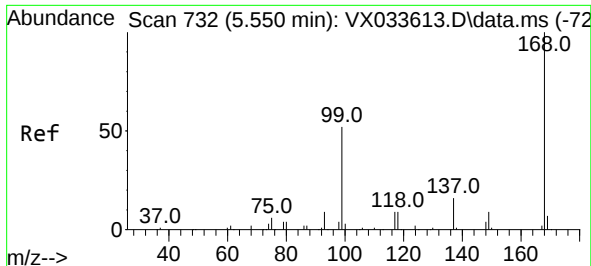
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
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Quant Title : SW846 8260
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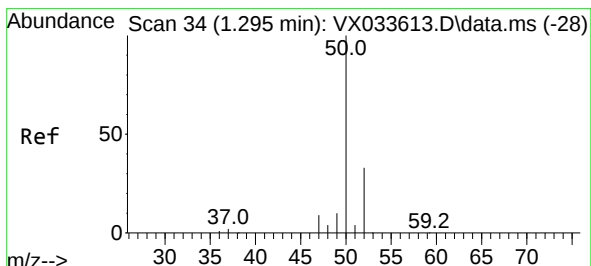
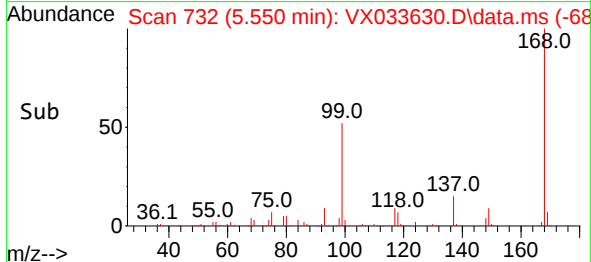
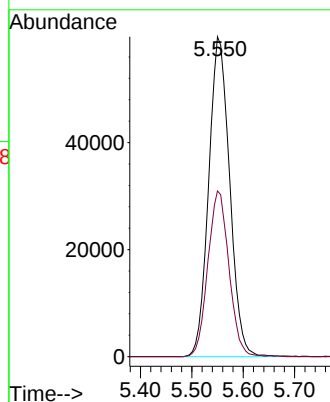
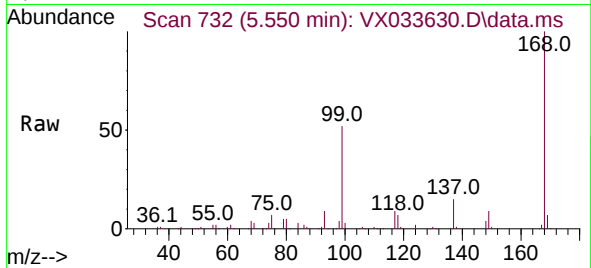




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

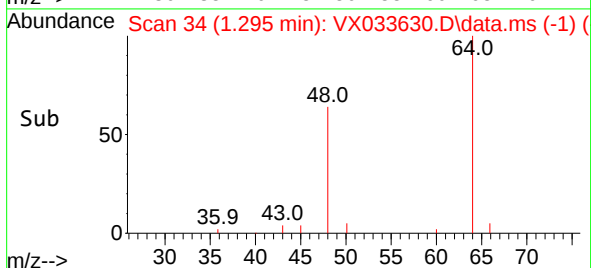
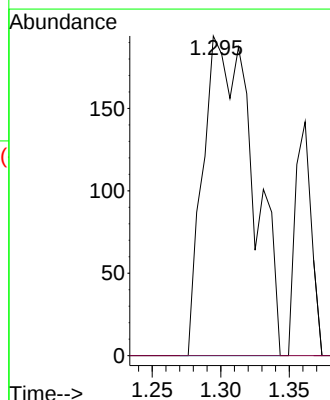
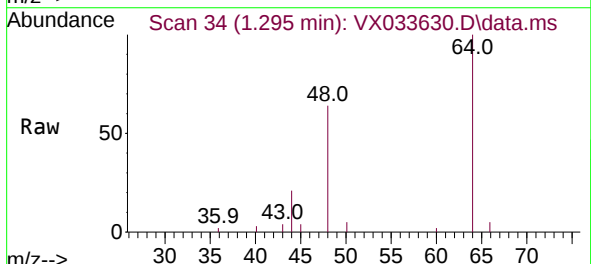
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#07

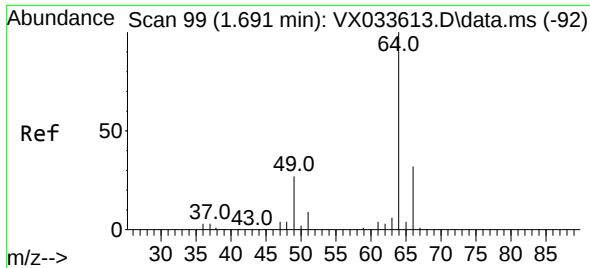
Tgt Ion:168 Resp: 169249
Ion Ratio Lower Upper
168 100
99 51.8 41.4 62.2



#3
Chloromethane
Concen: 0.285 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

Tgt Ion: 50 Resp: 490
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

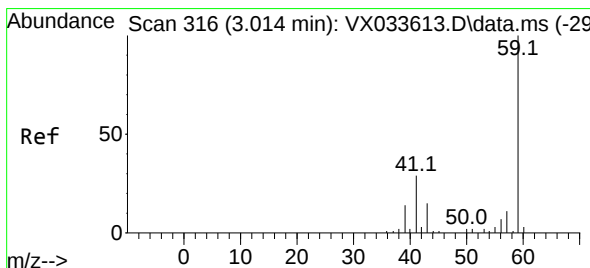
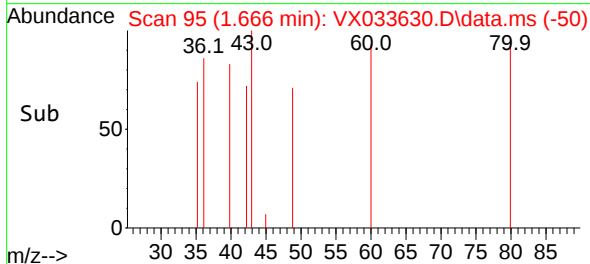
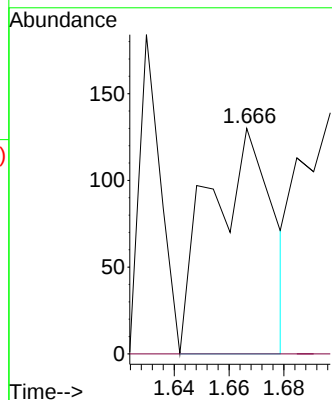
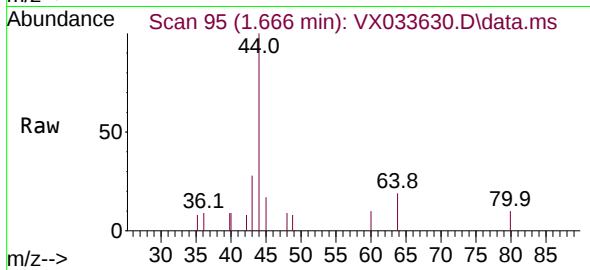




#6
Chloroethane
Concen: 0.235 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

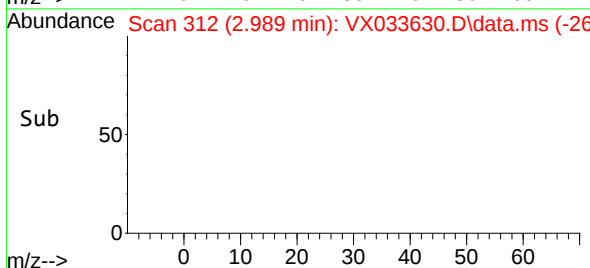
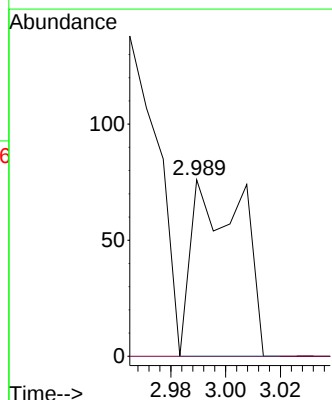
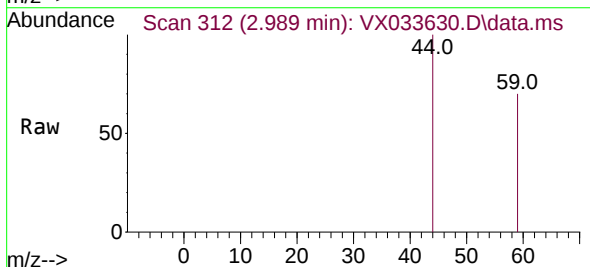
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#07

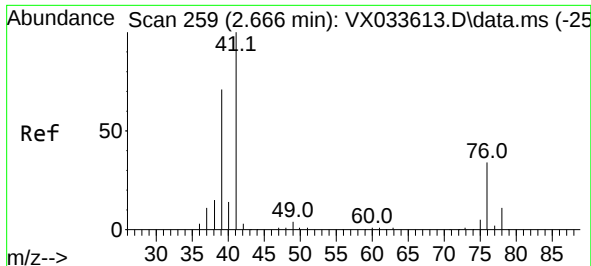
Tgt Ion: 64 Resp: 206
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



#11
Tert butyl alcohol
Concen: 0.303 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.024 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 5.5 8.3#

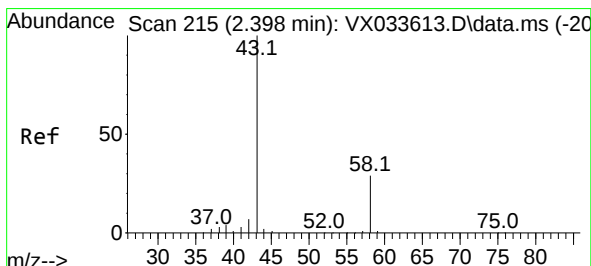
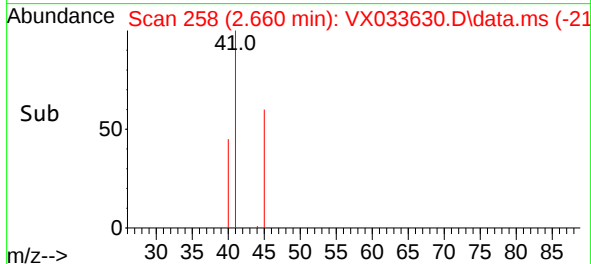
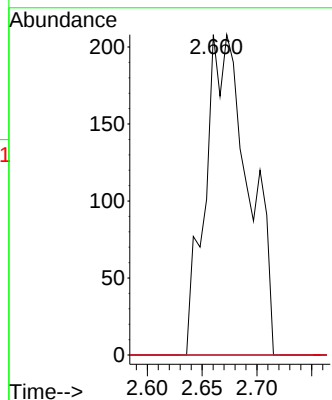
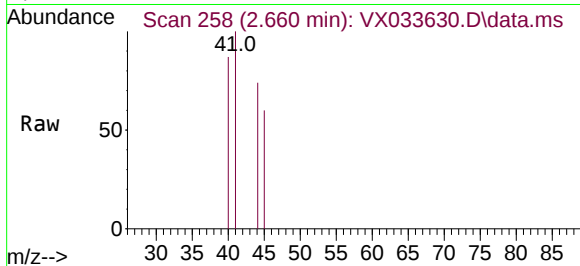




#14
 Allyl chloride
 Concen: 0.217 ug/l
 RT: 2.660 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: VX033630.D
 Acq: 06 Jan 2023 15:01

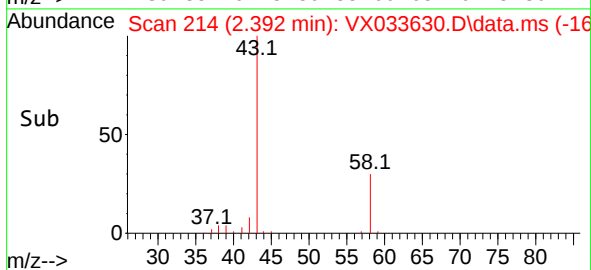
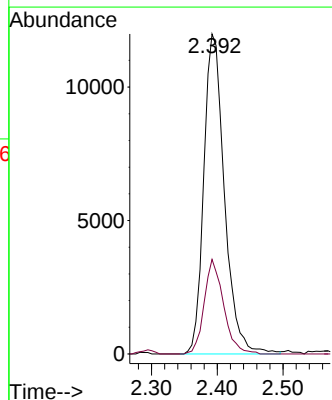
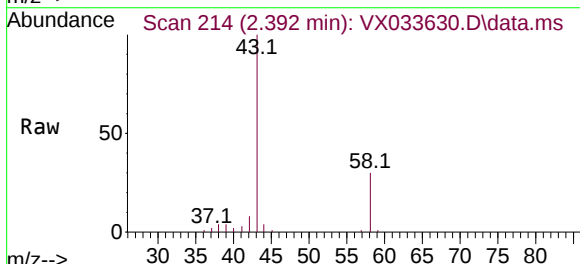
Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#07

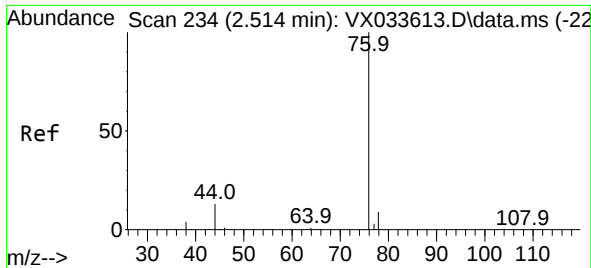
Tgt Ion: 41 Resp: 572
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.3 79.9#
 76 0.0 25.0 37.4#



#16
 Acetone
 Concen: 28.590 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: VX033630.D
 Acq: 06 Jan 2023 15:01

Tgt Ion: 43 Resp: 26202
 Ion Ratio Lower Upper
 43 100
 58 29.5 22.9 34.3

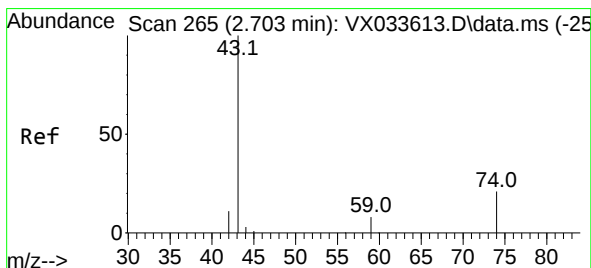
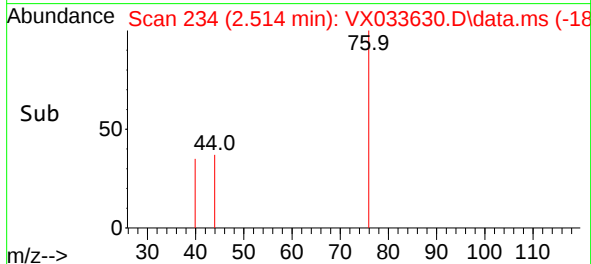
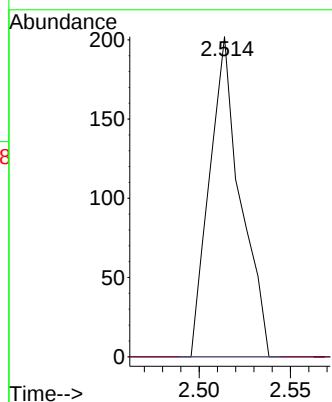
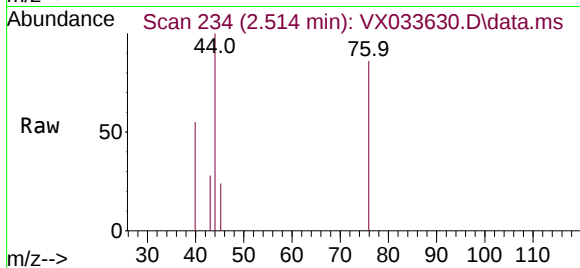




#17
Carbon Disulfide
Concen: 1.686 ug/l
RT: 2.514 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

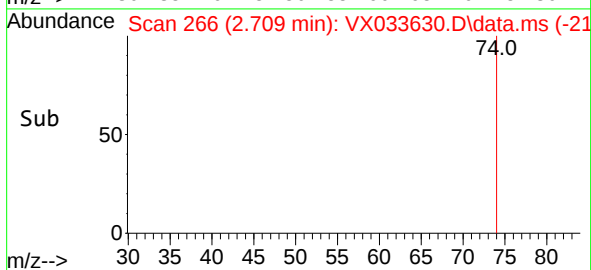
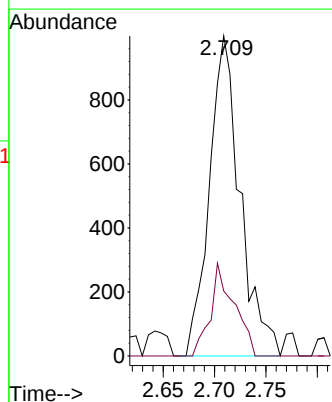
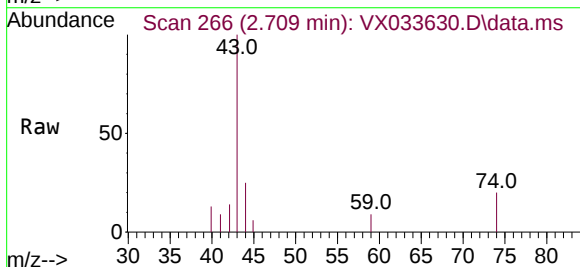
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#07

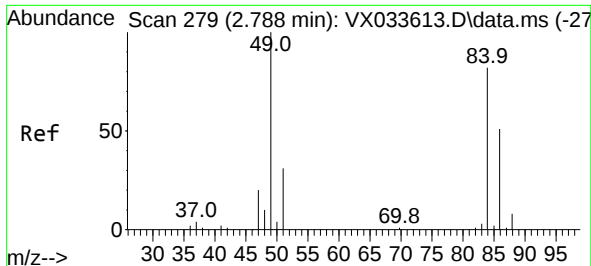
Tgt Ion: 76 Resp: 239
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 0.786 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

Tgt Ion: 43 Resp: 2081
Ion Ratio Lower Upper
43 100
74 22.3 17.9 26.9





#20

Methylene Chloride

Concen: 1.203 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#07

Tgt Ion: 84 Resp: 5397

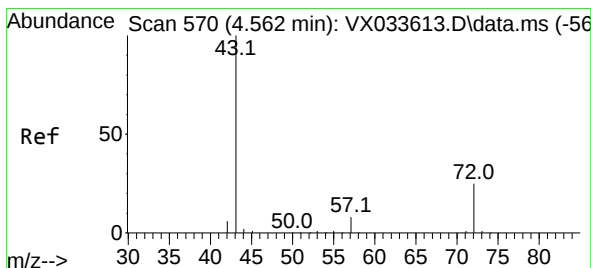
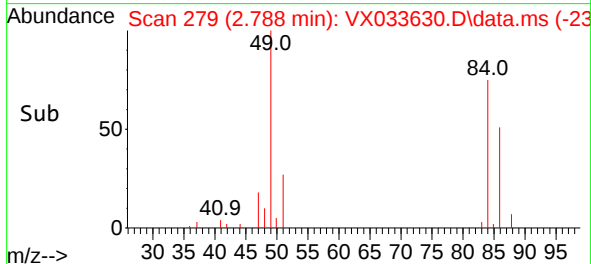
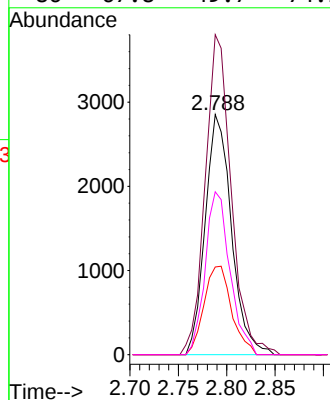
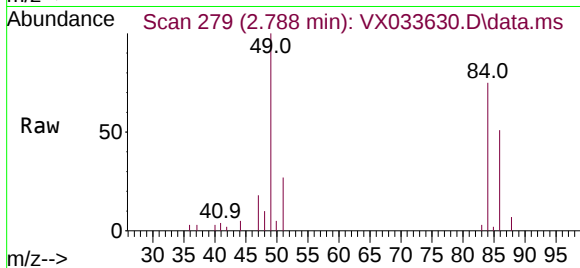
Ion Ratio Lower Upper

84 100

49 133.2 97.6 146.4

51 36.5 30.4 45.6

86 67.8 49.7 74.5



#25

2-Butanone

Concen: 5.825 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX033630.D

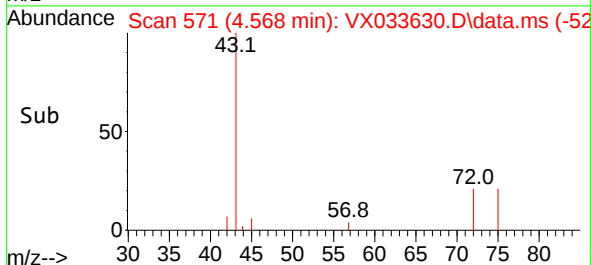
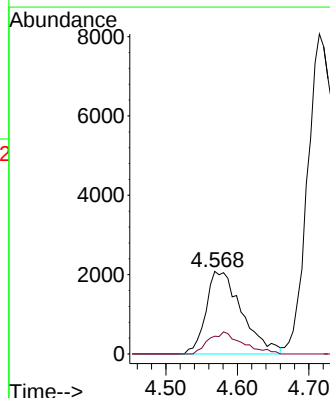
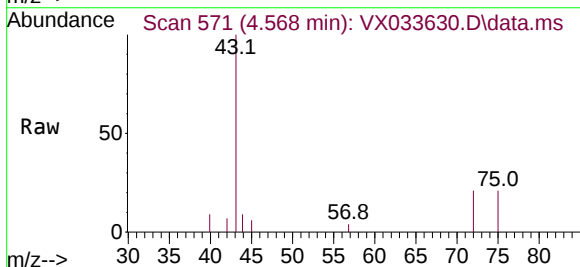
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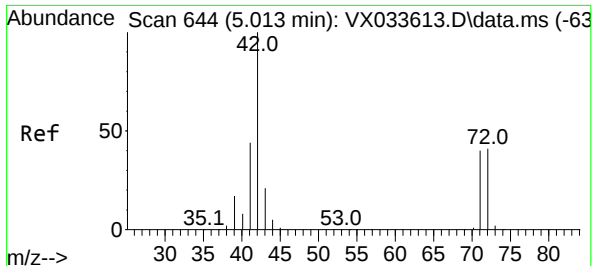
Tgt Ion: 43 Resp: 7267

Ion Ratio Lower Upper

43 100

72 21.5 19.8 29.6





#29

Tetrahydrofuran

Concen: 1.298 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.030 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#07

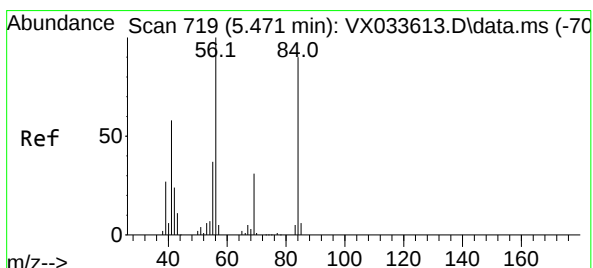
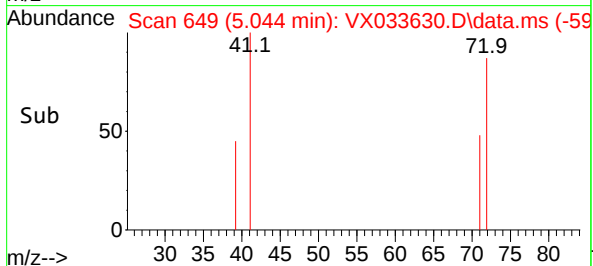
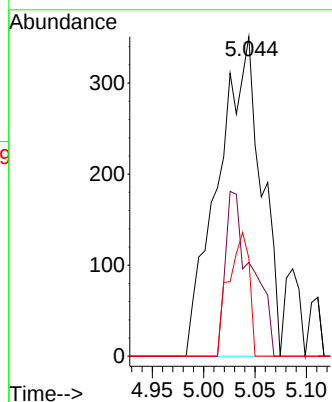
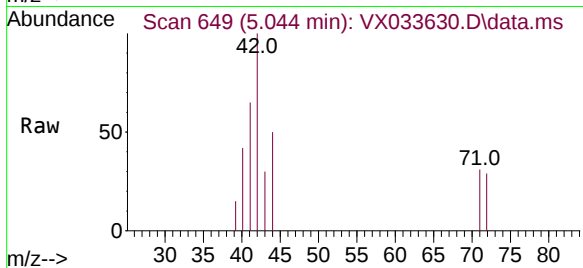
Tgt Ion: 42 Resp: 1027

Ion Ratio Lower Upper

42 100

72 31.3 34.2 51.4#

71 18.5 31.4 47.0#



#31

Cyclohexane

Concen: 1.160 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

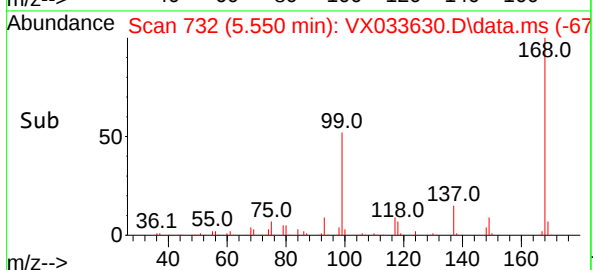
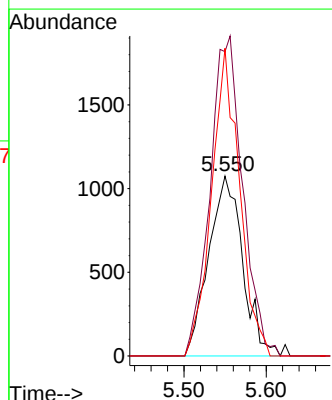
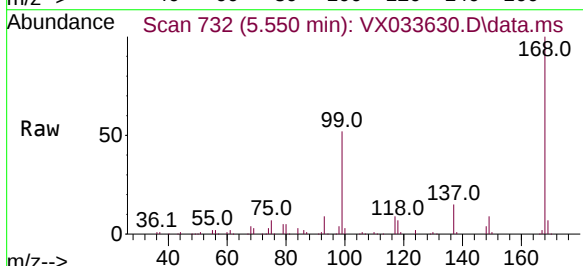
Tgt Ion: 56 Resp: 3085

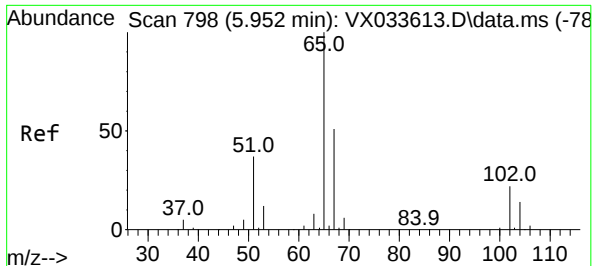
Ion Ratio Lower Upper

56 100

69 169.1 24.6 36.8#

84 171.0 72.2 108.2#





#33

1,2-Dichloroethane-d4

Concen: 49.377 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

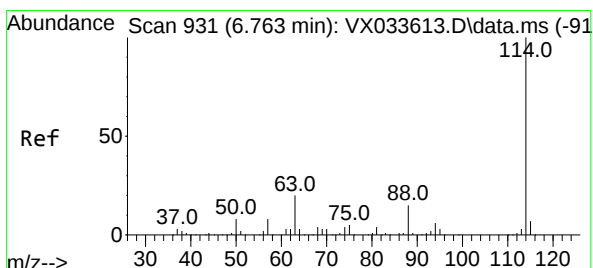
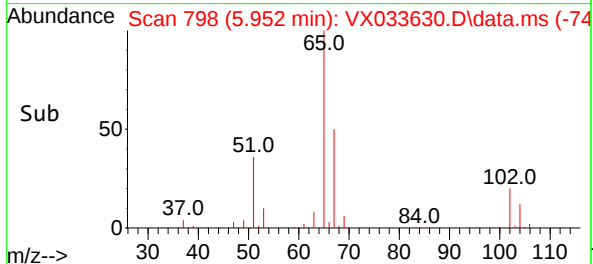
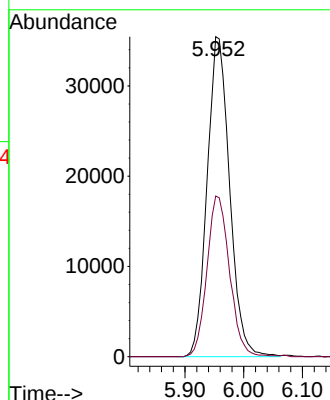
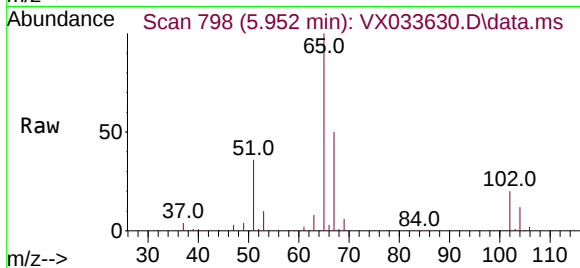
PB050057ZHE#07

Tgt Ion: 65 Resp: 94340

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

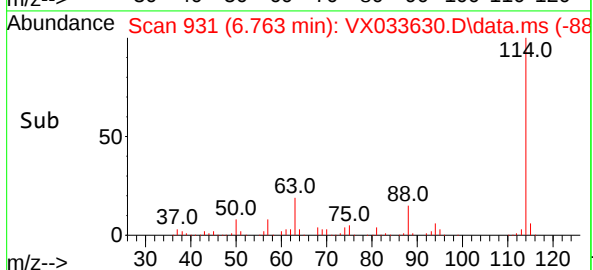
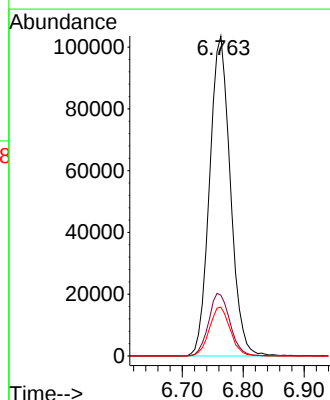
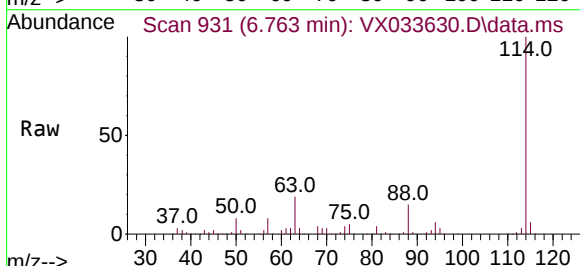
Tgt Ion: 114 Resp: 245165

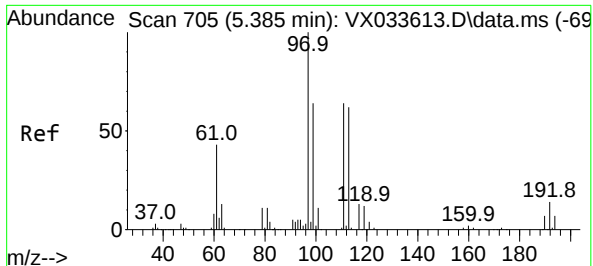
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

88 15.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 47.508 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#07

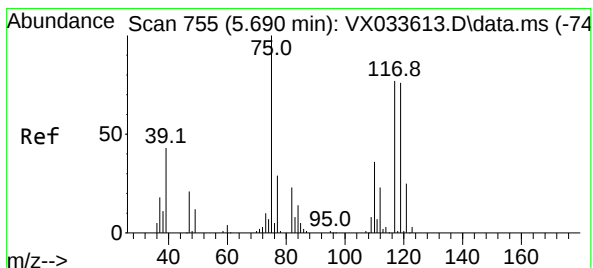
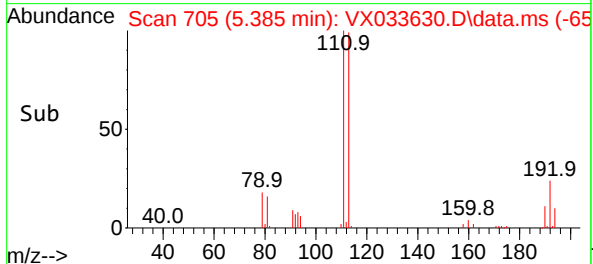
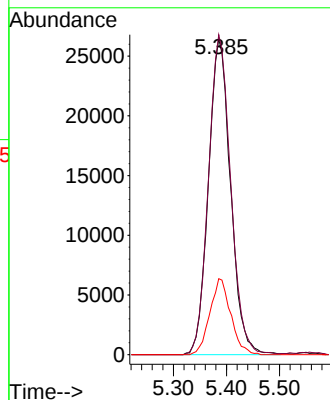
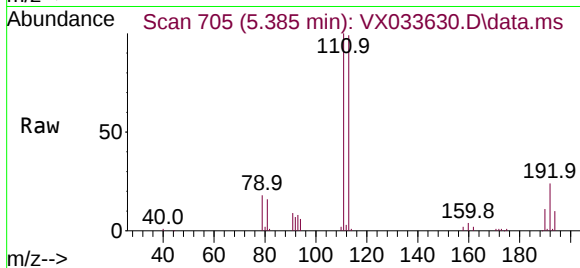
Tgt Ion:113 Resp: 76557

Ion Ratio Lower Upper

113 100

111 102.0 81.2 121.8

192 22.7 18.2 27.2



#36

1,1-Dichloropropene

Concen: 5.181 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

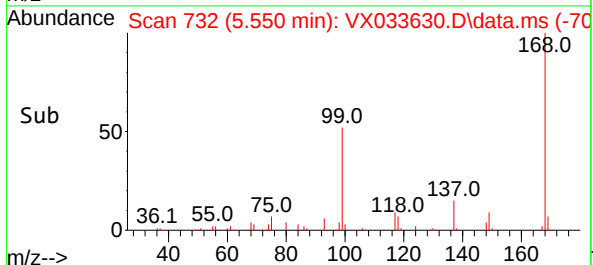
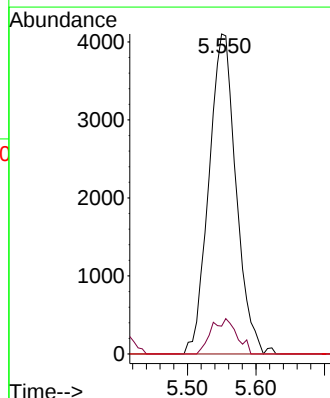
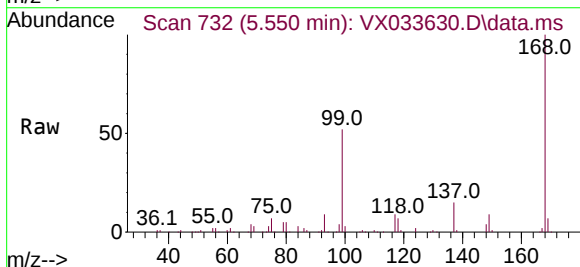
Tgt Ion: 75 Resp: 11310

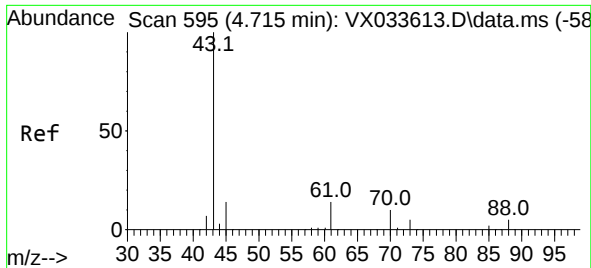
Ion Ratio Lower Upper

75 100

110 10.4 18.0 54.0#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 8.107 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#07

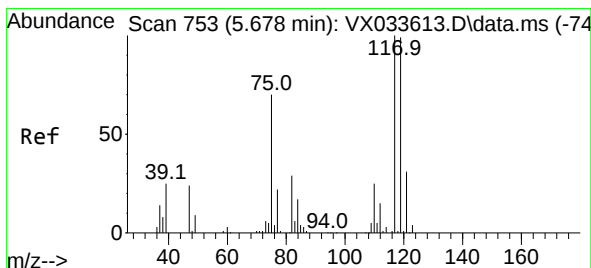
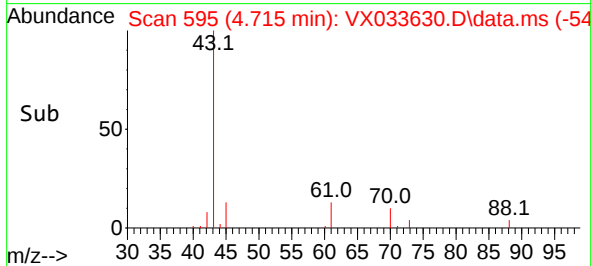
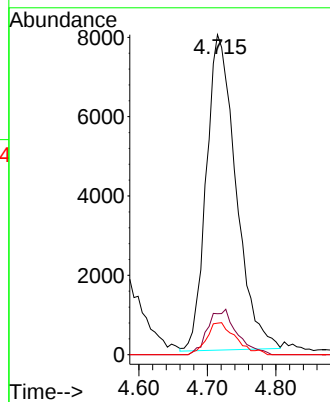
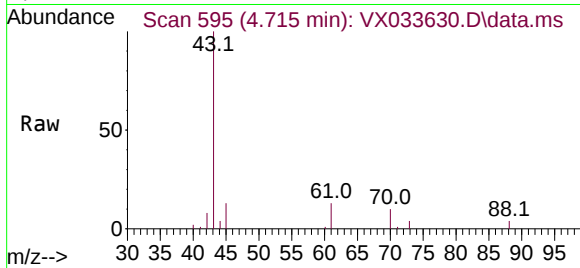
Tgt Ion: 43 Resp: 23913

Ion Ratio Lower Upper

43 100

61 14.1 10.6 16.0

70 10.0 8.1 12.1



#38

Carbon Tetrachloride

Concen: 6.957 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

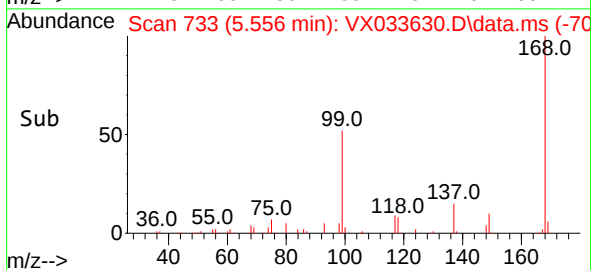
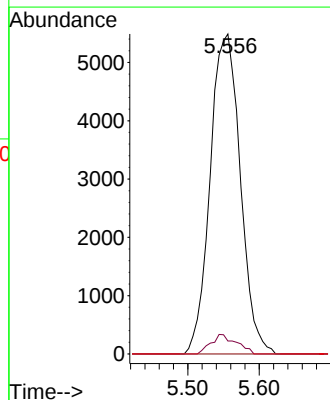
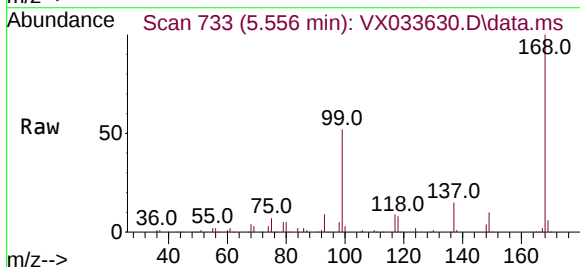
Tgt Ion: 117 Resp: 16070

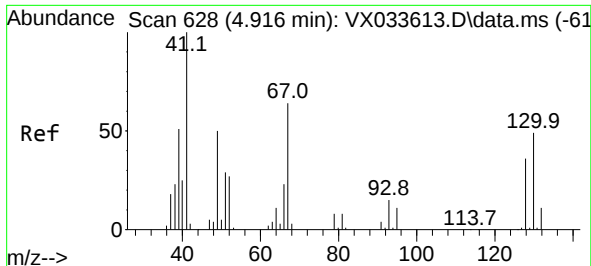
Ion Ratio Lower Upper

117 100

119 4.1 78.8 118.2#

121 0.0 24.9 37.3#

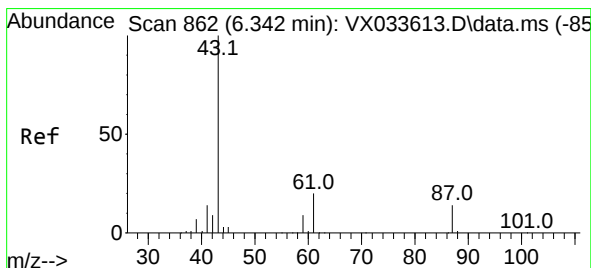
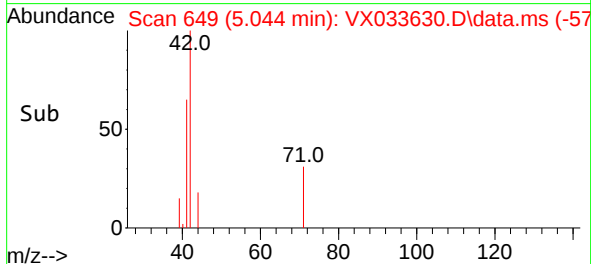
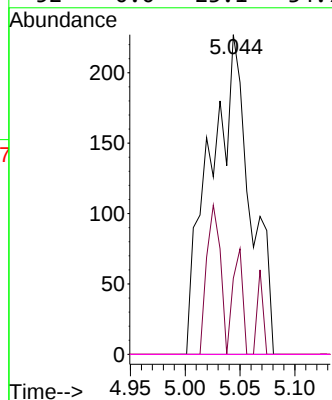
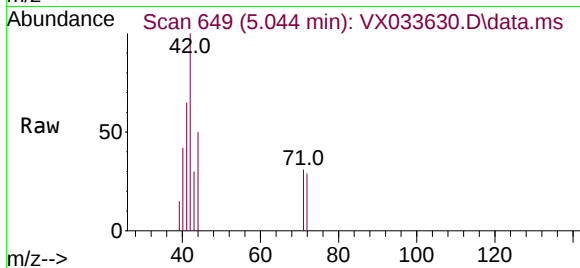




#41
Methacrylonitrile
Concen: 0.436 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.128 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

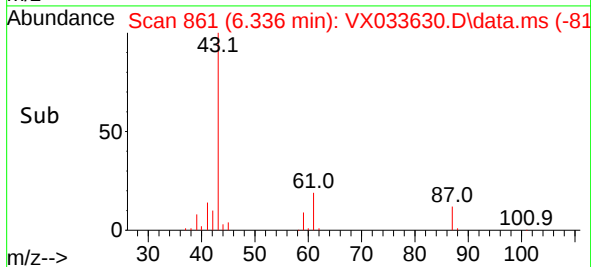
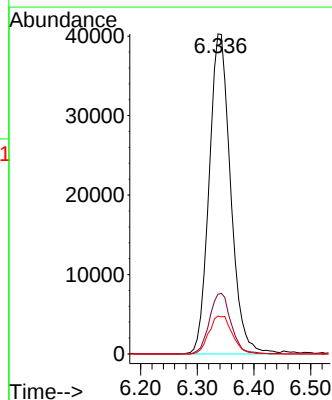
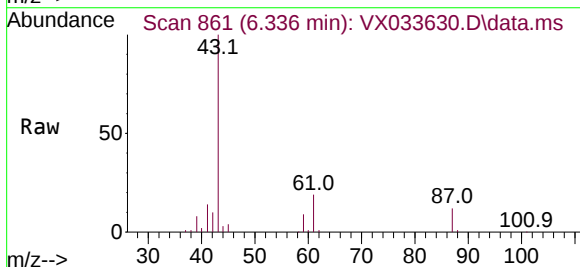
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#07

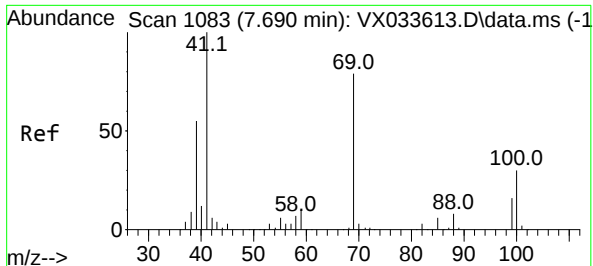
Tgt Ion: 41	Resp: 578
Ion Ratio	Lower Upper
41 100	
39 8.1	44.1 66.1#
67 0.0	53.8 80.6#
52 0.0	23.1 34.7#



#43
Isopropyl Acetate
Concen: 28.384 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

Tgt Ion: 43	Resp: 105931
Ion Ratio	Lower Upper
43 100	
61 19.1	15.2 22.8
87 12.8	10.6 16.0





#48

Methyl methacrylate

Concen: 50.267 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#07

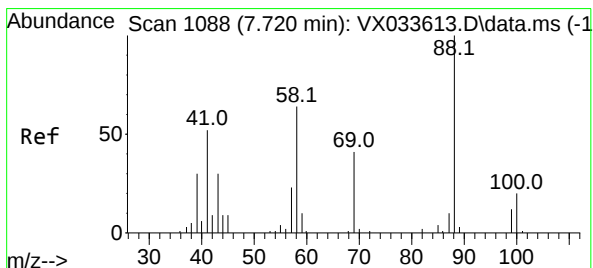
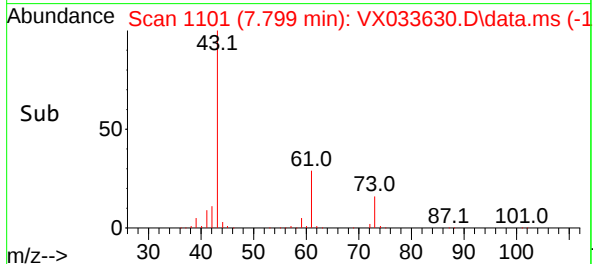
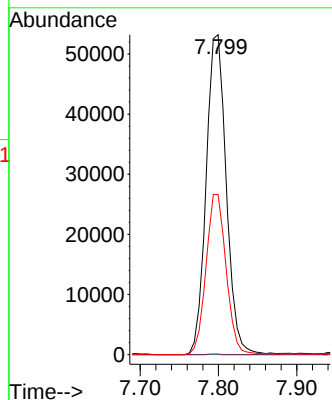
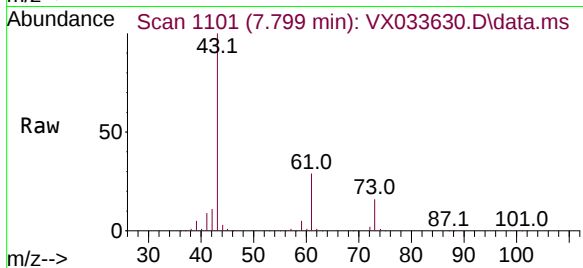
Tgt Ion: 41 Resp: 94959

Ion Ratio Lower Upper

41 100

69 0.1 63.1 94.7#

39 50.1 44.8 67.2



#49

1,4-Dioxane

Concen: 3.210 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.067 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

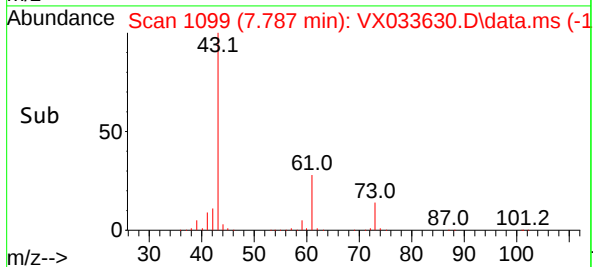
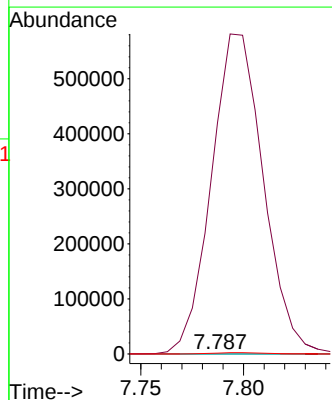
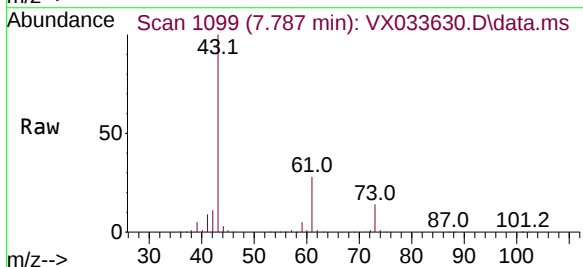
Tgt Ion: 88 Resp: 129

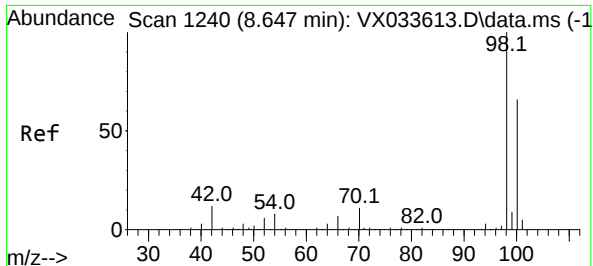
Ion Ratio Lower Upper

88 100

43 799971.3 24.1 36.1#

58 3272.1 57.1 85.7#

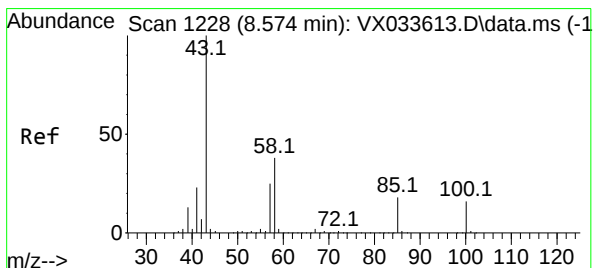
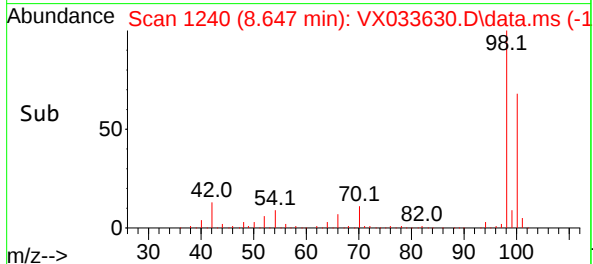
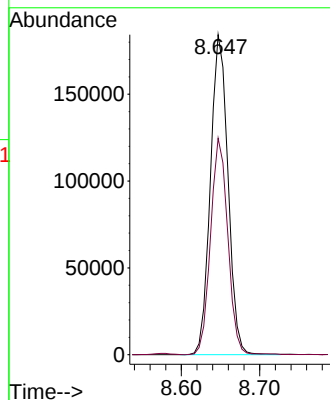
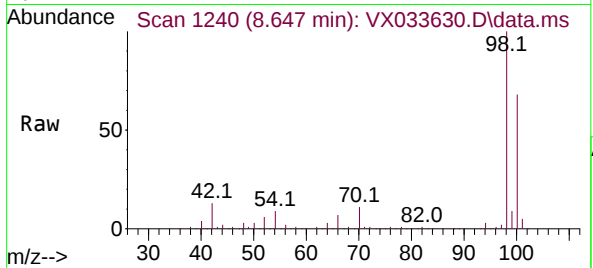




#50
Toluene-d8
Concen: 49.711 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

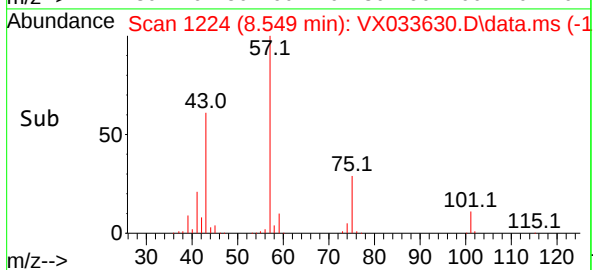
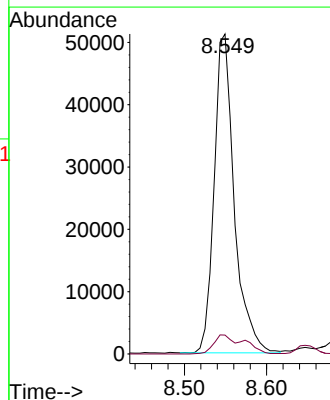
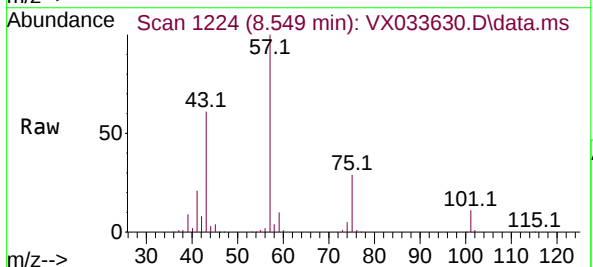
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#07

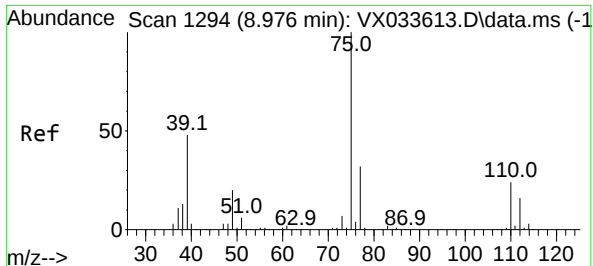
Tgt Ion: 98 Resp: 286321
Ion Ratio Lower Upper
98 100
100 66.4 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 36.822 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

Tgt Ion: 43 Resp: 86978
Ion Ratio Lower Upper
43 100
58 5.7 30.5 45.7#

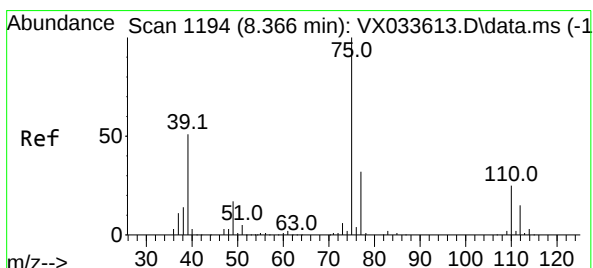
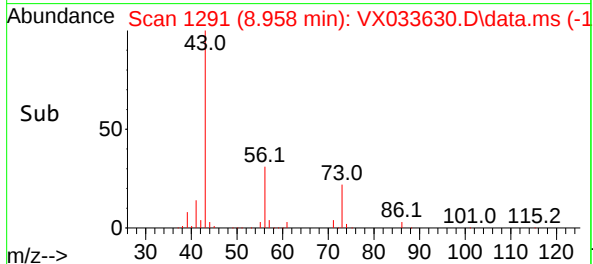
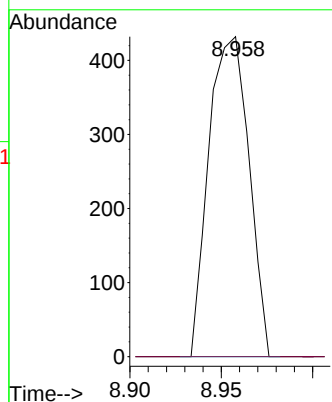
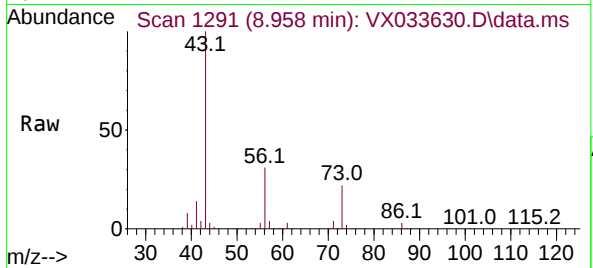




#53
 t-1,3-Dichloropropene
 Concen: 0.388 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX033630.D
 Acq: 06 Jan 2023 15:01

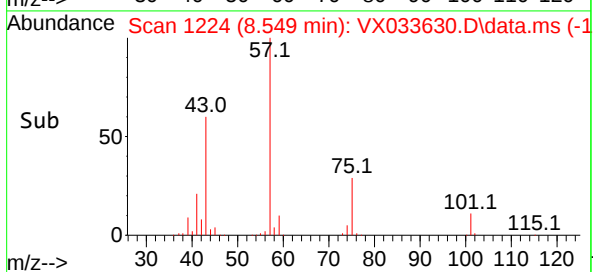
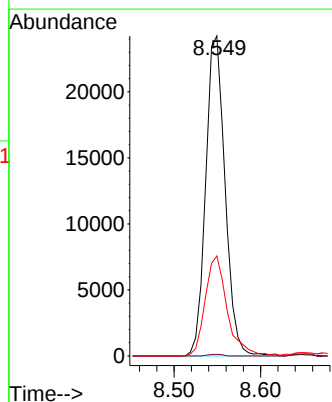
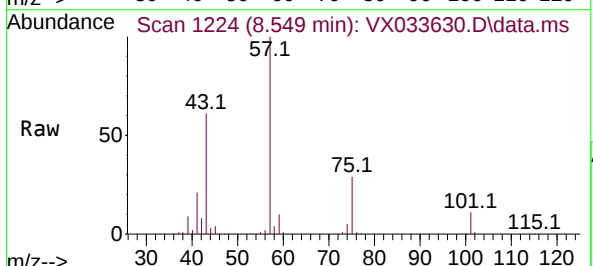
Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#07

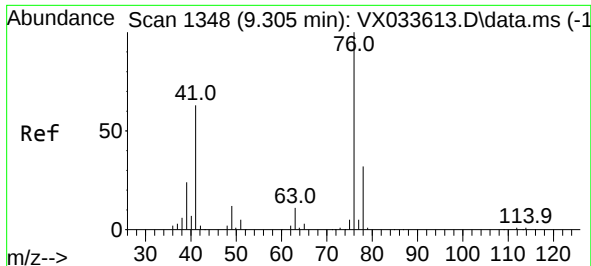
Tgt Ion: 75 Resp: 661
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#



#54
 cis-1,3-Dichloropropene
 Concen: 15.233 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033630.D
 Acq: 06 Jan 2023 15:01

Tgt Ion: 75 Resp: 37586
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.5 38.3#
 39 31.3 40.6 61.0#





#57

1,3-Dichloropropane

Concen: 1.777 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

Instrument :

MSVOA_X

ClientSampleId :

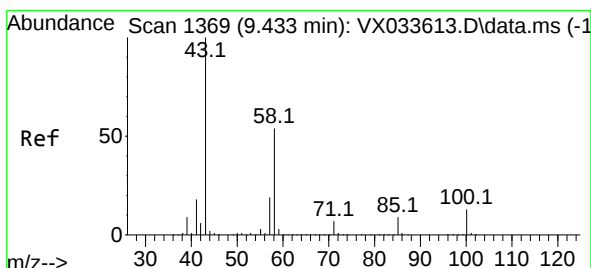
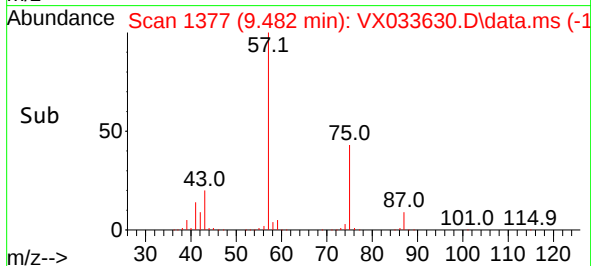
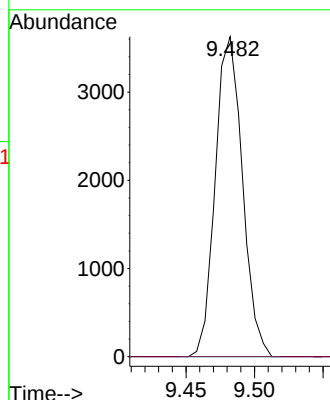
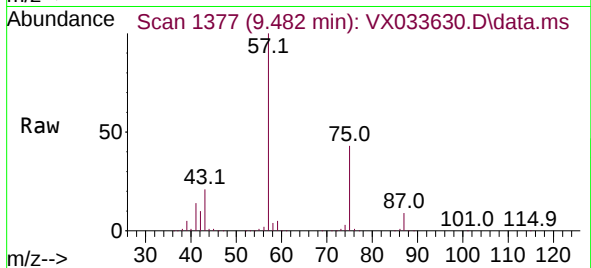
PB050057ZHE#07

Tgt Ion: 76 Resp: 4996

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 41.437 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033630.D

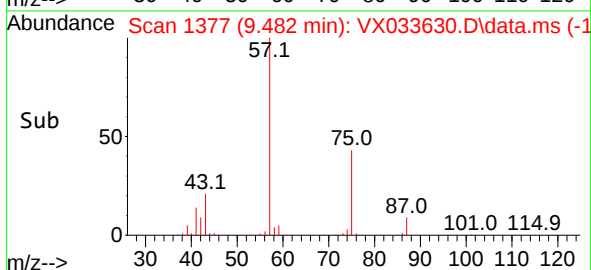
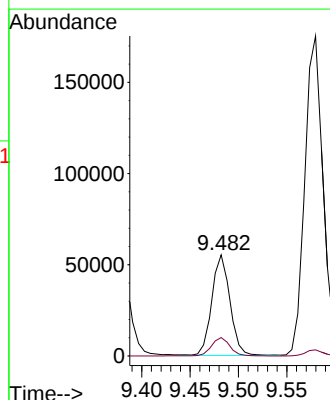
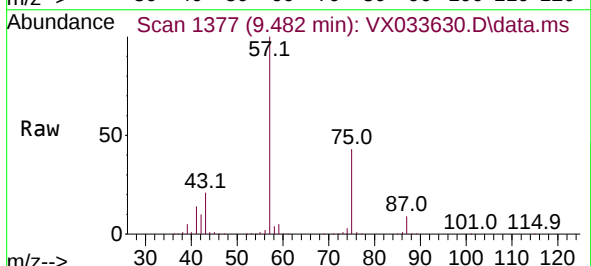
Acq: 06 Jan 2023 15:01

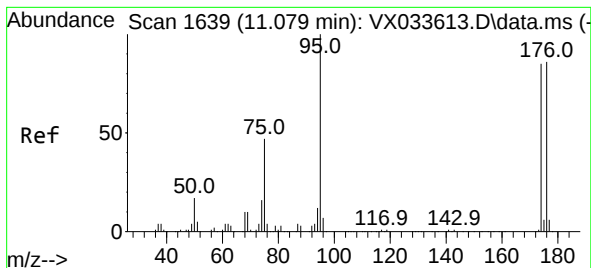
Tgt Ion: 43 Resp: 72305

Ion Ratio Lower Upper

43 100

58 18.7 26.6 79.8#

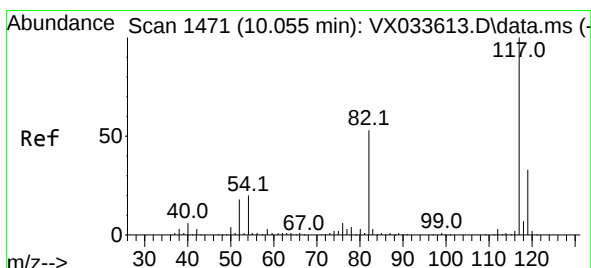
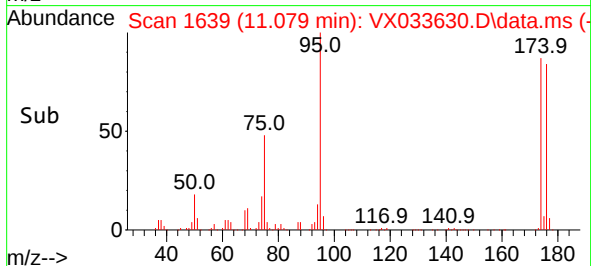
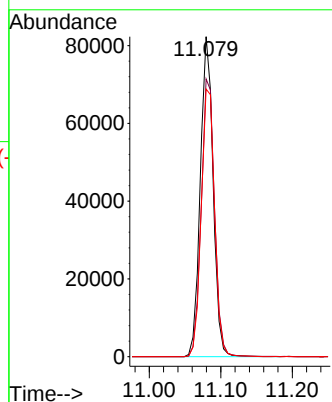
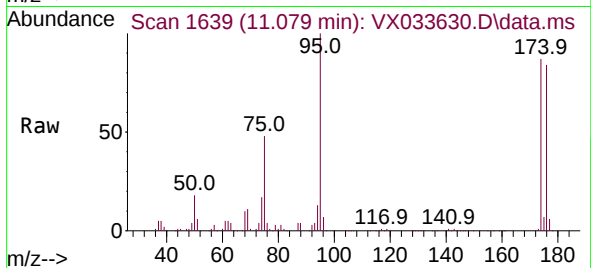




#62
4-Bromofluorobenzene
Concen: 50.131 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

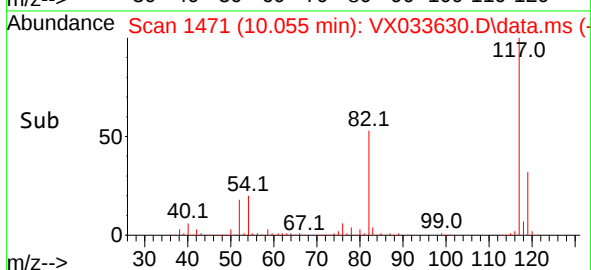
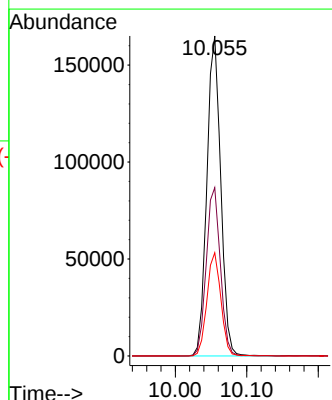
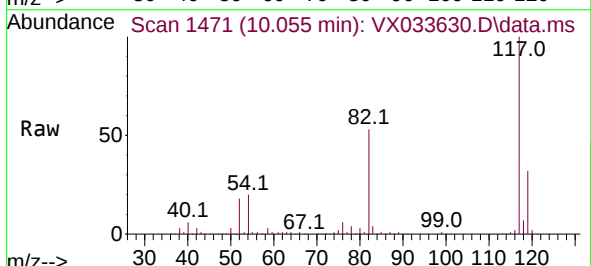
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#07

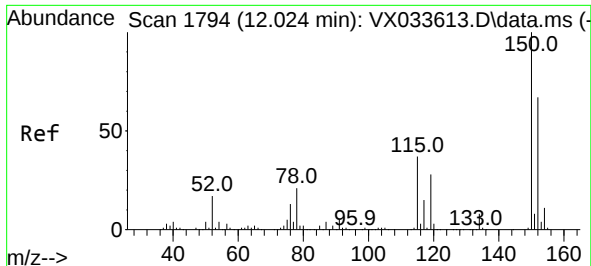
Tgt Ion: 95 Resp: 102347
Ion Ratio Lower Upper
95 100
174 90.1 0.0 180.4
176 87.6 0.0 176.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

Tgt Ion: 117 Resp: 222462
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.2
119 32.3 26.2 39.4

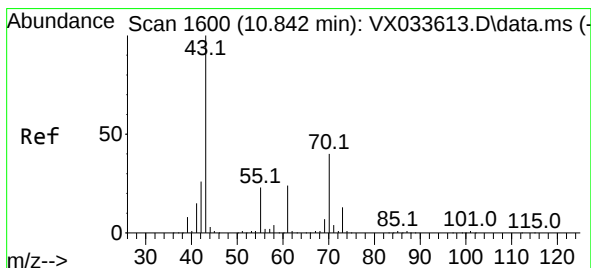
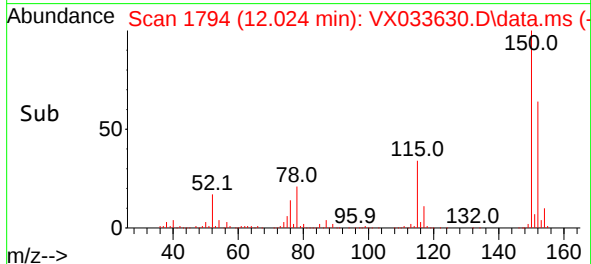
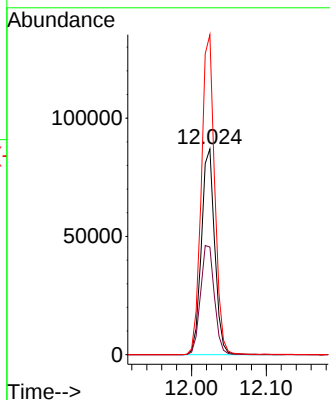
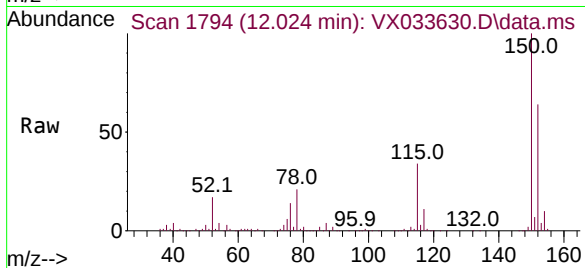




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

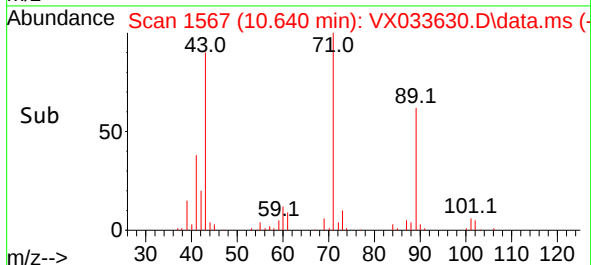
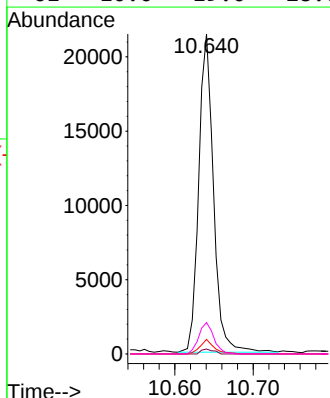
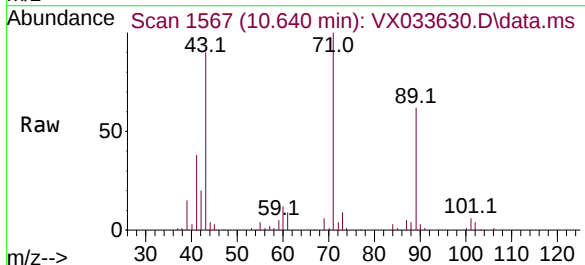
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#07

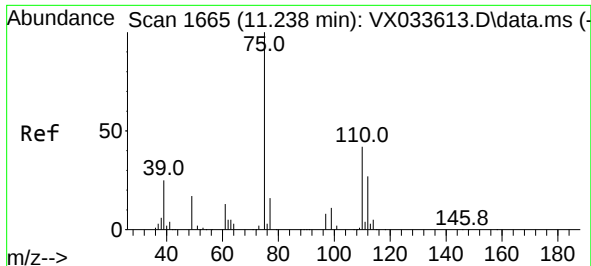
Tgt Ion:152 Resp: 107666
Ion Ratio Lower Upper
152 100
115 55.4 38.5 115.5
150 155.7 0.0 340.4



#74
N-ethyl acetate
Concen: 9.124 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

Tgt Ion: 43 Resp: 28112
Ion Ratio Lower Upper
43 100
70 1.3 33.4 50.0#
55 4.3 18.6 27.8#
61 10.0 19.0 28.6#

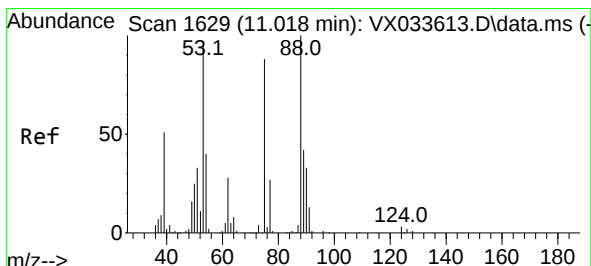
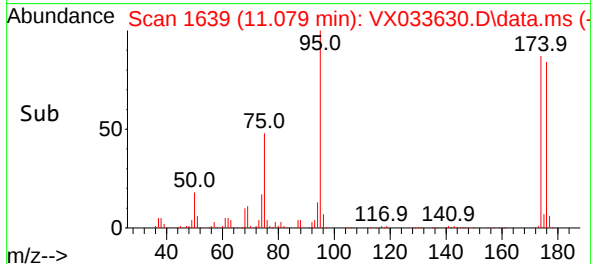
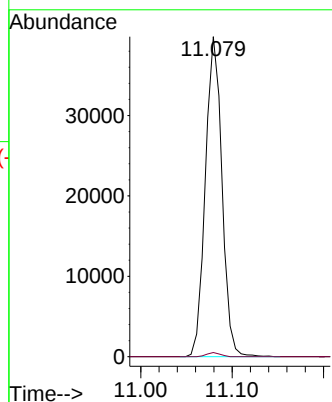
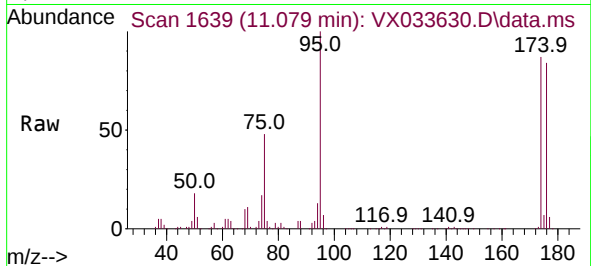




#76
1,2,3-Trichloropropane
Concen: 25.379 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

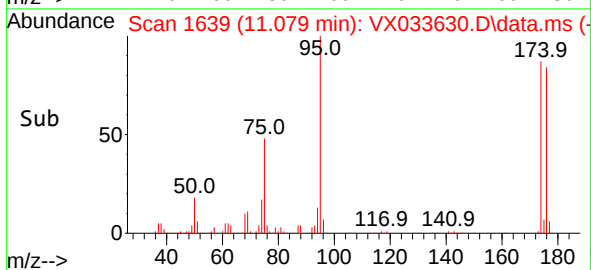
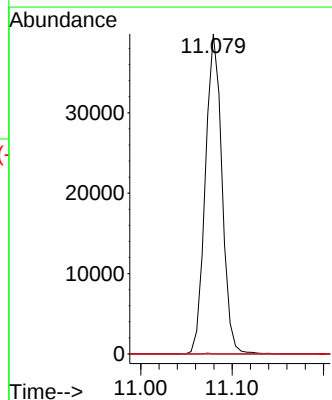
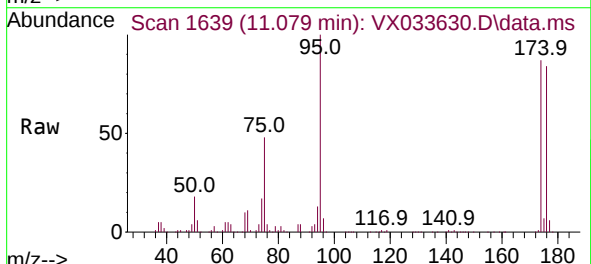
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#07

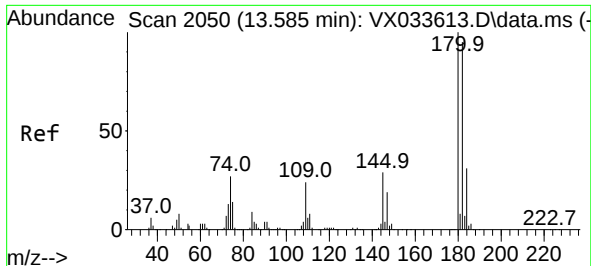
Tgt Ion: 75 Resp: 50059
Ion Ratio Lower Upper
75 100
77 1.1 21.3 63.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.028 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033630.D
Acq: 06 Jan 2023 15:01

Tgt Ion: 75 Resp: 50059
Ion Ratio Lower Upper
75 100
53 0.0 86.4 129.6#
89 0.1 37.4 56.2#





#93

1,2,4-Trichlorobenzene

Concen: 1.608 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

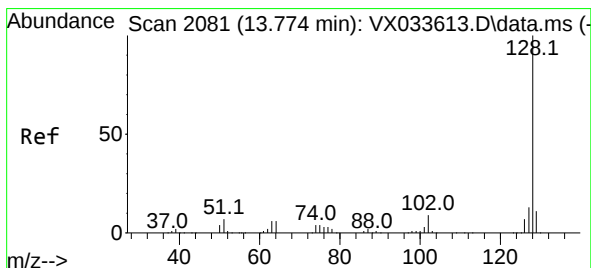
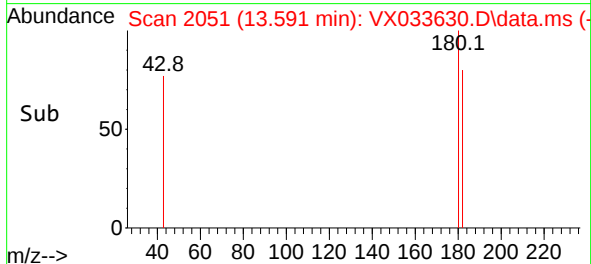
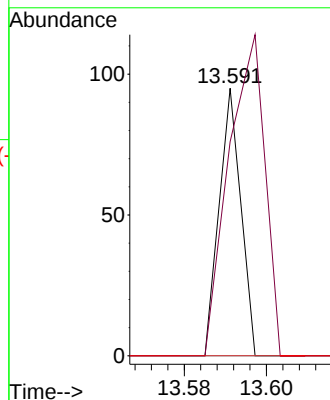
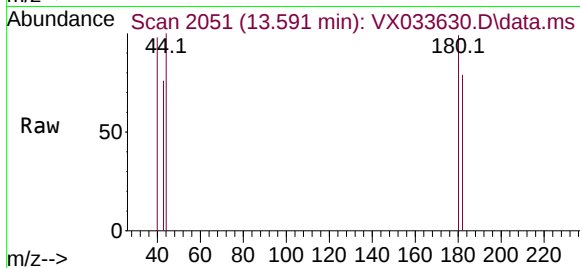
Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#07

Tgt Ion:180	Resp:	35
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.4 142.2#
145	0.0	14.1 42.2#



#95

Naphthalene

Concen: 3.140 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX033630.D

Acq: 06 Jan 2023 15:01

Tgt Ion:128	Resp:	178
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.3 15.5#
129	0.0	9.0 13.4#

