

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033624.D
 Acq On : 06 Jan 2023 12:42
 Operator : JC/MD
 Sample : PB050057ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

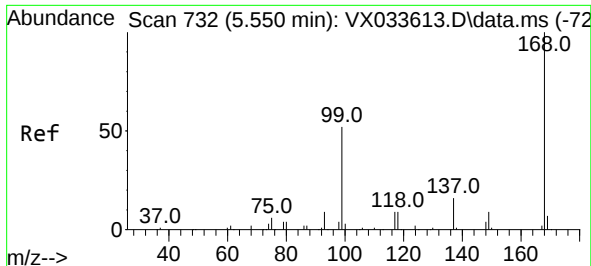
Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#01

Quant Time: Jan 07 04:22:51 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	176027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	254875	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	107905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96120	48.372	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.740%		
35) Dibromofluoromethane	5.385	113	79393	47.391	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.780%		
50) Toluene-d8	8.647	98	295832	49.406	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.820%		
62) 4-Bromofluorobenzene	11.079	95	105947	49.918	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.840%		
Target Compounds					Qvalue	
3) Chloromethane	1.258	50	850	0.476	ug/l #	42
16) Acetone	2.392	43	24064	23.613	ug/l	96
17) Carbon Disulfide	2.514	76	433	1.733	ug/l #	74
18) Methyl Acetate	2.709	43	1200	0.436	ug/l	92
25) 2-Butanone	4.574	43	7178	5.532	ug/l #	89
29) Tetrahydrofuran	5.038	42	1097	1.333	ug/l #	72
31) Cyclohexane	5.550	56	3192	1.154	ug/l #	4
36) 1,1-Dichloropropene	5.544	75	12068	5.318	ug/l #	50
37) Ethyl Acetate	4.715	43	25183	8.241	ug/l	99
38) Carbon Tetrachloride	5.550	117	16102	6.705	ug/l #	15
41) Methacrylonitrile	5.026	41	351	0.255	ug/l #	47
43) Isopropyl Acetate	6.336	43	108766	28.034	ug/l	99
48) Methyl methacrylate	7.793	41	98084	49.943	ug/l #	43
49) 1,4-Dioxane	7.793	88	142	3.399	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	88723	36.130	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	788	0.427	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37972	14.803	ug/l #	61
56) Ethyl methacrylate	9.238	69	637	0.250	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4935	1.689	ug/l #	42
59) 2-Hexanone	9.482	43	72859	40.164	ug/l #	51
74) N-amyl acetate	10.640	43	28102	9.101	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	51529	26.066	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	51529	79.115	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	362	1.740	ug/l	87
95) Naphthalene	13.780	128	637	3.196	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	213	3.828	ug/l	90

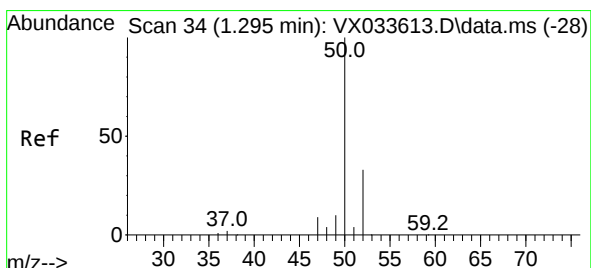
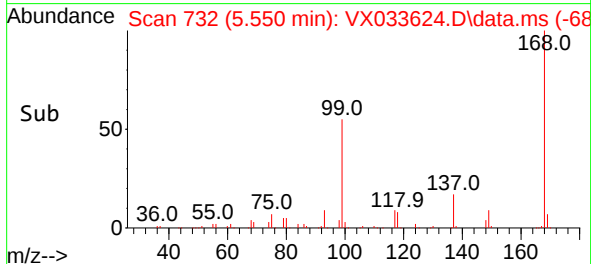
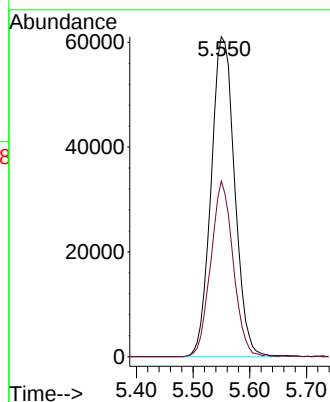
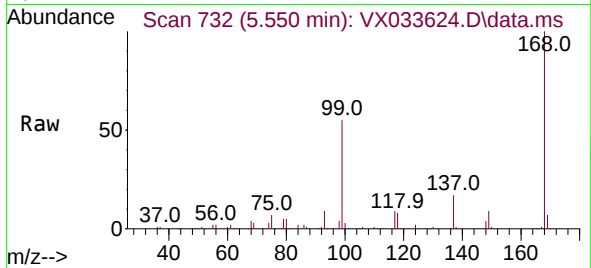
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

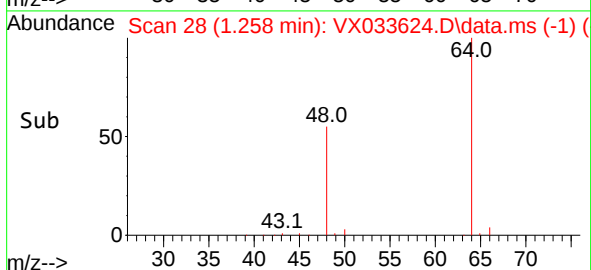
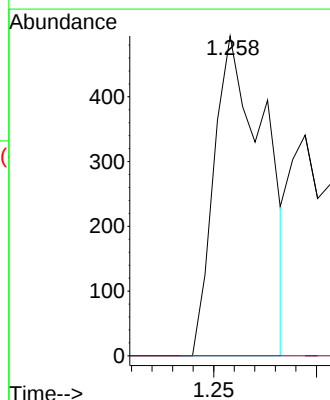
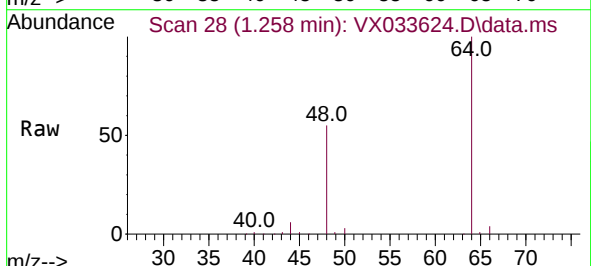
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#01

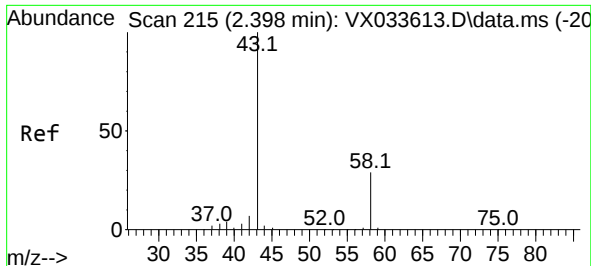
Tgt Ion:168 Resp: 176027
Ion Ratio Lower Upper
168 100
99 54.9 41.4 62.2



#3
Chloromethane
Concen: 0.476 ug/l
RT: 1.258 min Scan# 28
Delta R.T. -0.037 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

Tgt Ion: 50 Resp: 850
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#





#16

Acetone

Concen: 23.613 ug/l

RT: 2.392 min Scan# 215

Delta R.T. -0.006 min

Lab File: VX033624.D

Acq: 06 Jan 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

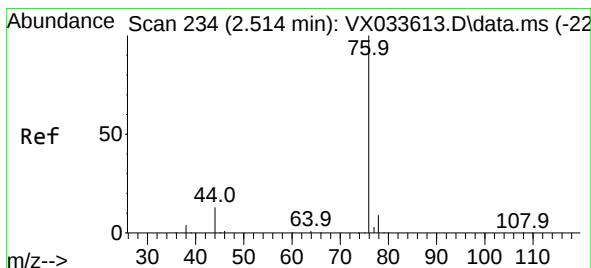
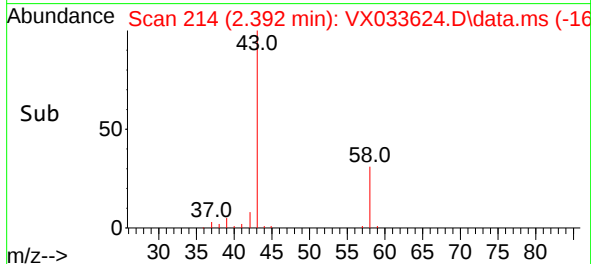
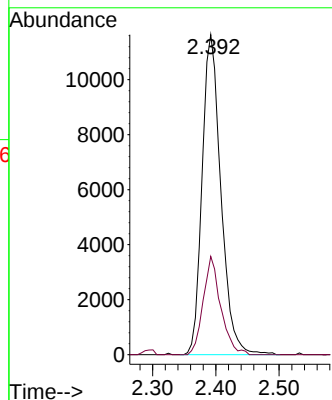
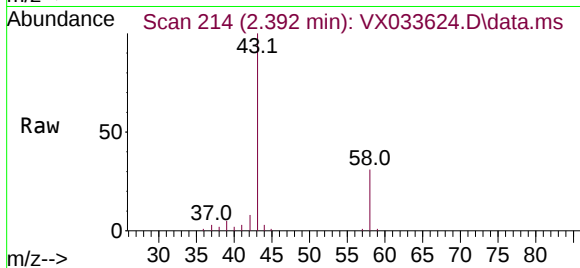
PB050057ZHE#01

Tgt Ion: 43 Resp: 24064

Ion Ratio Lower Upper

43 100

58 30.7 22.9 34.3



#17

Carbon Disulfide

Concen: 1.733 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX033624.D

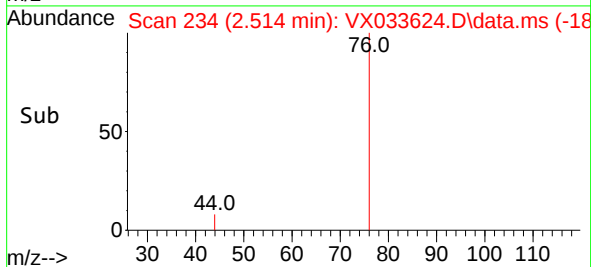
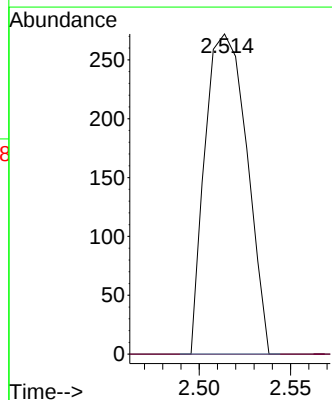
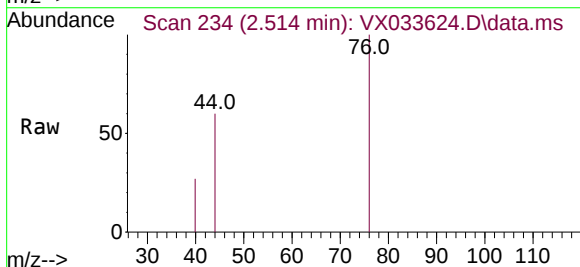
Acq: 06 Jan 2023 12:42

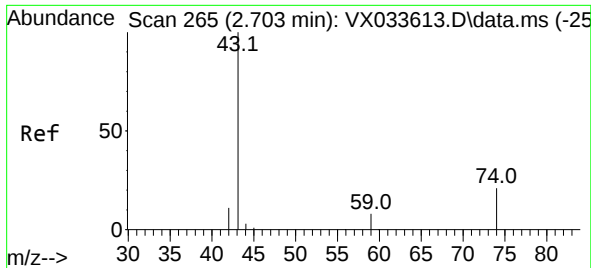
Tgt Ion: 76 Resp: 433

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#





#18

Methyl Acetate

Concen: 0.436 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX033624.D

Acq: 06 Jan 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

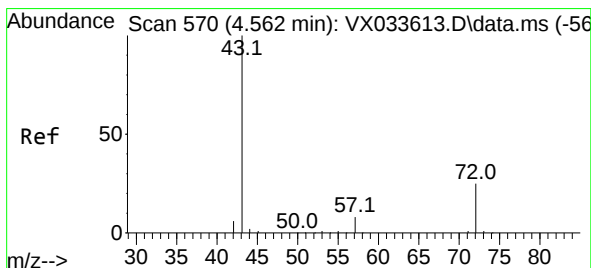
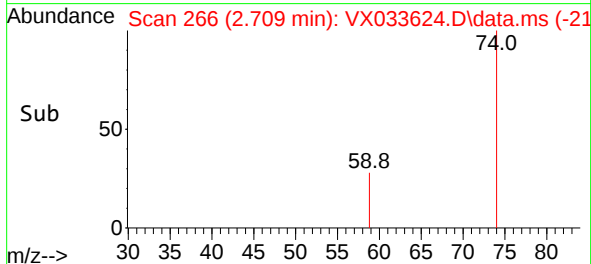
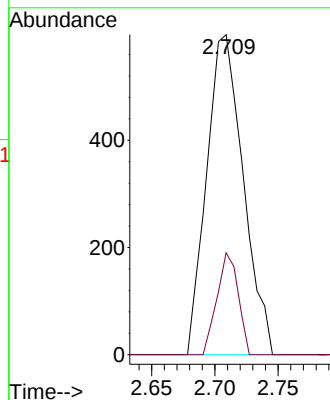
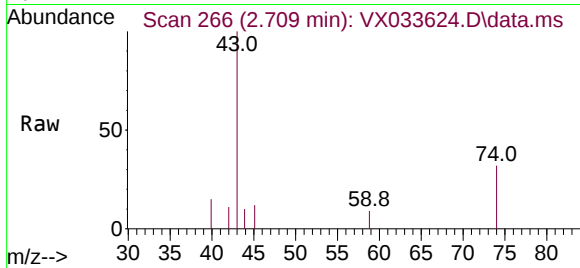
PB050057ZHE#01

Tgt Ion: 43 Resp: 1200

Ion Ratio Lower Upper

43 100

74 18.3 17.9 26.9



#25

2-Butanone

Concen: 5.532 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX033624.D

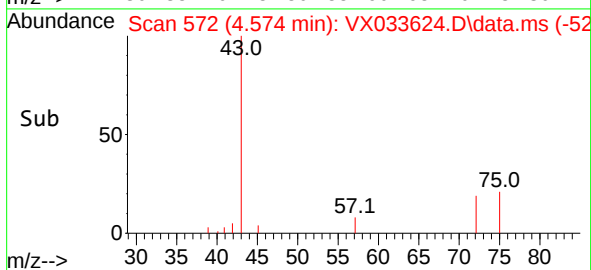
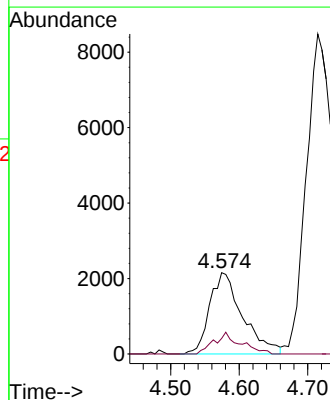
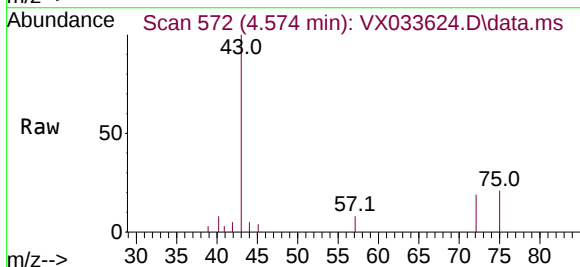
Acq: 06 Jan 2023 12:42

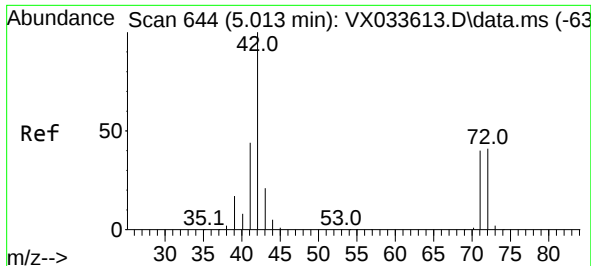
Tgt Ion: 43 Resp: 7178

Ion Ratio Lower Upper

43 100

72 19.2 19.8 29.6#





#29

Tetrahydrofuran

Concen: 1.333 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.024 min

Lab File: VX033624.D

Acq: 06 Jan 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#01

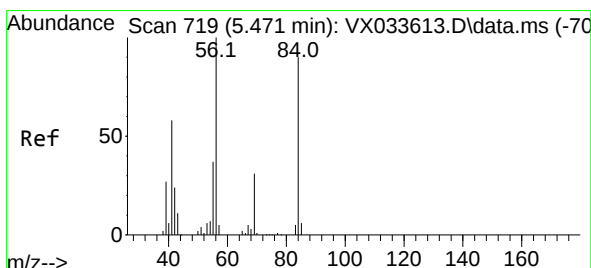
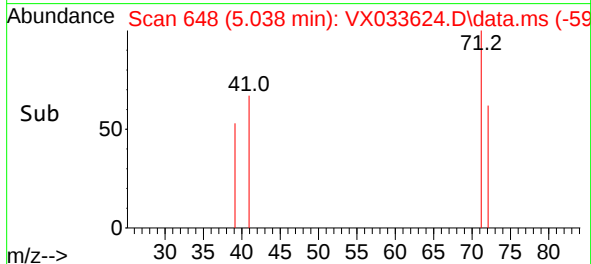
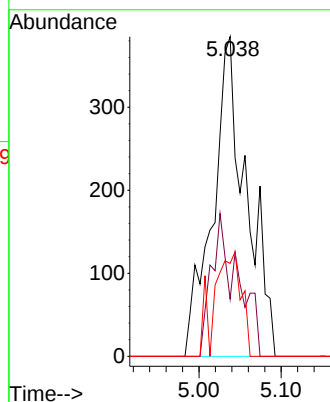
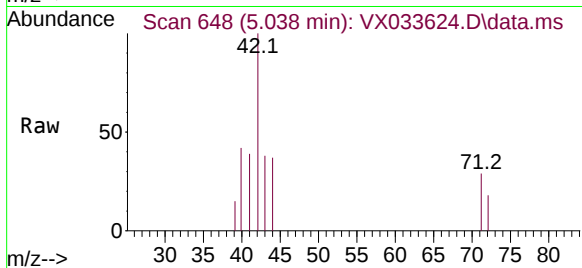
Tgt Ion: 42 Resp: 1097

Ion Ratio Lower Upper

42 100

72 21.0 34.2 51.4#

71 26.2 31.4 47.0#



#31

Cyclohexane

Concen: 1.154 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033624.D

Acq: 06 Jan 2023 12:42

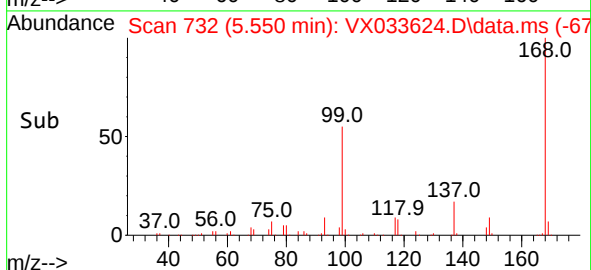
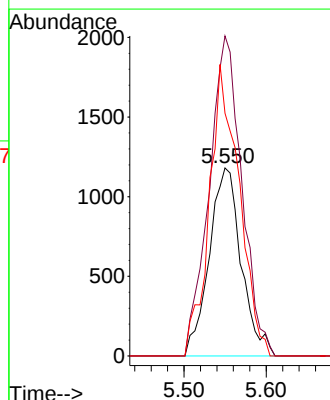
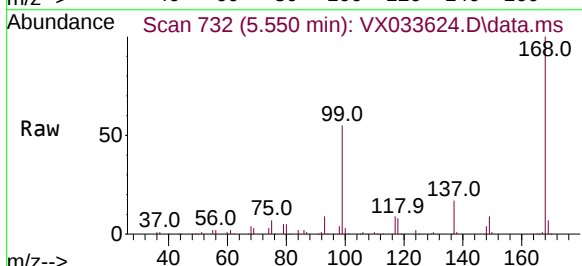
Tgt Ion: 56 Resp: 3192

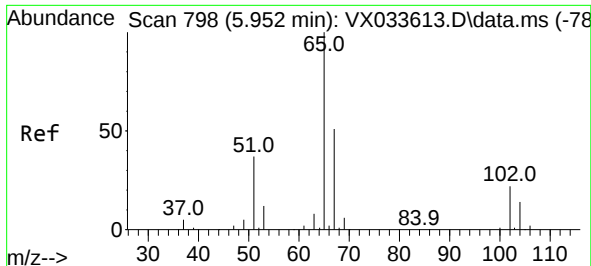
Ion Ratio Lower Upper

56 100

69 170.3 24.6 36.8#

84 129.2 72.2 108.2#





#33

1,2-Dichloroethane-d4

Concen: 48.372 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX033624.D

Acq: 06 Jan 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

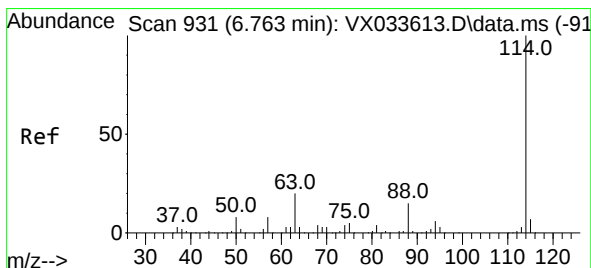
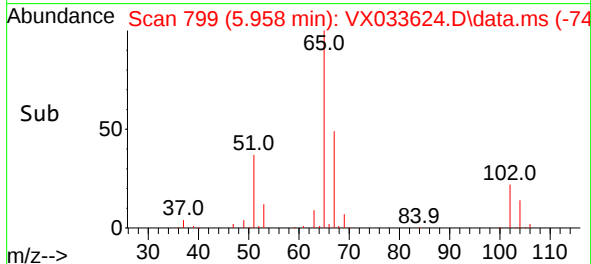
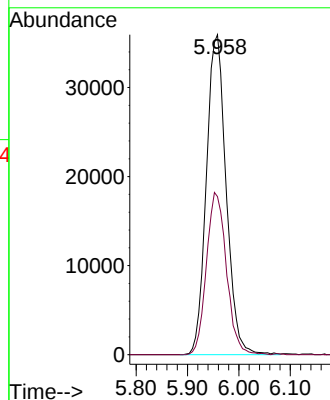
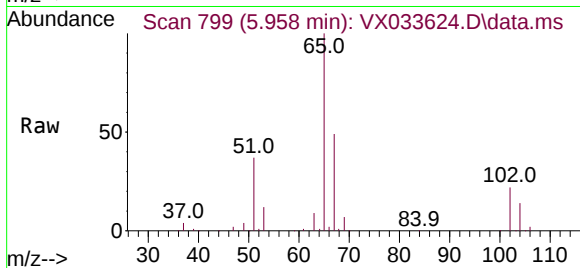
PB050057ZHE#01

Tgt Ion: 65 Resp: 96120

Ion Ratio Lower Upper

65 100

67 51.2 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: VX033624.D

Acq: 06 Jan 2023 12:42

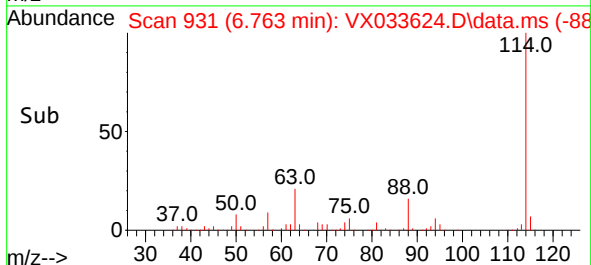
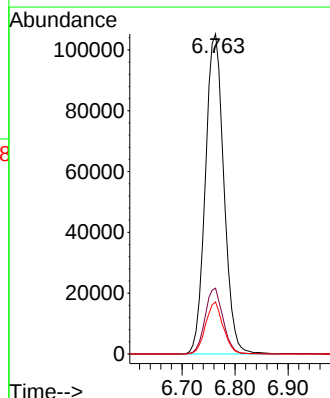
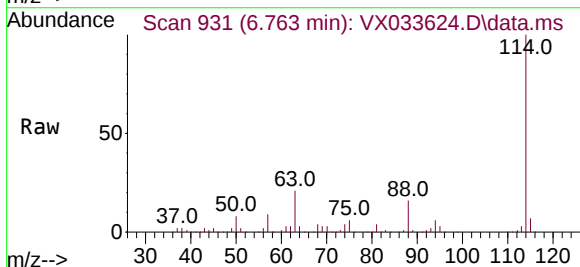
Tgt Ion: 114 Resp: 254875

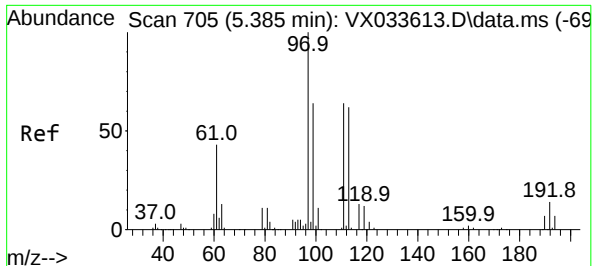
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

88 16.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 47.391 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX033624.D

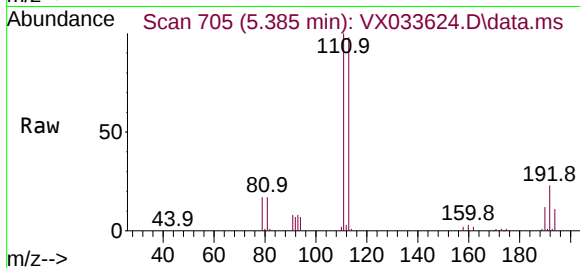
Acq: 06 Jan 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#01



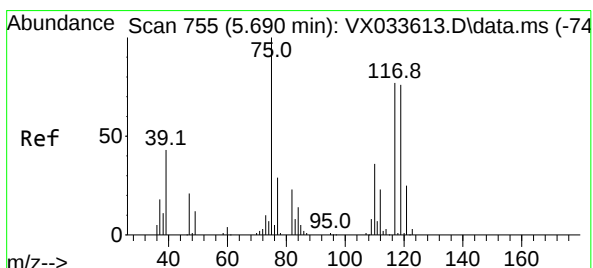
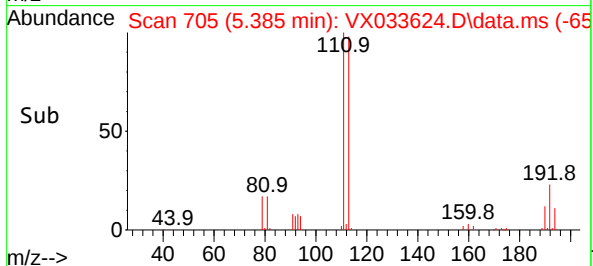
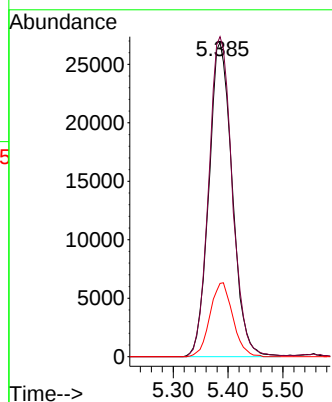
Tgt Ion:113 Resp: 79393

Ion Ratio Lower Upper

113 100

111 102.6 81.2 121.8

192 23.0 18.2 27.2



#36

1,1-Dichloropropene

Concen: 5.318 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX033624.D

Acq: 06 Jan 2023 12:42

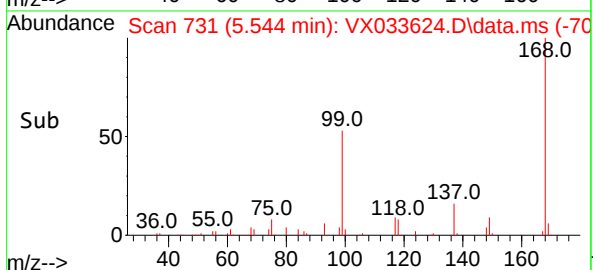
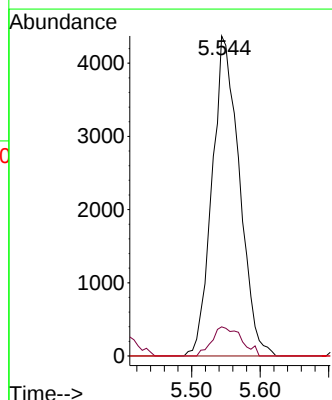
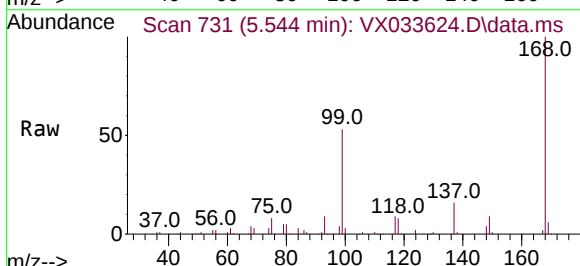
Tgt Ion: 75 Resp: 12068

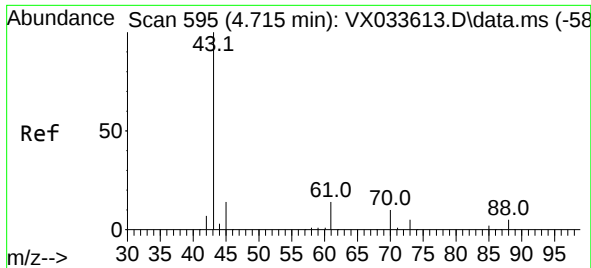
Ion Ratio Lower Upper

75 100

110 9.8 18.0 54.0#

77 0.0 24.5 36.7#

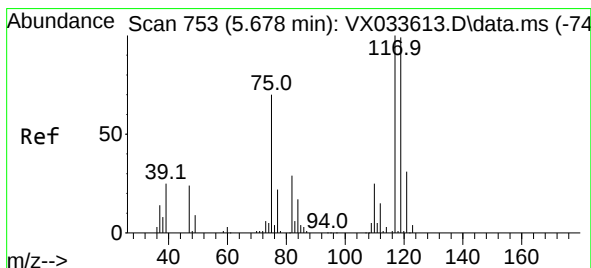
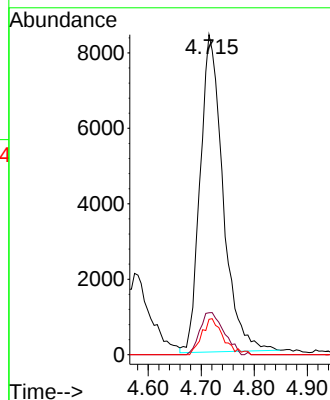
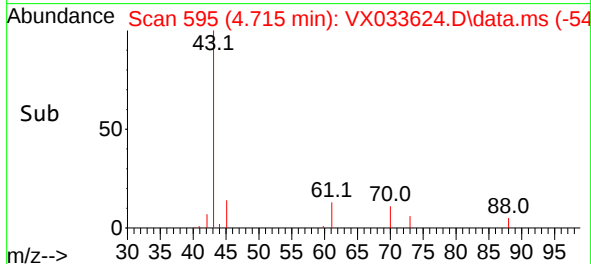
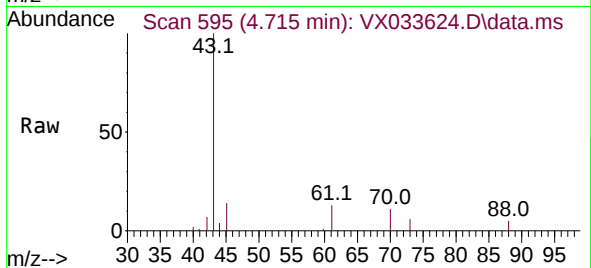




#37
Ethyl Acetate
Concen: 8.241 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

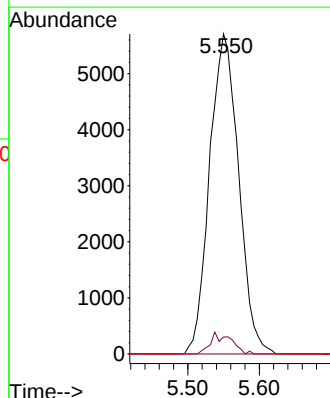
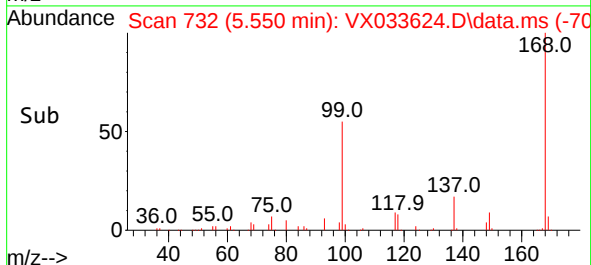
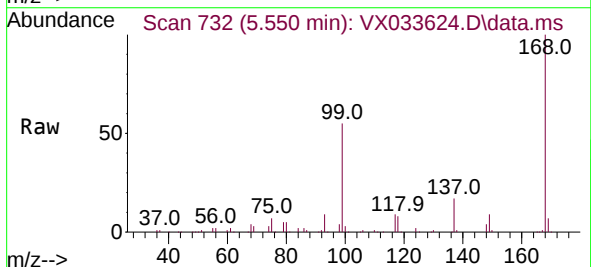
Instrument :
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PB050057ZHE#01

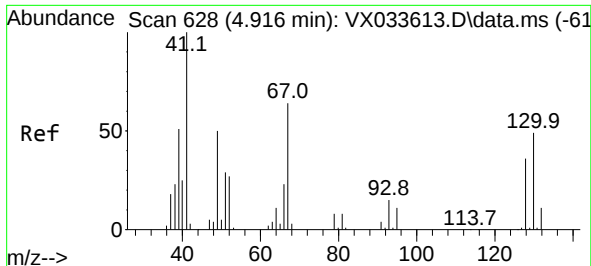
Tgt Ion:	43	Resp:	25183
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.6	16.0
70	10.6	8.1	12.1



#38
Carbon Tetrachloride
Concen: 6.705 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

Tgt Ion:	117	Resp:	16102
Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.8	118.2#
121	0.0	24.9	37.3#

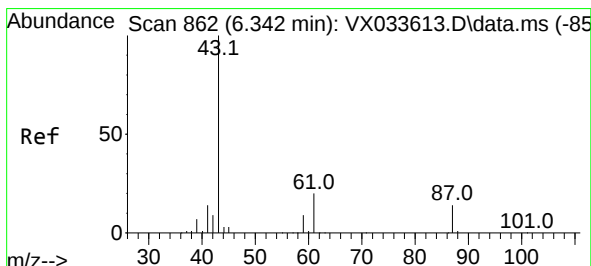
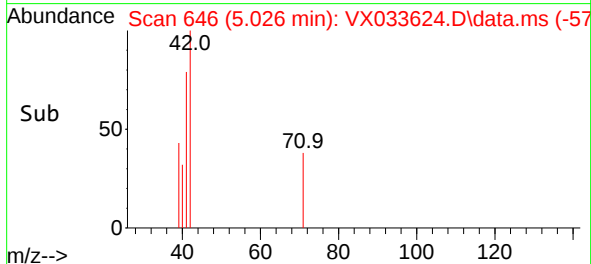
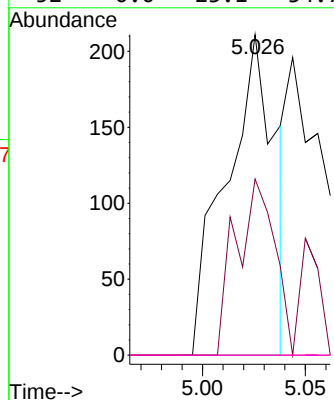
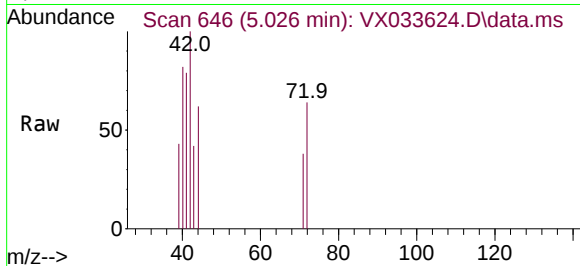




#41
Methacrylonitrile
Concen: 0.255 ug/l
RT: 5.026 min Scan# 641
Delta R.T. 0.110 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

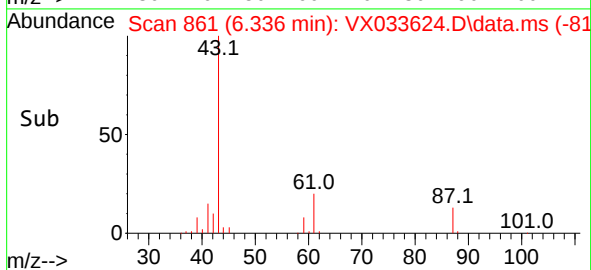
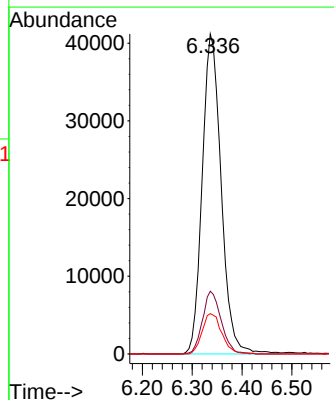
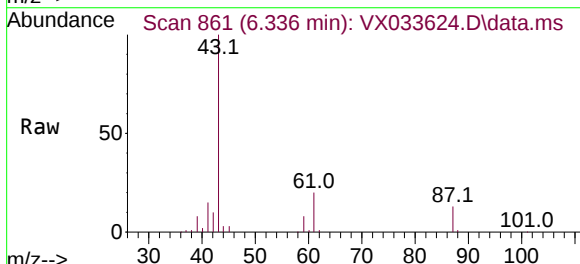
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#01

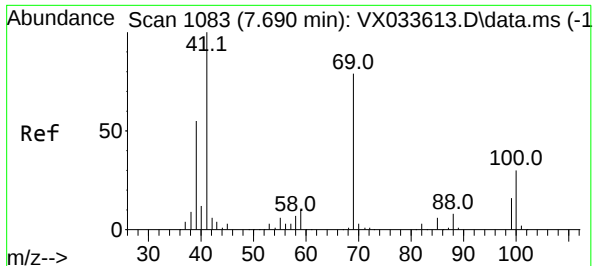
Tgt Ion: 41 Resp: 351
Ion Ratio Lower Upper
41 100
39 43.6 44.1 66.1#
67 0.0 53.8 80.6#
52 0.0 23.1 34.7#



#43
Isopropyl Acetate
Concen: 28.034 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

Tgt Ion: 43 Resp: 108766
Ion Ratio Lower Upper
43 100
61 19.3 15.2 22.8
87 13.0 10.6 16.0





#48

Methyl methacrylate

Concen: 49.943 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX033624.D

Acq: 06 Jan 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#01

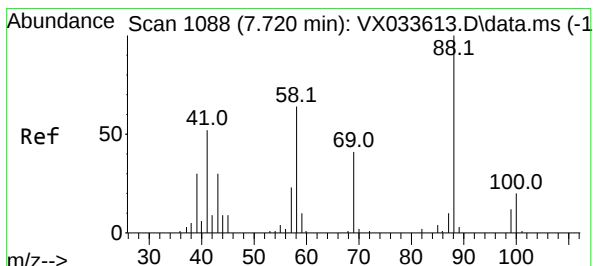
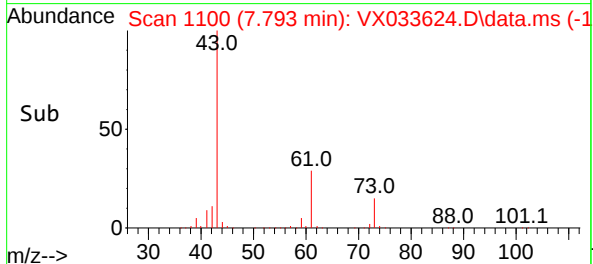
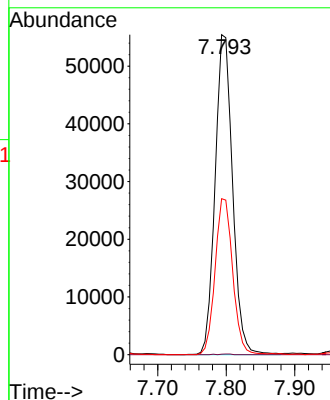
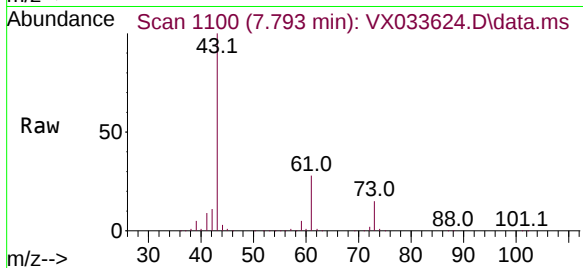
Tgt Ion: 41 Resp: 98084

Ion Ratio Lower Upper

41 100

69 0.1 63.1 94.7#

39 48.9 44.8 67.2



#49

1,4-Dioxane

Concen: 3.399 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.073 min

Lab File: VX033624.D

Acq: 06 Jan 2023 12:42

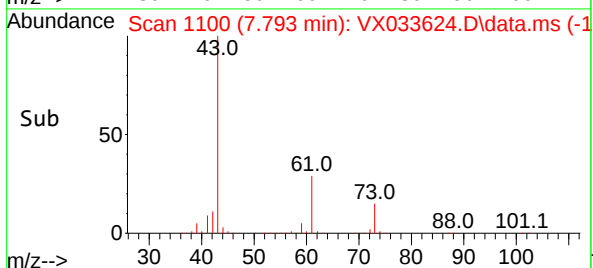
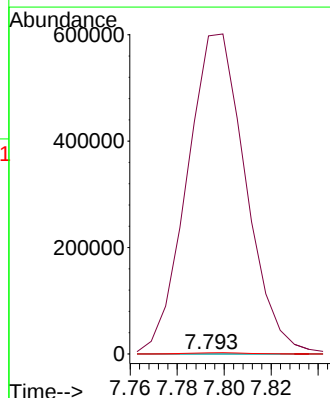
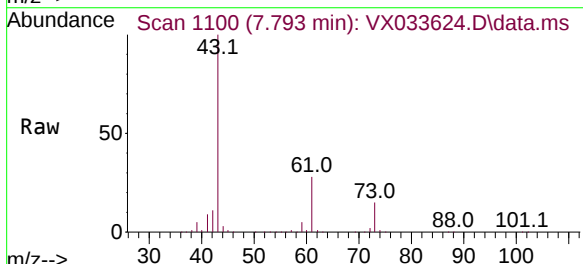
Tgt Ion: 88 Resp: 142

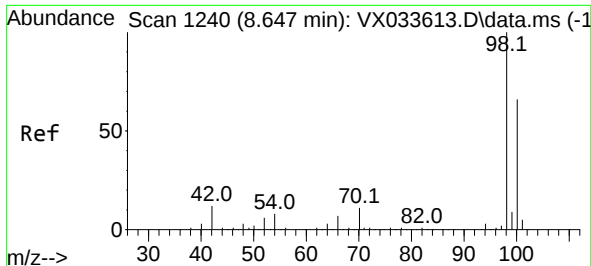
Ion Ratio Lower Upper

88 100

43 743433.8 24.1 36.1#

58 2847.2 57.1 85.7#

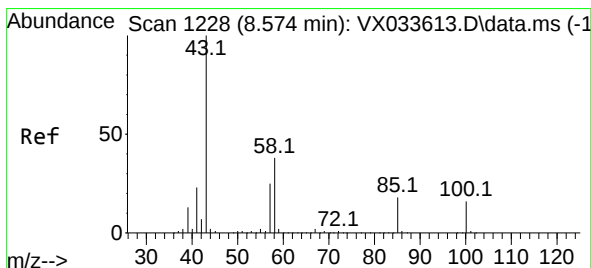
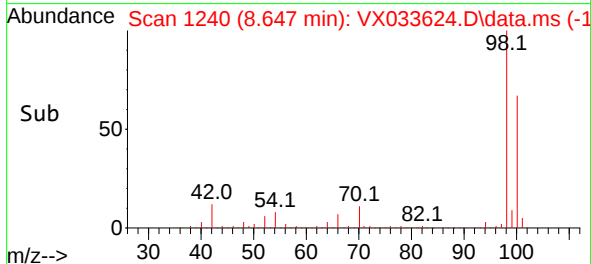
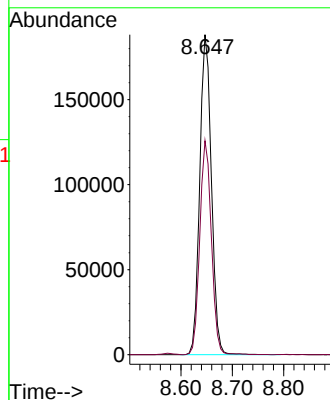
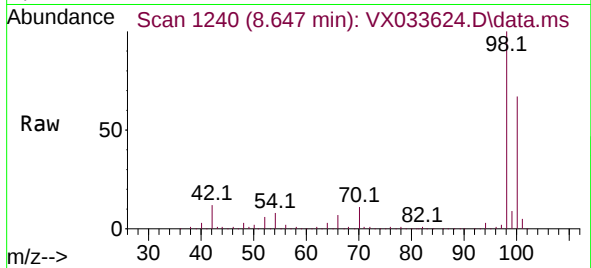




#50
Toluene-d8
Concen: 49.406 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

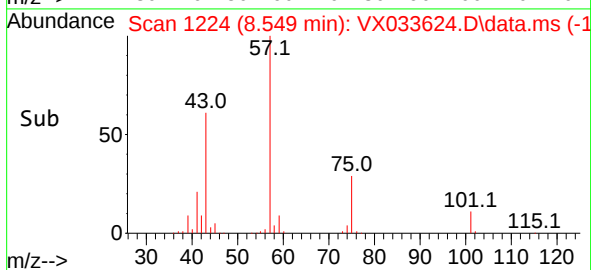
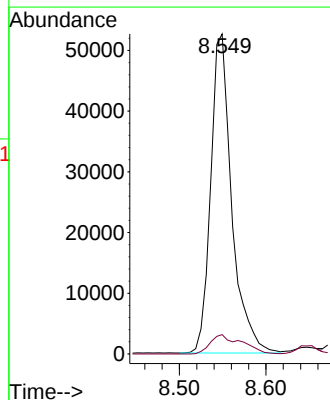
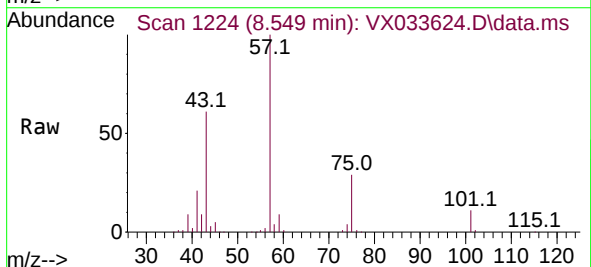
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#01

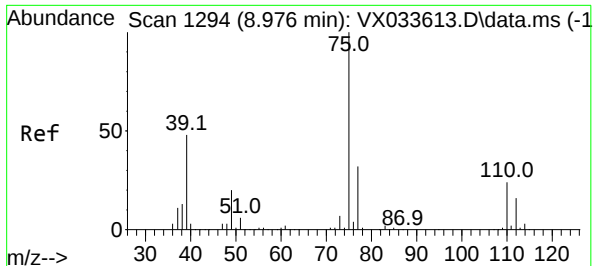
Tgt Ion: 98 Resp: 295832
Ion Ratio Lower Upper
98 100
100 66.7 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 36.130 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

Tgt Ion: 43 Resp: 88723
Ion Ratio Lower Upper
43 100
58 9.1 30.5 45.7#





#53

t-1,3-Dichloropropene

Concen: 0.427 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033624.D

Acq: 06 Jan 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

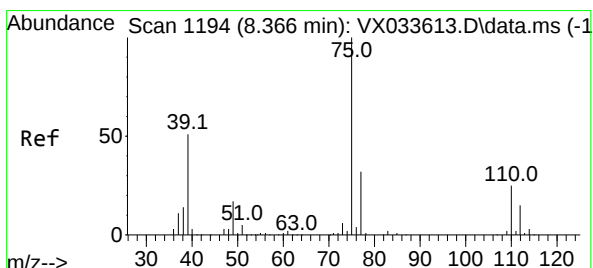
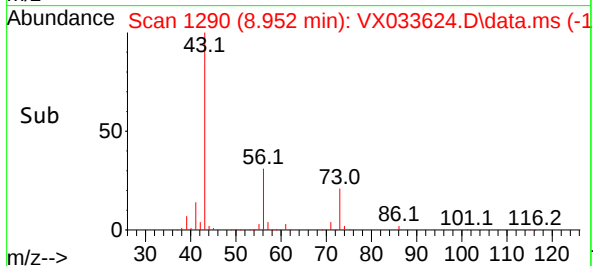
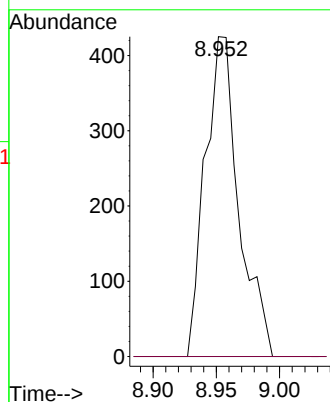
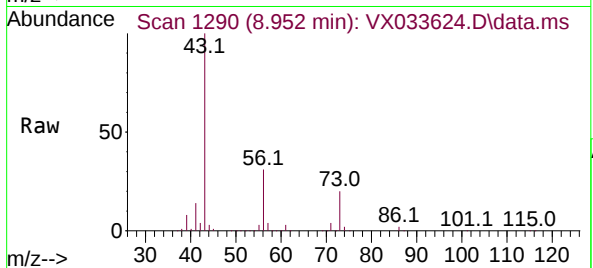
PB050057ZHE#01

Tgt Ion: 75 Resp: 788

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#



#54

cis-1,3-Dichloropropene

Concen: 14.803 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033624.D

Acq: 06 Jan 2023 12:42

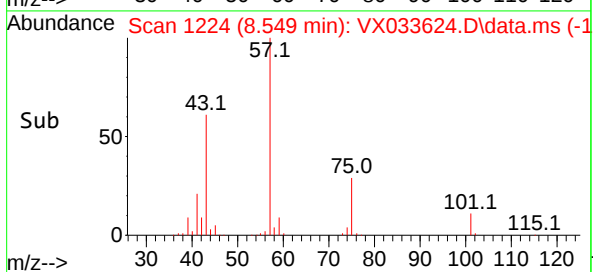
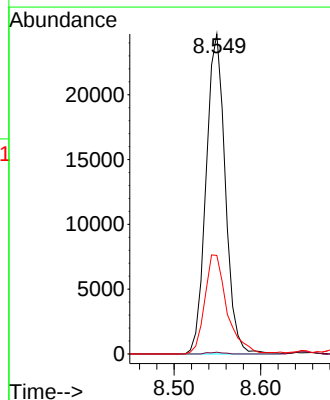
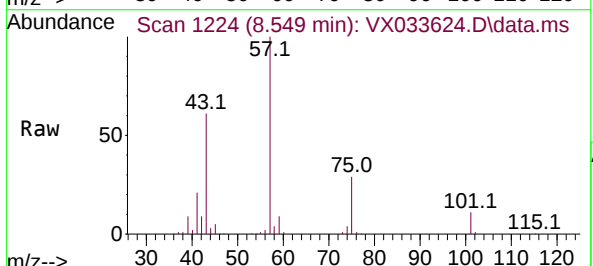
Tgt Ion: 75 Resp: 37972

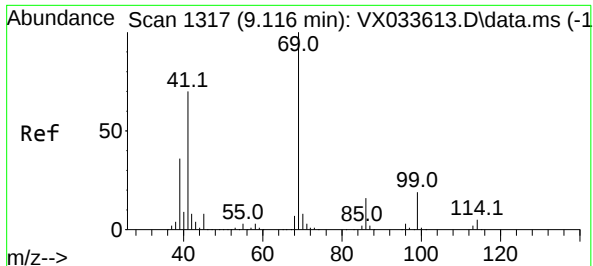
Ion Ratio Lower Upper

75 100

77 0.5 25.5 38.3#

39 30.8 40.6 61.0#





#56

Ethyl methacrylate

Concen: 0.250 ug/l

RT: 9.238 min Scan# 1337

Delta R.T. 0.122 min

Lab File: VX033624.D

Acq: 06 Jan 2023 12:42

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#01

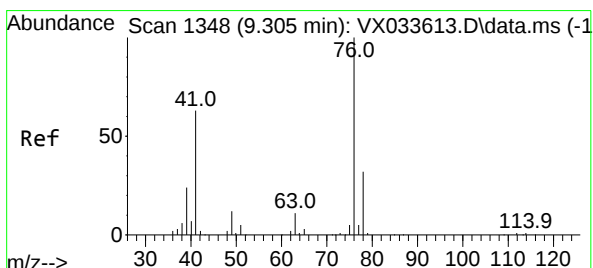
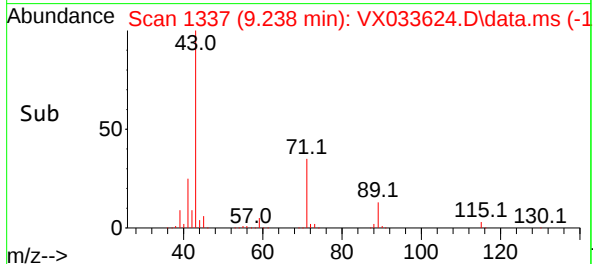
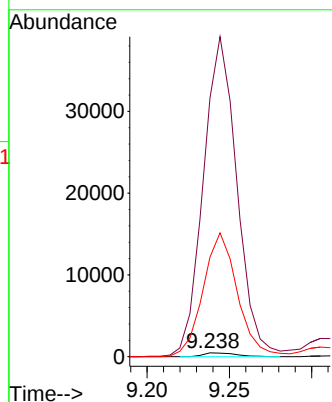
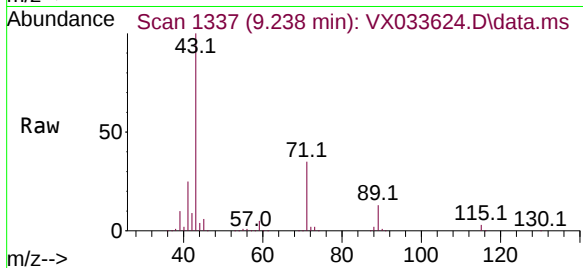
Tgt Ion: 69 Resp: 637

Ion Ratio Lower Upper

69 100

41 8745.4 56.6 84.8#

39 3466.2 29.4 44.0#



#57

1,3-Dichloropropane

Concen: 1.689 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033624.D

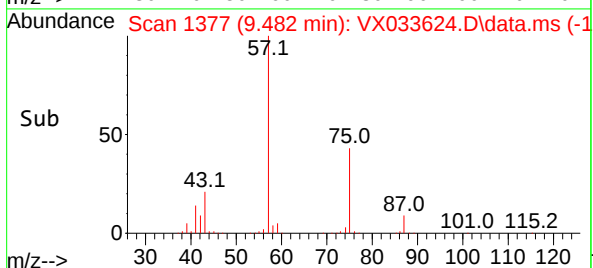
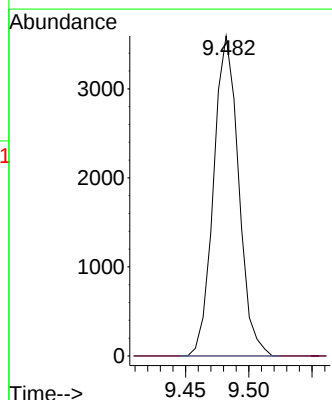
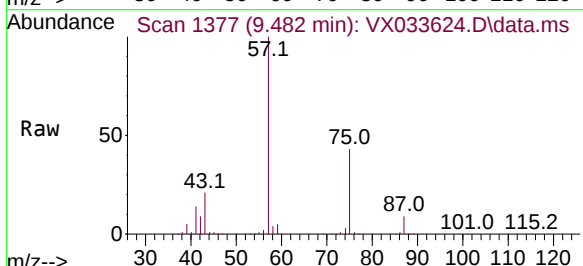
Acq: 06 Jan 2023 12:42

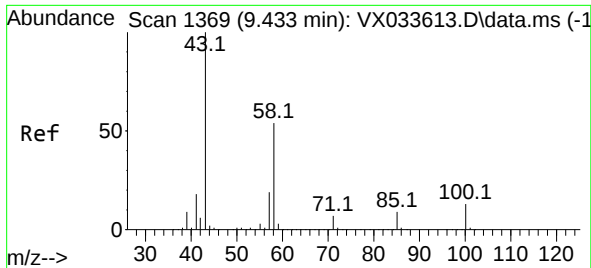
Tgt Ion: 76 Resp: 4935

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#

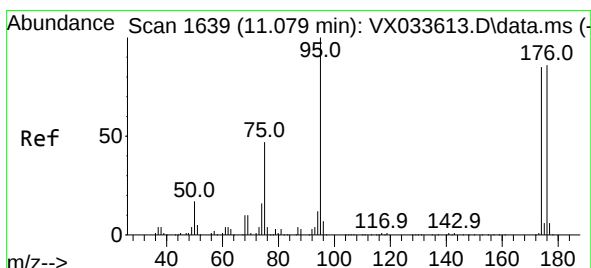
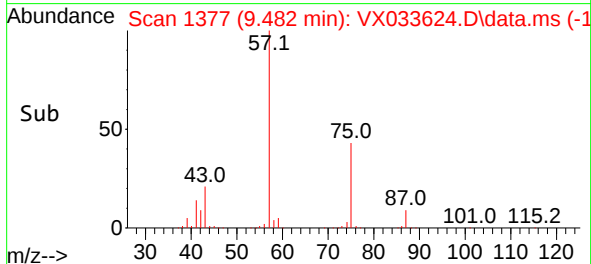
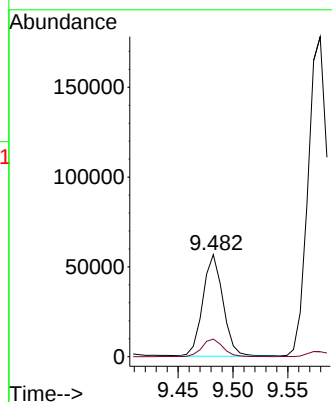
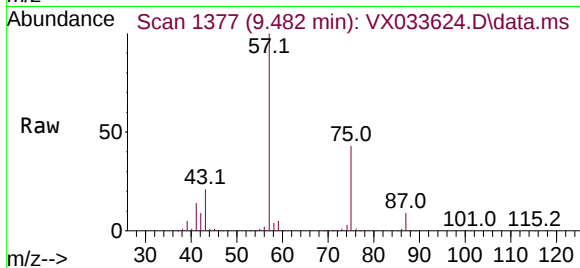




#59
2-Hexanone
Concen: 40.164 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

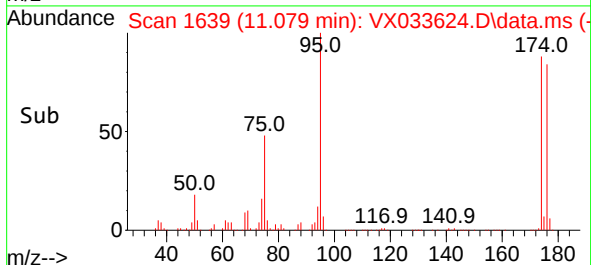
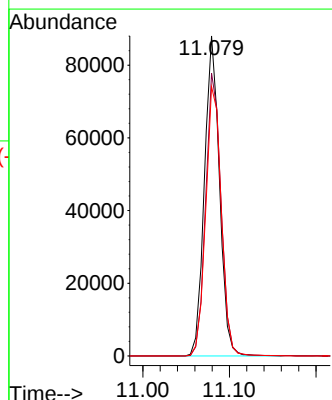
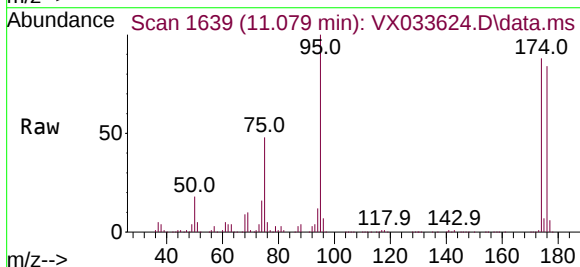
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#01

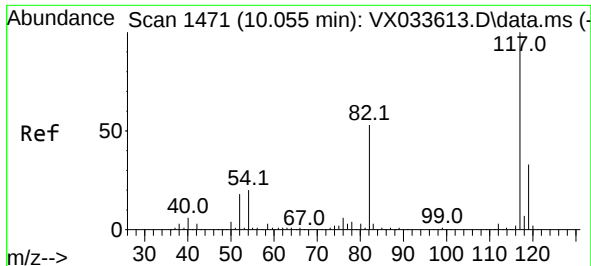
Tgt Ion: 43 Resp: 72859
Ion Ratio Lower Upper
43 100
58 18.2 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 49.918 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

Tgt Ion: 95 Resp: 105947
Ion Ratio Lower Upper
95 100
174 90.5 0.0 180.4
176 87.6 0.0 176.2

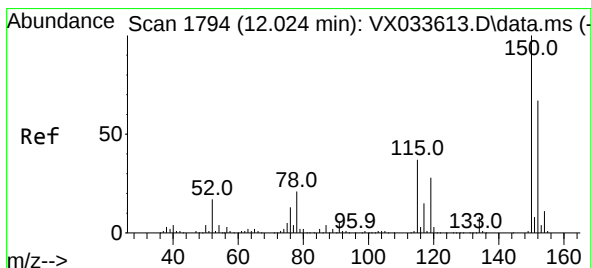
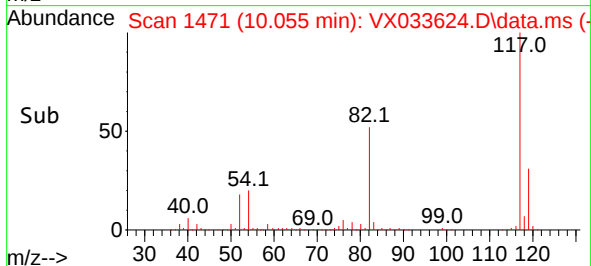
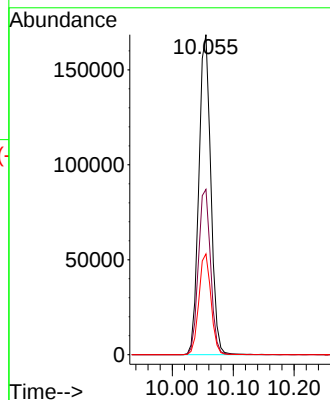
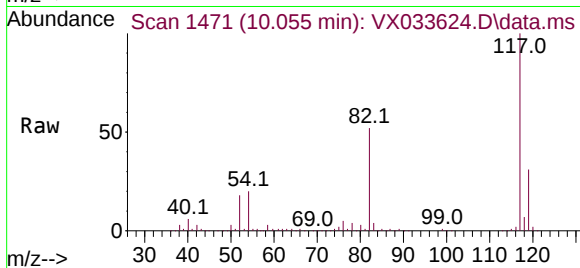




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

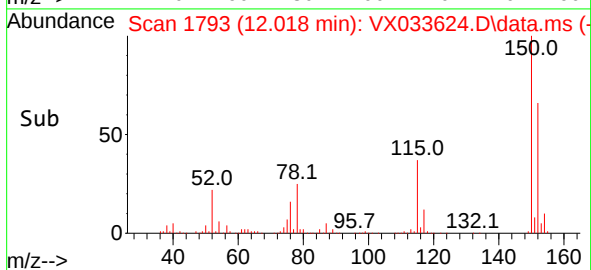
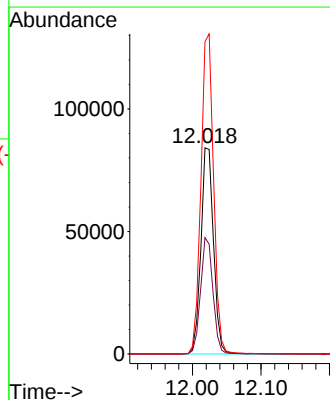
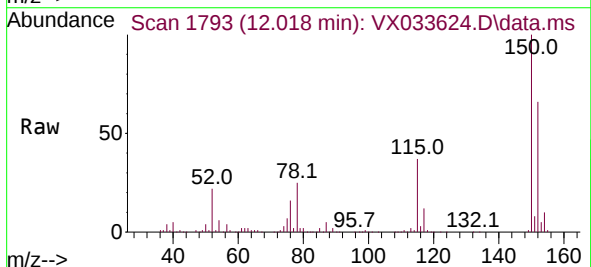
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#01

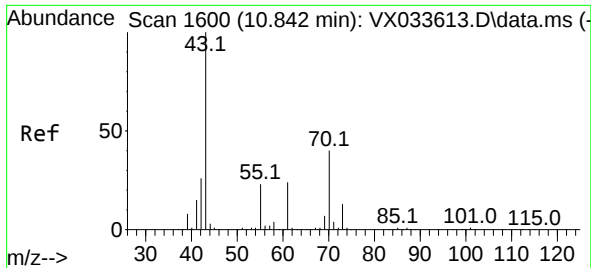
Tgt Ion:117 Resp: 230087
Ion Ratio Lower Upper
117 100
82 51.6 42.2 63.2
119 31.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

Tgt Ion:152 Resp: 107905
Ion Ratio Lower Upper
152 100
115 55.4 38.5 115.5
150 156.0 0.0 340.4

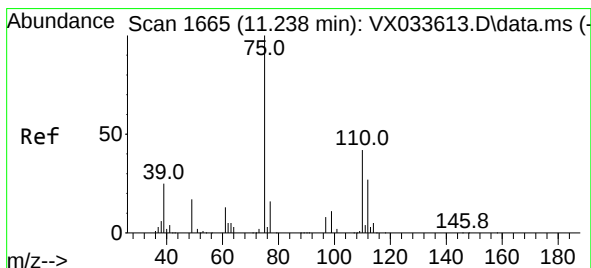
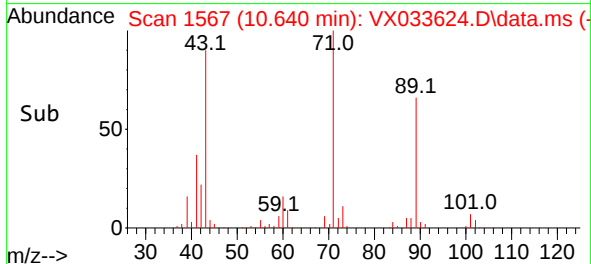
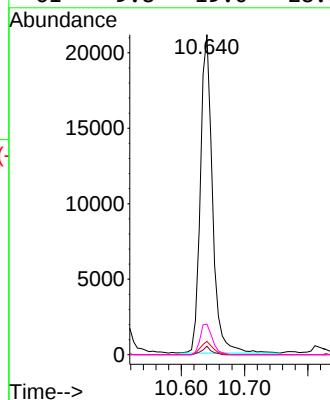
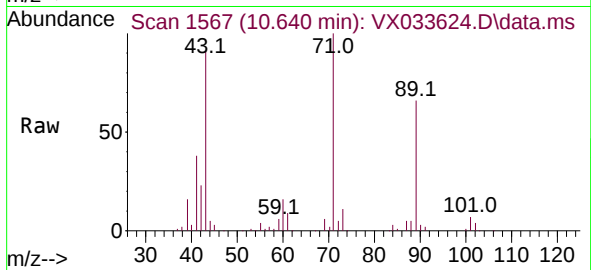




#74
N-amy1 acetate
Concen: 9.101 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

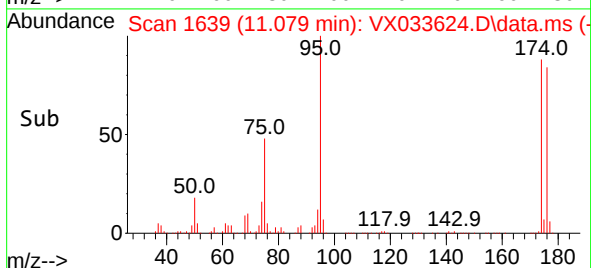
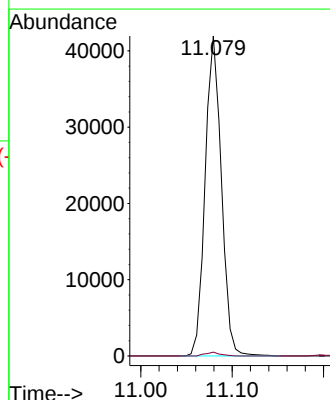
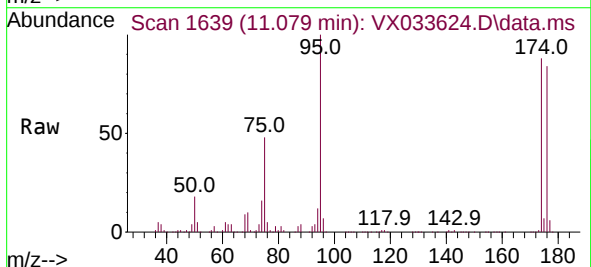
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#01

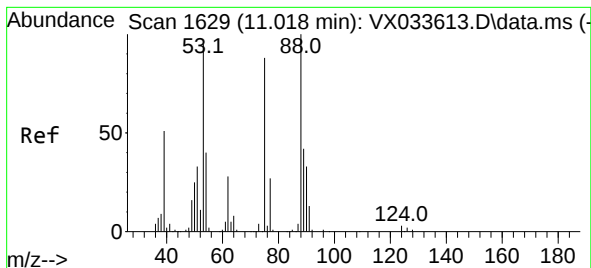
Tgt Ion: 43	Resp: 28102
Ion Ratio	Lower Upper
43	100
70	2.1 33.4 50.0#
55	4.2 18.6 27.8#
61	9.8 19.0 28.6#



#76
1,2,3-Trichloropropane
Concen: 26.066 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

Tgt Ion: 75	Resp: 51529
Ion Ratio	Lower Upper
75	100
77	1.1 21.3 63.9#

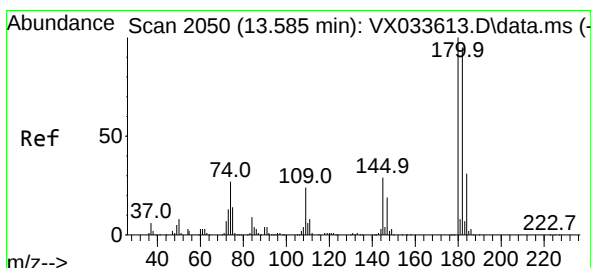
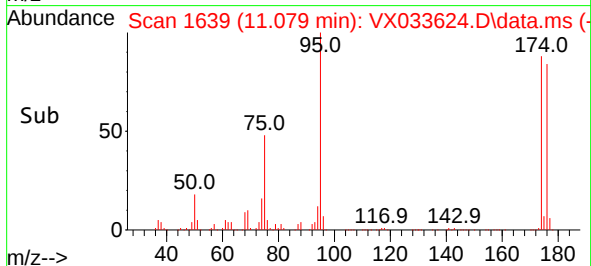
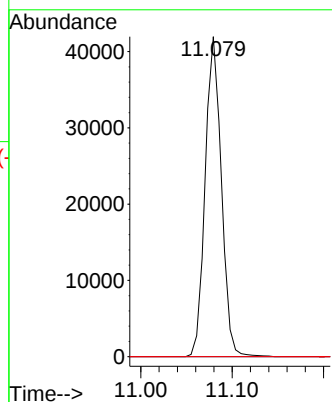
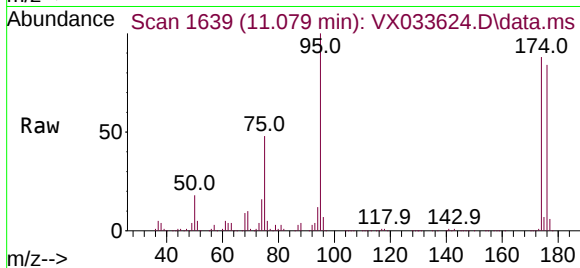




#81
trans-1,4-Dichloro-2-butene
Concen: 79.115 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

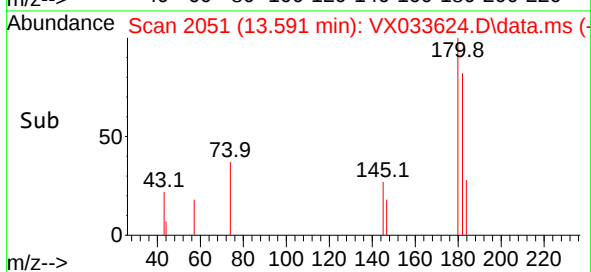
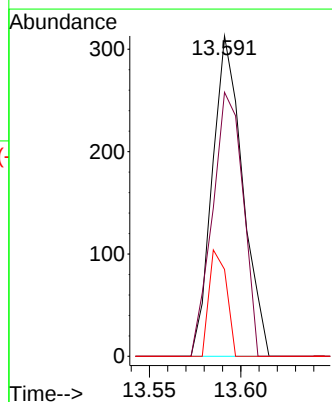
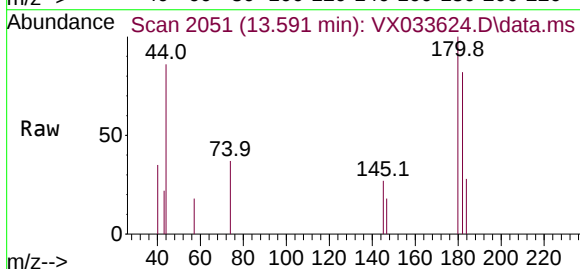
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#01

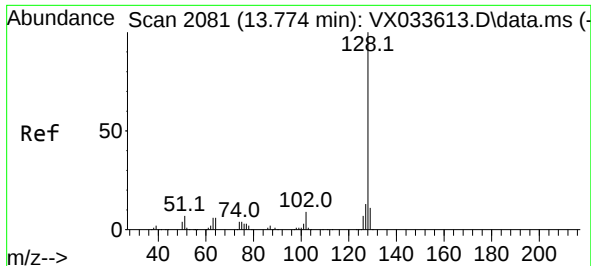
Tgt Ion: 75 Resp: 51529
Ion Ratio Lower Upper
75 100
53 0.0 86.4 129.6#
89 0.0 37.4 56.2#



#93
1,2,4-Trichlorobenzene
Concen: 1.740 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

Tgt Ion:180 Resp: 362
Ion Ratio Lower Upper
180 100
182 82.9 47.4 142.2
145 19.1 14.1 42.2

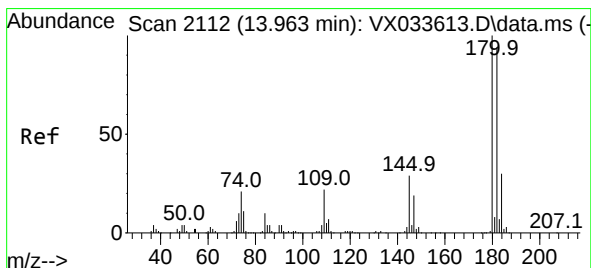
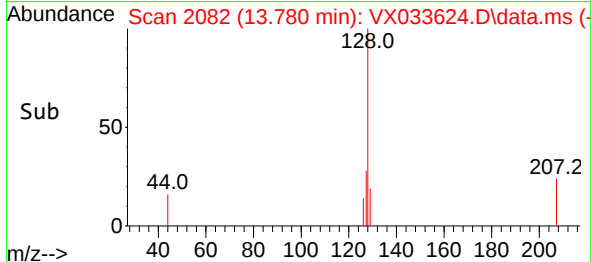
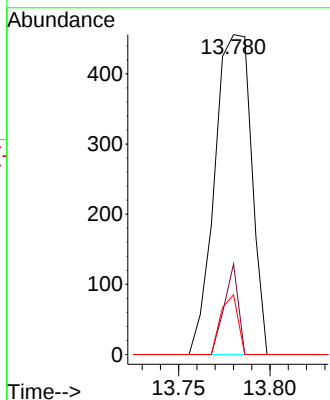
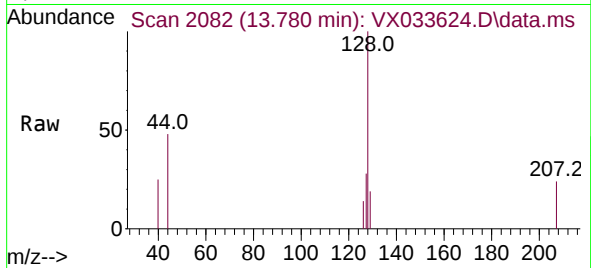




#95
Naphthalene
Concen: 3.196 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#01

Tgt Ion:128 Resp: 637
Ion Ratio Lower Upper
128 100
127 10.8 10.3 15.5
129 8.8 9.0 13.4#



#96
1,2,3-Trichlorobenzene
Concen: 3.828 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX033624.D
Acq: 06 Jan 2023 12:42

Tgt Ion:180 Resp: 213
Ion Ratio Lower Upper
180 100
182 100.0 47.2 141.6
145 17.4 15.0 45.0

