

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033633.D
 Acq On : 06 Jan 2023 16:11
 Operator : JC/MD
 Sample : PB050057ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

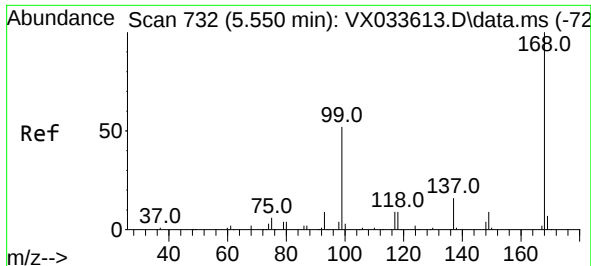
Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#10

Quant Time: Jan 07 04:26:18 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	5.556	168	168777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246906	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94013	49.344	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.680%		
35) Dibromofluoromethane	5.391	113	77327	47.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.300%		
50) Toluene-d8	8.647	98	289434	49.897	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.800%		
62) 4-Bromofluorobenzene	11.079	95	103301	50.242	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.480%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	590	0.344	ug/l #	42
14) Allyl chloride	2.672	41	572	0.217	ug/l #	25
16) Acetone	2.392	43	28016	31.663	ug/l	93
17) Carbon Disulfide	2.514	76	226	1.683	ug/l #	74
18) Methyl Acetate	2.709	43	2162	0.819	ug/l	97
20) Methylene Chloride	2.788	84	5197	1.083	ug/l	91
25) 2-Butanone	4.574	43	7362	5.918	ug/l	100
29) Tetrahydrofuran	5.032	42	1090	1.381	ug/l #	63
31) Cyclohexane	5.556	56	3079	1.161	ug/l #	21
36) 1,1-Dichloropropene	5.550	75	11161	5.077	ug/l #	45
37) Ethyl Acetate	4.721	43	24562	8.312	ug/l	99
38) Carbon Tetrachloride	5.550	117	15919	6.843	ug/l #	15
41) Methacrylonitrile	5.032	41	469	0.351	ug/l #	42
43) Isopropyl Acetate	6.342	43	106865	28.433	ug/l	99
48) Methyl methacrylate	7.793	41	96081	50.502	ug/l #	44
49) 1,4-Dioxane	7.793	88	183	4.522	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	86624	36.414	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	752	0.423	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37876	15.242	ug/l #	61
56) Ethyl methacrylate	9.244	69	672	0.272	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5213	1.841	ug/l #	42
59) 2-Hexanone	9.482	43	72023	40.985	ug/l #	51
74) N-amyl acetate	10.640	43	27241	12.159	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	51813	36.123	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	51813	109.639	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	49	1.621	ug/l #	54
95) Naphthalene	13.786	128	247	3.160	ug/l #	69

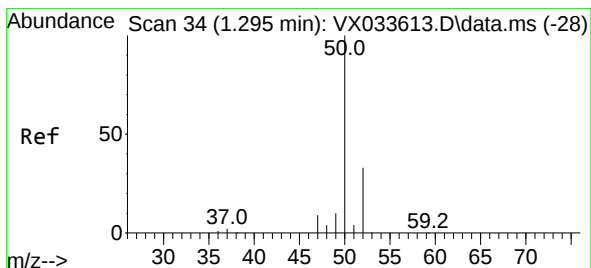
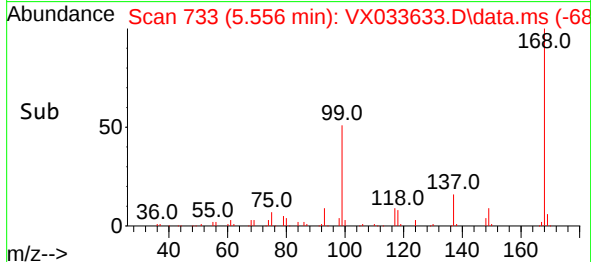
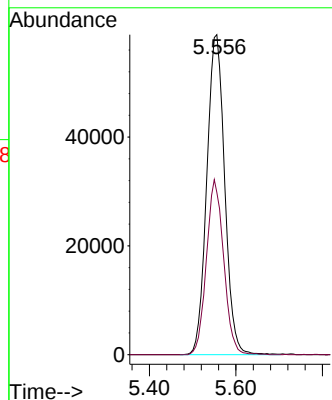
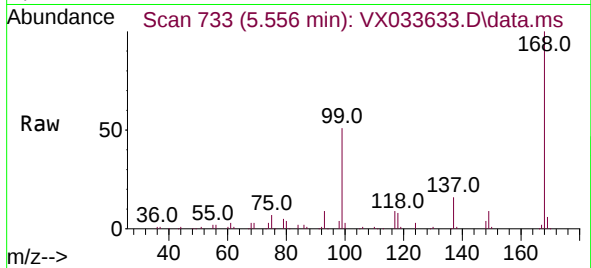
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

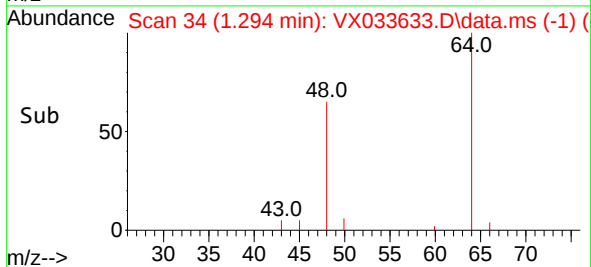
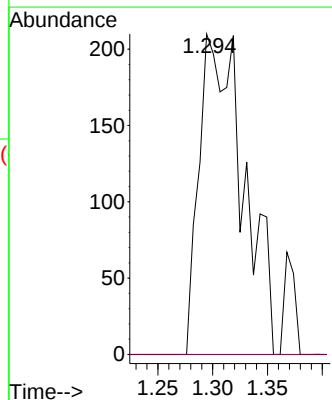
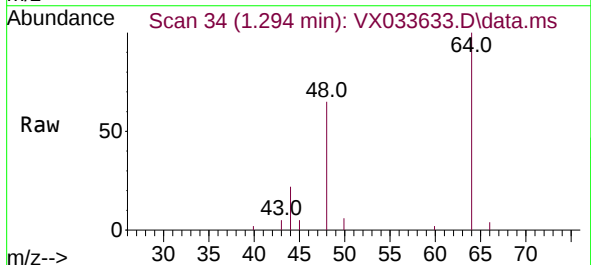
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#10

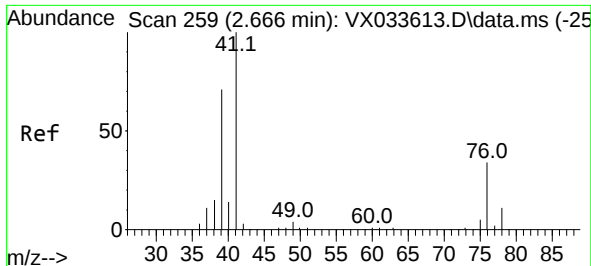
Tgt Ion:168 Resp: 168777
Ion Ratio Lower Upper
168 100
99 50.7 41.4 62.2



#3
Chloromethane
Concen: 0.344 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

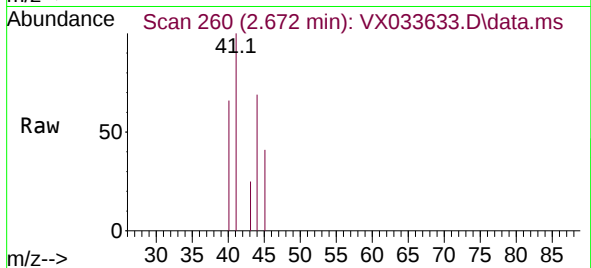
Tgt Ion: 50 Resp: 590
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#



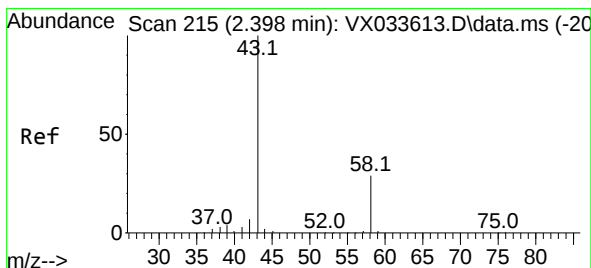
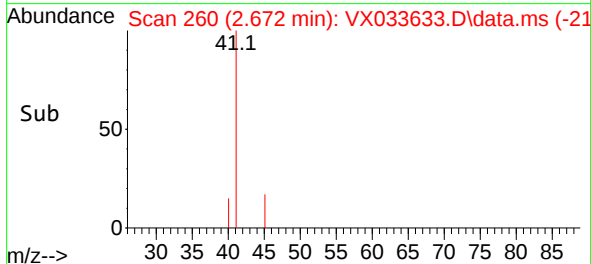
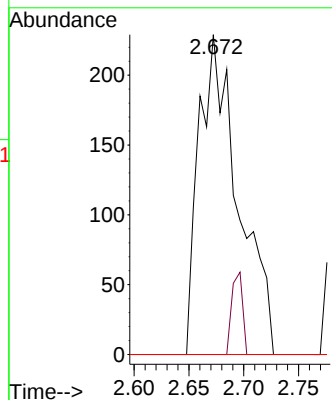


#14
 Allyl chloride
 Concen: 0.217 ug/l
 RT: 2.672 min Scan# 214
 Delta R.T. 0.006 min
 Lab File: VX033633.D
 Acq: 06 Jan 2023 16:11

Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#10

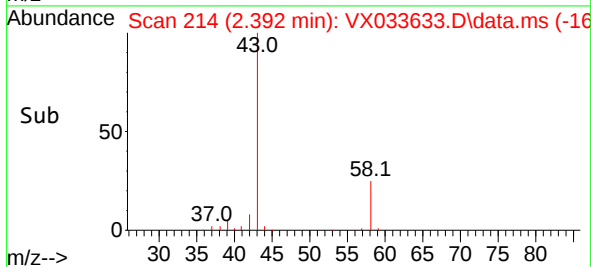
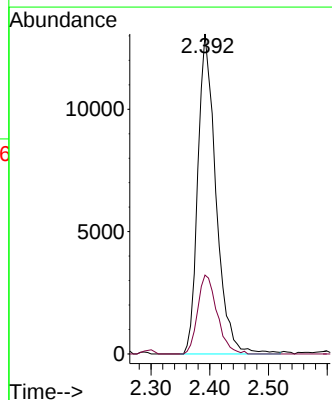
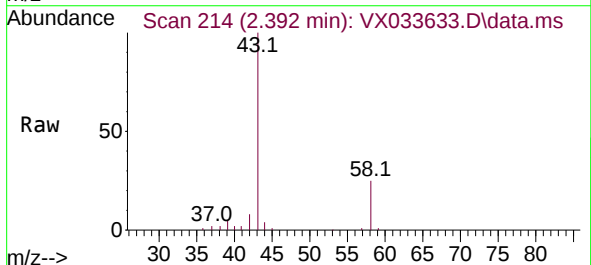


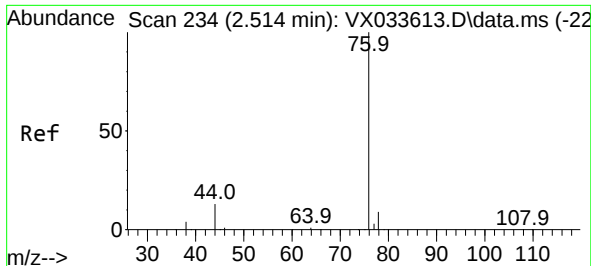
Tgt Ion: 41 Resp: 572
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.3 79.9#
 76 0.0 25.0 37.4#



#16
 Acetone
 Concen: 31.663 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: VX033633.D
 Acq: 06 Jan 2023 16:11

Tgt Ion: 43 Resp: 28016
 Ion Ratio Lower Upper
 43 100
 58 24.6 22.9 34.3





#17

Carbon Disulfide

Concen: 1.683 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033633.D

Acq: 06 Jan 2023 16:11

Instrument :

MSVOA_X

ClientSampleId :

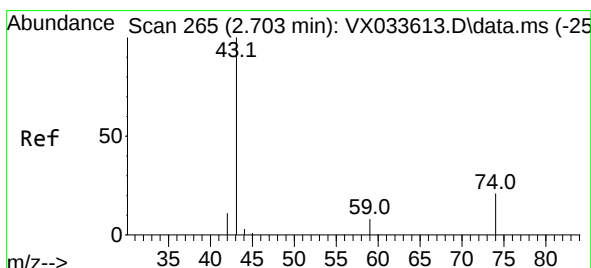
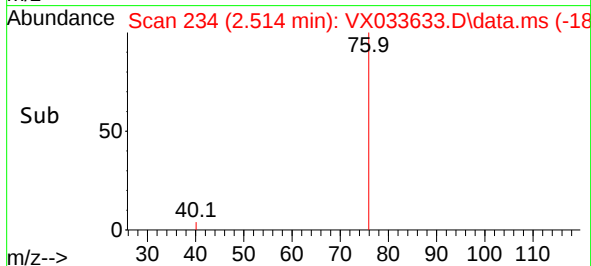
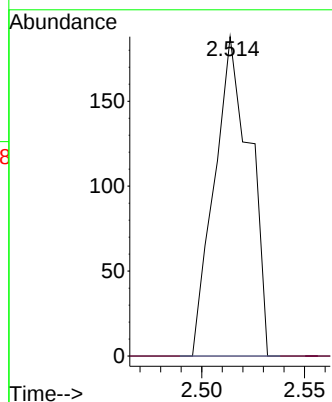
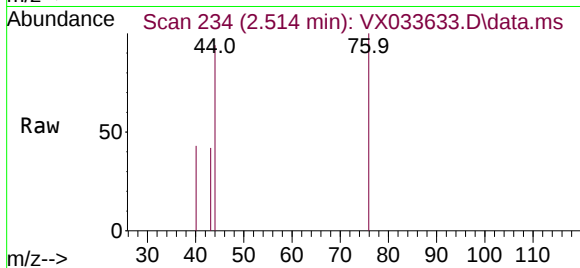
PB050057ZHE#10

Tgt Ion: 76 Resp: 226

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#



#18

Methyl Acetate

Concen: 0.819 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX033633.D

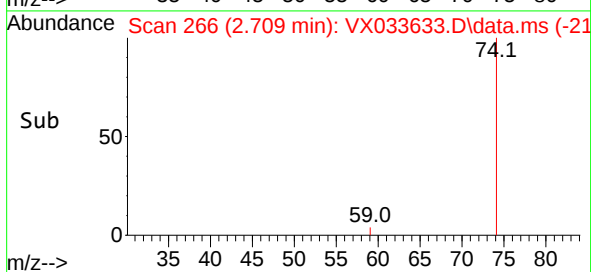
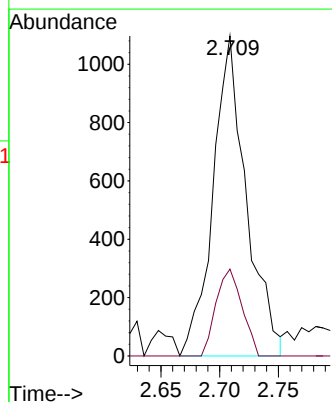
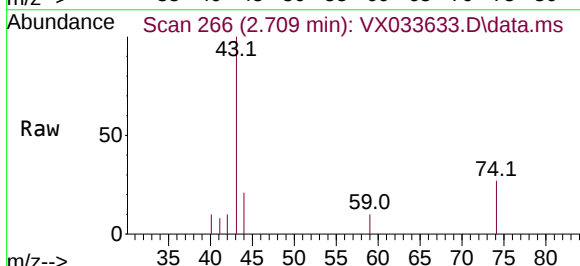
Acq: 06 Jan 2023 16:11

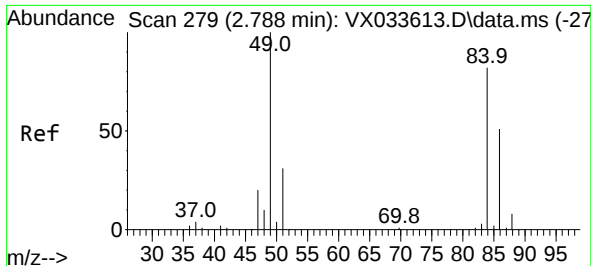
Tgt Ion: 43 Resp: 2162

Ion Ratio Lower Upper

43 100

74 21.1 17.9 26.9

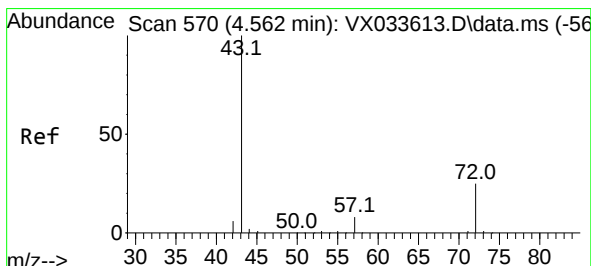
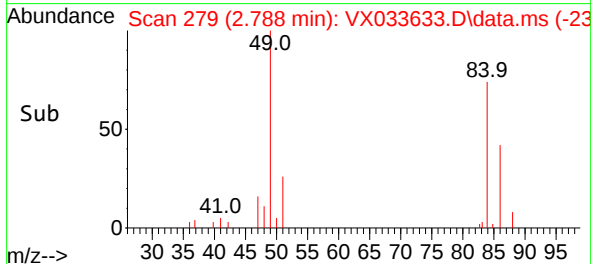
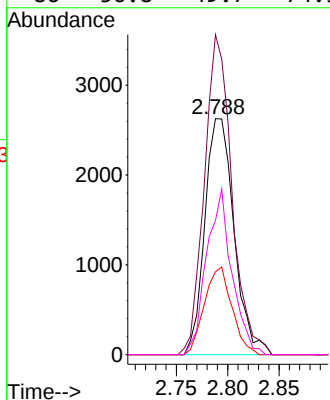
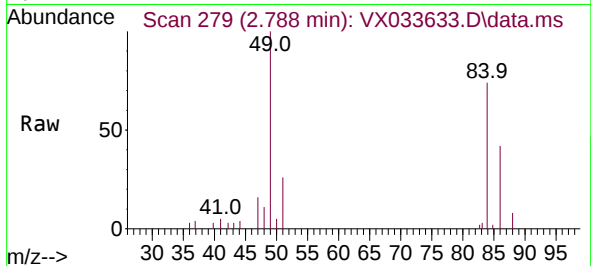




#20
Methylene Chloride
Concen: 1.083 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

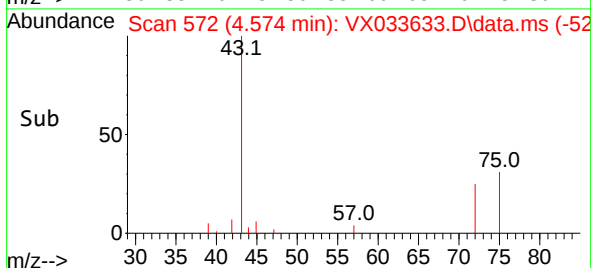
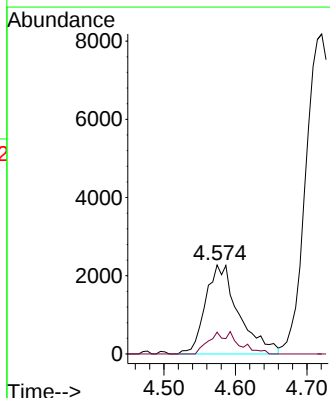
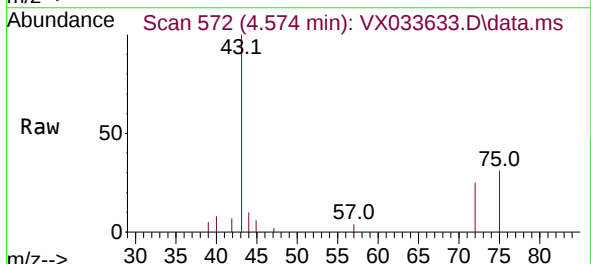
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#10

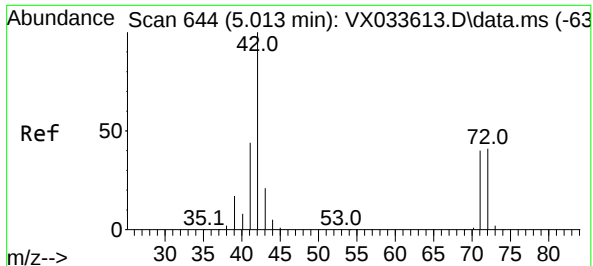
Tgt Ion:	84	Resp:	5197
Ion	Ratio	Lower	Upper
84	100		
49	135.6	97.6	146.4
51	35.1	30.4	45.6
86	56.8	49.7	74.5



#25
2-Butanone
Concen: 5.918 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

Tgt Ion:	43	Resp:	7362
Ion	Ratio	Lower	Upper
43	100		
72	24.5	19.8	29.6





#29

Tetrahydrofuran

Concen: 1.381 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX033633.D

Acq: 06 Jan 2023 16:11

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#10

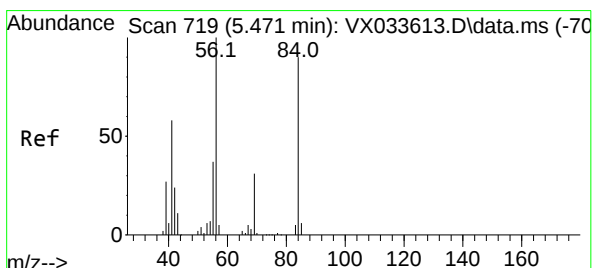
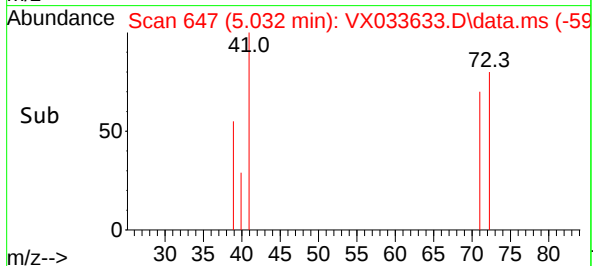
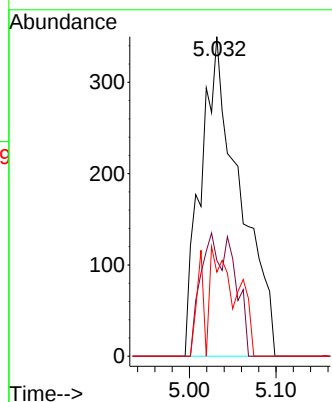
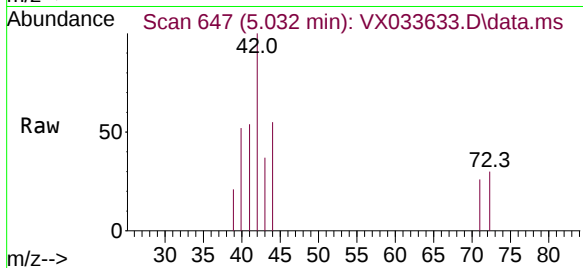
Tgt Ion: 42 Resp: 1090

Ion Ratio Lower Upper

42 100

72 20.2 34.2 51.4#

71 15.4 31.4 47.0#



#31

Cyclohexane

Concen: 1.161 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX033633.D

Acq: 06 Jan 2023 16:11

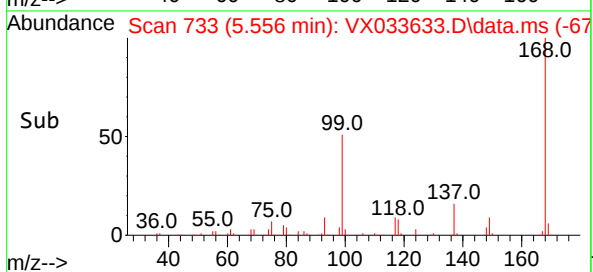
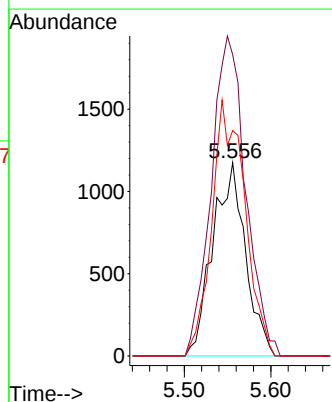
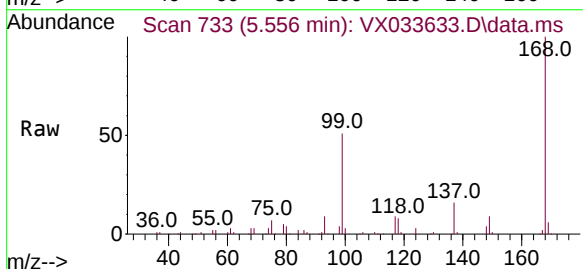
Tgt Ion: 56 Resp: 3079

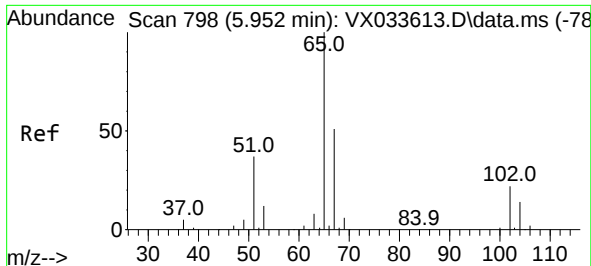
Ion Ratio Lower Upper

56 100

69 155.7 24.6 36.8#

84 116.6 72.2 108.2#





#33

1,2-Dichloroethane-d4

Concen: 49.344 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX033633.D

Acq: 06 Jan 2023 16:11

Instrument :

MSVOA_X

ClientSampleId :

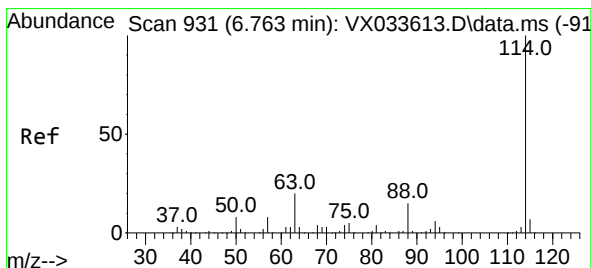
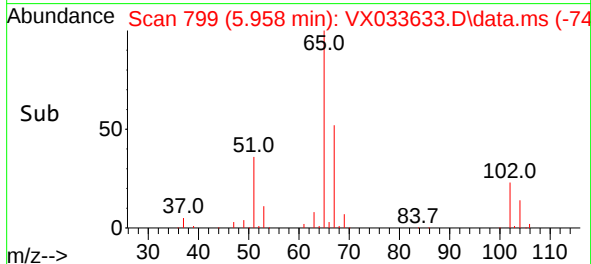
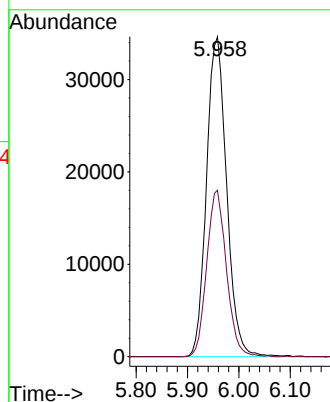
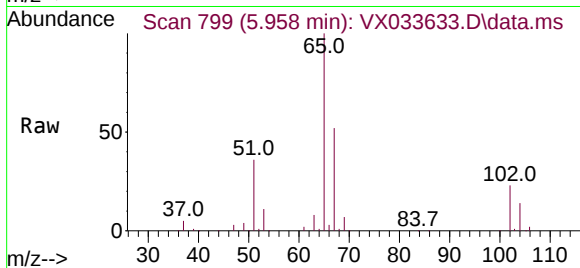
PB050057ZHE#10

Tgt Ion: 65 Resp: 94013

Ion Ratio Lower Upper

65 100

67 51.0 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: VX033633.D

Acq: 06 Jan 2023 16:11

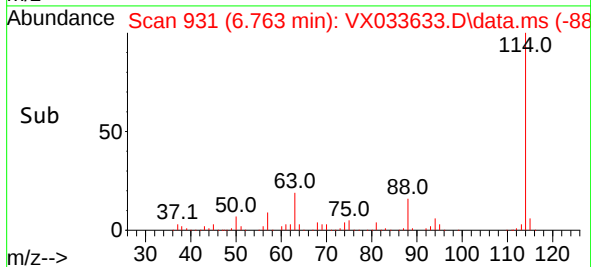
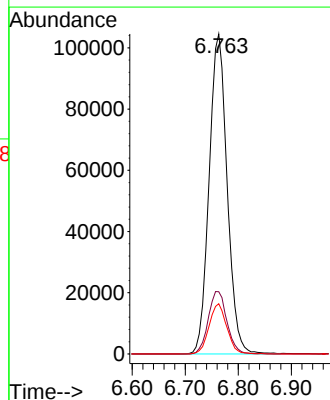
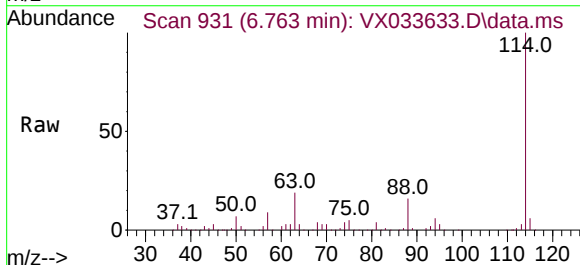
Tgt Ion: 114 Resp: 246906

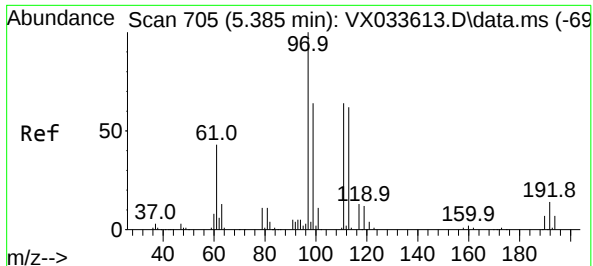
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 47.648 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX033633.D

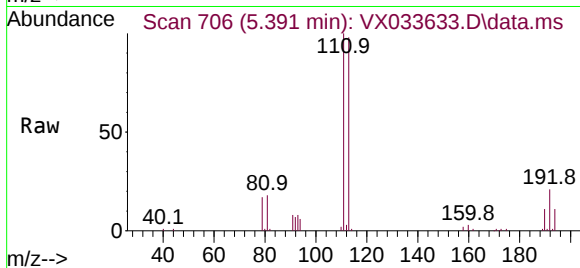
Acq: 06 Jan 2023 16:11

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#10



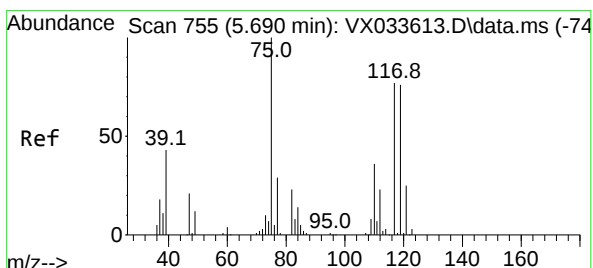
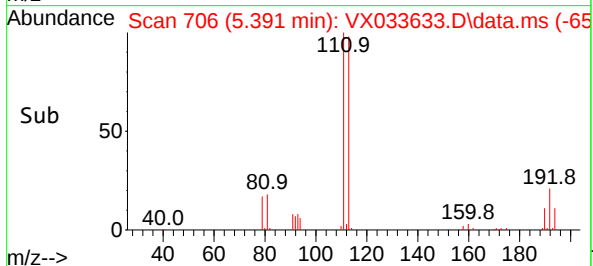
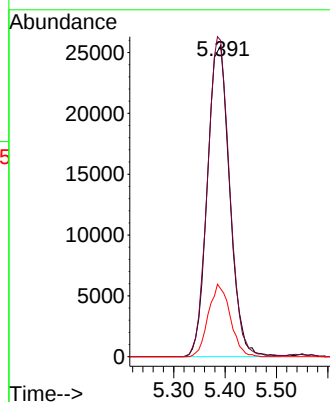
Tgt Ion:113 Resp: 77327

Ion Ratio Lower Upper

113 100

111 101.6 81.2 121.8

192 22.8 18.2 27.2



#36

1,1-Dichloropropene

Concen: 5.077 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX033633.D

Acq: 06 Jan 2023 16:11

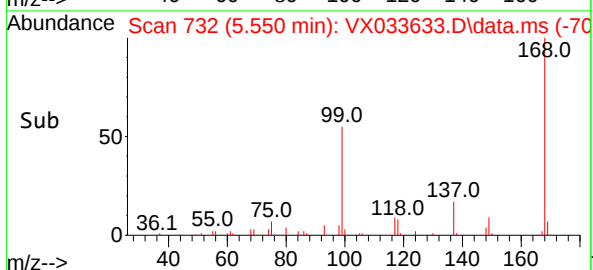
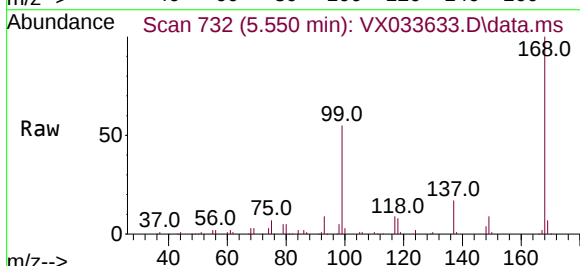
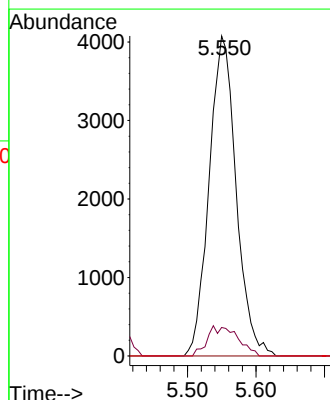
Tgt Ion: 75 Resp: 11161

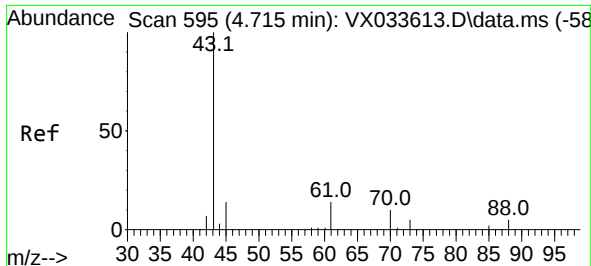
Ion Ratio Lower Upper

75 100

110 4.1 18.0 54.0#

77 0.0 24.5 36.7#

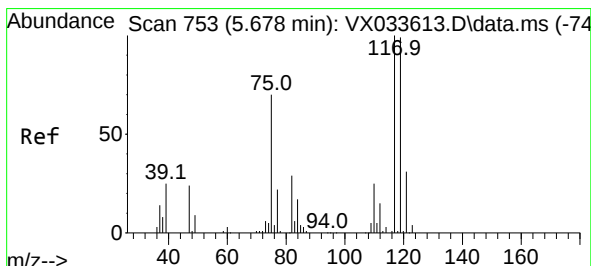
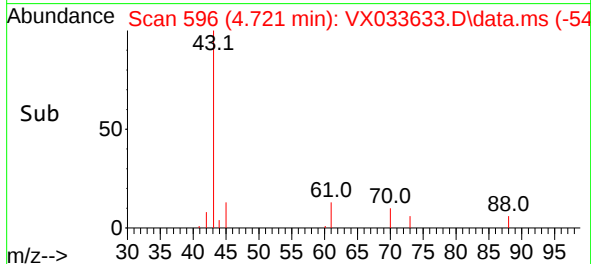
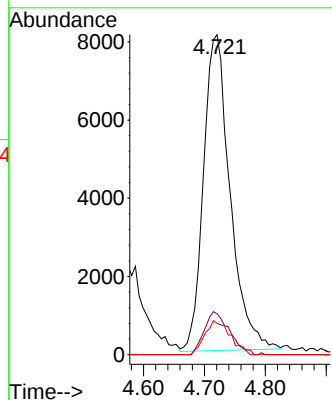
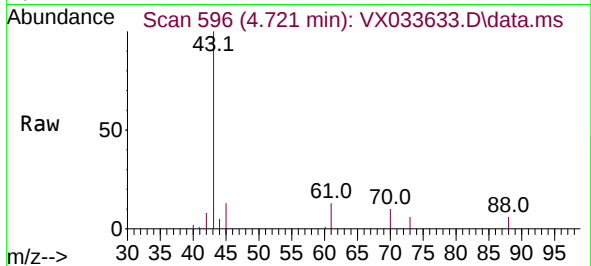




#37
Ethyl Acetate
Concen: 8.312 ug/l
RT: 4.721 min Scan# 595
Delta R.T. 0.006 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

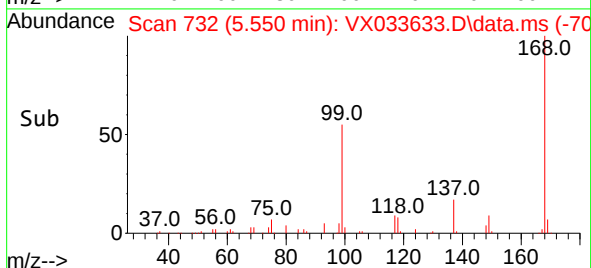
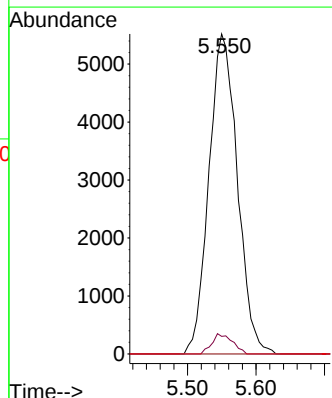
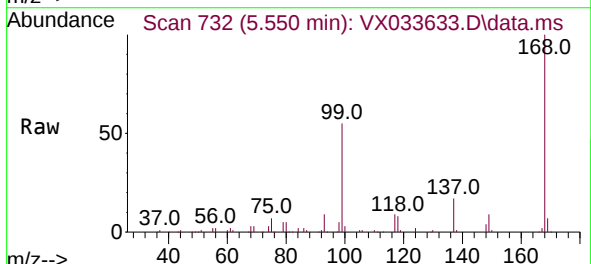
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#10

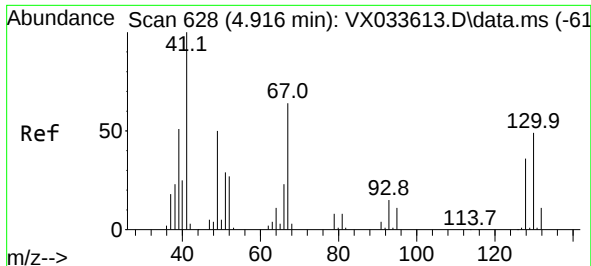
Tgt Ion:	43	Resp:	24562
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.6	16.0
70	10.3	8.1	12.1



#38
Carbon Tetrachloride
Concen: 6.843 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

Tgt Ion:	117	Resp:	15919
Ion	Ratio	Lower	Upper
117	100		
119	5.5	78.8	118.2#
121	0.0	24.9	37.3#

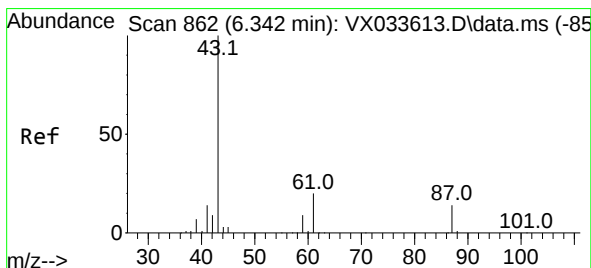
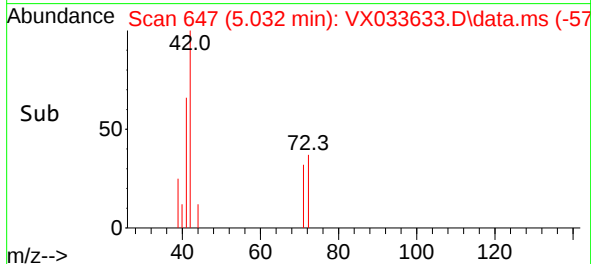
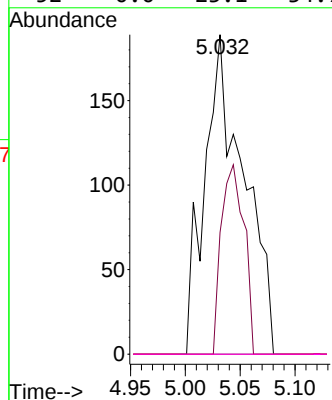
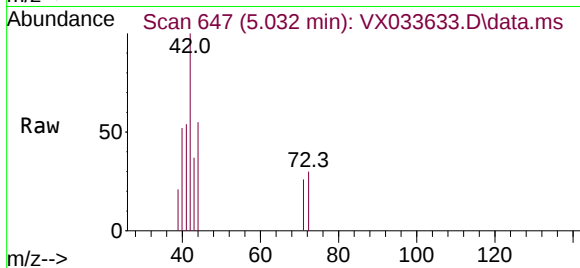




#41
Methacrylonitrile
Concen: 0.351 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

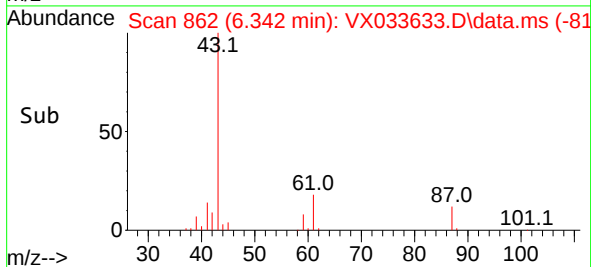
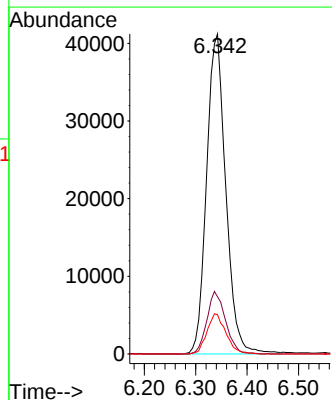
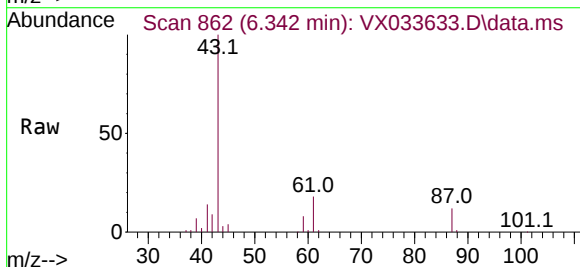
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#10

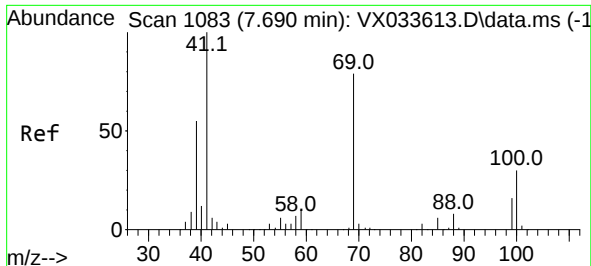
Tgt Ion: 41	Resp: 469
Ion Ratio	Lower Upper
41 100	
39 34.5	44.1 66.1#
67 0.0	53.8 80.6#
52 0.0	23.1 34.7#



#43
Isopropyl Acetate
Concen: 28.433 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

Tgt Ion: 43	Resp: 106865
Ion Ratio	Lower Upper
43 100	
61 19.0	15.2 22.8
87 12.4	10.6 16.0





#48

Methyl methacrylate

Concen: 50.502 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX033633.D

Acq: 06 Jan 2023 16:11

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#10

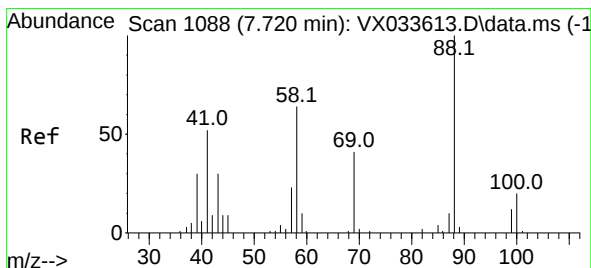
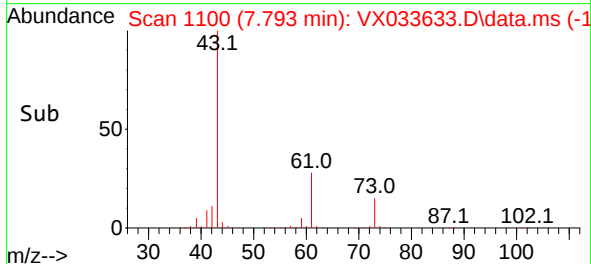
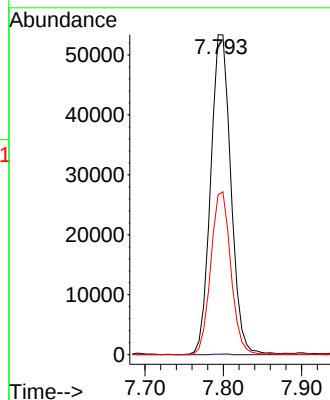
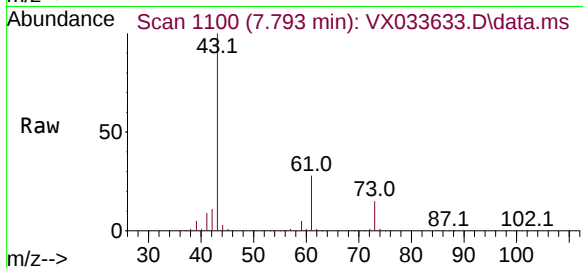
Tgt Ion: 41 Resp: 96081

Ion Ratio Lower Upper

41 100

69 0.1 63.1 94.7#

39 50.3 44.8 67.2



#49

1,4-Dioxane

Concen: 4.522 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.073 min

Lab File: VX033633.D

Acq: 06 Jan 2023 16:11

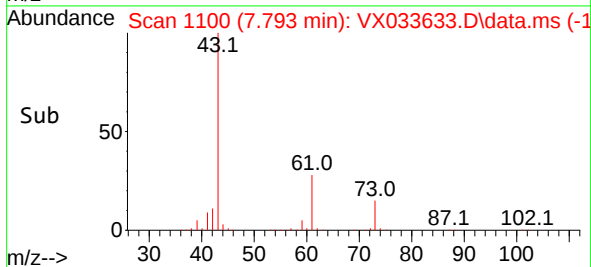
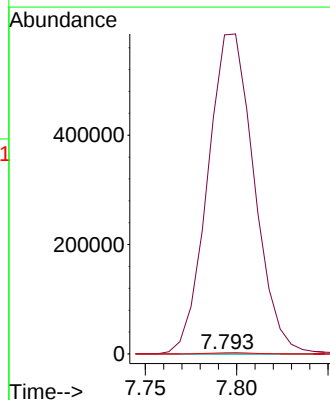
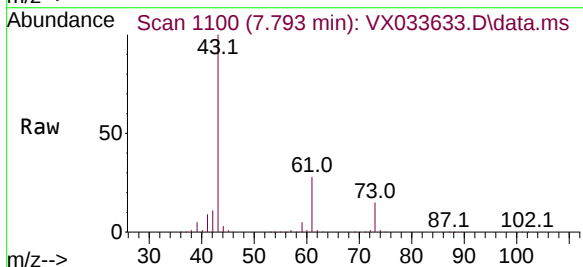
Tgt Ion: 88 Resp: 183

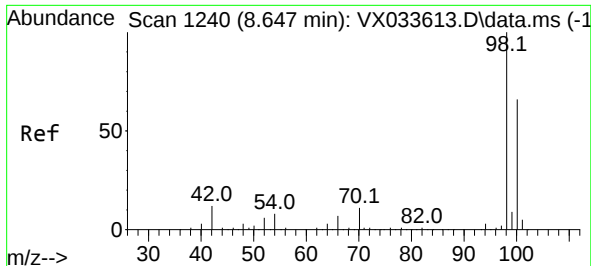
Ion Ratio Lower Upper

88 100

43 569948.6 24.1 36.1#

58 2225.7 57.1 85.7#

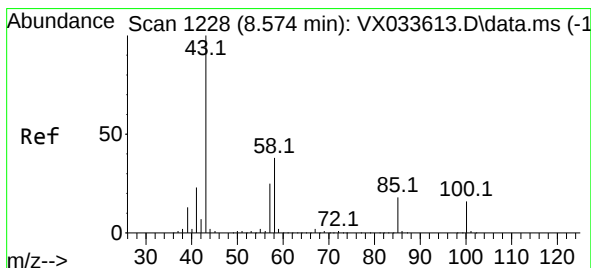
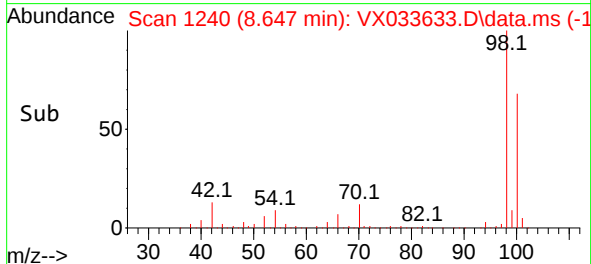
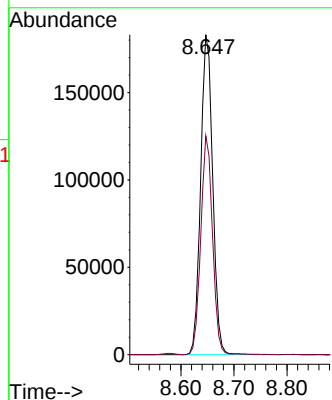
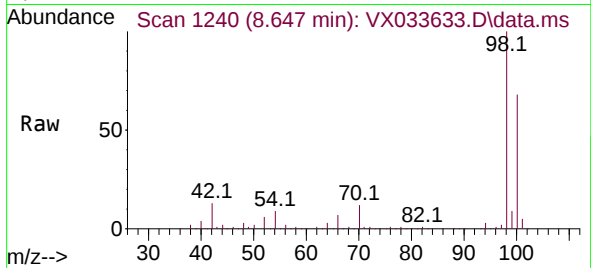




#50
Toluene-d8
Concen: 49.897 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

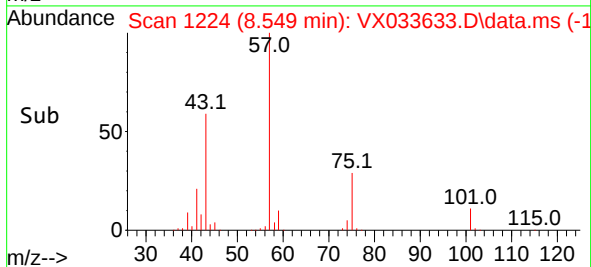
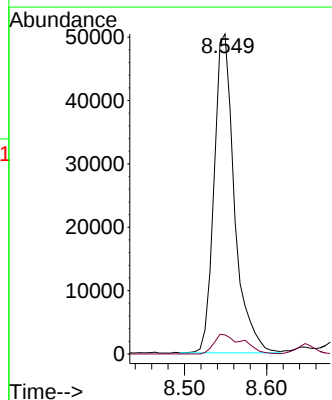
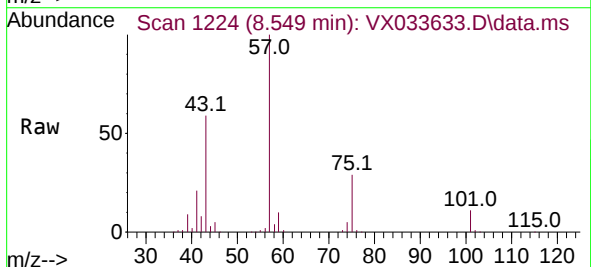
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#10

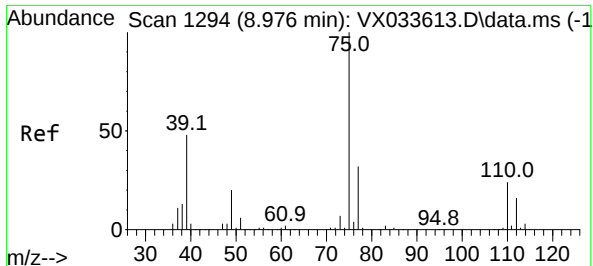
Tgt Ion: 98 Resp: 289434
Ion Ratio Lower Upper
98 100
100 66.7 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 36.414 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

Tgt Ion: 43 Resp: 86624
Ion Ratio Lower Upper
43 100
58 8.9 30.5 45.7#





#53

t-1,3-Dichloropropene

Concen: 0.423 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033633.D

Acq: 06 Jan 2023 16:11

Instrument :

MSVOA_X

ClientSampleId :

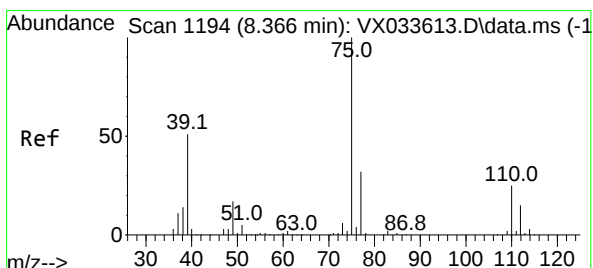
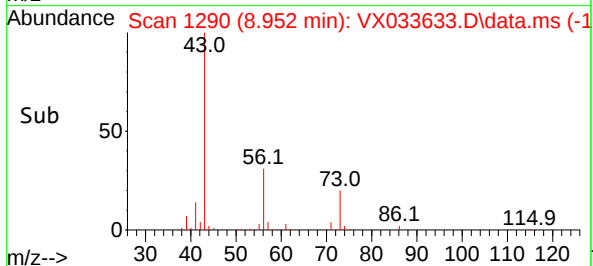
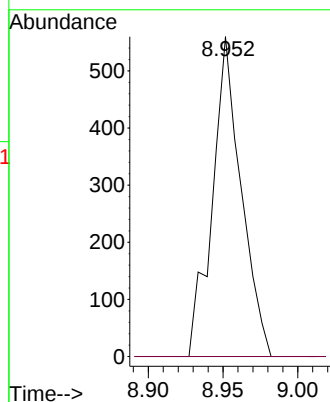
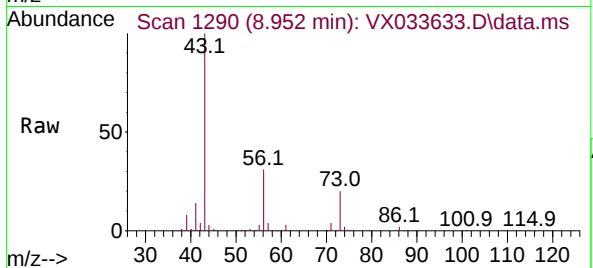
PB050057ZHE#10

Tgt Ion: 75 Resp: 752

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#



#54

cis-1,3-Dichloropropene

Concen: 15.242 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033633.D

Acq: 06 Jan 2023 16:11

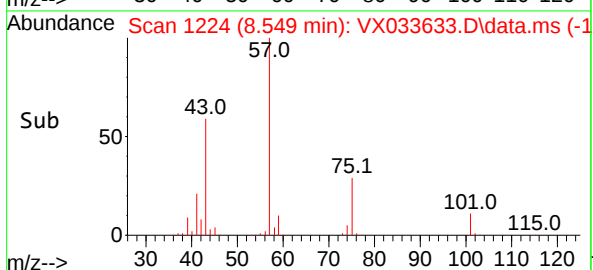
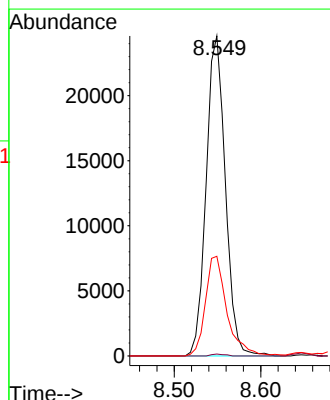
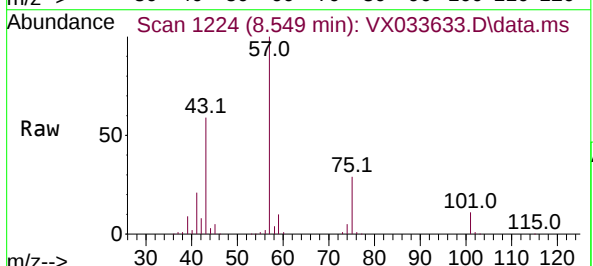
Tgt Ion: 75 Resp: 37876

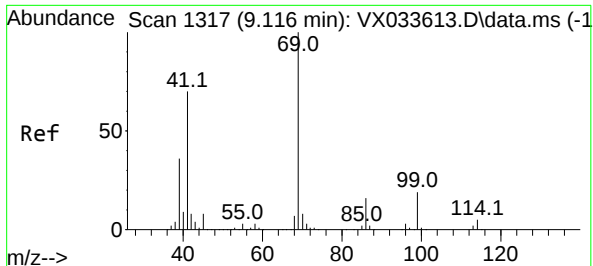
Ion Ratio Lower Upper

75 100

77 0.6 25.5 38.3#

39 31.1 40.6 61.0#





#56

Ethyl methacrylate

Concen: 0.272 ug/l

RT: 9.244 min Scan# 1

Delta R.T. 0.128 min

Lab File: VX033633.D

Acq: 06 Jan 2023 16:11

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#10

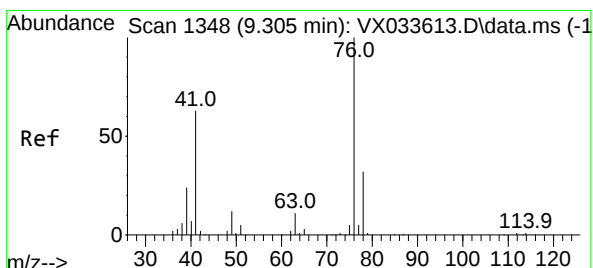
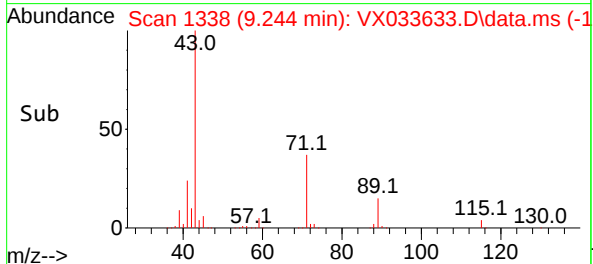
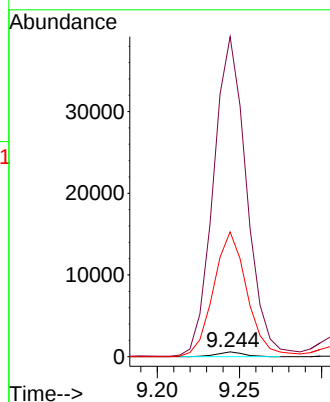
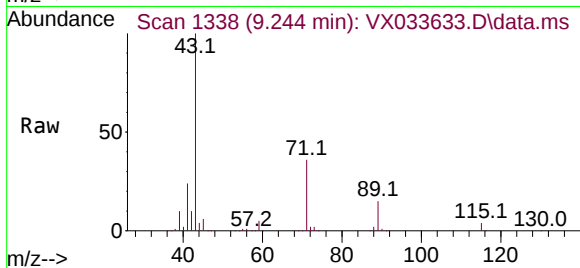
Tgt Ion: 69 Resp: 672

Ion Ratio Lower Upper

69 100

41 8178.4 56.6 84.8#

39 3244.5 29.4 44.0#



#57

1,3-Dichloropropane

Concen: 1.841 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033633.D

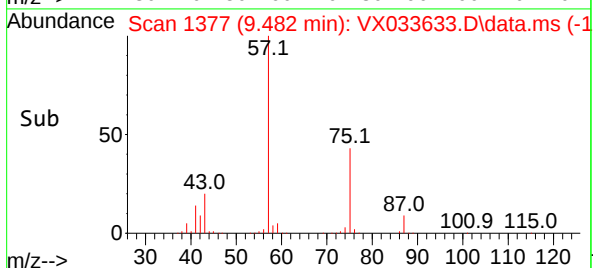
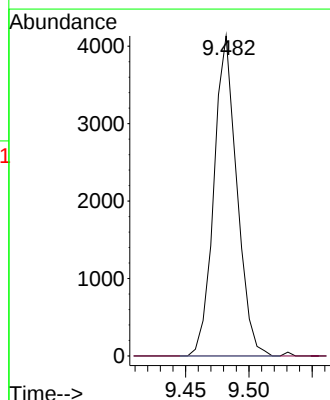
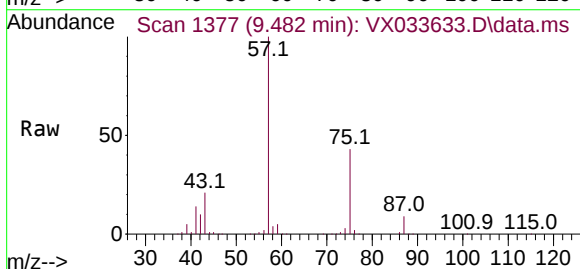
Acq: 06 Jan 2023 16:11

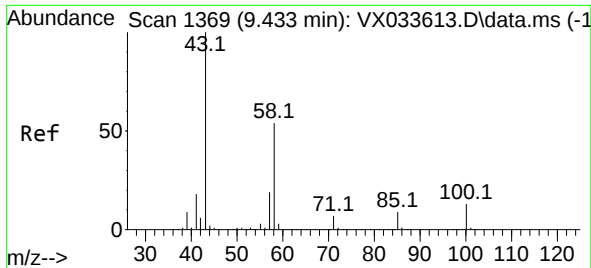
Tgt Ion: 76 Resp: 5213

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#

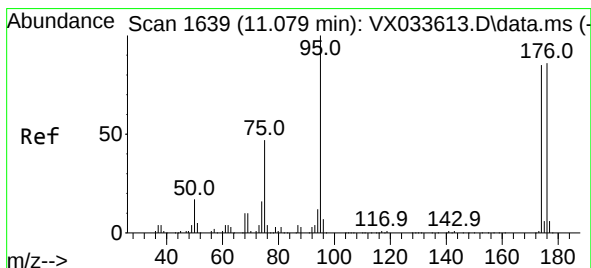
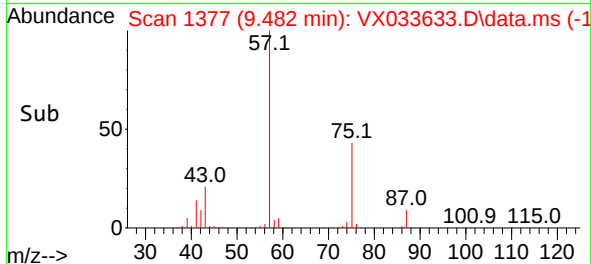
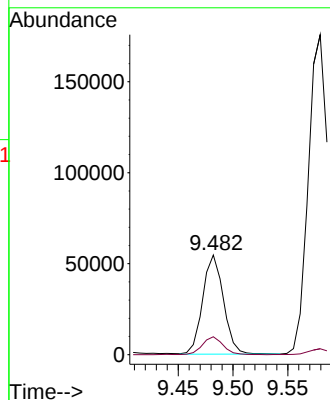
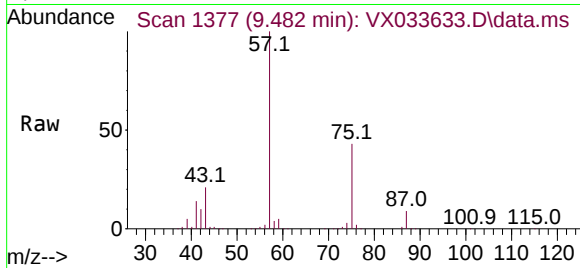




#59
2-Hexanone
Concen: 40.985 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

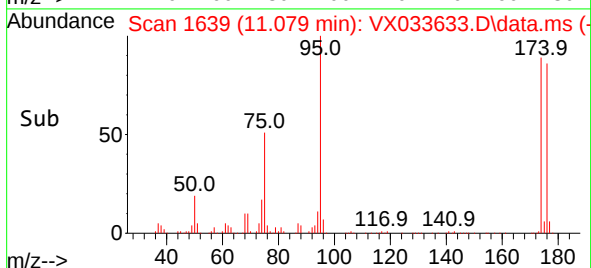
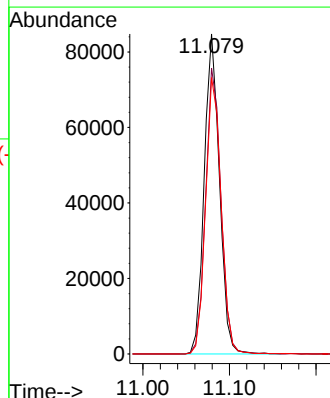
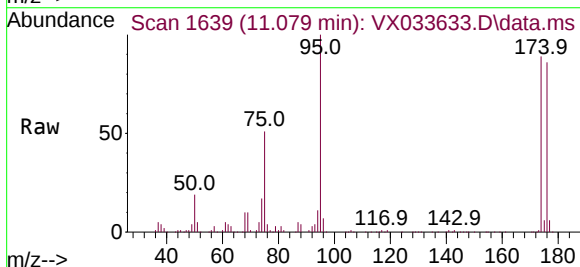
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#10

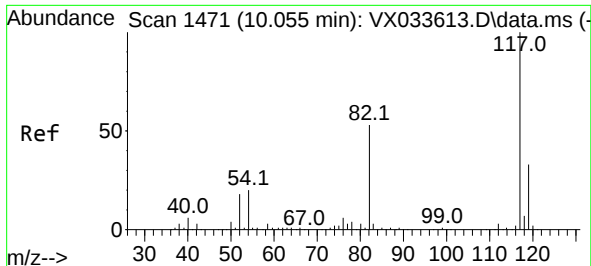
Tgt Ion: 43 Resp: 72023
Ion Ratio Lower Upper
43 100
58 18.3 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 50.242 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

Tgt Ion: 95 Resp: 103301
Ion Ratio Lower Upper
95 100
174 90.6 0.0 180.4
176 88.3 0.0 176.2

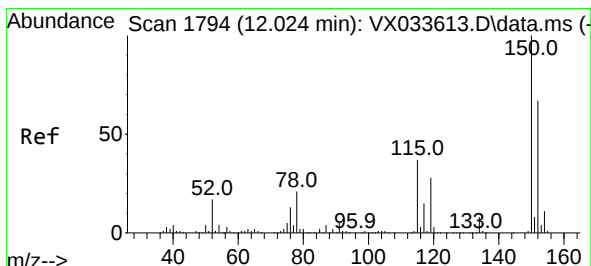
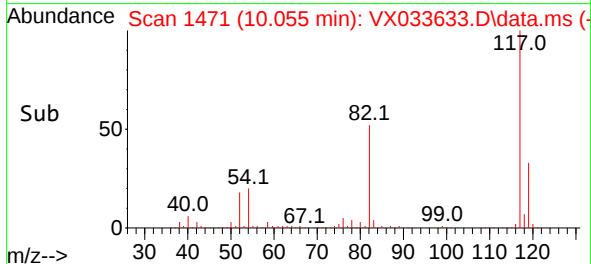
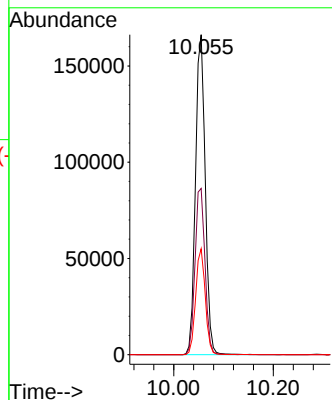
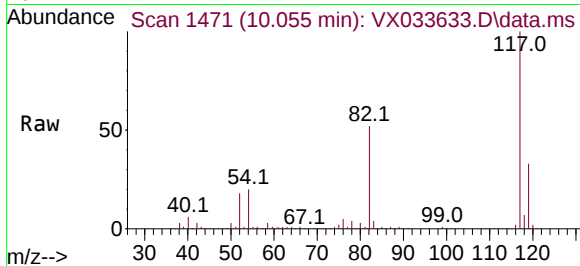




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

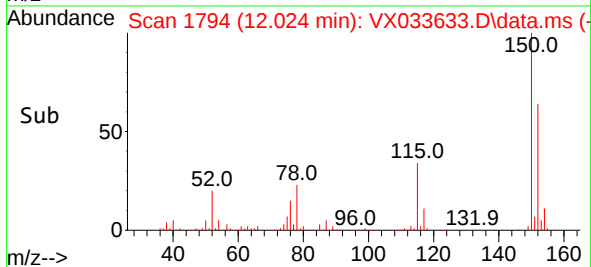
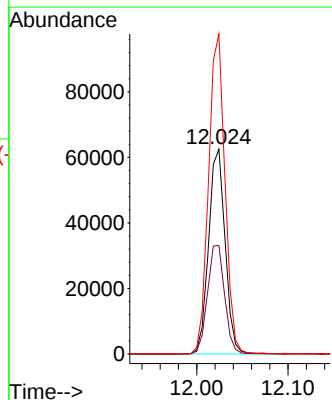
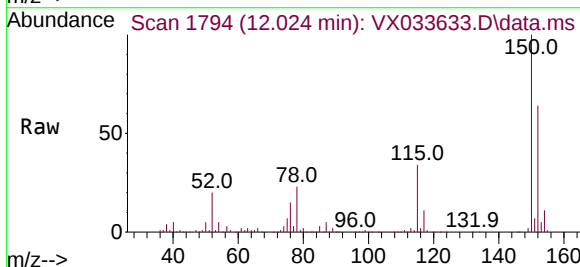
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#10

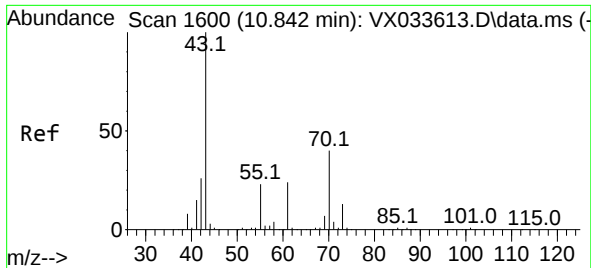
Tgt Ion:117 Resp: 225435
Ion Ratio Lower Upper
117 100
82 51.9 42.2 63.2
119 33.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

Tgt Ion:152 Resp: 78293
Ion Ratio Lower Upper
152 100
115 55.0 38.5 115.5
150 155.2 0.0 340.4

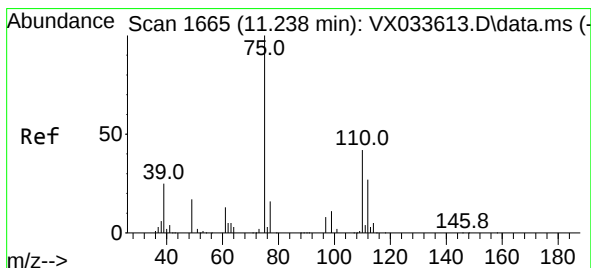
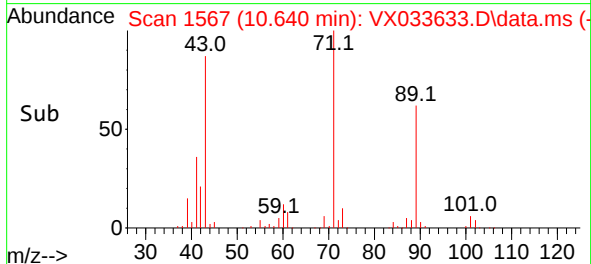
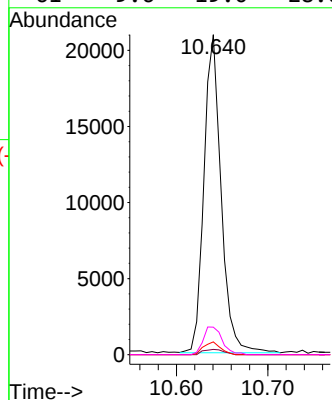
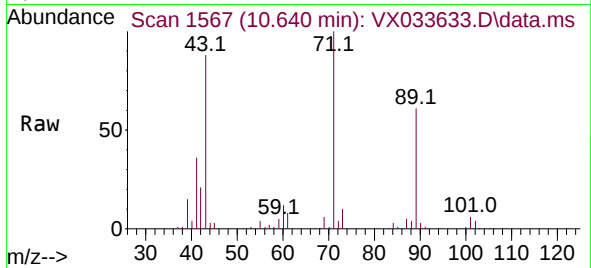




#74
N-amy1 acetate
Concen: 12.159 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

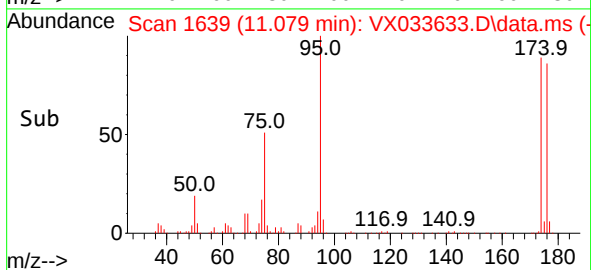
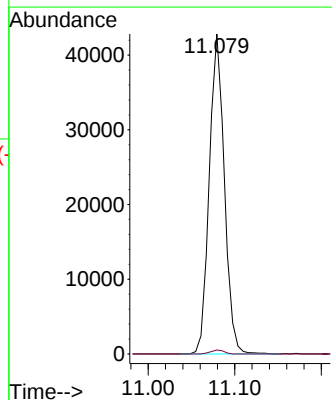
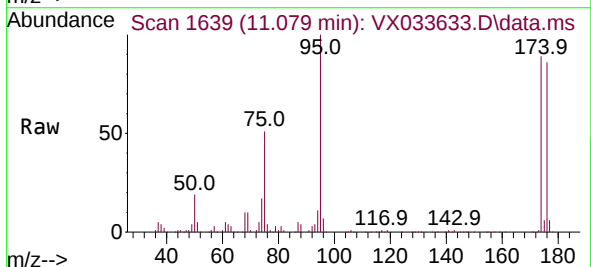
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#10

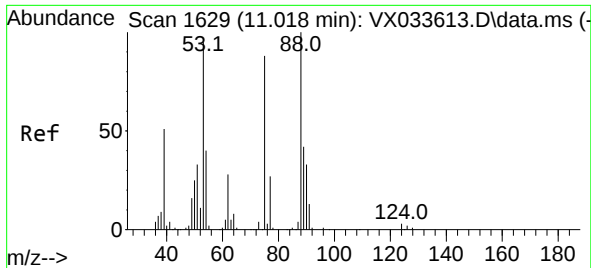
Tgt Ion: 43	Resp: 27241
Ion Ratio	Lower Upper
43	100
70	2.0 33.4 50.0#
55	4.0 18.6 27.8#
61	9.6 19.0 28.6#



#76
1,2,3-Trichloropropane
Concen: 36.123 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

Tgt Ion: 75	Resp: 51813
Ion Ratio	Lower Upper
75	100
77	1.1 21.3 63.9#

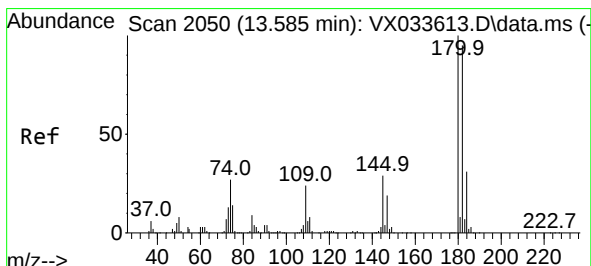
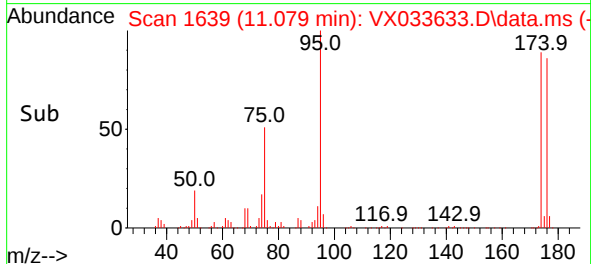
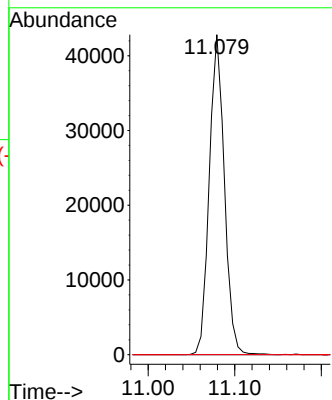
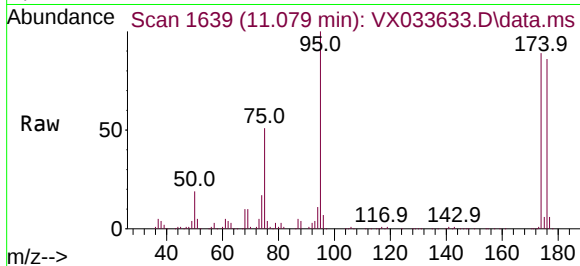




#81
trans-1,4-Dichloro-2-butene
Concen: 109.639 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

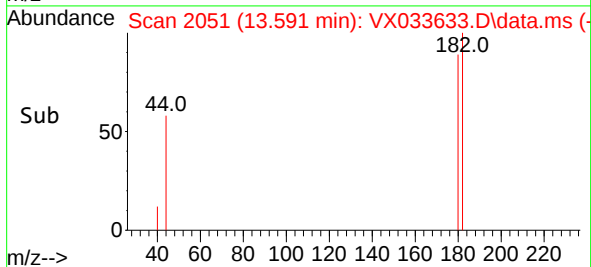
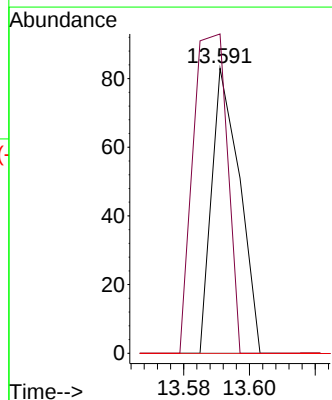
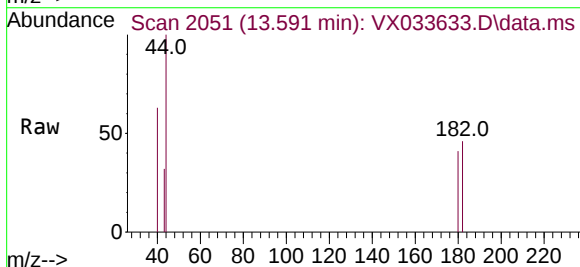
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#10

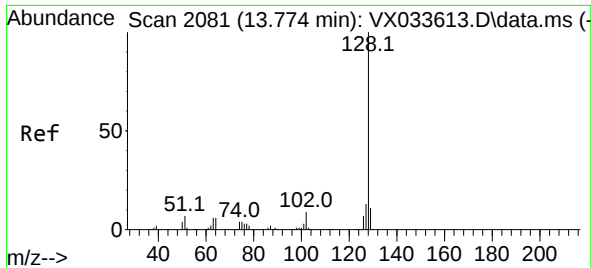
Tgt Ion: 75 Resp: 51813
Ion Ratio Lower Upper
75 100
53 0.0 86.4 129.6#
89 0.0 37.4 56.2#



#93
1,2,4-Trichlorobenzene
Concen: 1.621 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX033633.D
Acq: 06 Jan 2023 16:11

Tgt Ion:180 Resp: 49
Ion Ratio Lower Upper
180 100
182 136.7 47.4 142.2
145 0.0 14.1 42.2#





#95

Naphthalene

Concen: 3.160 ug/l

RT: 13.786 min Scan# 20

Delta R.T. 0.012 min

Lab File: VX033633.D

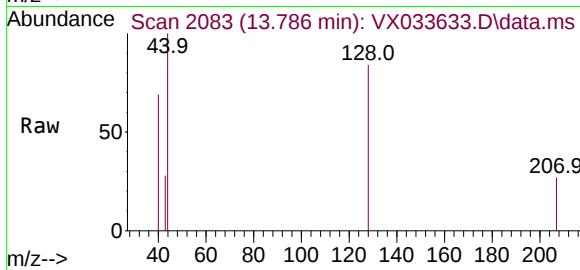
Acq: 06 Jan 2023 16:11

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#10



Tgt Ion:	128	Resp:	247
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	9.0	13.4#

