

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033634.D
 Acq On : 06 Jan 2023 16:34
 Operator : JC/MD
 Sample : PB050057ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#11

Quant Time: Jan 07 04:26:40 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)

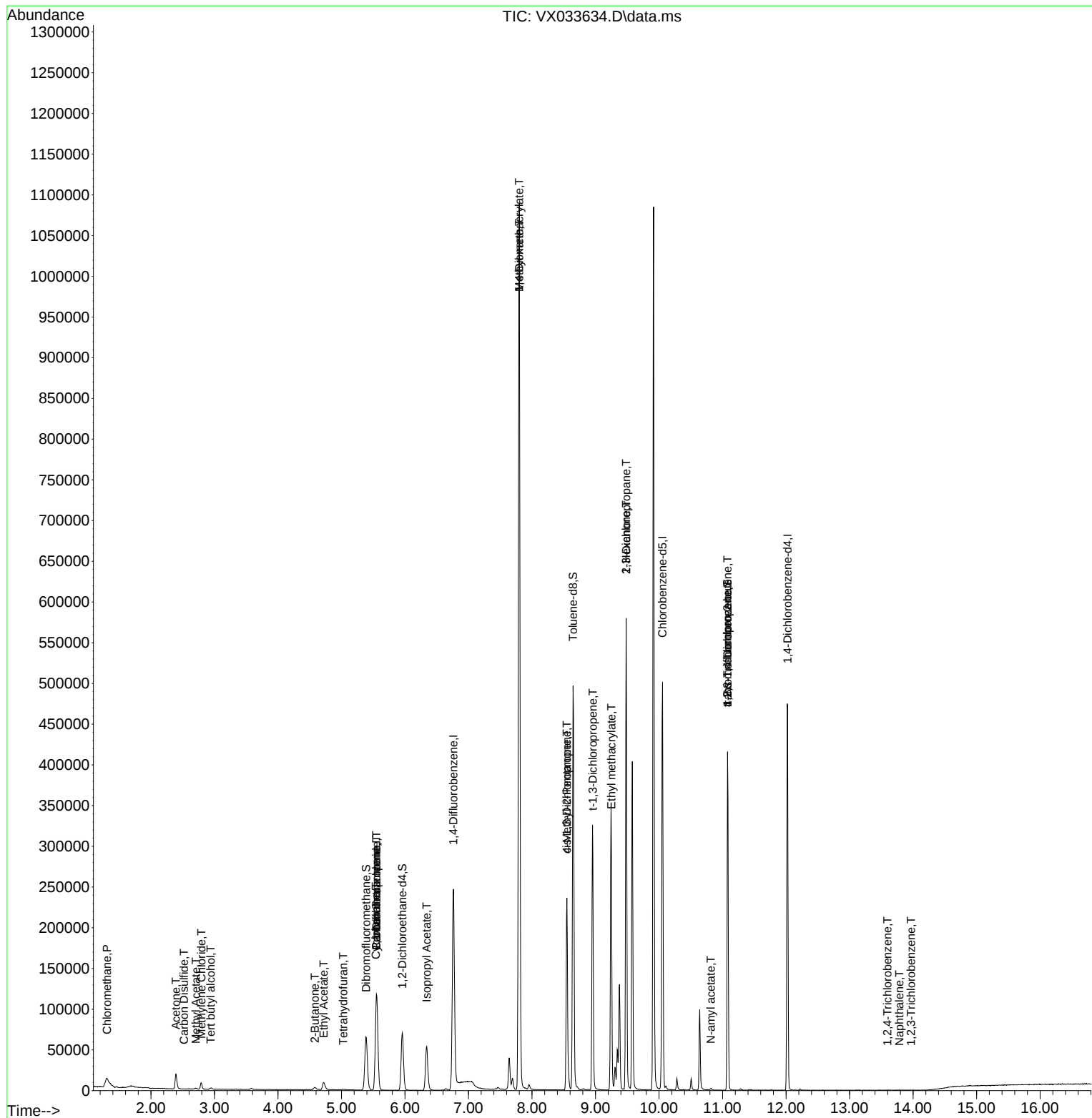
Internal Standards						
1) Pentafluorobenzene	5.550	168	119138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	249057	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68880	51.215	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.440%			
35) Dibromofluoromethane	5.385	113	55226	33.736	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 67.480%#			
50) Toluene-d8	8.647	98	292451	49.982	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.960%			
62) 4-Bromofluorobenzene	11.079	95	104801	50.531	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.060%			
Target Compounds						Qvalue
3) Chloromethane	1.306	50	693	0.573	ug/l #	42
11) Tert butyl alcohol	2.940	59	1099	4.974	ug/l #	80
16) Acetone	2.392	43	23991	41.387	ug/l	96
17) Carbon Disulfide	2.520	76	188	1.693	ug/l #	74
18) Methyl Acetate	2.709	43	1541	0.827	ug/l #	86
20) Methylene Chloride	2.794	84	3444	0.875	ug/l	94
25) 2-Butanone	4.580	43	4749	5.408	ug/l	98
29) Tetrahydrofuran	5.025	42	652	1.171	ug/l #	78
31) Cyclohexane	5.543	56	2583	1.380	ug/l #	38
36) 1,1-Dichloropropene	5.550	75	8487	3.827	ug/l #	50
37) Ethyl Acetate	4.720	43	16492	4.790	ug/l	98
38) Carbon Tetrachloride	5.550	117	11051	4.709	ug/l #	15
43) Isopropyl Acetate	6.342	43	76653	20.218	ug/l	97
48) Methyl methacrylate	7.799	41	93544	48.744	ug/l #	44
49) 1,4-Dioxane	7.799	88	81	1.984	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	86148	35.901	ug/l #	51
53) t-1,3-Dichloropropene	8.957	75	716	0.406	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	36714	14.647	ug/l #	60
56) Ethyl methacrylate	9.250	69	671	0.269	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4804	1.682	ug/l #	42
59) 2-Hexanone	9.482	43	70735	39.904	ug/l #	51
74) N-amyl acetate	10.817	43	889	0.285	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	51491	25.766	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	51491	78.204	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.597	180	37	1.609	ug/l #	62
95) Naphthalene	13.786	128	275	3.151	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.969	180	19	3.756	ug/l #	13

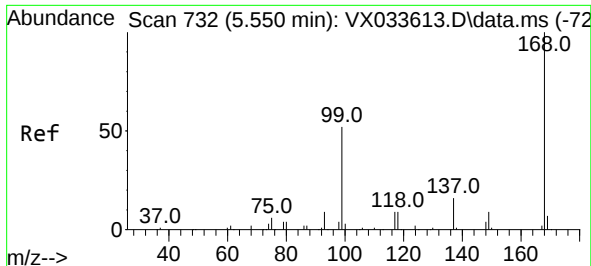
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
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Response via : Initial Calibration

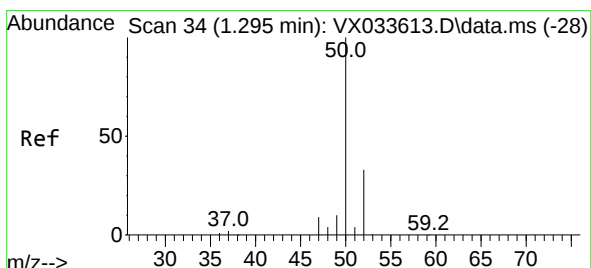
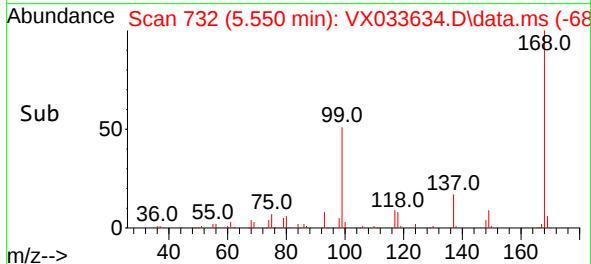
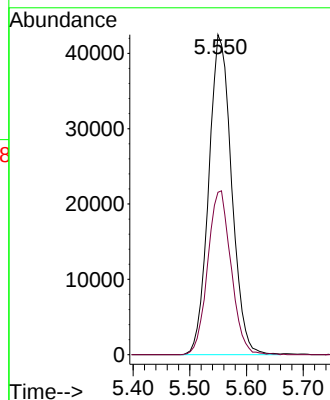
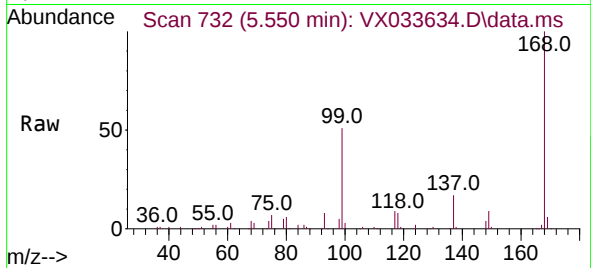




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

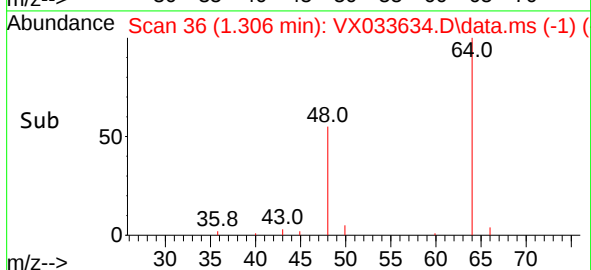
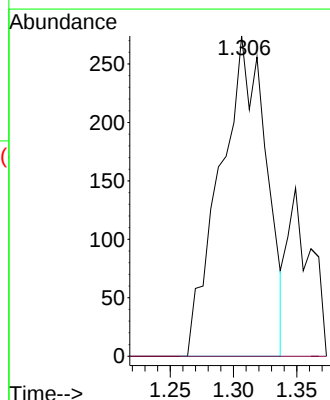
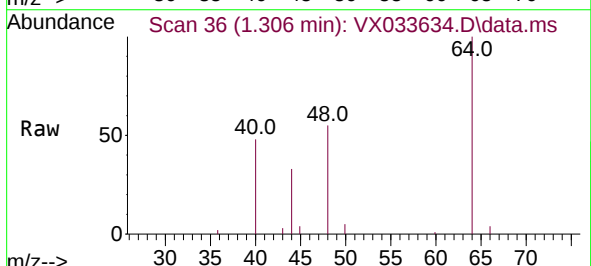
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#11

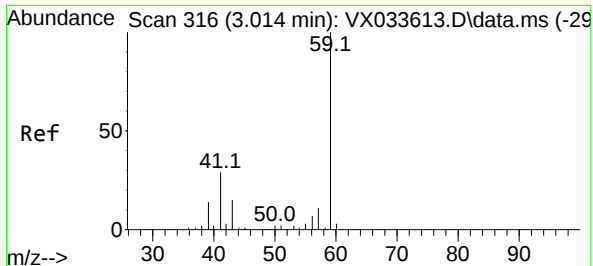
Tgt Ion:168 Resp: 119138
Ion Ratio Lower Upper
168 100
99 50.8 41.4 62.2



#3
Chloromethane
Concen: 0.573 ug/l
RT: 1.306 min Scan# 36
Delta R.T. 0.012 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

Tgt Ion: 50 Resp: 693
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#





#11

Tert butyl alcohol

Concen: 4.974 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.074 min

Lab File: VX033634.D

Acq: 06 Jan 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

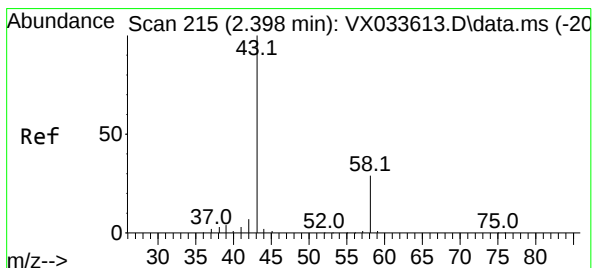
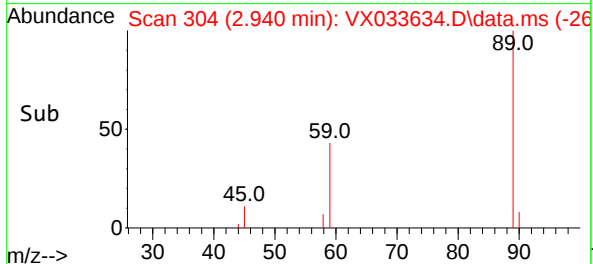
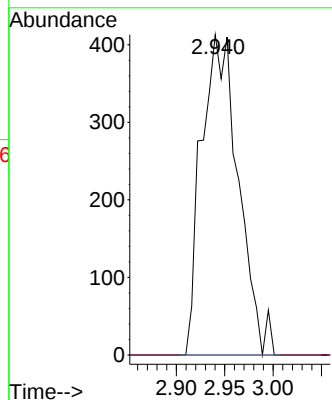
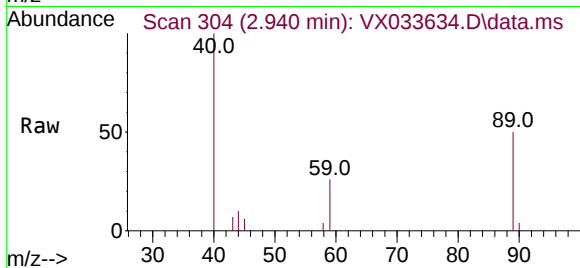
PB050057ZHE#11

Tgt Ion: 59 Resp: 1099

Ion Ratio Lower Upper

59 100

57 0.0 5.5 8.3#



#16

Acetone

Concen: 41.387 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX033634.D

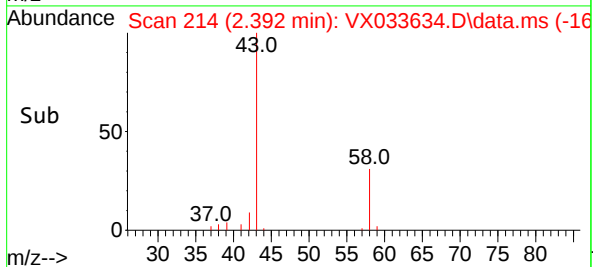
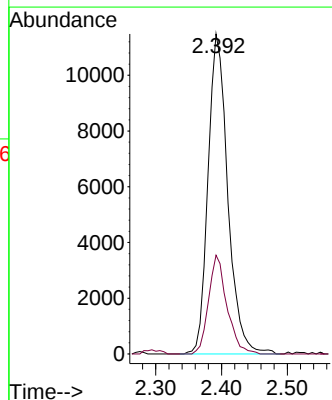
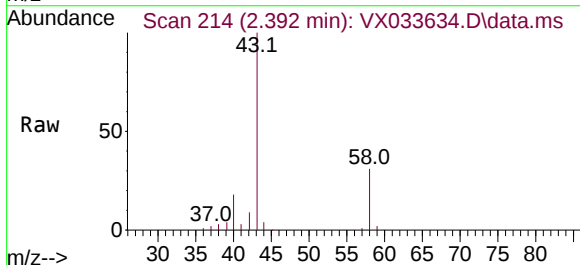
Acq: 06 Jan 2023 16:34

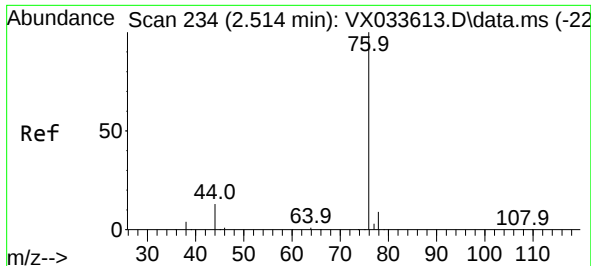
Tgt Ion: 43 Resp: 23991

Ion Ratio Lower Upper

43 100

58 30.9 22.9 34.3

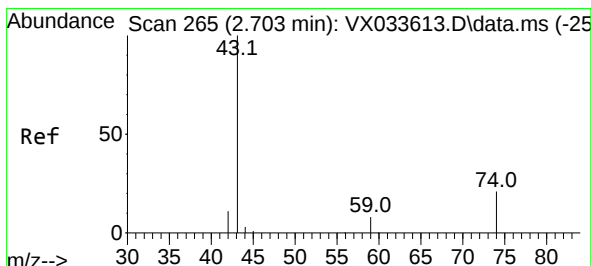
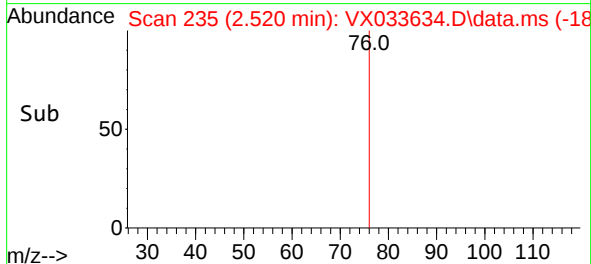
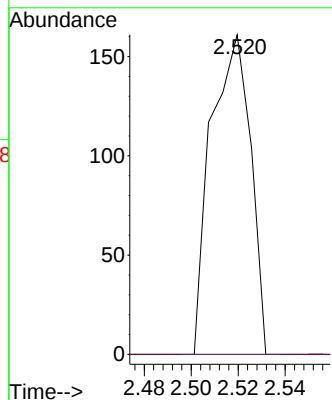
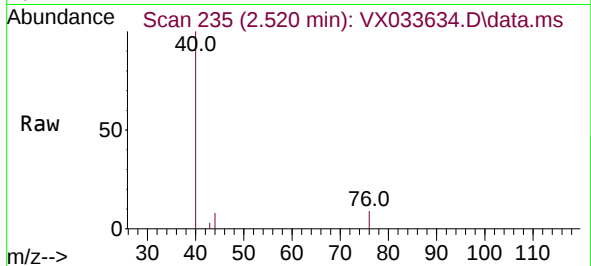




#17
Carbon Disulfide
Concen: 1.693 ug/l
RT: 2.520 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

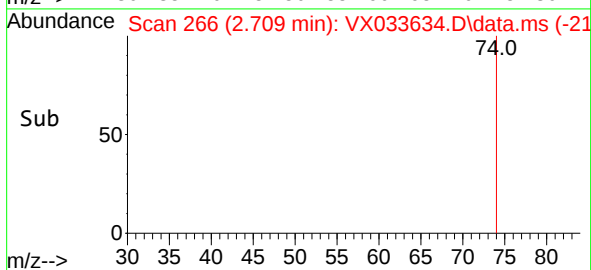
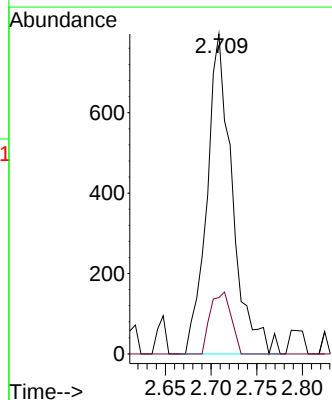
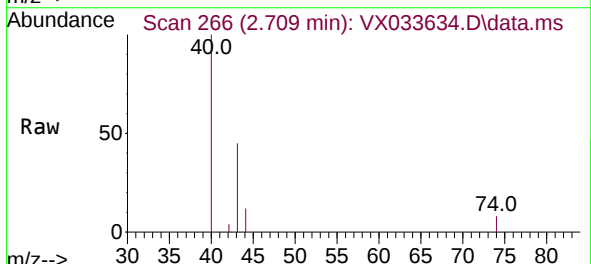
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#11

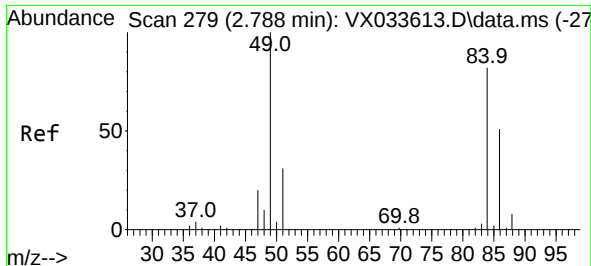
Tgt Ion: 76 Resp: 188
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 0.827 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

Tgt Ion: 43 Resp: 1541
Ion Ratio Lower Upper
43 100
74 15.8 17.9 26.9#





#20

Methylene Chloride

Concen: 0.875 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX033634.D

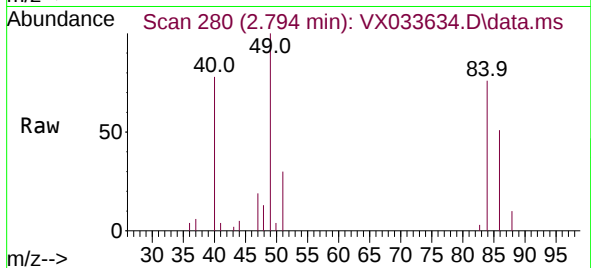
Acq: 06 Jan 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#11



Tgt Ion: 84 Resp: 3444

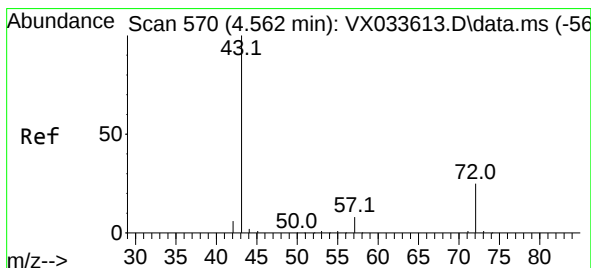
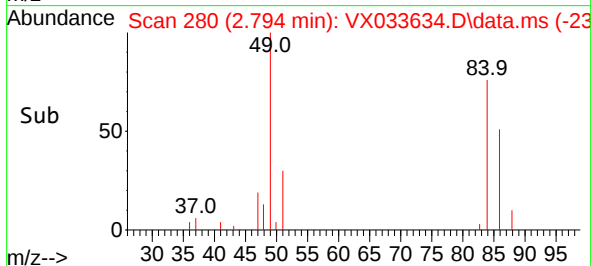
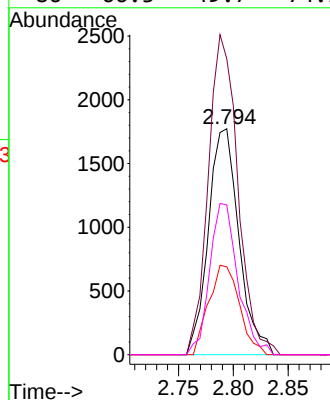
Ion Ratio Lower Upper

84 100

49 131.0 97.6 146.4

51 38.9 30.4 45.6

86 66.3 49.7 74.5



#25

2-Butanone

Concen: 5.408 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX033634.D

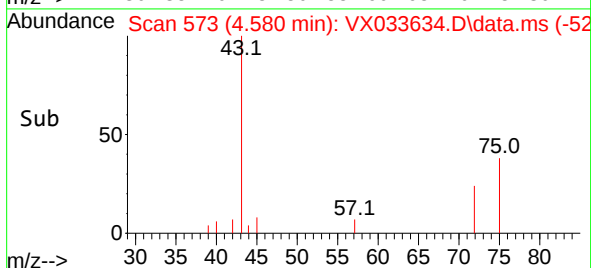
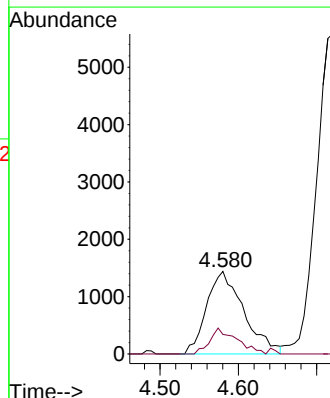
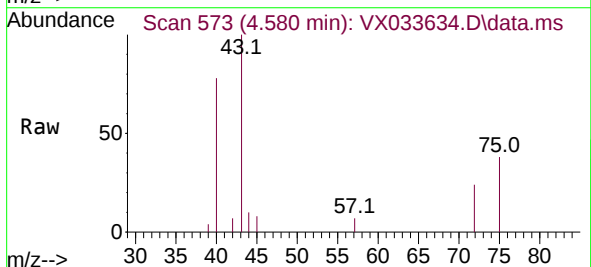
Acq: 06 Jan 2023 16:34

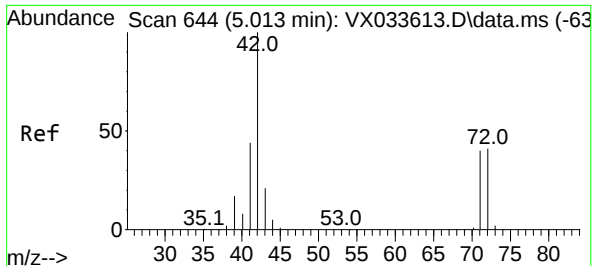
Tgt Ion: 43 Resp: 4749

Ion Ratio Lower Upper

43 100

72 23.6 19.8 29.6





#29

Tetrahydrofuran

Concen: 1.171 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.012 min

Lab File: VX033634.D

Acq: 06 Jan 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#11

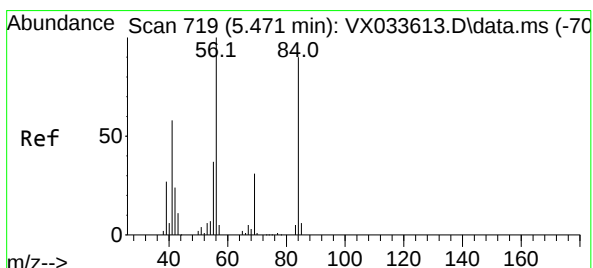
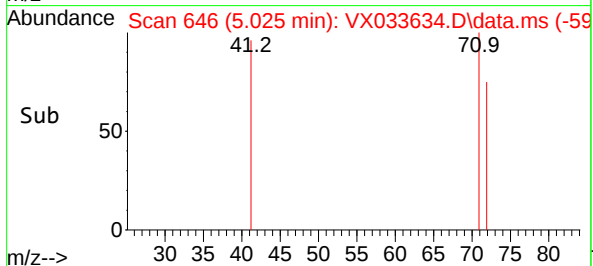
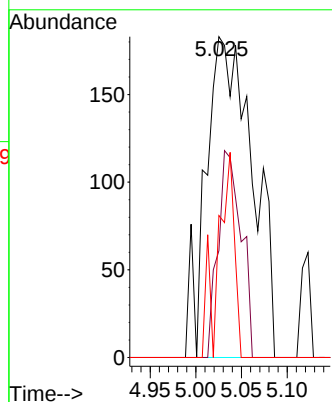
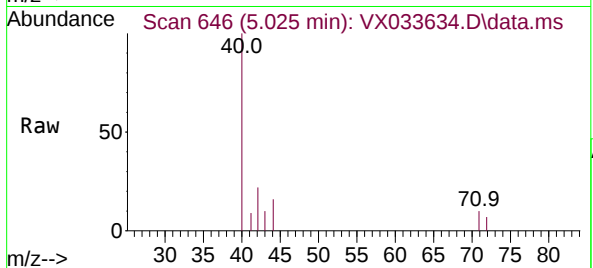
Tgt Ion: 42 Resp: 652

Ion Ratio Lower Upper

42 100

72 31.9 34.2 51.4#

71 22.5 31.4 47.0#



#31

Cyclohexane

Concen: 1.380 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX033634.D

Acq: 06 Jan 2023 16:34

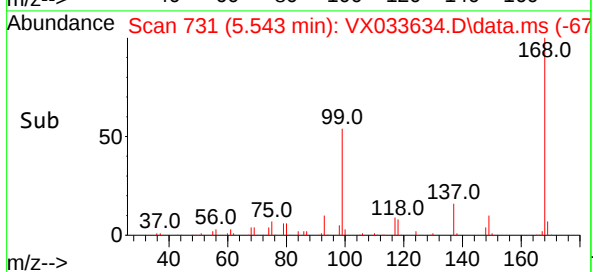
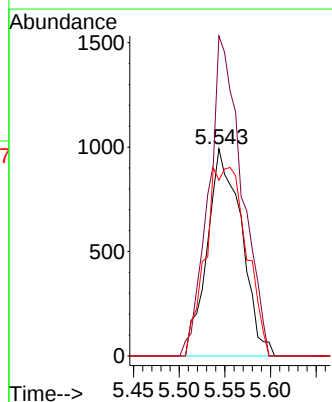
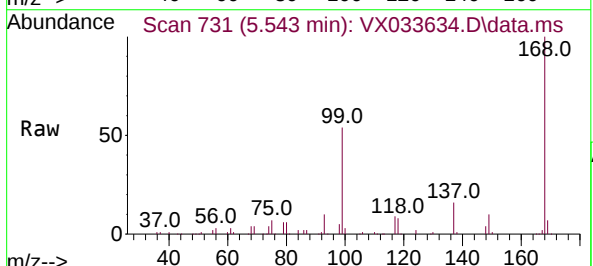
Tgt Ion: 56 Resp: 2583

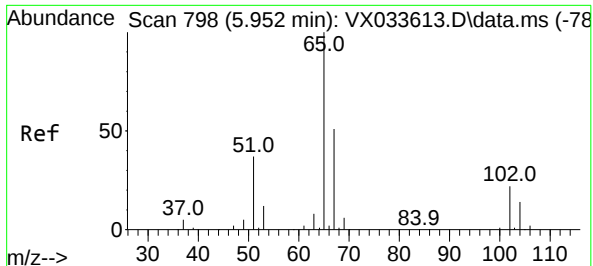
Ion Ratio Lower Upper

56 100

69 154.4 24.6 36.8#

84 84.9 72.2 108.2





#33

1,2-Dichloroethane-d4

Concen: 51.215 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX033634.D

Acq: 06 Jan 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

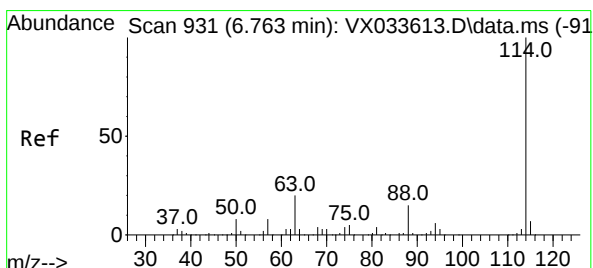
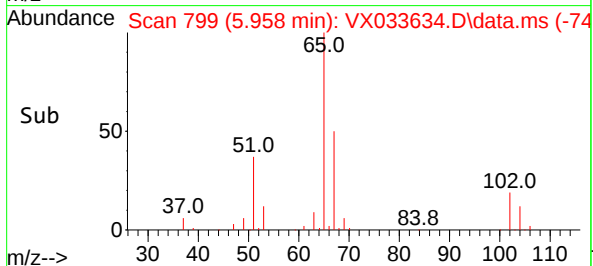
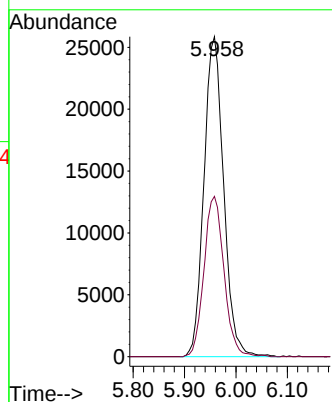
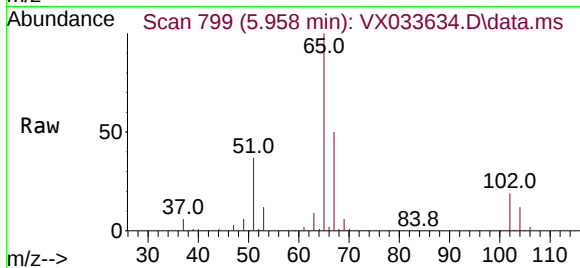
PB050057ZHE#11

Tgt Ion: 65 Resp: 68880

Ion Ratio Lower Upper

65 100

67 50.9 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: VX033634.D

Acq: 06 Jan 2023 16:34

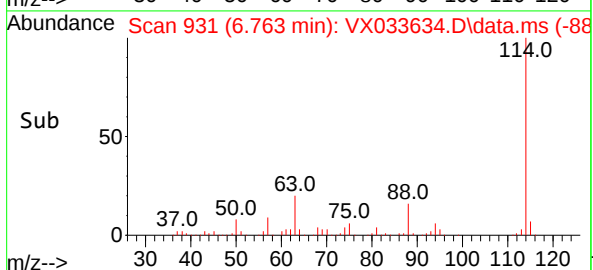
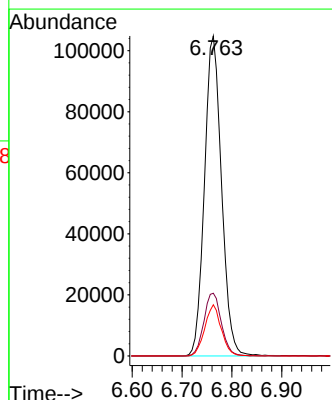
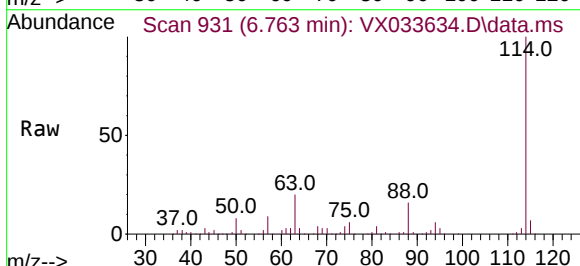
Tgt Ion: 114 Resp: 249057

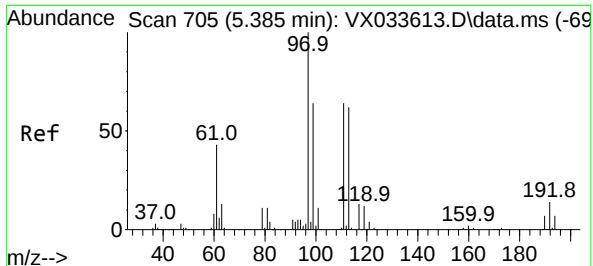
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 16.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 33.736 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX033634.D

Acq: 06 Jan 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#11

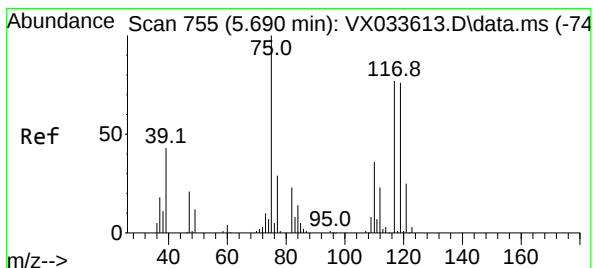
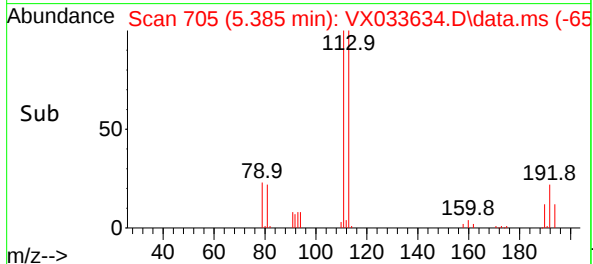
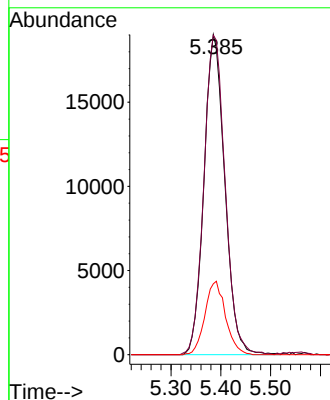
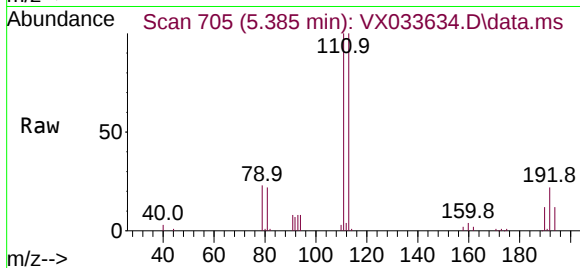
Tgt Ion:113 Resp: 55226

Ion Ratio Lower Upper

113 100

111 101.9 81.2 121.8

192 22.7 18.2 27.2



#36

1,1-Dichloropropene

Concen: 3.827 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.141 min

Lab File: VX033634.D

Acq: 06 Jan 2023 16:34

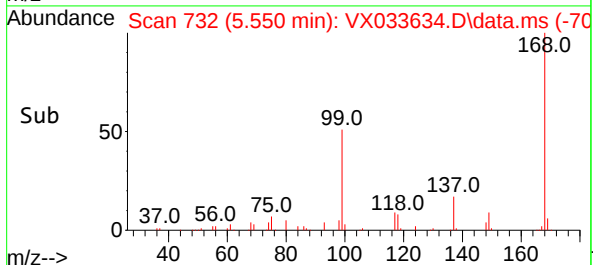
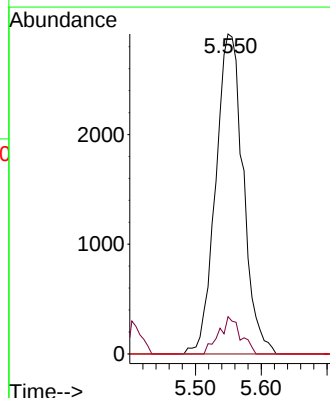
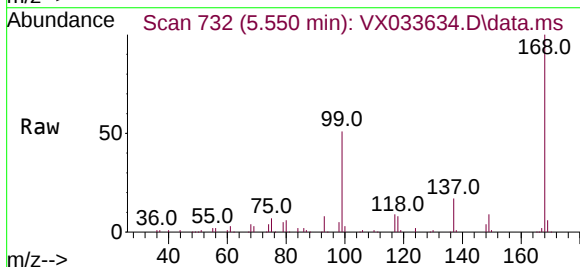
Tgt Ion: 75 Resp: 8487

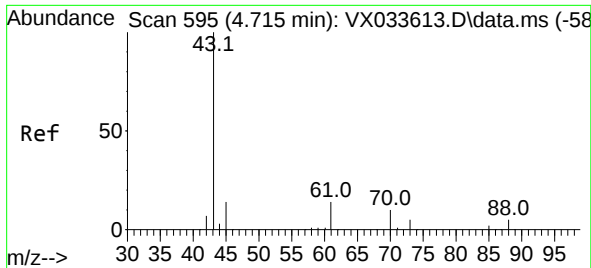
Ion Ratio Lower Upper

75 100

110 9.2 18.0 54.0#

77 0.0 24.5 36.7#

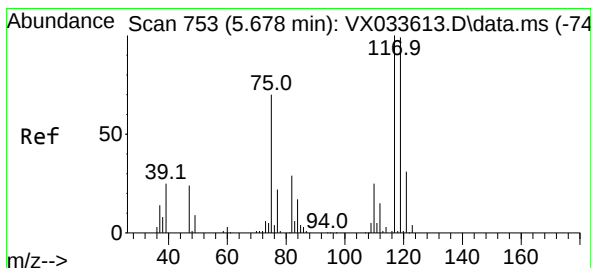
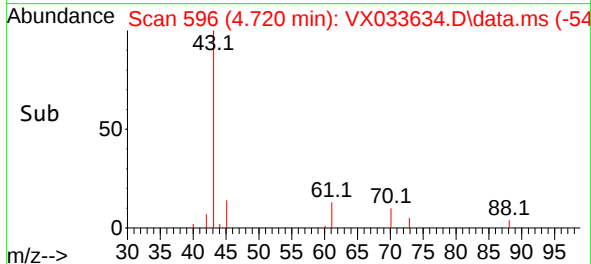
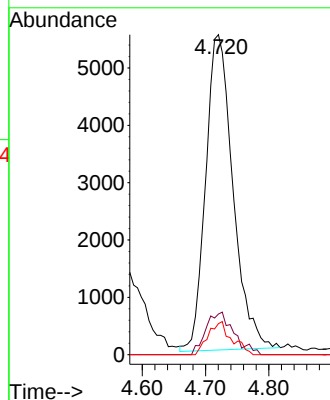
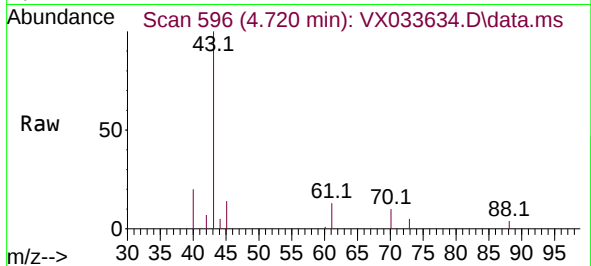




#37
Ethyl Acetate
Concen: 4.790 ug/l
RT: 4.720 min Scan# 595
Delta R.T. 0.005 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

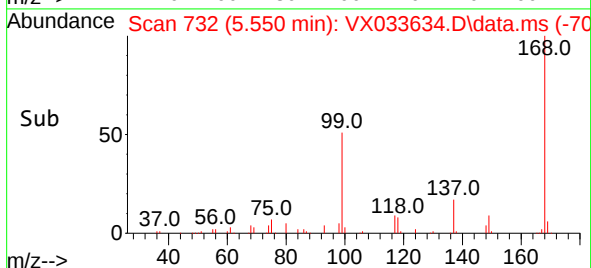
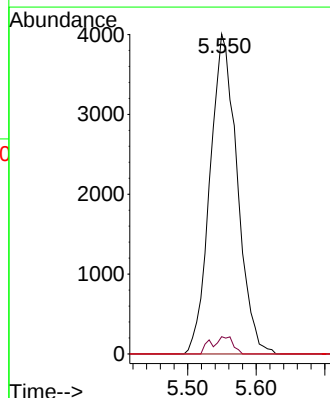
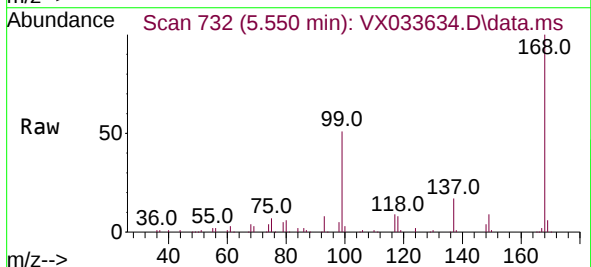
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#11

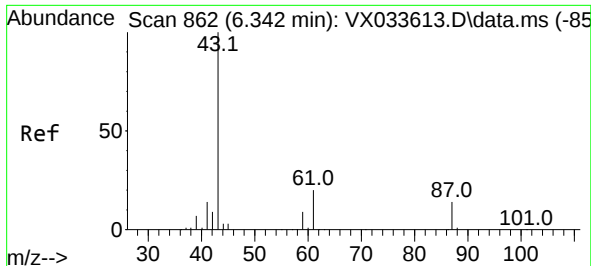
Tgt Ion:	43	Resp:	16492
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	16.0
70	8.9	8.1	12.1



#38
Carbon Tetrachloride
Concen: 4.709 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

Tgt Ion:	117	Resp:	11051
Ion	Ratio	Lower	Upper
117	100		
119	5.4	78.8	118.2#
121	0.0	24.9	37.3#

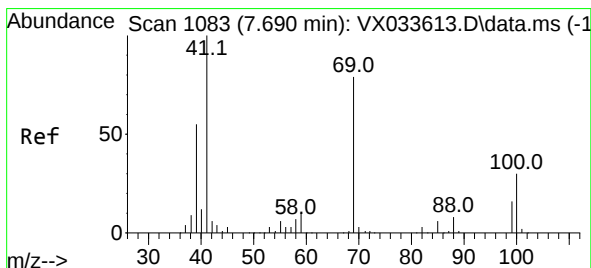
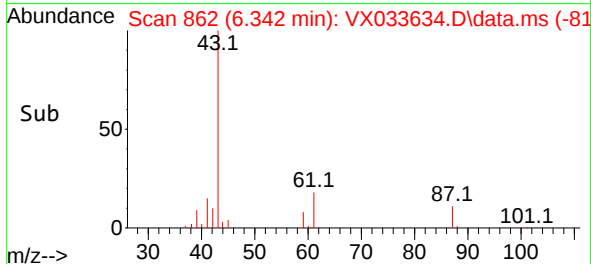
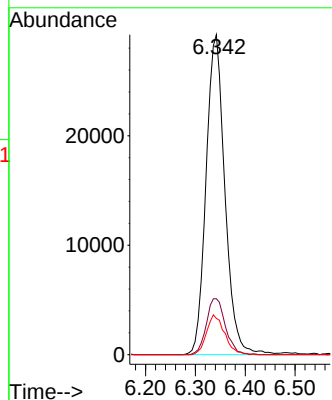
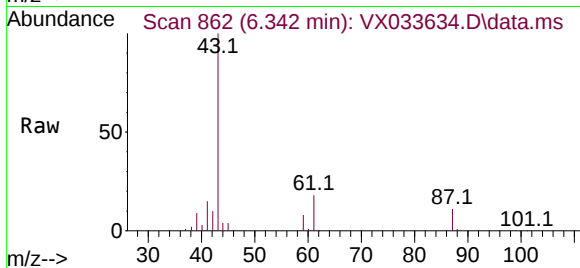




#43
Isopropyl Acetate
Concen: 20.218 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

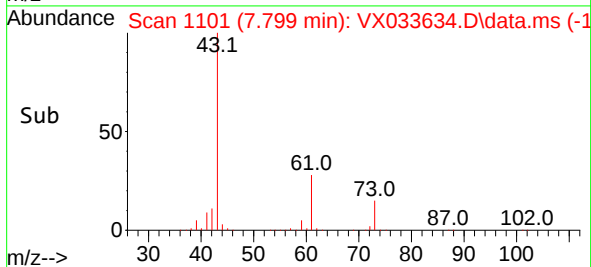
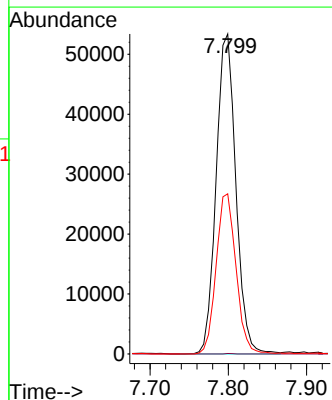
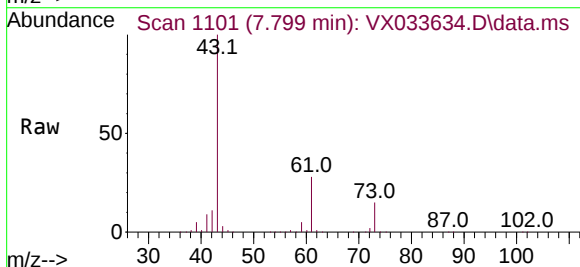
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#11

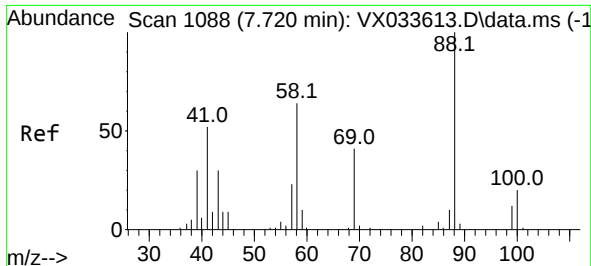
Tgt Ion: 43 Resp: 76653
Ion Ratio Lower Upper
43 100
61 17.7 15.2 22.8
87 12.0 10.6 16.0



#48
Methyl methacrylate
Concen: 48.744 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

Tgt Ion: 41 Resp: 93544
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: 1.984 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.079 min

Lab File: VX033634.D

Acq: 06 Jan 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#11

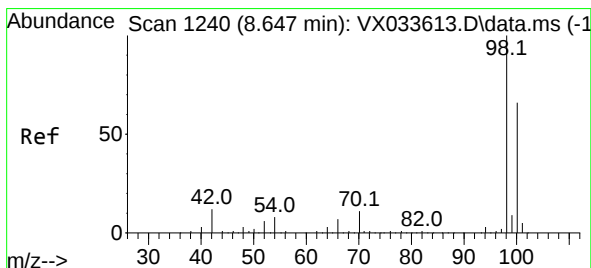
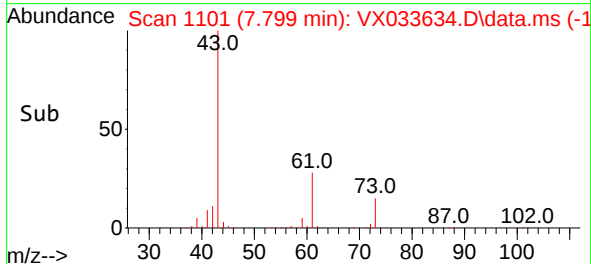
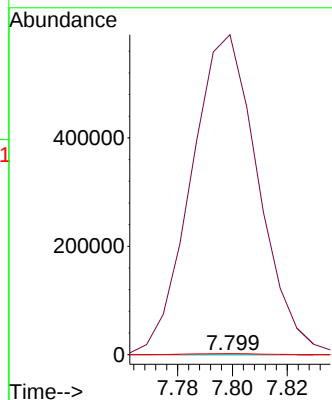
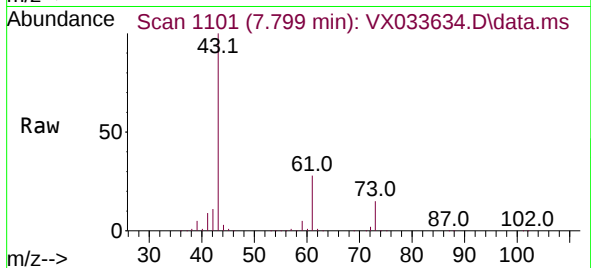
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

43 1255549.4 24.1 36.1#

58 4607.4 57.1 85.7#



#50

Toluene-d8

Concen: 49.982 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033634.D

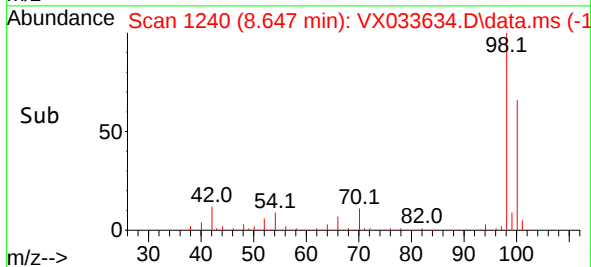
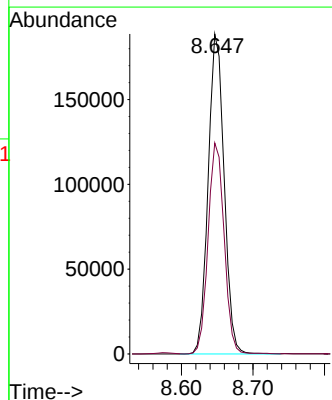
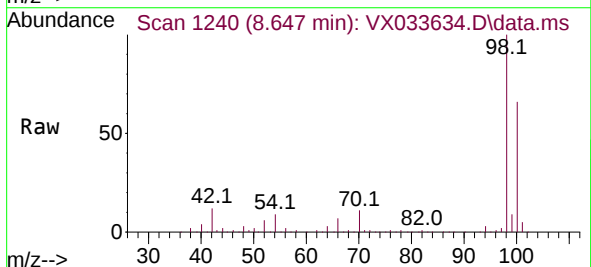
Acq: 06 Jan 2023 16:34

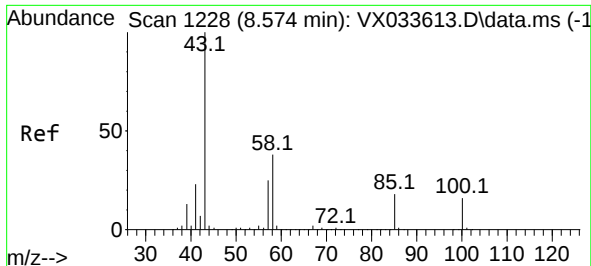
Tgt Ion: 98 Resp: 292451

Ion Ratio Lower Upper

98 100

100 66.2 53.6 80.4

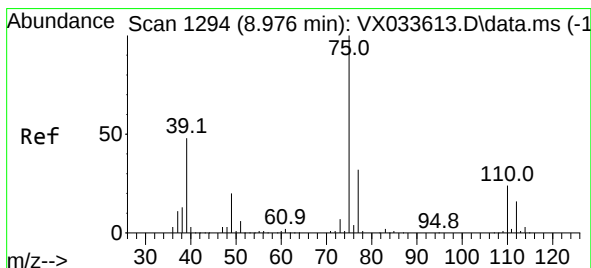
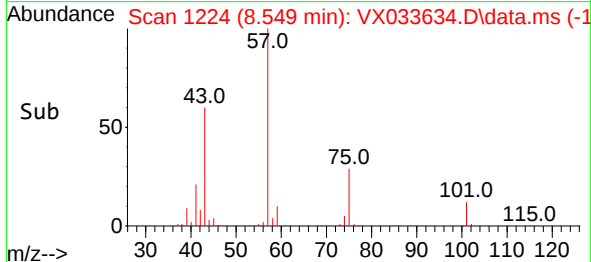
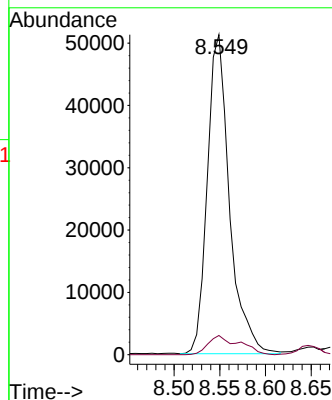
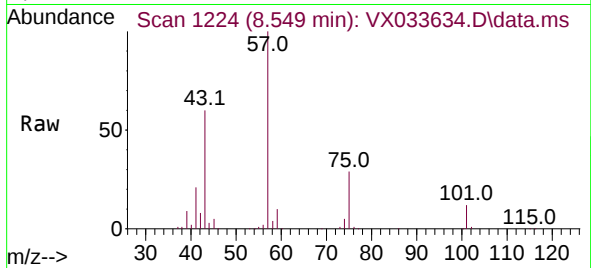




#51
4-Methyl-2-Pentanone
Concen: 35.901 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

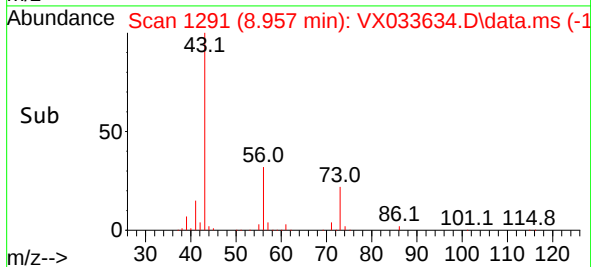
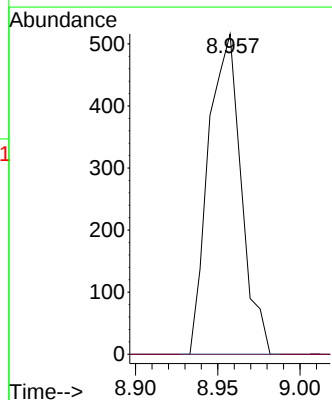
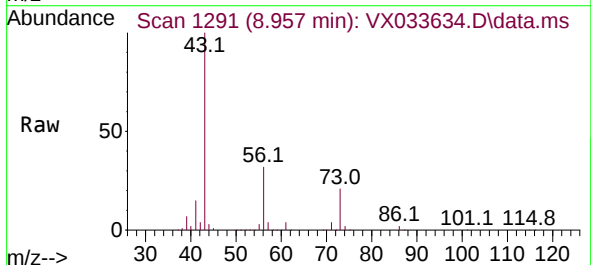
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#11

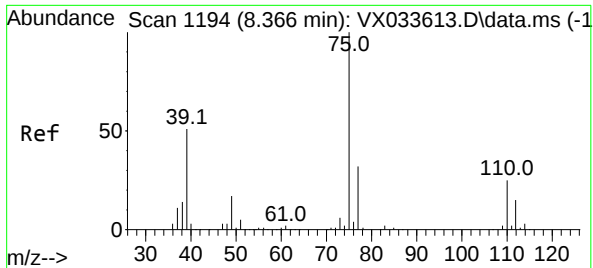
Tgt Ion: 43 Resp: 86148
Ion Ratio Lower Upper
43 100
58 8.5 30.5 45.7#



#53
t-1,3-Dichloropropene
Concen: 0.406 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.019 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

Tgt Ion: 75 Resp: 716
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#

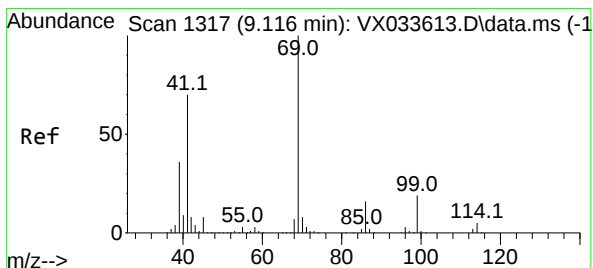
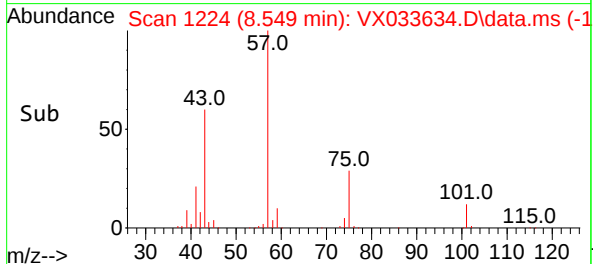
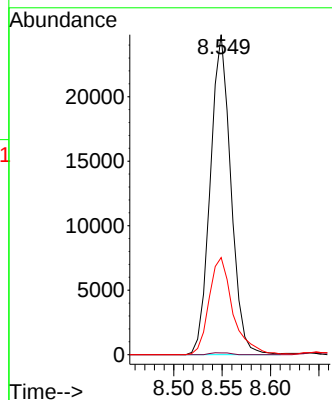
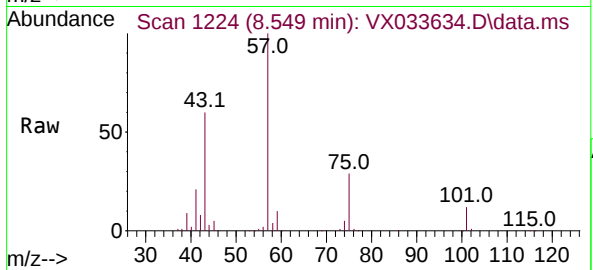




#54
cis-1,3-Dichloropropene
Concen: 14.647 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

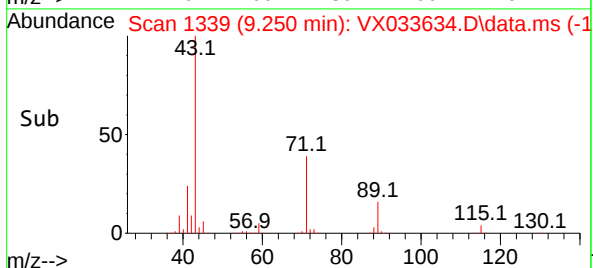
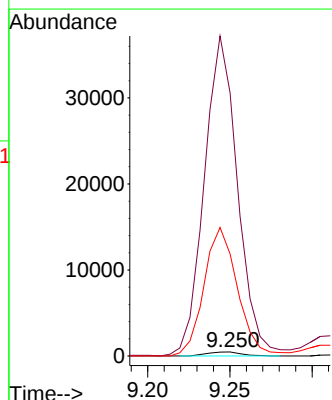
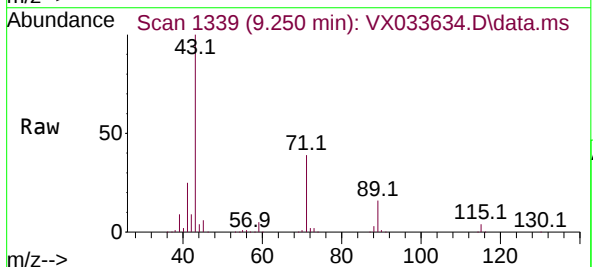
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#11

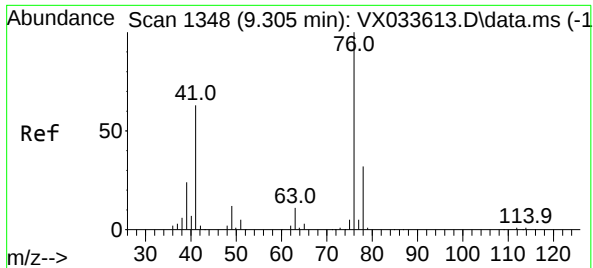
Tgt Ion: 75 Resp: 36714
Ion Ratio Lower Upper
75 100
77 0.5 25.5 38.3#
39 30.3 40.6 61.0#



#56
Ethyl methacrylate
Concen: 0.269 ug/l
RT: 9.250 min Scan# 1339
Delta R.T. 0.134 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

Tgt Ion: 69 Resp: 671
Ion Ratio Lower Upper
69 100
41 7875.0 56.6 84.8#
39 3176.9 29.4 44.0#

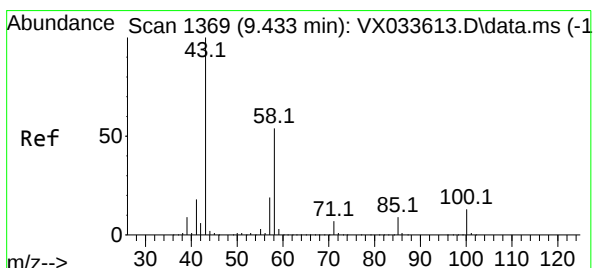
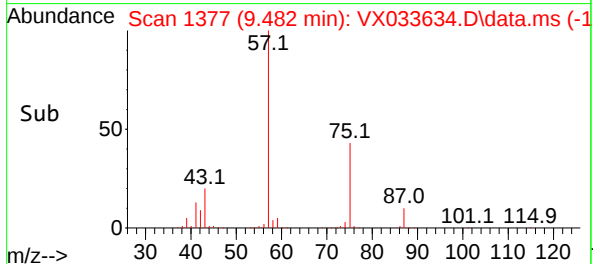
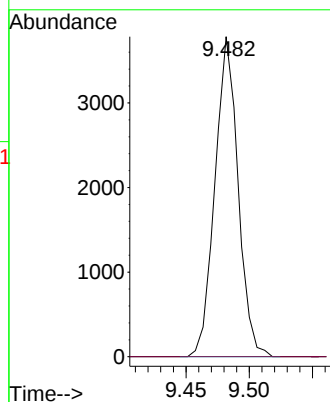
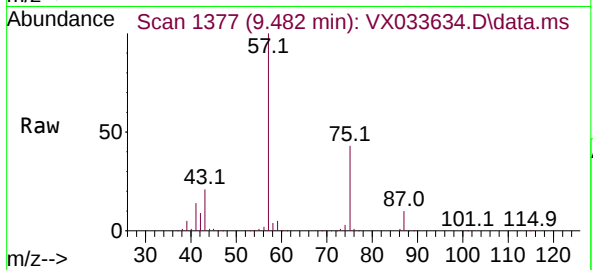




#57
1,3-Dichloropropane
Concen: 1.682 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.176 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

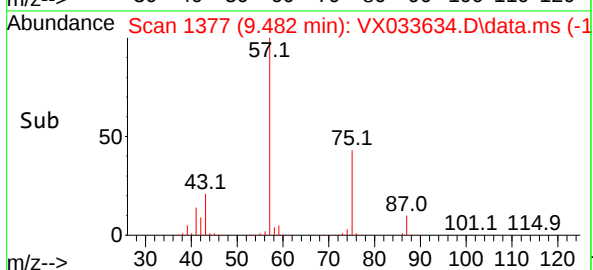
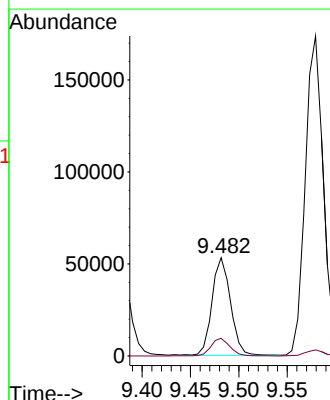
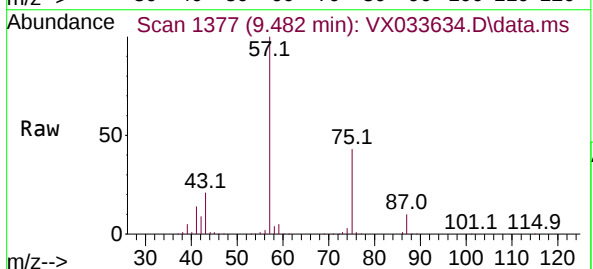
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#11

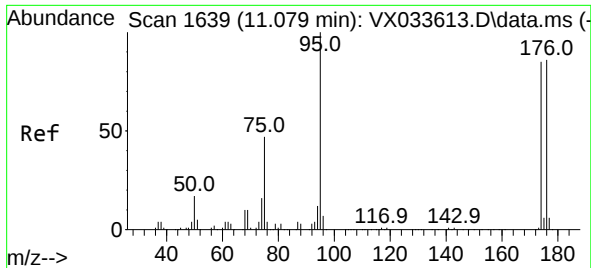
Tgt Ion: 76 Resp: 4804
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 39.904 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.048 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

Tgt Ion: 43 Resp: 70735
Ion Ratio Lower Upper
43 100
58 18.6 26.6 79.8#

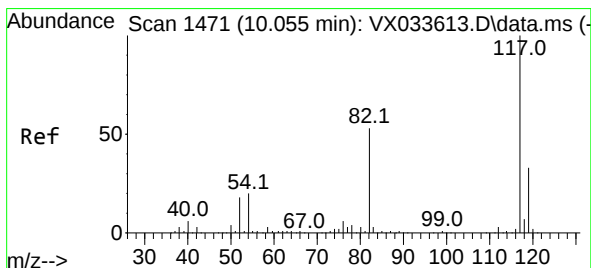
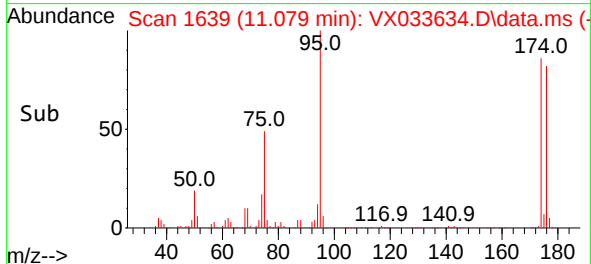
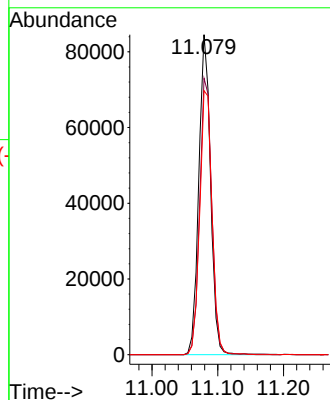
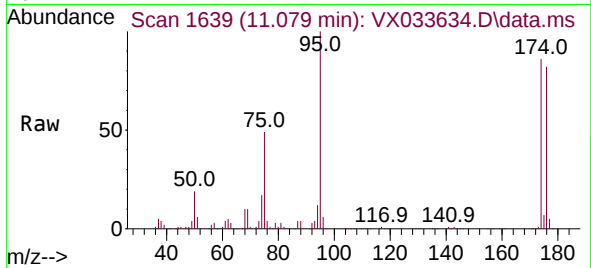




#62
4-Bromofluorobenzene
Concen: 50.531 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

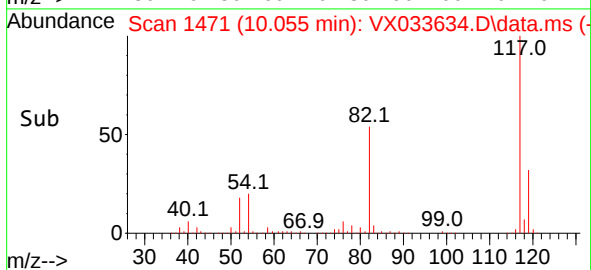
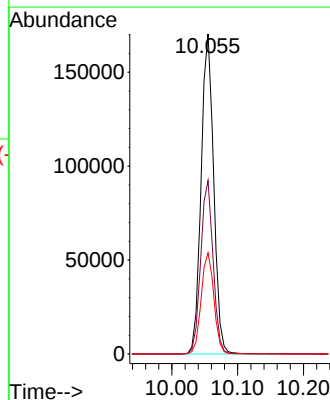
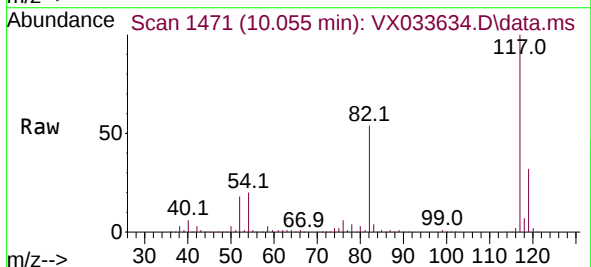
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#11

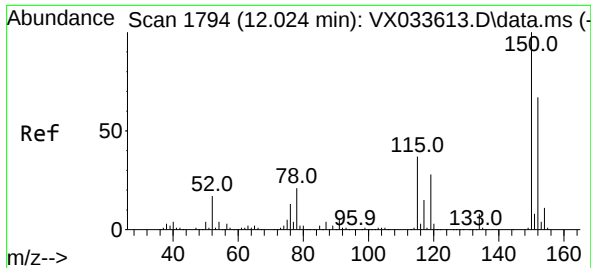
Tgt Ion: 95 Resp: 104801
Ion Ratio Lower Upper
95 100
174 89.3 0.0 180.4
176 87.1 0.0 176.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

Tgt Ion: 117 Resp: 225951
Ion Ratio Lower Upper
117 100
82 54.2 42.2 63.2
119 31.6 26.2 39.4

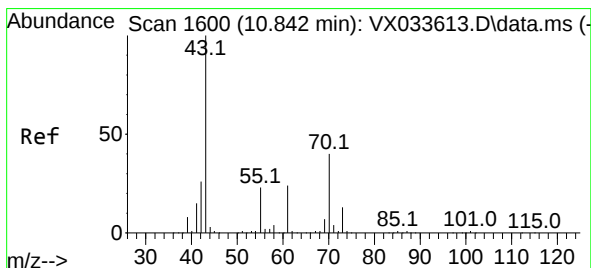
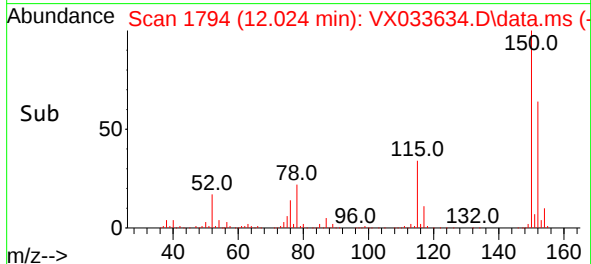
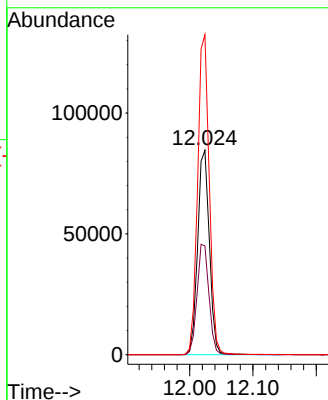
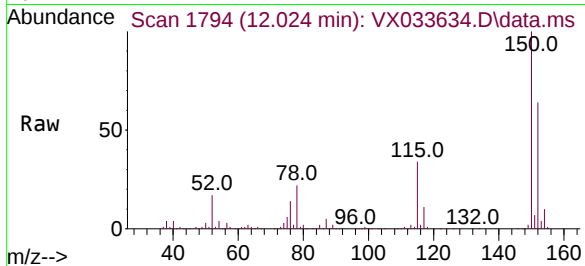




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

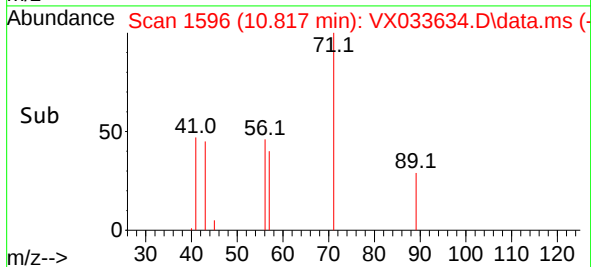
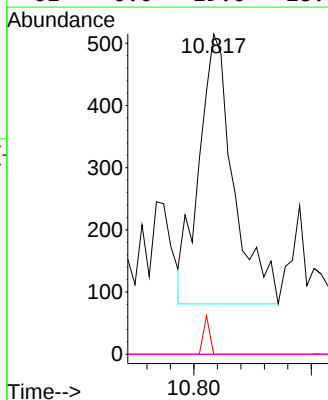
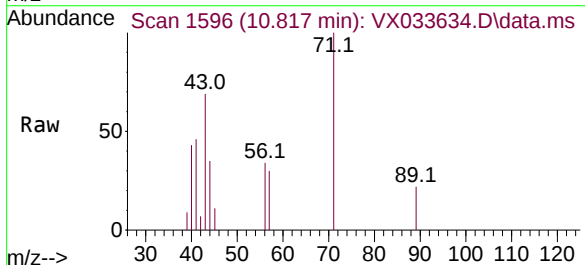
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#11

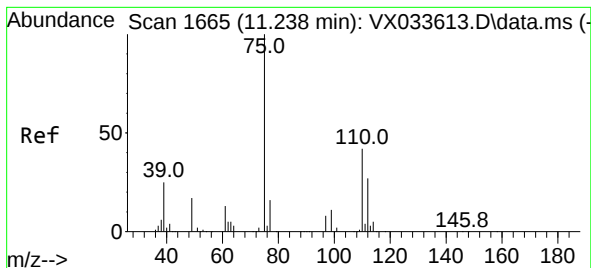
Tgt Ion:152 Resp: 109081
Ion Ratio Lower Upper
152 100
115 54.9 38.5 115.5
150 155.5 0.0 340.4



#74
N-ethyl acetate
Concen: 0.285 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.025 min
Lab File: VX033634.D
Acq: 06 Jan 2023 16:34

Tgt Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.0#
55 0.0 18.6 27.8#
61 0.0 19.0 28.6#





#76

1,2,3-Trichloropropane

Concen: 25.766 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033634.D

Acq: 06 Jan 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

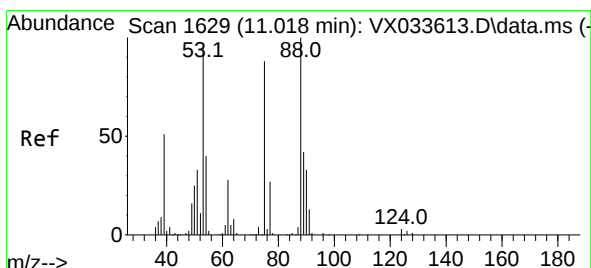
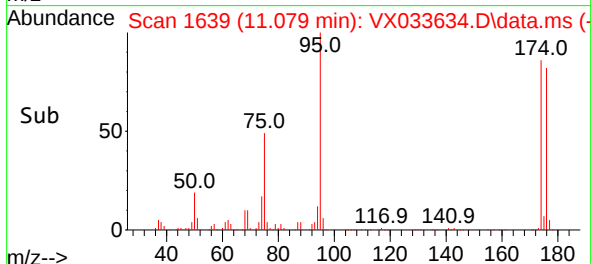
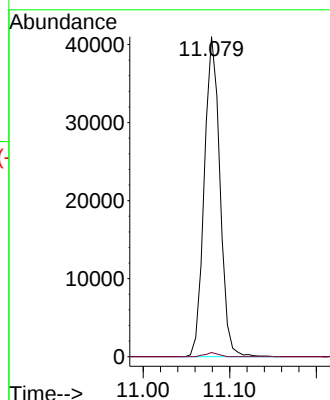
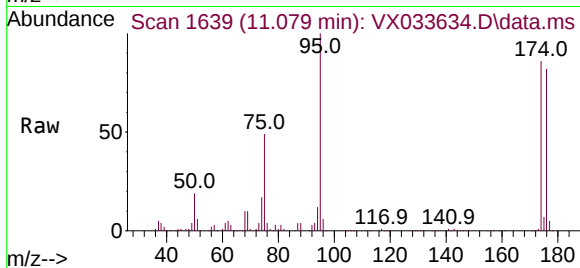
PB050057ZHE#11

Tgt Ion: 75 Resp: 51491

Ion Ratio Lower Upper

75 100

77 1.1 21.3 63.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.204 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033634.D

Acq: 06 Jan 2023 16:34

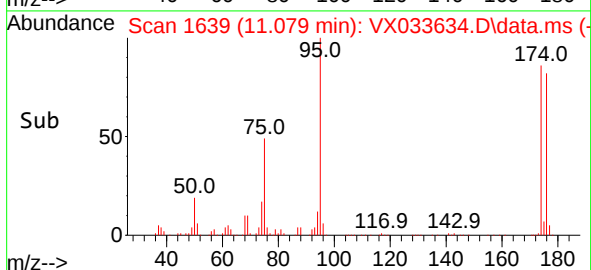
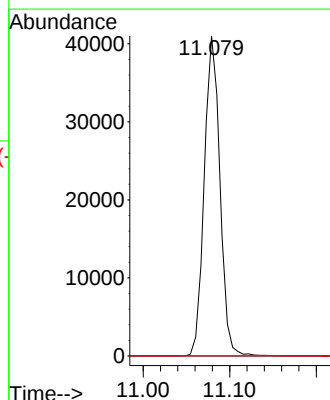
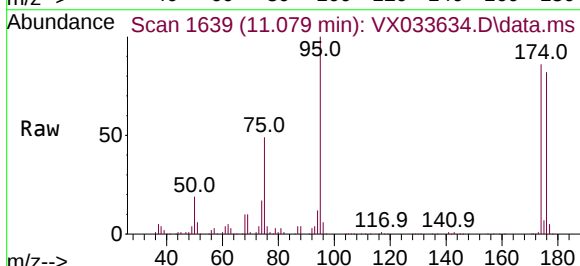
Tgt Ion: 75 Resp: 51491

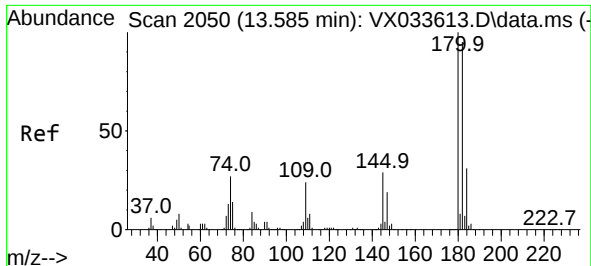
Ion Ratio Lower Upper

75 100

53 0.0 86.4 129.6#

89 0.0 37.4 56.2#





#93

1,2,4-Trichlorobenzene

Concen: 1.609 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX033634.D

Acq: 06 Jan 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#11

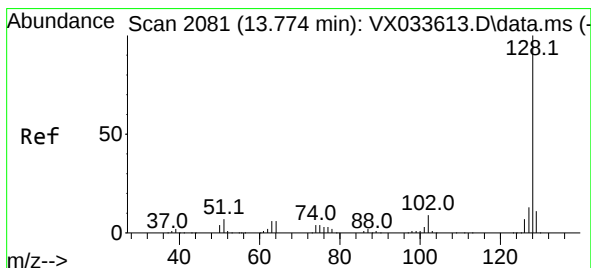
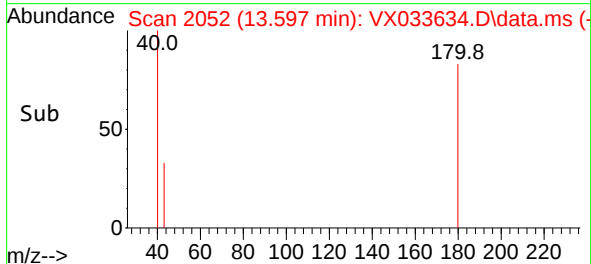
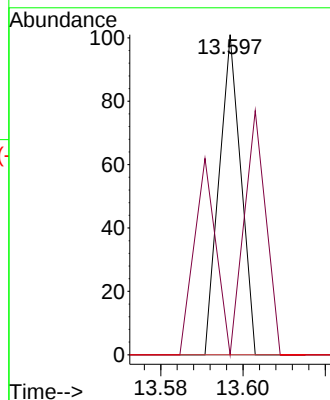
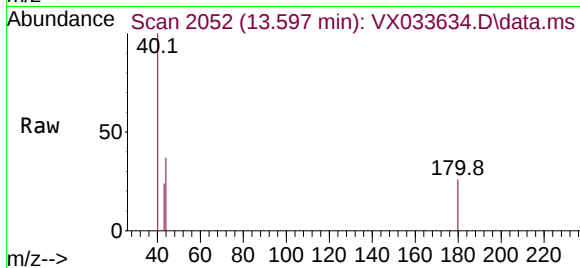
Tgt Ion:180 Resp: 37

Ion Ratio Lower Upper

180 100

182 62.2 47.4 142.2

145 0.0 14.1 42.2#



#95

Naphthalene

Concen: 3.151 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX033634.D

Acq: 06 Jan 2023 16:34

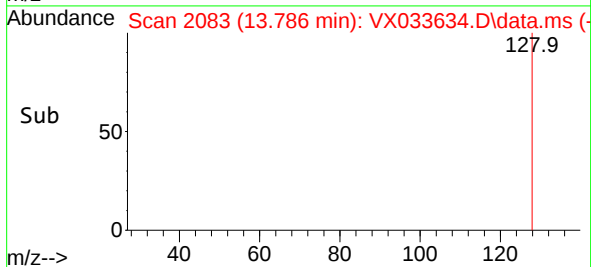
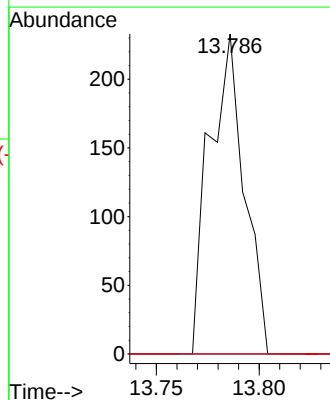
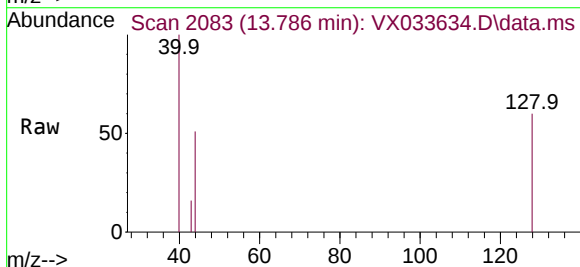
Tgt Ion:128 Resp: 275

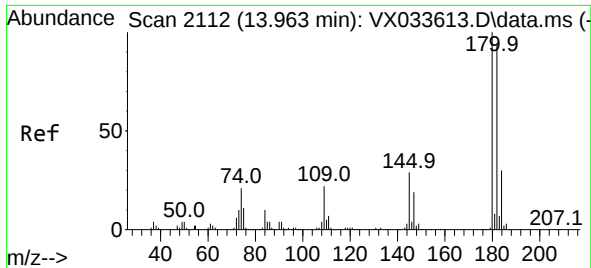
Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

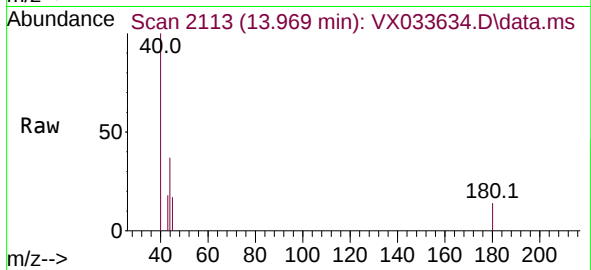
129 0.0 9.0 13.4#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.756 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX033634.D
 Acq: 06 Jan 2023 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#11



Tgt Ion:180 Resp: 19
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.2 141.6#
 145 0.0 15.0 45.0#

