

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033636.D
 Acq On : 06 Jan 2023 17:20
 Operator : JC/MD
 Sample : PB050057ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

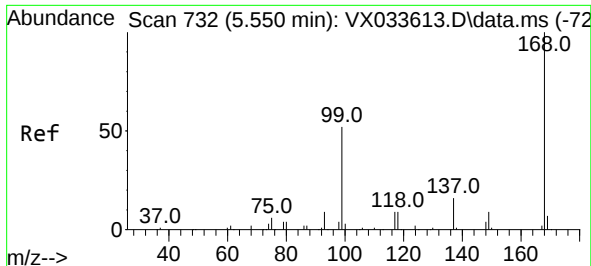
Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#13

Quant Time: Jan 07 04:27:24 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	167928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	247326	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94781	49.998	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.000%			
35) Dibromofluoromethane	5.391	113	77460	47.649	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.300%			
50) Toluene-d8	8.647	98	289634	49.847	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.700%			
62) 4-Bromofluorobenzene	11.079	95	103098	50.058	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.120%			
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	495	0.290	ug/l #	42
6) Chloroethane	1.697	64	324	0.372	ug/l #	43
11) Tert butyl alcohol	3.001	59	89	0.286	ug/l #	80
14) Allyl chloride	2.660	41	537	0.205	ug/l #	25
16) Acetone	2.392	43	24443	26.045	ug/l	99
17) Carbon Disulfide	2.508	76	127	1.656	ug/l #	74
18) Methyl Acetate	2.709	43	2276	0.866	ug/l #	90
20) Methylene Chloride	2.788	84	5890	1.554	ug/l	98
25) 2-Butanone	4.574	43	7049	5.695	ug/l	99
29) Tetrahydrofuran	5.050	42	1039	1.323	ug/l #	71
31) Cyclohexane	5.556	56	2995	1.135	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11708	5.317	ug/l #	50
37) Ethyl Acetate	4.715	43	24559	8.293	ug/l	99
38) Carbon Tetrachloride	5.550	117	15758	6.762	ug/l #	14
41) Methacrylonitrile	5.032	41	479	0.358	ug/l #	46
43) Isopropyl Acetate	6.336	43	104933	27.871	ug/l	99
48) Methyl methacrylate	7.793	41	94714	49.699	ug/l #	44
49) 1,4-Dioxane	7.793	88	187	4.613	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	85581	35.914	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	702	0.402	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	36918	14.832	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	4998	1.763	ug/l #	42
59) 2-Hexanone	9.482	43	71542	40.642	ug/l #	51
74) N-amyl acetate	10.640	43	27915	9.009	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	51875	26.150	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	51875	79.370	ug/l #	7
95) Naphthalene	13.774	128	153	3.136	ug/l #	69

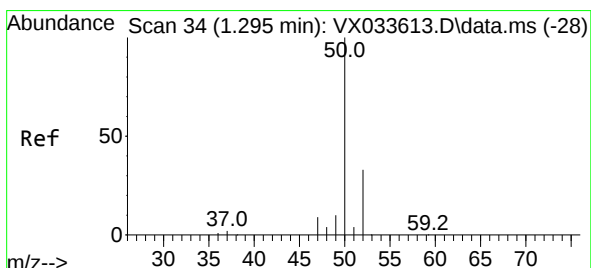
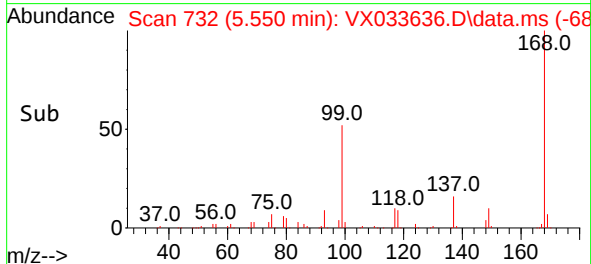
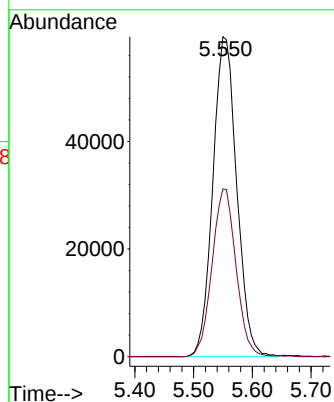
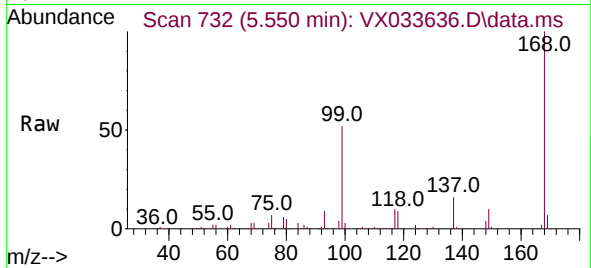
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

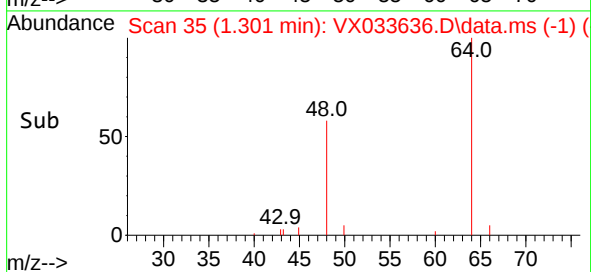
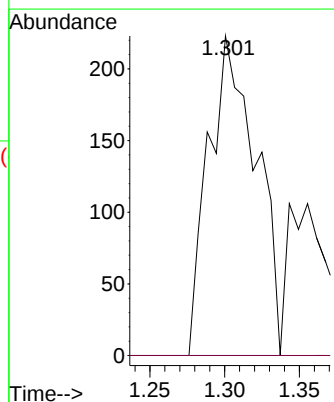
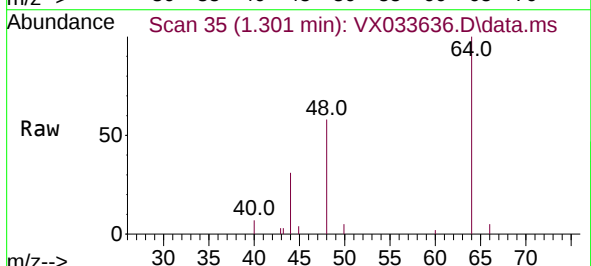
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#13

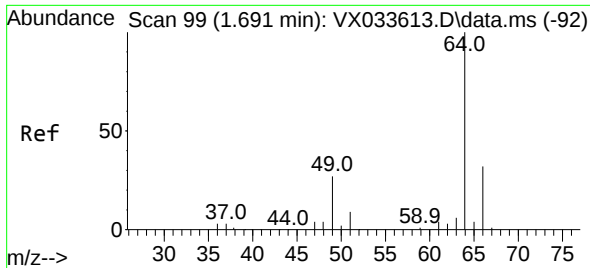
Tgt Ion:168 Resp: 167928
Ion Ratio Lower Upper
168 100
99 52.4 41.4 62.2



#3
Chloromethane
Concen: 0.290 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

Tgt Ion: 50 Resp: 495
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

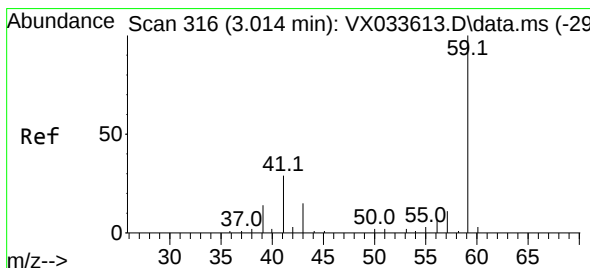
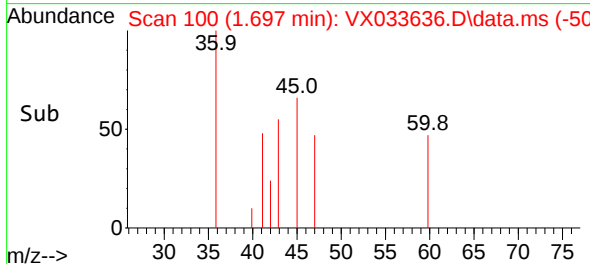
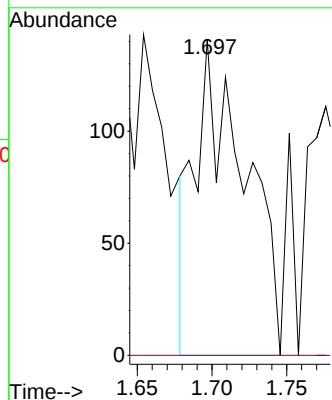
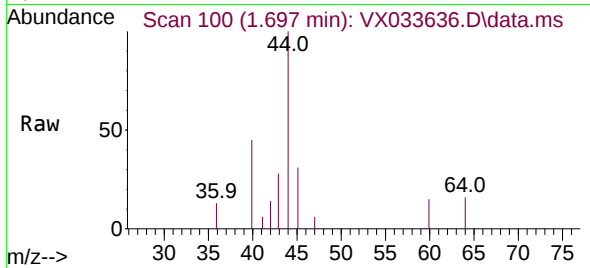




#6
Chloroethane
Concen: 0.372 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.006 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

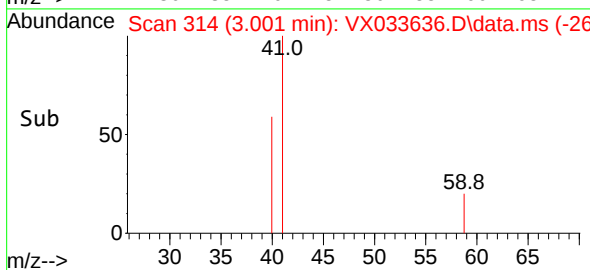
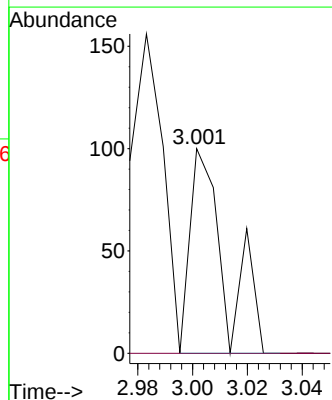
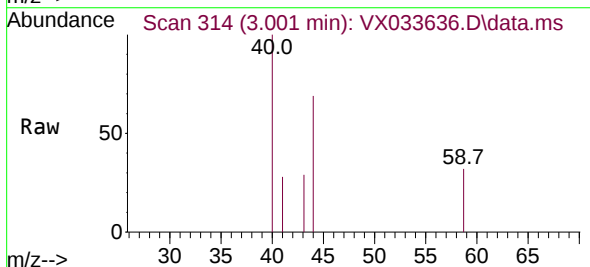
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#13

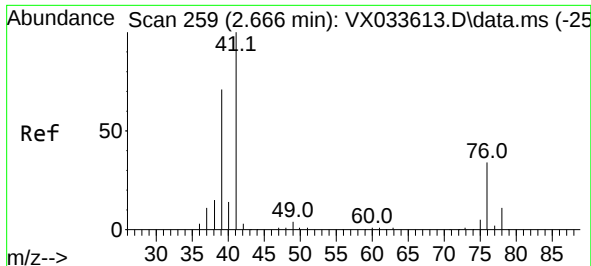
Tgt Ion: 64 Resp: 324
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



#11
Tert butyl alcohol
Concen: 0.286 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.012 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

Tgt Ion: 59 Resp: 89
Ion Ratio Lower Upper
59 100
57 0.0 5.5 8.3#

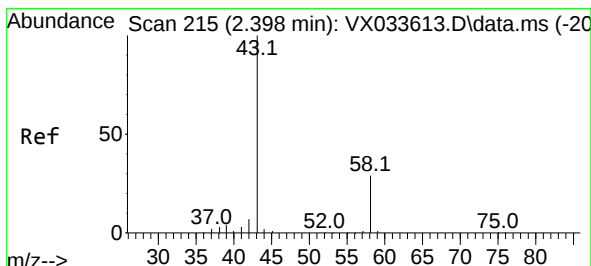
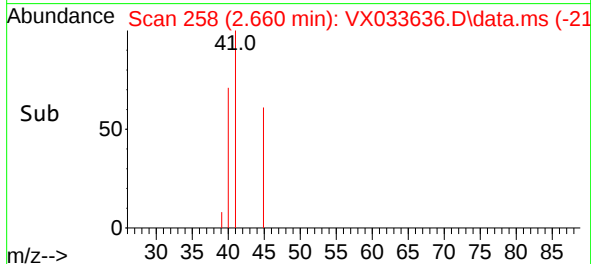
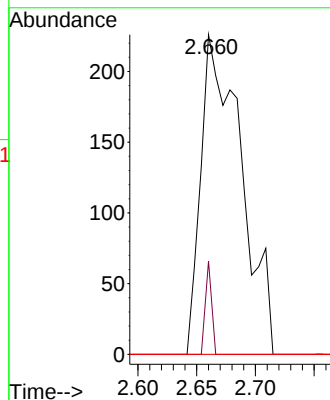
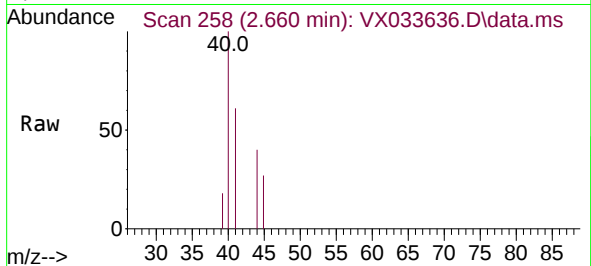




#14
 Allyl chloride
 Concen: 0.205 ug/l
 RT: 2.660 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: VX033636.D
 Acq: 06 Jan 2023 17:20

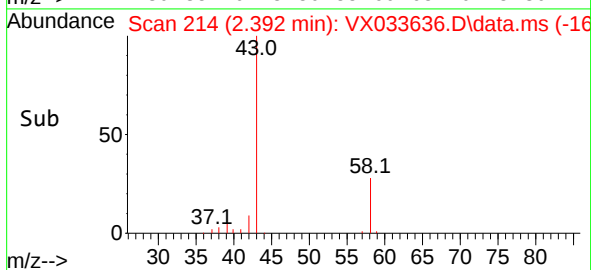
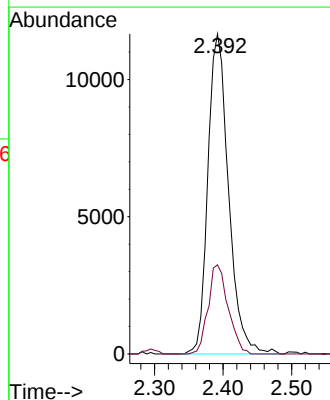
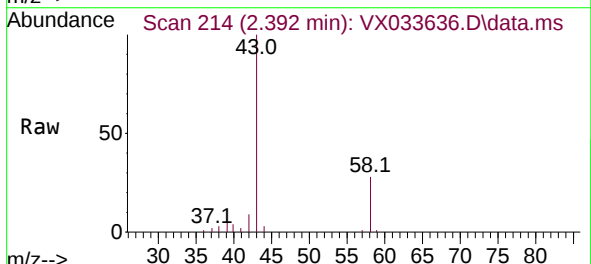
Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#13

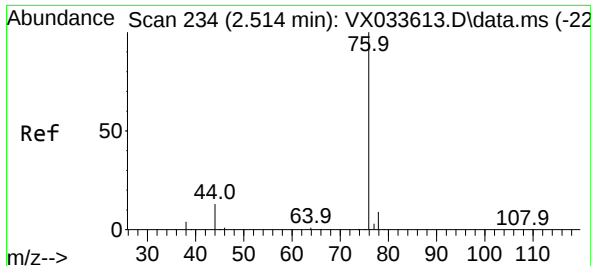
Tgt Ion: 41 Resp: 537
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.3 79.9#
 76 0.0 25.0 37.4#



#16
 Acetone
 Concen: 26.045 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: VX033636.D
 Acq: 06 Jan 2023 17:20

Tgt Ion: 43 Resp: 24443
 Ion Ratio Lower Upper
 43 100
 58 27.8 22.9 34.3





#17

Carbon Disulfide

Concen: 1.656 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX033636.D

Acq: 06 Jan 2023 17:20

Instrument :

MSVOA_X

ClientSampleId :

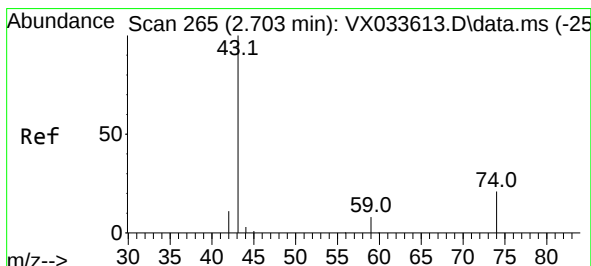
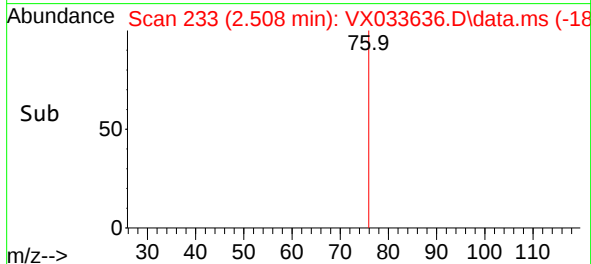
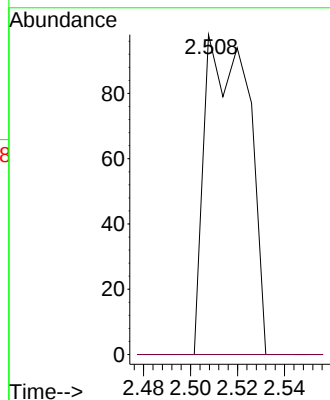
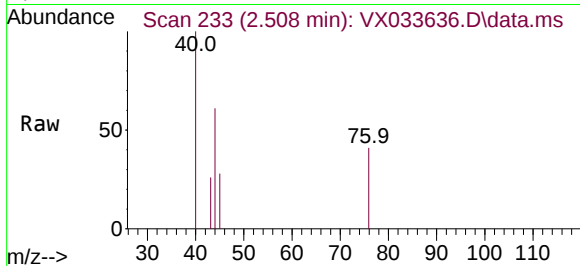
PB050057ZHE#13

Tgt Ion: 76 Resp: 127

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#



#18

Methyl Acetate

Concen: 0.866 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX033636.D

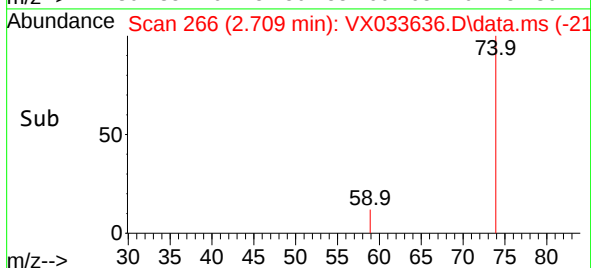
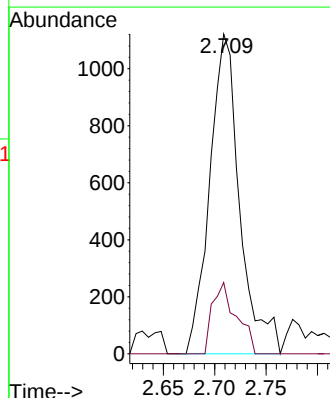
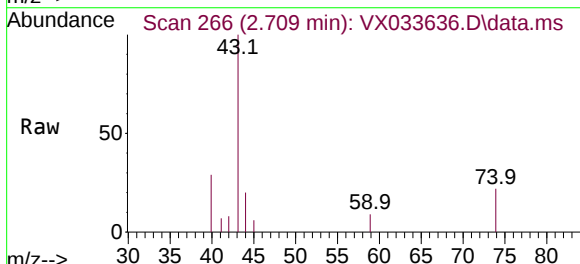
Acq: 06 Jan 2023 17:20

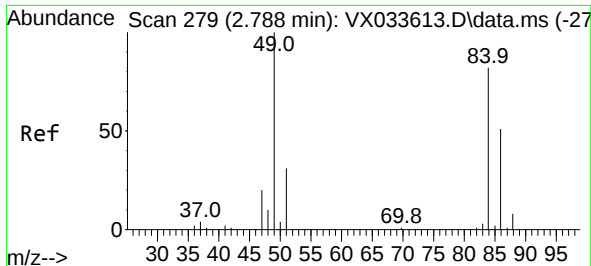
Tgt Ion: 43 Resp: 2276

Ion Ratio Lower Upper

43 100

74 17.8 17.9 26.9#

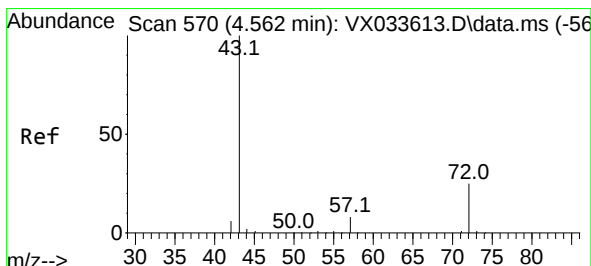
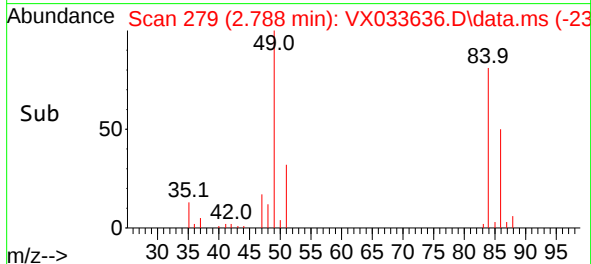
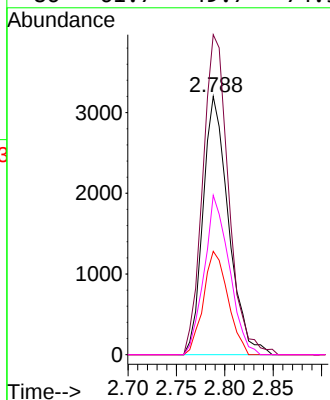
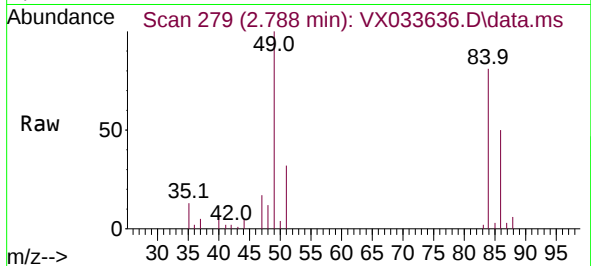




#20
Methylene Chloride
Concen: 1.554 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

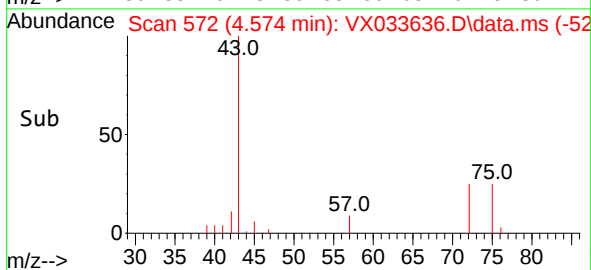
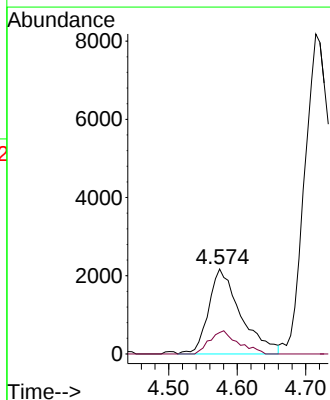
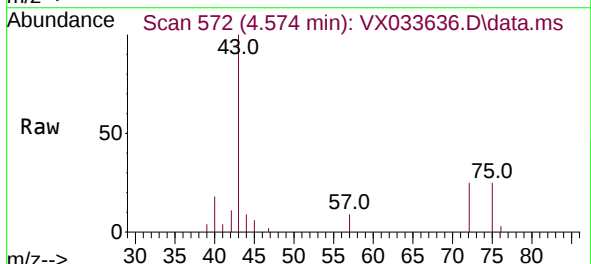
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#13

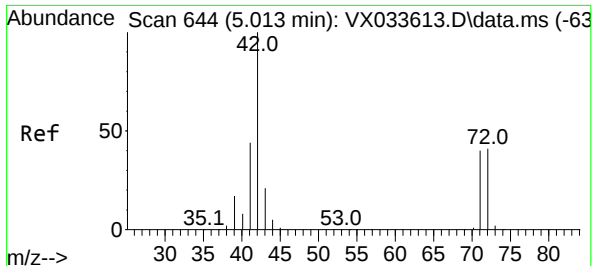
Tgt Ion:	84	Resp:	5890
Ion	Ratio	Lower	Upper
84	100		
49	123.9	97.6	146.4
51	40.1	30.4	45.6
86	61.7	49.7	74.5



#25
2-Butanone
Concen: 5.695 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

Tgt Ion:	43	Resp:	7049
Ion	Ratio	Lower	Upper
43	100		
72	25.1	19.8	29.6





#29

Tetrahydrofuran

Concen: 1.323 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.036 min

Lab File: VX033636.D

Acq: 06 Jan 2023 17:20

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#13

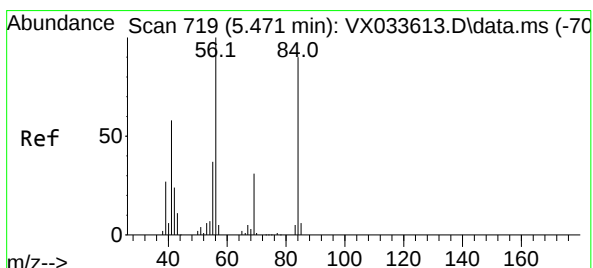
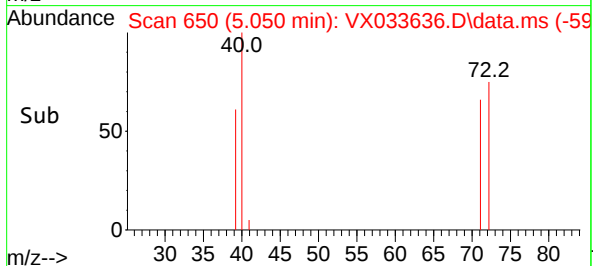
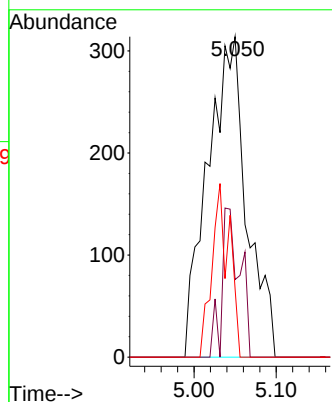
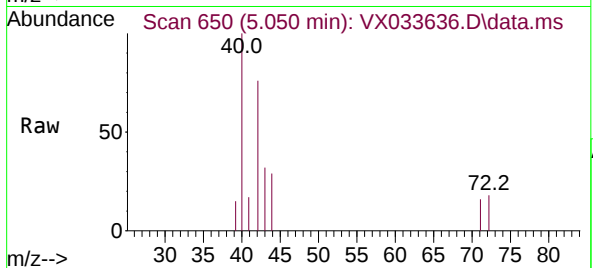
Tgt Ion: 42 Resp: 1039

Ion Ratio Lower Upper

42 100

72 21.4 34.2 51.4#

71 24.3 31.4 47.0#



#31

Cyclohexane

Concen: 1.135 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX033636.D

Acq: 06 Jan 2023 17:20

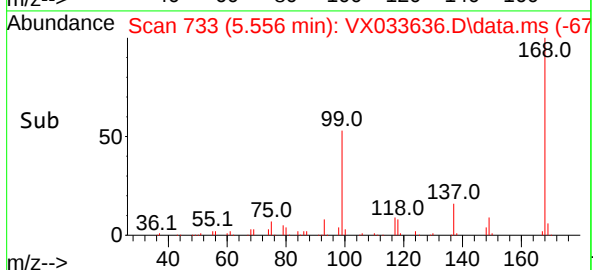
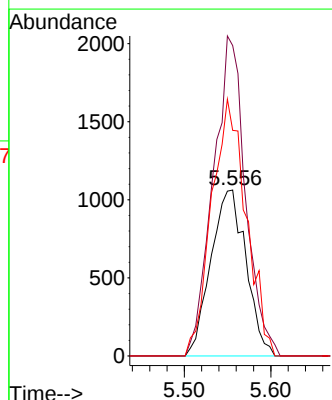
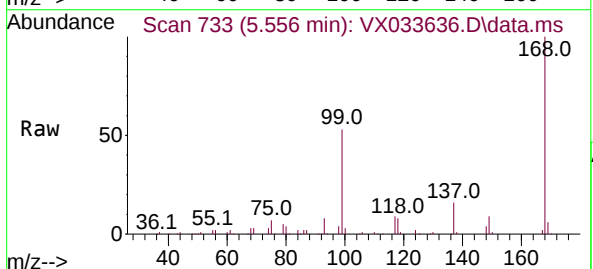
Tgt Ion: 56 Resp: 2995

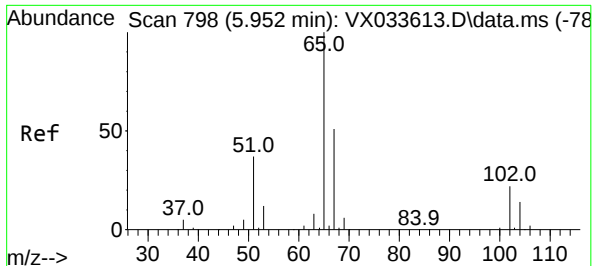
Ion Ratio Lower Upper

56 100

69 187.0 24.6 36.8#

84 148.7 72.2 108.2#





#33

1,2-Dichloroethane-d4

Concen: 49.998 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX033636.D

Acq: 06 Jan 2023 17:20

Instrument :

MSVOA_X

ClientSampleId :

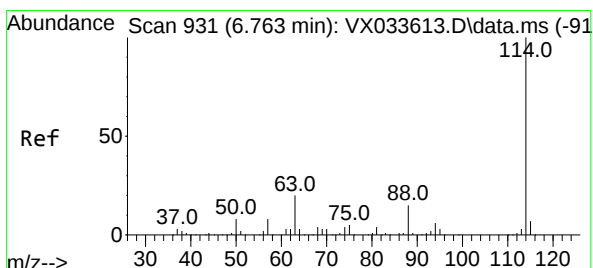
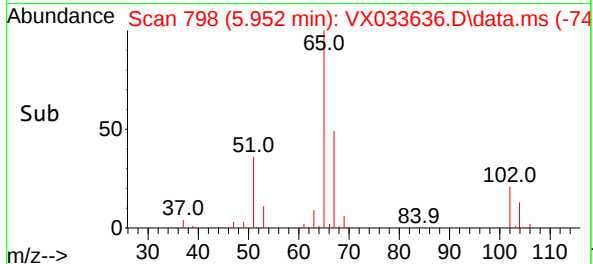
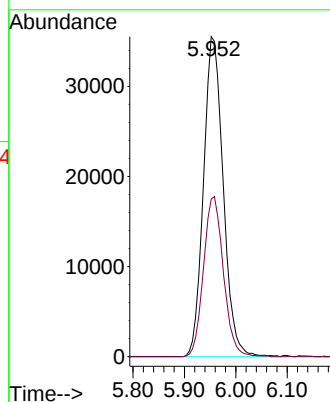
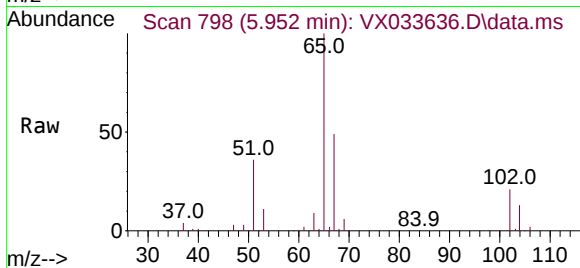
PB050057ZHE#13

Tgt Ion: 65 Resp: 94781

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033636.D

Acq: 06 Jan 2023 17:20

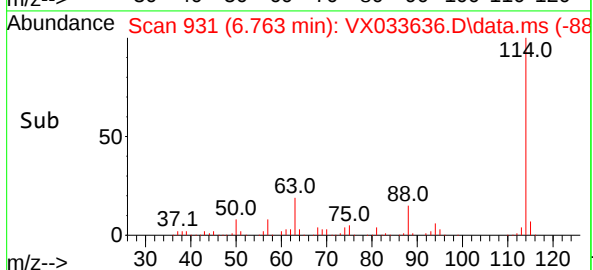
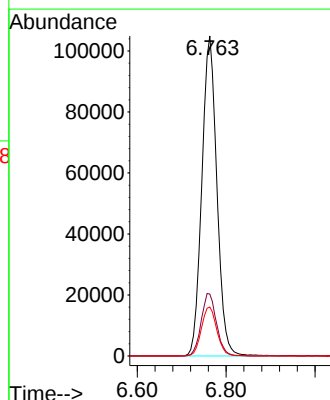
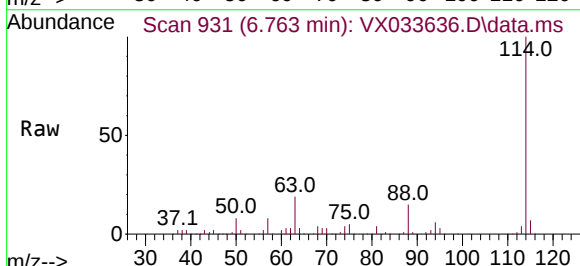
Tgt Ion: 114 Resp: 247326

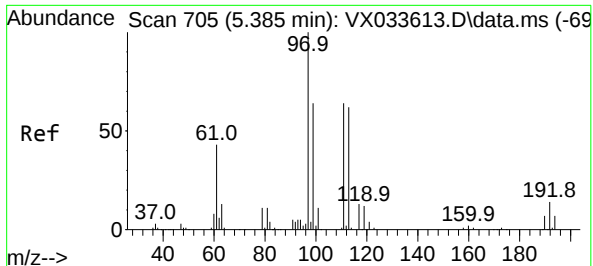
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 47.649 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX033636.D

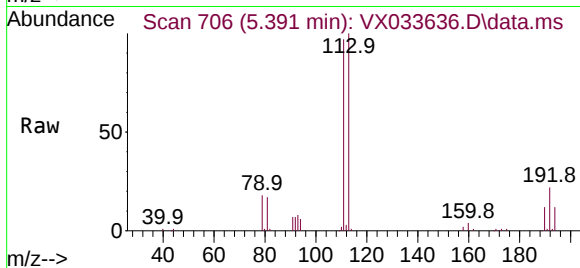
Acq: 06 Jan 2023 17:20

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#13



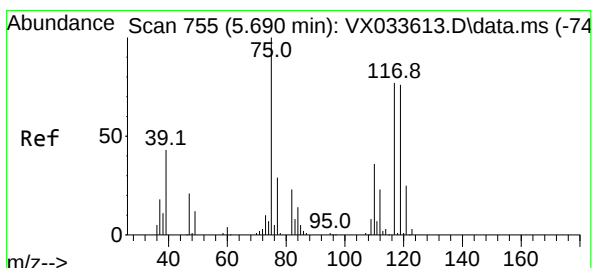
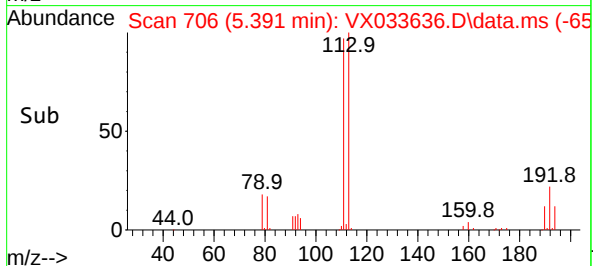
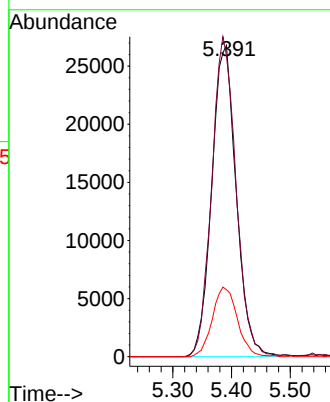
Tgt Ion:113 Resp: 77460

Ion Ratio Lower Upper

113 100

111 102.0 81.2 121.8

192 22.9 18.2 27.2



#36

1,1-Dichloropropene

Concen: 5.317 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX033636.D

Acq: 06 Jan 2023 17:20

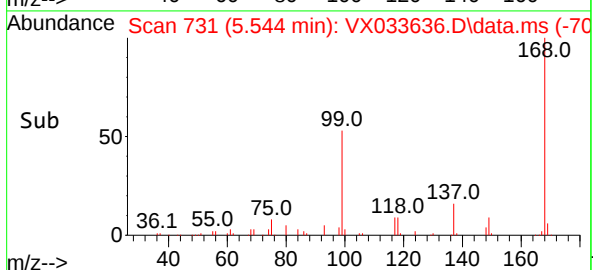
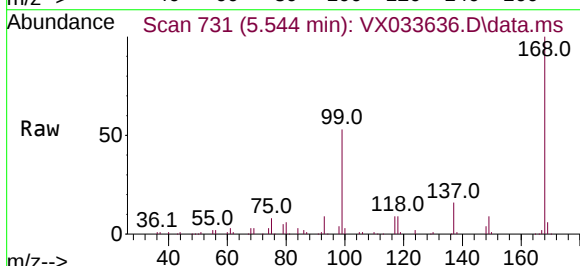
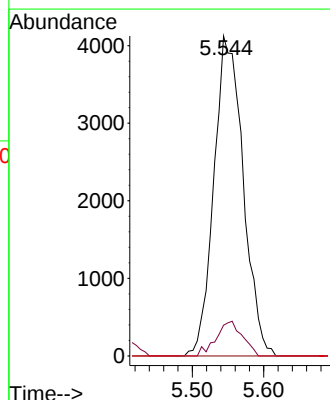
Tgt Ion: 75 Resp: 11708

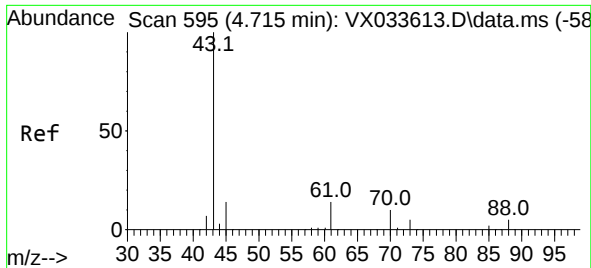
Ion Ratio Lower Upper

75 100

110 9.8 18.0 54.0#

77 0.0 24.5 36.7#

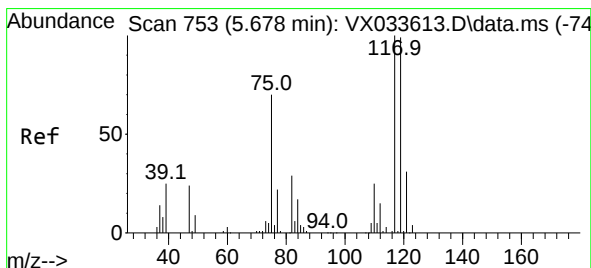
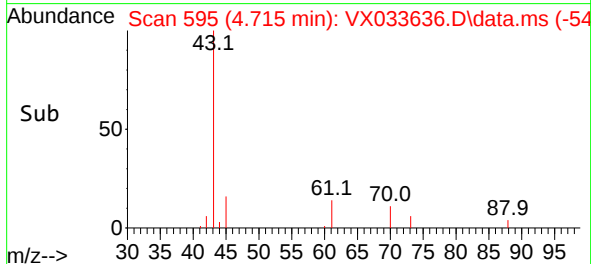
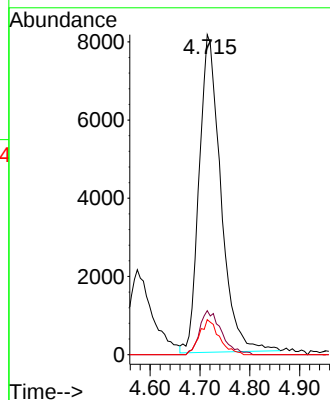
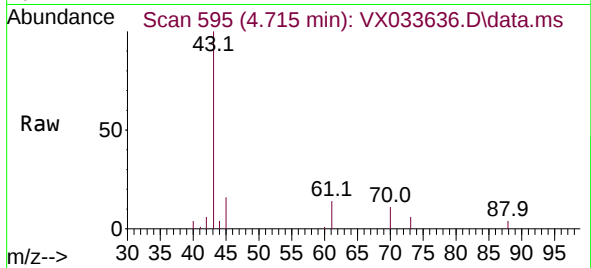




#37
Ethyl Acetate
Concen: 8.293 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

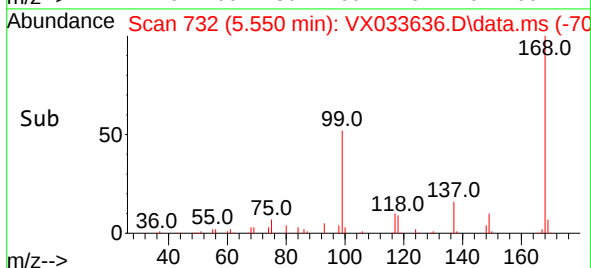
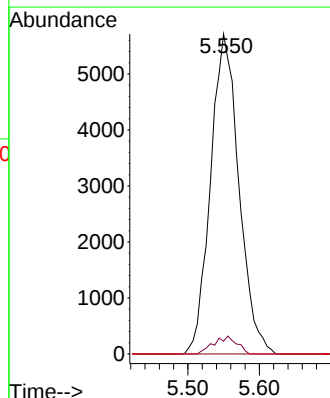
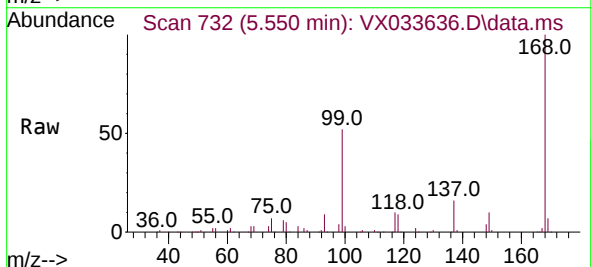
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#13

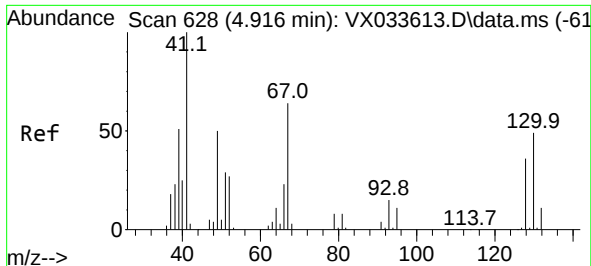
Tgt Ion:	43	Resp:	24559
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.6	16.0
70	10.0	8.1	12.1



#38
Carbon Tetrachloride
Concen: 6.762 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

Tgt Ion:	117	Resp:	15758
Ion	Ratio	Lower	Upper
117	100		
119	4.0	78.8	118.2#
121	0.0	24.9	37.3#

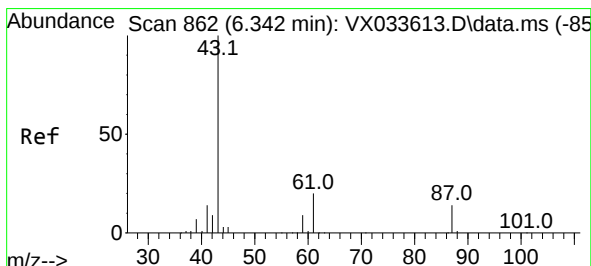
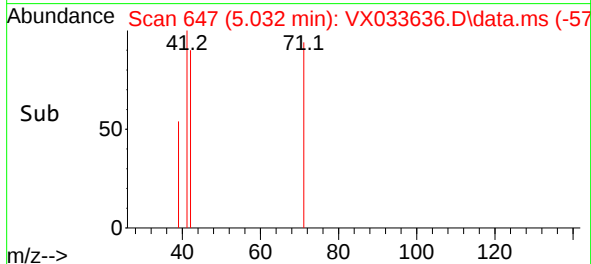
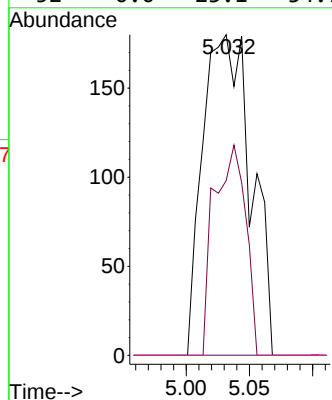
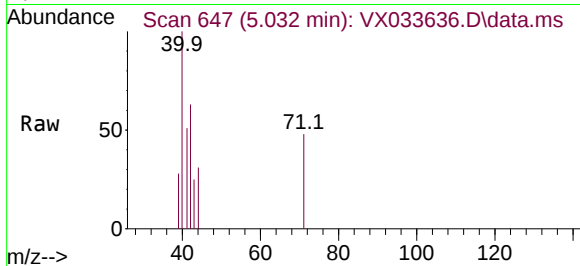




#41
Methacrylonitrile
Concen: 0.358 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

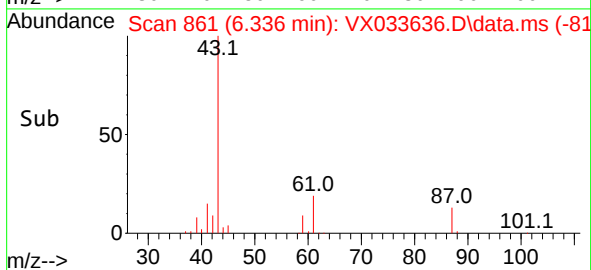
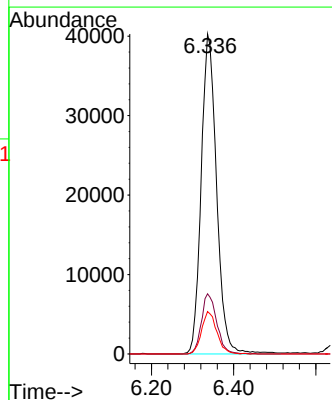
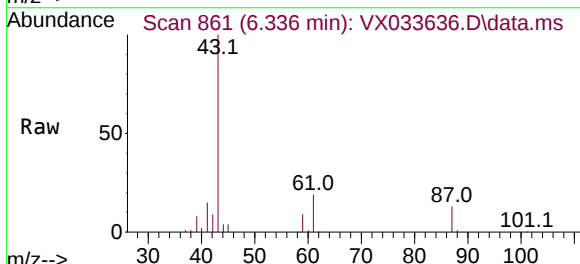
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#13

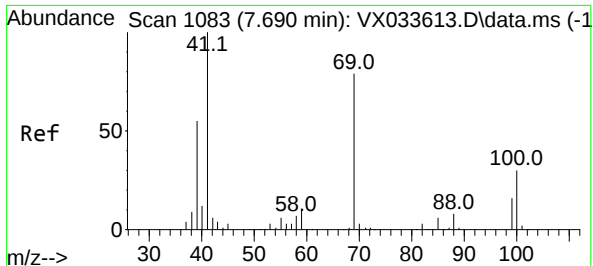
Tgt Ion:	41	Resp:	479
Ion	Ratio	Lower	Upper
41	100		
39	42.8	44.1	66.1#
67	0.0	53.8	80.6#
52	0.0	23.1	34.7#



#43
Isopropyl Acetate
Concen: 27.871 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

Tgt Ion:	43	Resp:	104933
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.2	22.8
87	13.0	10.6	16.0





#48

Methyl methacrylate

Concen: 49.699 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX033636.D

Acq: 06 Jan 2023 17:20

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#13

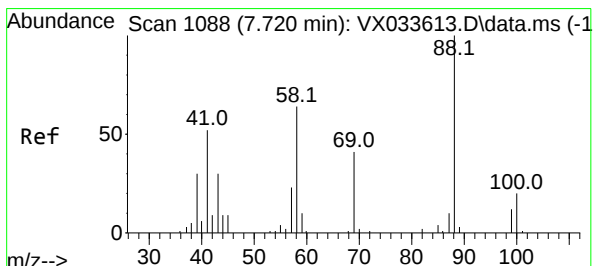
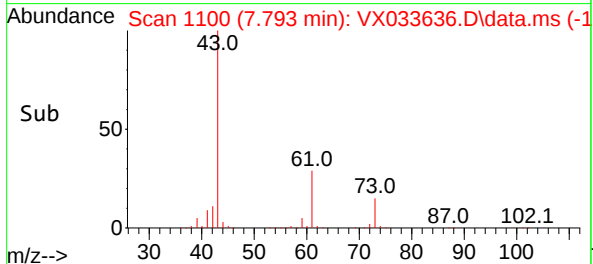
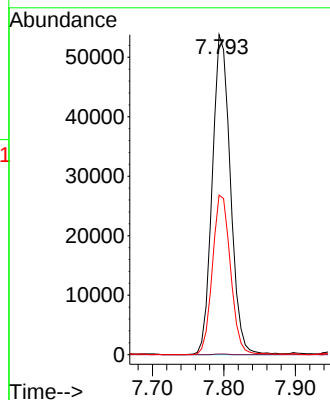
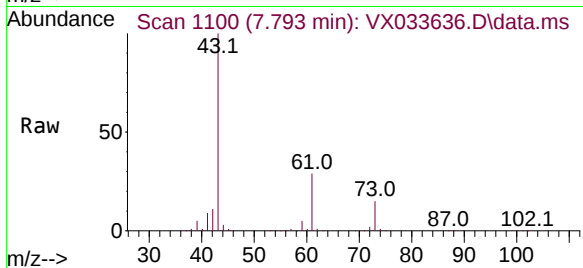
Tgt Ion: 41 Resp: 94714

Ion Ratio Lower Upper

41 100

69 0.1 63.1 94.7#

39 49.9 44.8 67.2



#49

1,4-Dioxane

Concen: 4.613 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.073 min

Lab File: VX033636.D

Acq: 06 Jan 2023 17:20

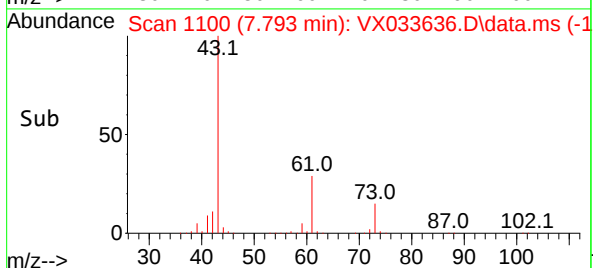
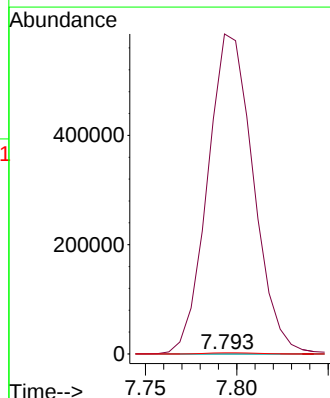
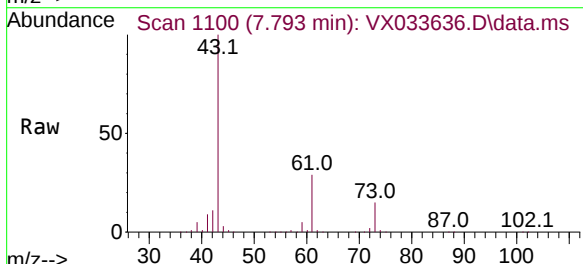
Tgt Ion: 88 Resp: 187

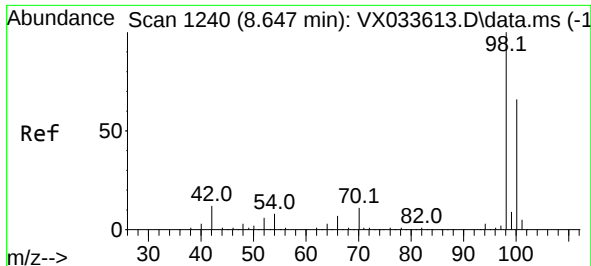
Ion Ratio Lower Upper

88 100

43 548173.8 24.1 36.1#

58 2176.5 57.1 85.7#

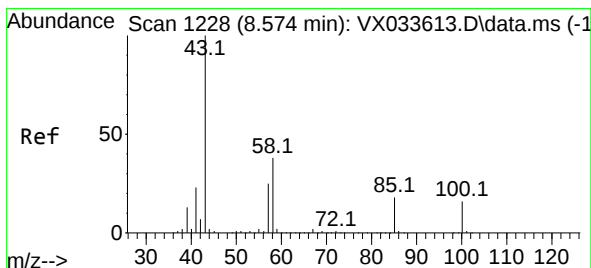
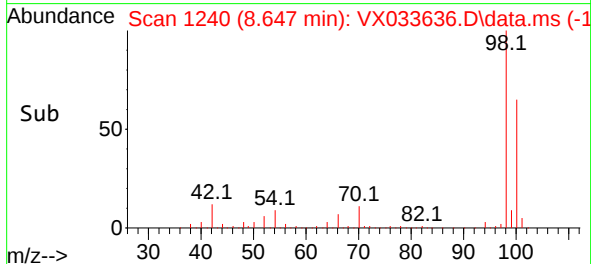
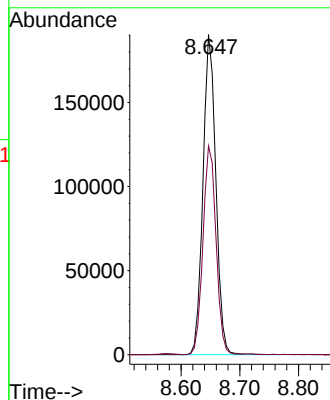
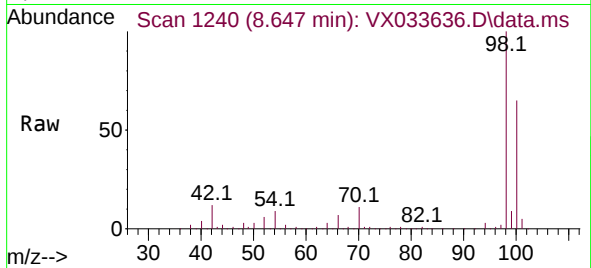




#50
Toluene-d8
Concen: 49.847 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

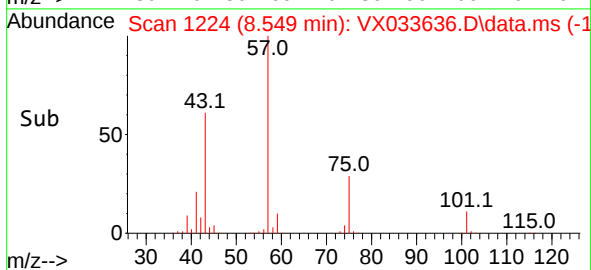
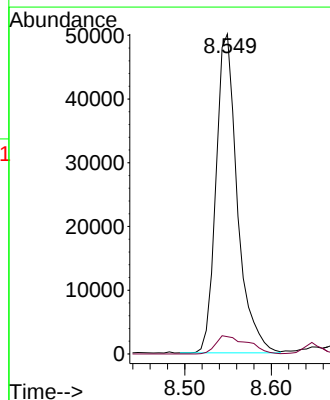
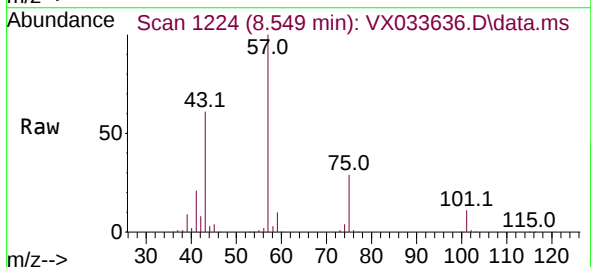
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#13

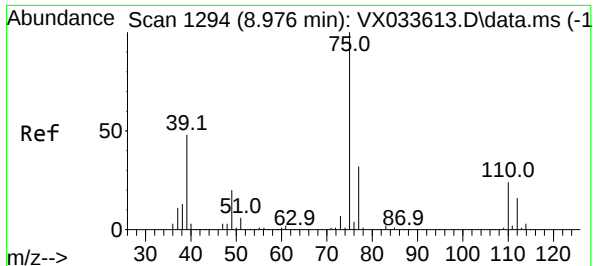
Tgt Ion: 98 Resp: 289634
Ion Ratio Lower Upper
98 100
100 66.2 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 35.914 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

Tgt Ion: 43 Resp: 85581
Ion Ratio Lower Upper
43 100
58 8.7 30.5 45.7#





#53

t-1,3-Dichloropropene

Concen: 0.402 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033636.D

Acq: 06 Jan 2023 17:20

Instrument :

MSVOA_X

ClientSampleId :

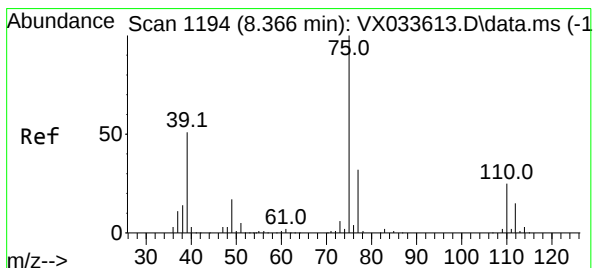
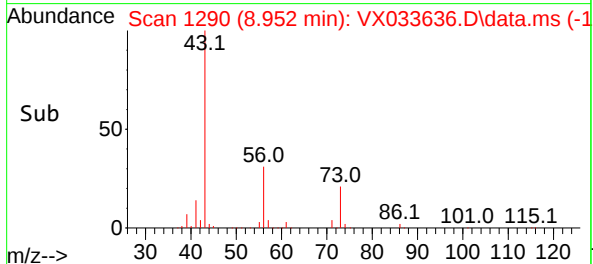
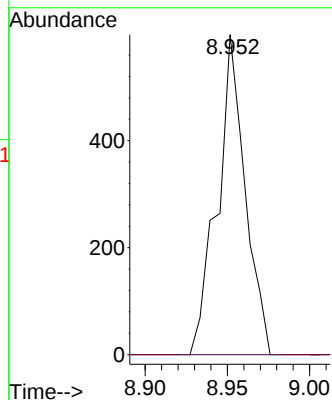
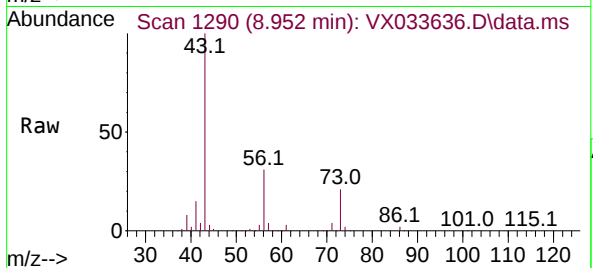
PB050057ZHE#13

Tgt Ion: 75 Resp: 702

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#



#54

cis-1,3-Dichloropropene

Concen: 14.832 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033636.D

Acq: 06 Jan 2023 17:20

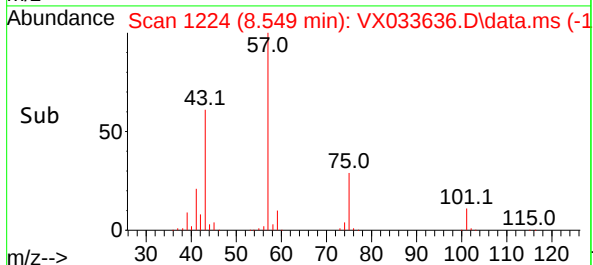
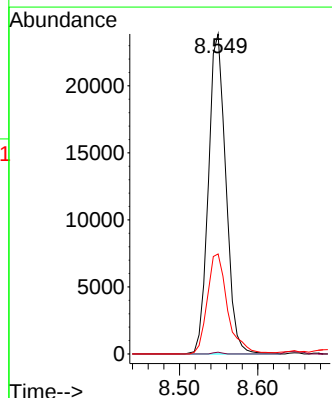
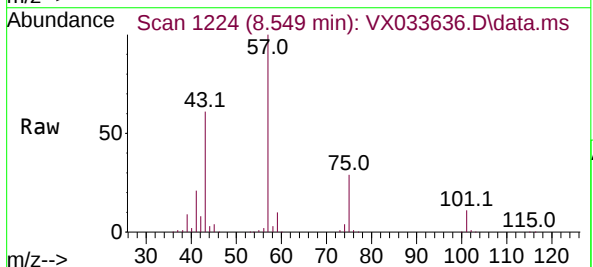
Tgt Ion: 75 Resp: 36918

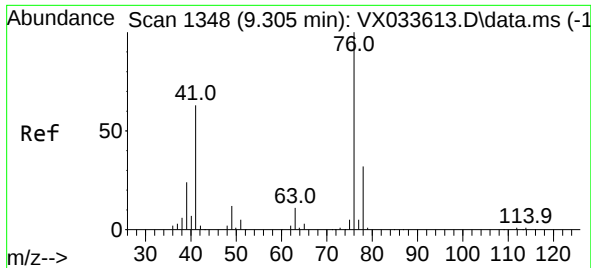
Ion Ratio Lower Upper

75 100

77 0.5 25.5 38.3#

39 31.2 40.6 61.0#

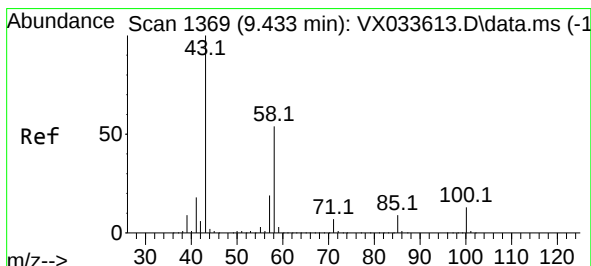
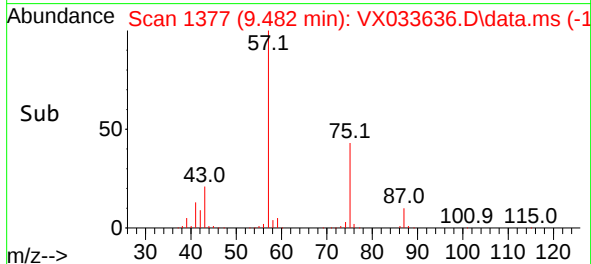
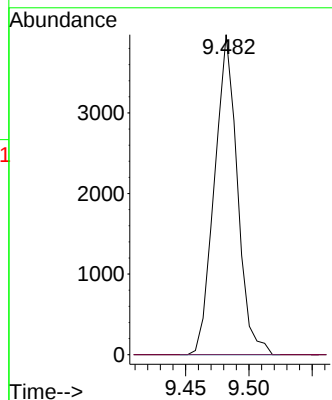
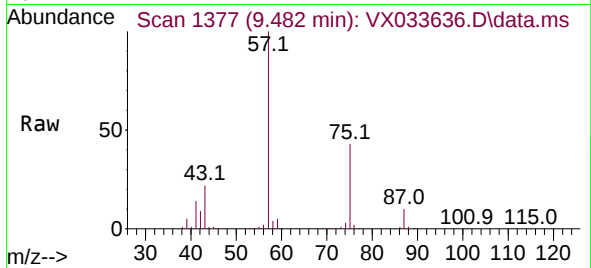




#57
1,3-Dichloropropane
Concen: 1.763 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

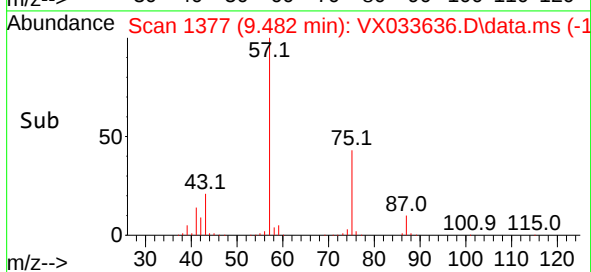
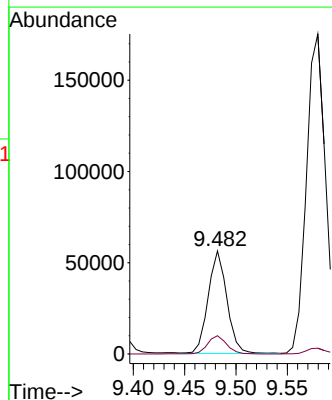
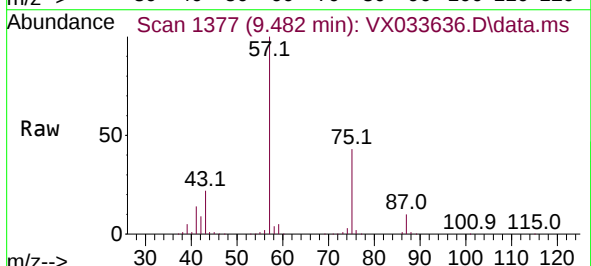
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#13

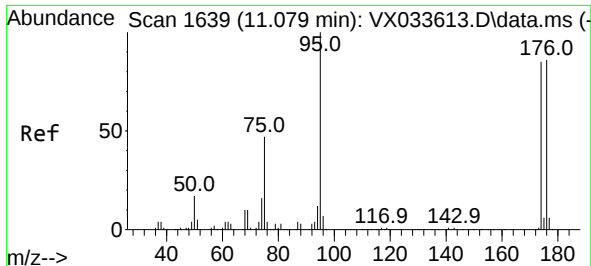
Tgt Ion: 76 Resp: 4998
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 40.642 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

Tgt Ion: 43 Resp: 71542
Ion Ratio Lower Upper
43 100
58 18.2 26.6 79.8#

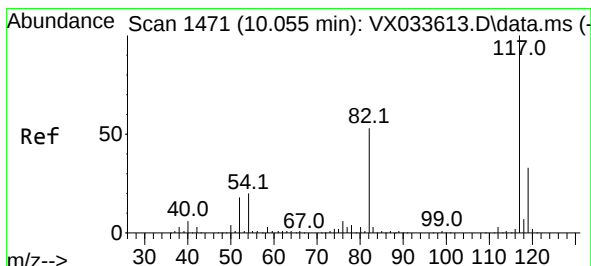
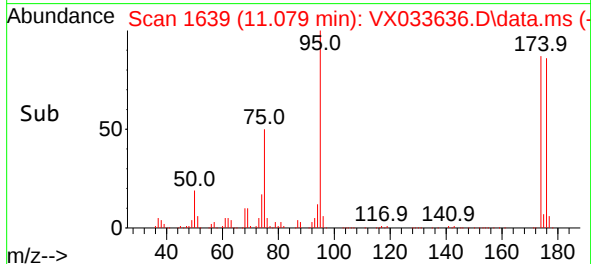
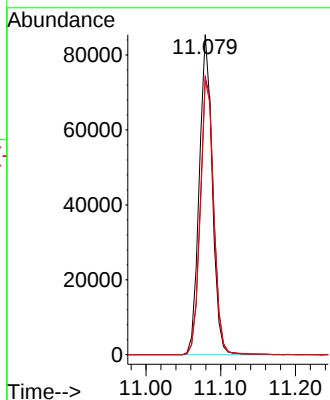
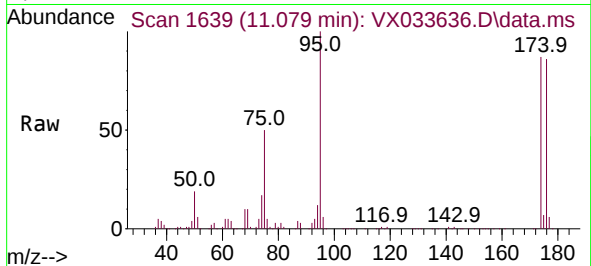




#62
4-Bromofluorobenzene
Concen: 50.058 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

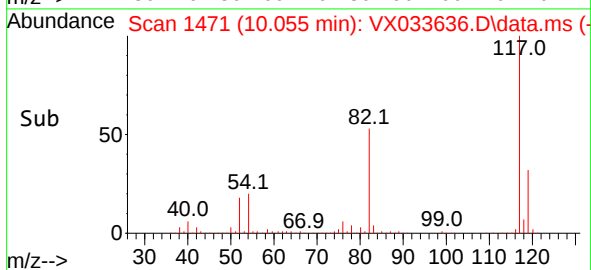
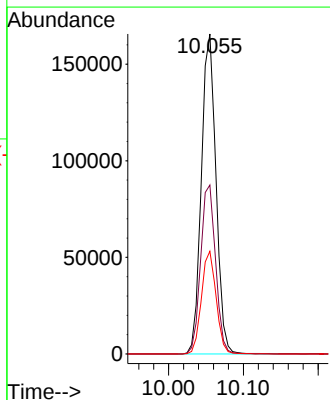
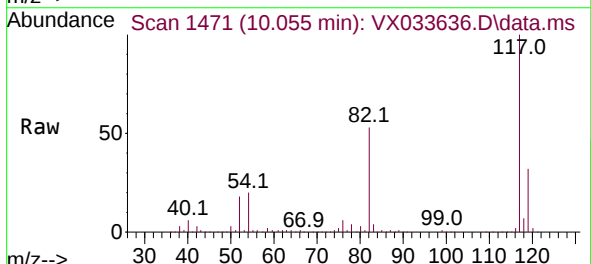
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#13

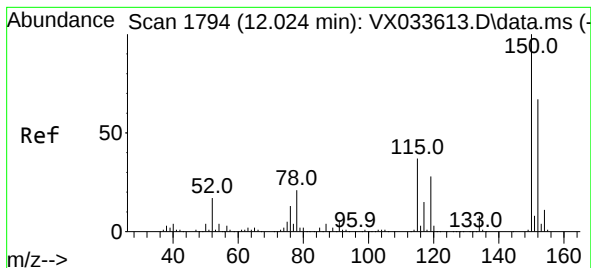
Tgt Ion: 95 Resp: 103098
Ion Ratio Lower Upper
95 100
174 90.6 0.0 180.4
176 88.4 0.0 176.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

Tgt Ion: 117 Resp: 225343
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.2
119 32.1 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033636.D

Acq: 06 Jan 2023 17:20

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#13

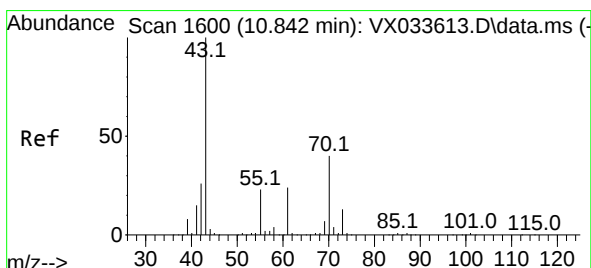
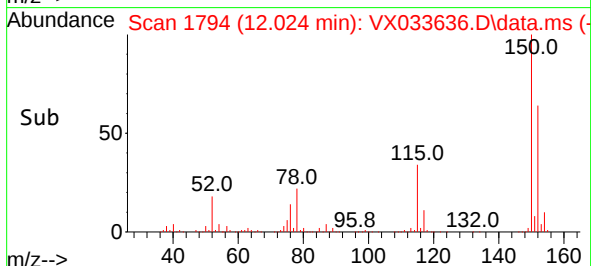
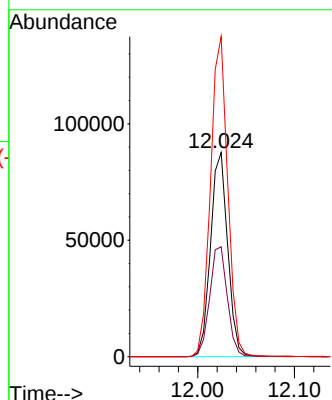
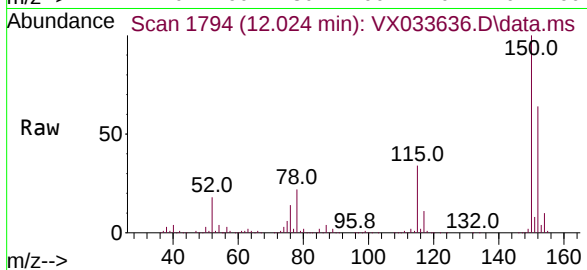
Tgt Ion:152 Resp: 108280

Ion Ratio Lower Upper

152 100

115 55.6 38.5 115.5

150 157.0 0.0 340.4



#74

N-ethyl acetate

Concen: 9.009 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX033636.D

Acq: 06 Jan 2023 17:20

Tgt Ion: 43 Resp: 27915

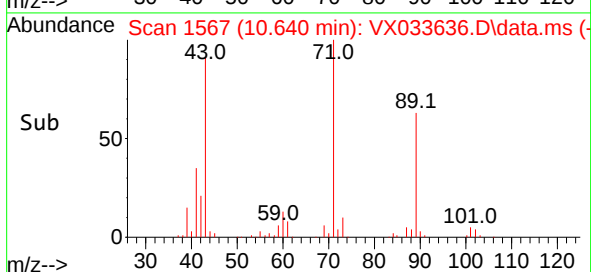
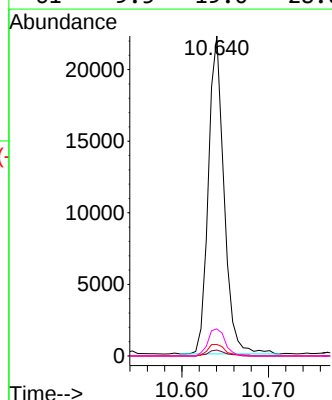
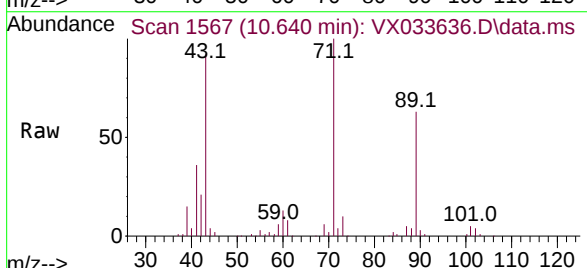
Ion Ratio Lower Upper

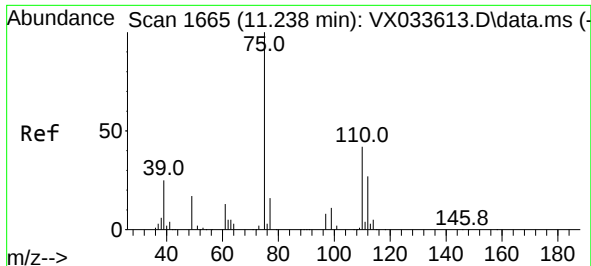
43 100

70 2.1 33.4 50.0#

55 4.2 18.6 27.8#

61 9.5 19.0 28.6#

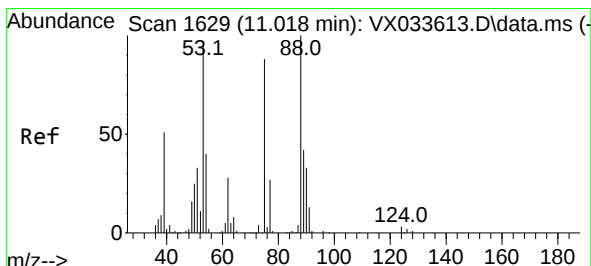
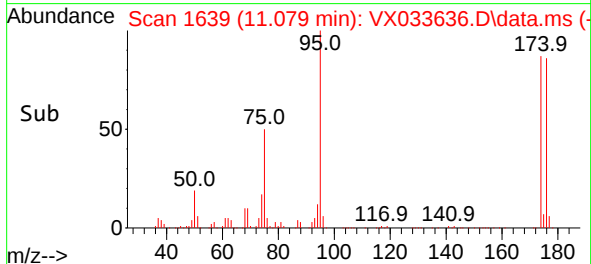
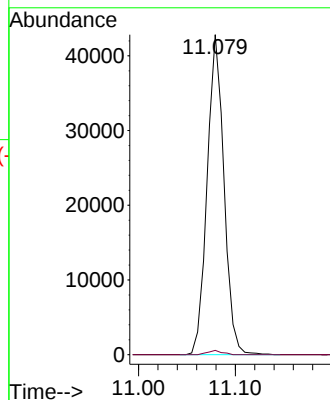
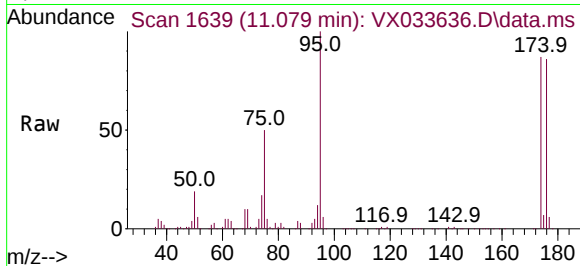




#76
1,2,3-Trichloropropane
Concen: 26.150 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

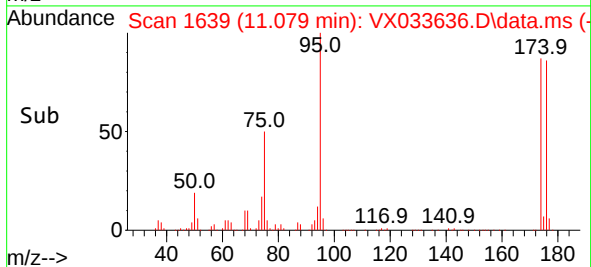
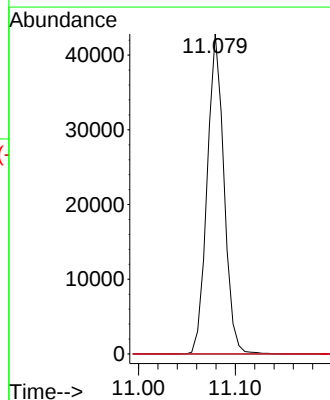
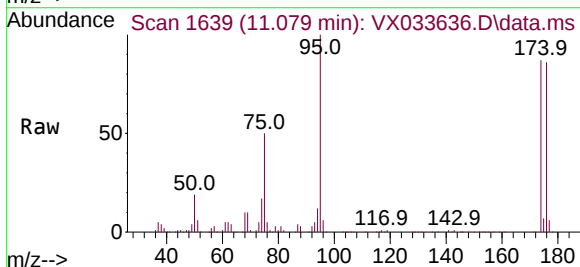
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#13

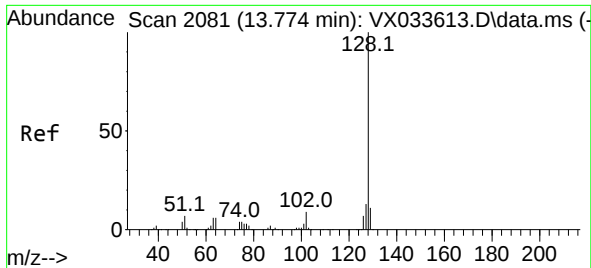
Tgt Ion: 75 Resp: 51875
Ion Ratio Lower Upper
75 100
77 1.2 21.3 63.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.370 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

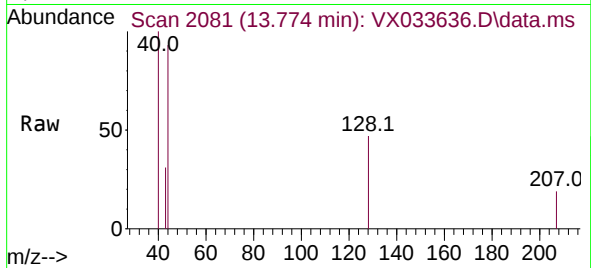
Tgt Ion: 75 Resp: 51875
Ion Ratio Lower Upper
75 100
53 0.0 86.4 129.6#
89 0.0 37.4 56.2#





#95
Naphthalene
Concen: 3.136 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX033636.D
Acq: 06 Jan 2023 17:20

Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#13



Tgt Ion:128 Resp: 153
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 9.0 13.4#

