

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033629.D
 Acq On : 06 Jan 2023 14:38
 Operator : JC/MD
 Sample : PB050057ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

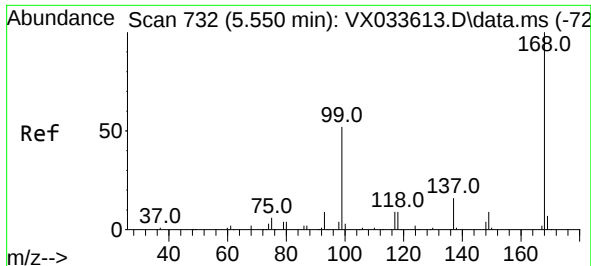
Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#06

Quant Time: Jan 07 04:24:46 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	170416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246535	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93455	48.579	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.160%		
35) Dibromofluoromethane	5.385	113	75821	46.790	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.580%		
50) Toluene-d8	8.647	98	287030	49.557	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.120%		
62) 4-Bromofluorobenzene	11.079	95	102918	50.131	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.260%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	748	0.432	ug/l #	42
11) Tert butyl alcohol	3.013	59	143	0.452	ug/l #	80
16) Acetone	2.398	43	24797	26.032	ug/l	95
17) Carbon Disulfide	2.514	76	170	1.667	ug/l #	74
18) Methyl Acetate	2.709	43	1510	0.566	ug/l	98
20) Methylene Chloride	2.788	84	5216	1.062	ug/l	98
25) 2-Butanone	4.574	43	7208	5.738	ug/l #	88
29) Tetrahydrofuran	5.044	42	1086	1.363	ug/l #	78
31) Cyclohexane	5.550	56	3139	1.172	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	11240	5.121	ug/l #	49
37) Ethyl Acetate	4.720	43	24310	8.220	ug/l	98
38) Carbon Tetrachloride	5.556	117	16017	6.895	ug/l #	15
41) Methacrylonitrile	5.025	41	677	0.508	ug/l #	40
43) Isopropyl Acetate	6.342	43	106611	28.408	ug/l	99
48) Methyl methacrylate	7.799	41	95879	50.472	ug/l #	44
49) 1,4-Dioxane	7.793	88	134	3.316	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	88276	37.164	ug/l #	52
53) t-1,3-Dichloropropene	8.951	75	643	0.379	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37571	15.142	ug/l #	60
56) Ethyl methacrylate	9.244	69	677	0.274	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4984	1.763	ug/l #	42
59) 2-Hexanone	9.482	43	73146	41.686	ug/l #	51
74) N-amyl acetate	10.640	43	28268	9.230	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	50358	25.684	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.451	105	1411	0.227	ug/l	89
81) trans-1,4-Dichloro-2-b...	11.079	75	50358	77.954	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	64	1.620	ug/l #	24
95) Naphthalene	13.780	128	374	3.164	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.969	180	25	3.758	ug/l #	82

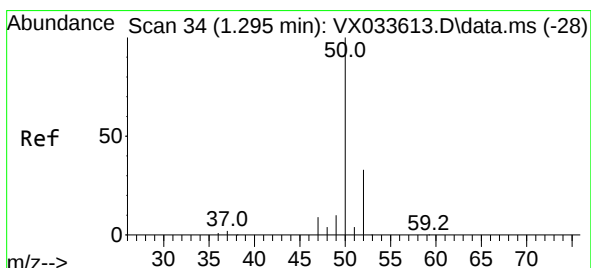
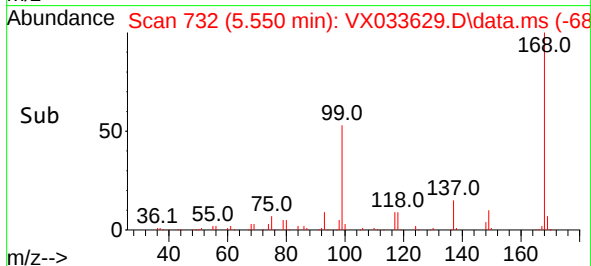
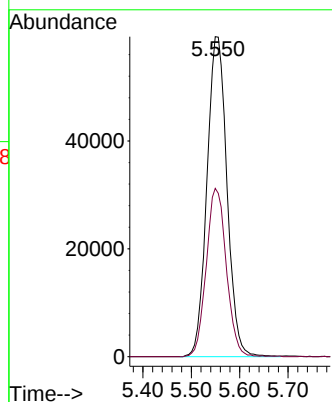
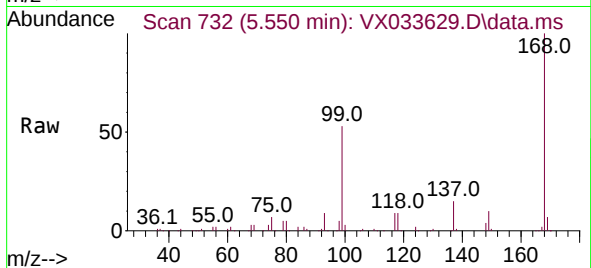
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

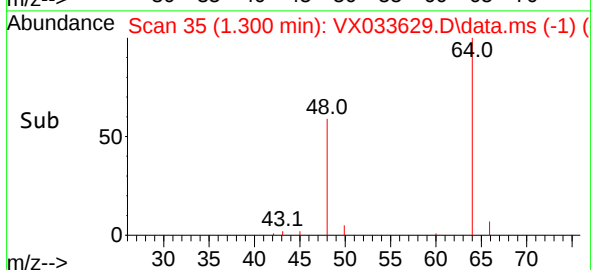
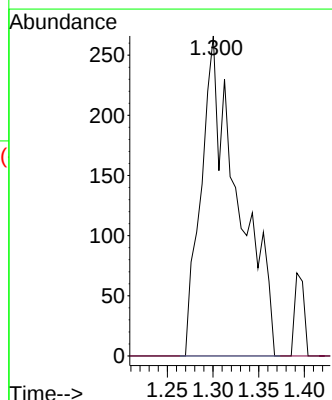
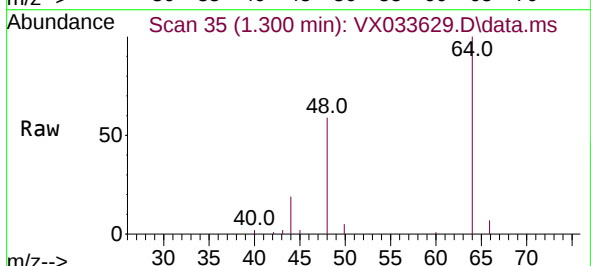
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#06

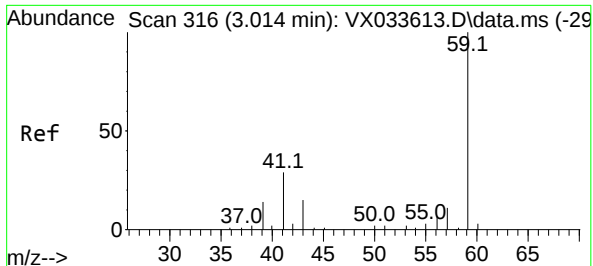
Tgt Ion:168 Resp: 170416
Ion Ratio Lower Upper
168 100
99 52.6 41.4 62.2



#3
Chloromethane
Concen: 0.432 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

Tgt Ion: 50 Resp: 748
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#





#11

Tert butyl alcohol

Concen: 0.452 ug/l

RT: 3.013 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX033629.D

Acq: 06 Jan 2023 14:38

Instrument :

MSVOA_X

ClientSampleId :

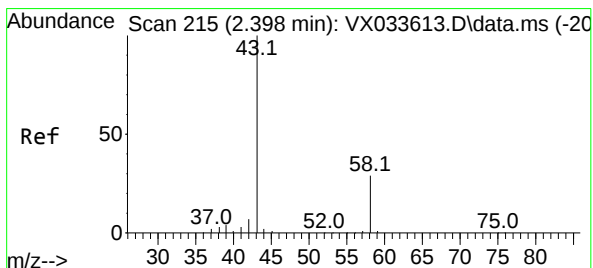
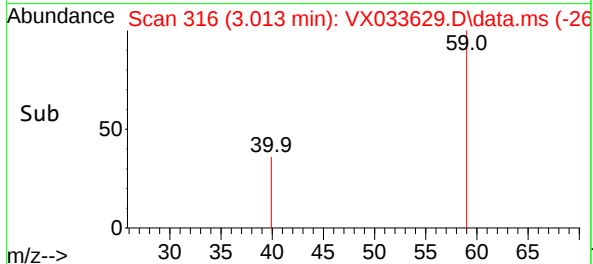
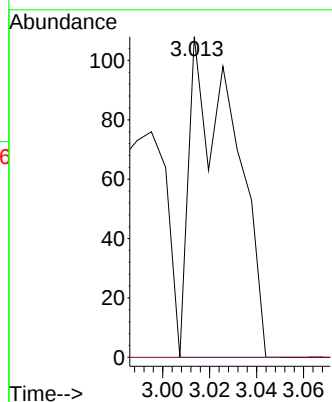
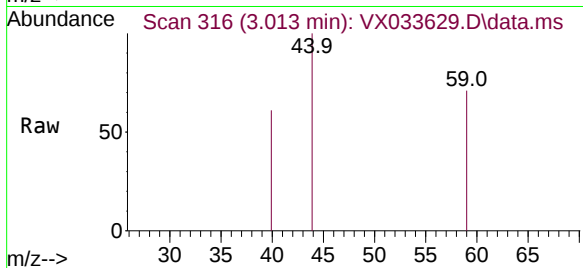
PB050057ZHE#06

Tgt Ion: 59 Resp: 143

Ion Ratio Lower Upper

59 100

57 0.0 5.5 8.3#



#16

Acetone

Concen: 26.032 ug/l

RT: 2.398 min Scan# 215

Delta R.T. -0.000 min

Lab File: VX033629.D

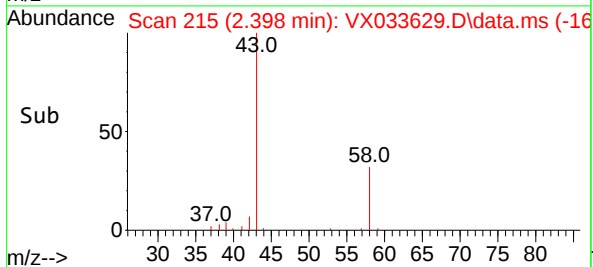
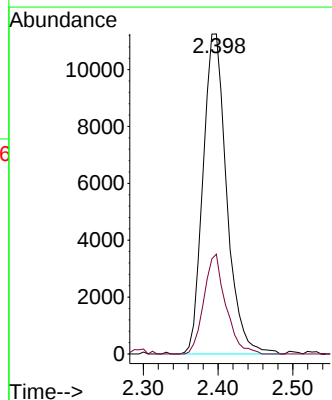
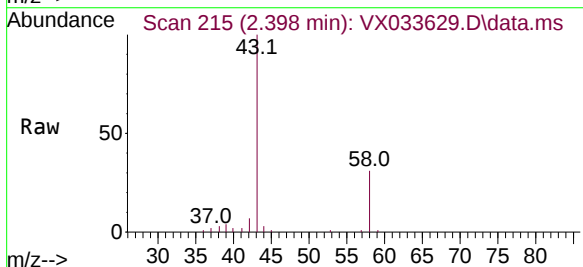
Acq: 06 Jan 2023 14:38

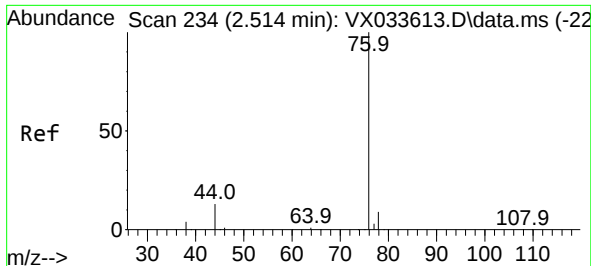
Tgt Ion: 43 Resp: 24797

Ion Ratio Lower Upper

43 100

58 31.2 22.9 34.3





#17

Carbon Disulfide

Concen: 1.667 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033629.D

Acq: 06 Jan 2023 14:38

Instrument :

MSVOA_X

ClientSampleId :

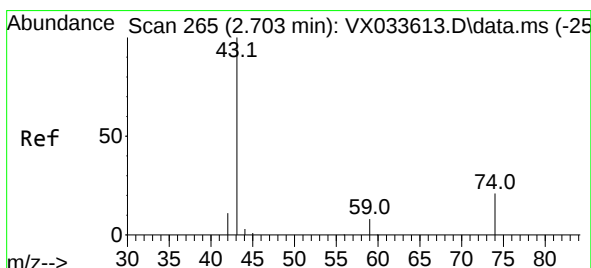
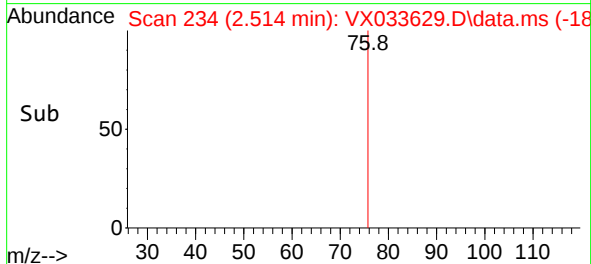
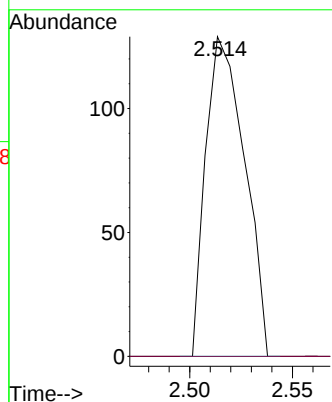
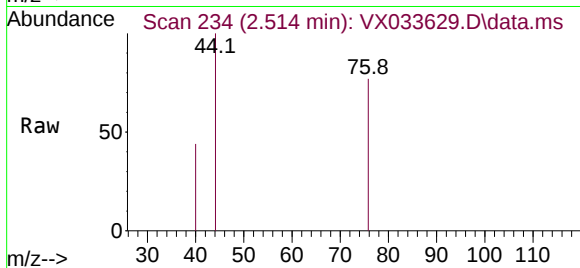
PB050057ZHE#06

Tgt Ion: 76 Resp: 170

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#



#18

Methyl Acetate

Concen: 0.566 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX033629.D

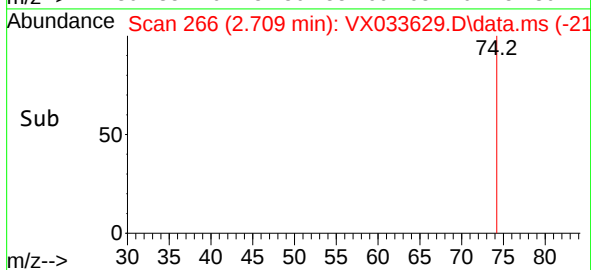
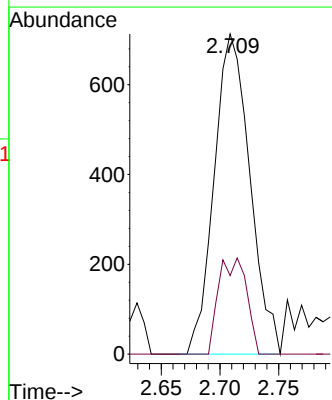
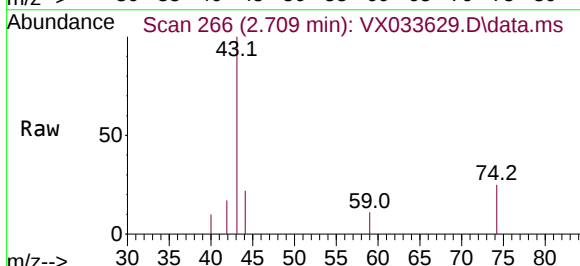
Acq: 06 Jan 2023 14:38

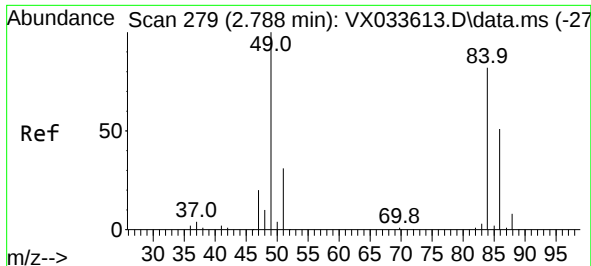
Tgt Ion: 43 Resp: 1510

Ion Ratio Lower Upper

43 100

74 23.4 17.9 26.9





#20

Methylene Chloride

Concen: 1.062 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX033629.D

Acq: 06 Jan 2023 14:38

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#06

Tgt Ion: 84 Resp: 5216

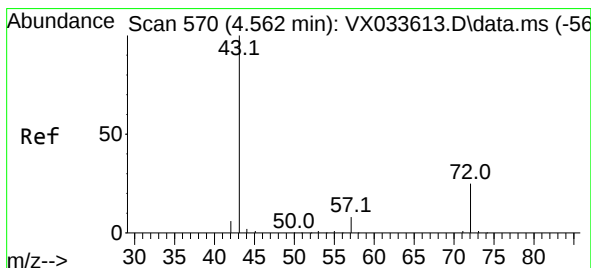
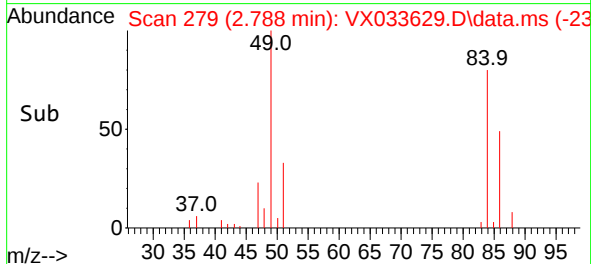
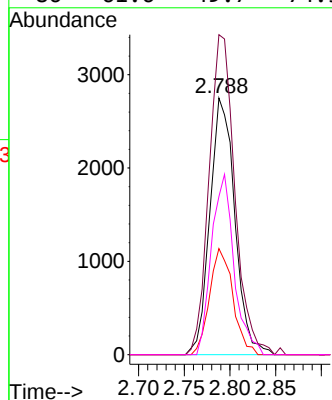
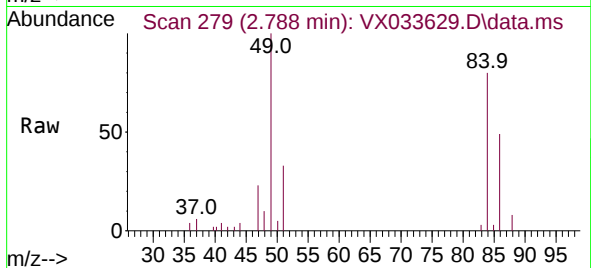
Ion Ratio Lower Upper

84 100

49 124.7 97.6 146.4

51 41.3 30.4 45.6

86 61.6 49.7 74.5



#25

2-Butanone

Concen: 5.738 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX033629.D

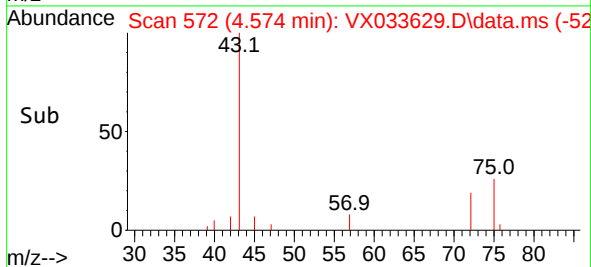
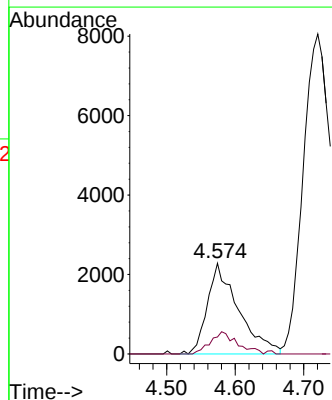
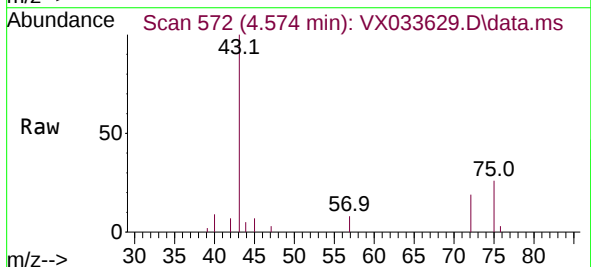
Acq: 06 Jan 2023 14:38

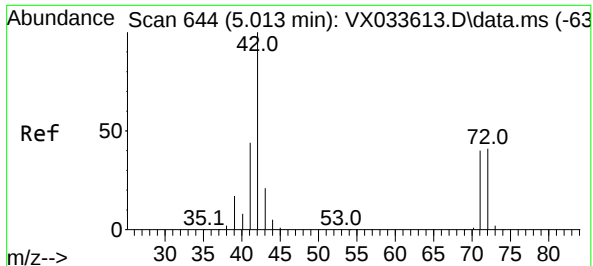
Tgt Ion: 43 Resp: 7208

Ion Ratio Lower Upper

43 100

72 18.7 19.8 29.6#





#29

Tetrahydrofuran

Concen: 1.363 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.030 min

Lab File: VX033629.D

Acq: 06 Jan 2023 14:38

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#06

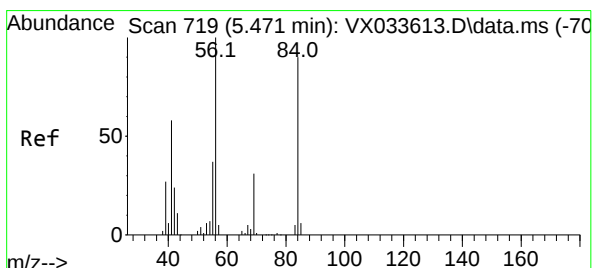
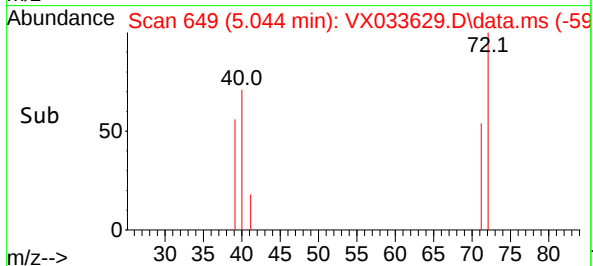
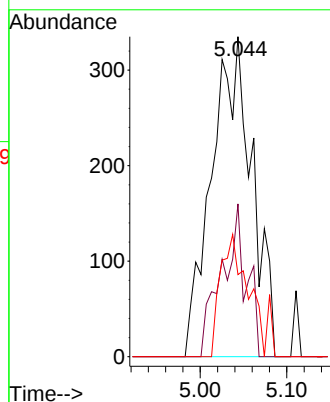
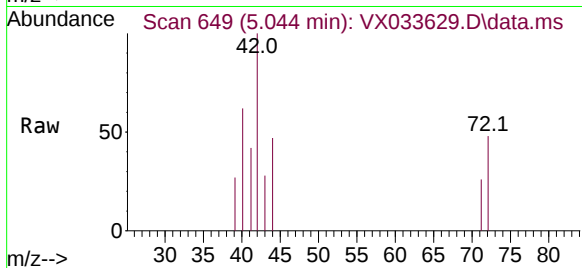
Tgt Ion: 42 Resp: 1086

Ion Ratio Lower Upper

42 100

72 29.2 34.2 51.4#

71 25.6 31.4 47.0#



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033629.D

Acq: 06 Jan 2023 14:38

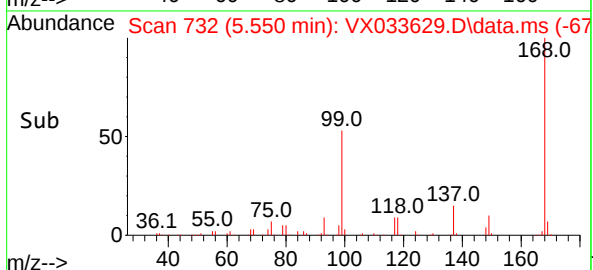
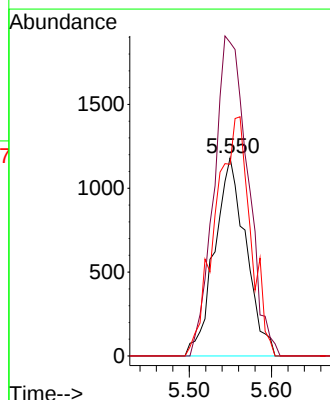
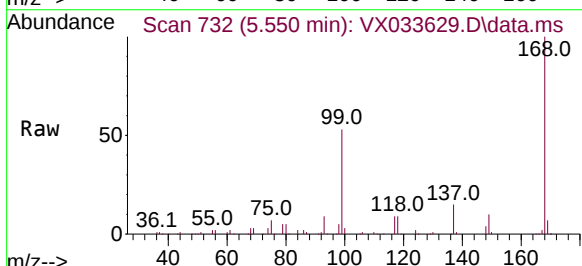
Tgt Ion: 56 Resp: 3139

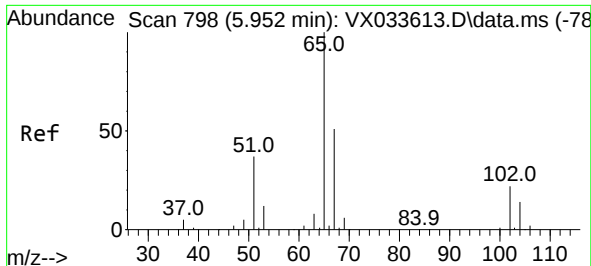
Ion Ratio Lower Upper

56 100

69 158.3 24.6 36.8#

84 96.8 72.2 108.2





#33

1,2-Dichloroethane-d4

Concen: 48.579 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX033629.D

Acq: 06 Jan 2023 14:38

Instrument :

MSVOA_X

ClientSampleId :

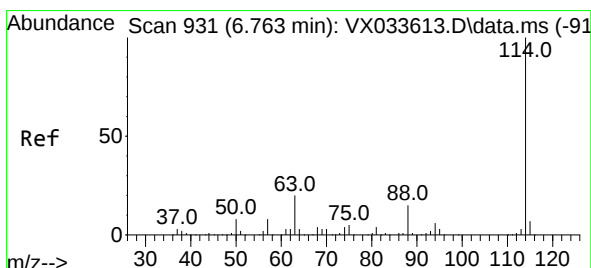
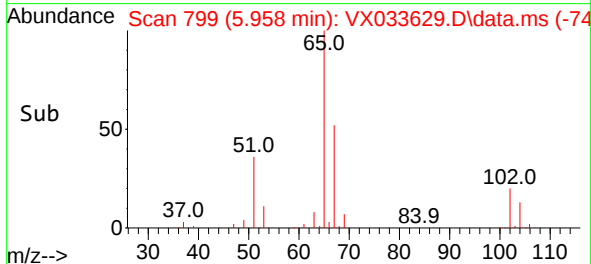
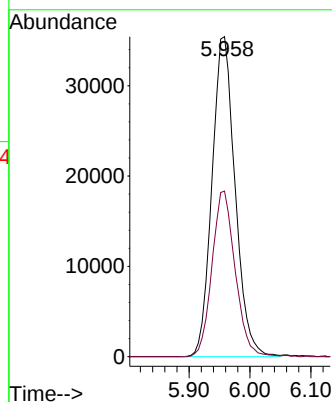
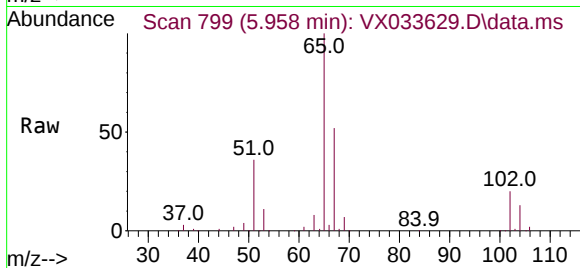
PB050057ZHE#06

Tgt Ion: 65 Resp: 93455

Ion Ratio Lower Upper

65 100

67 52.0 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: VX033629.D

Acq: 06 Jan 2023 14:38

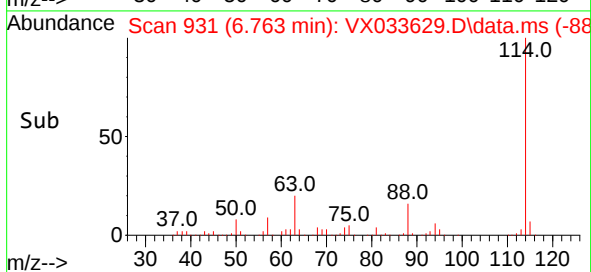
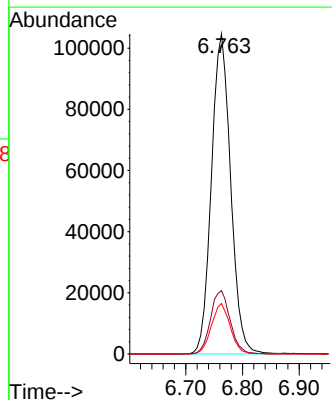
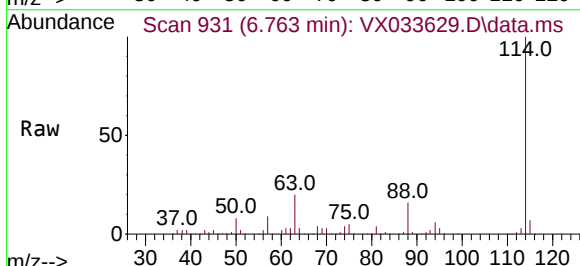
Tgt Ion: 114 Resp: 246535

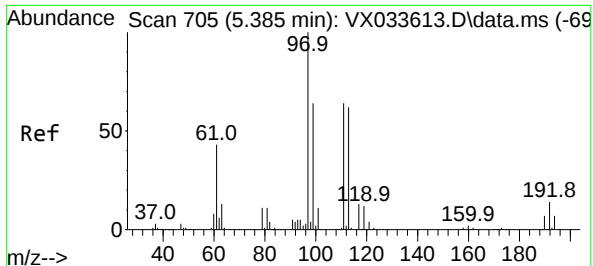
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

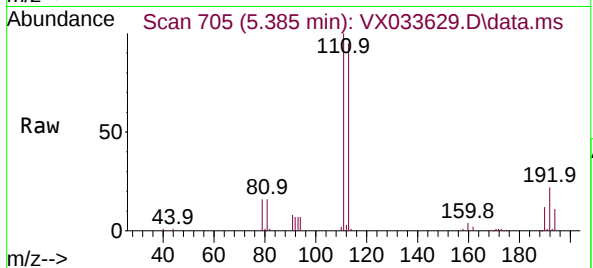
88 15.7 0.0 29.6



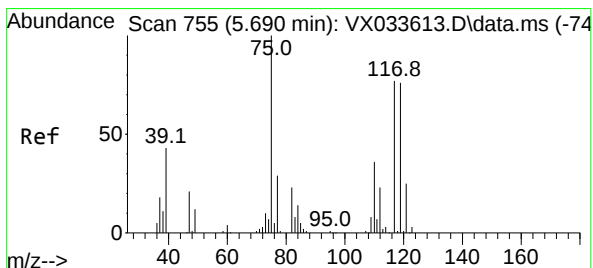
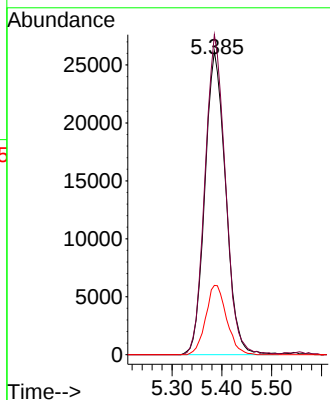
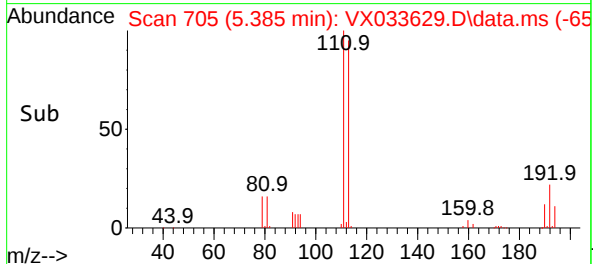


#35
Dibromofluoromethane
Concen: 46.790 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

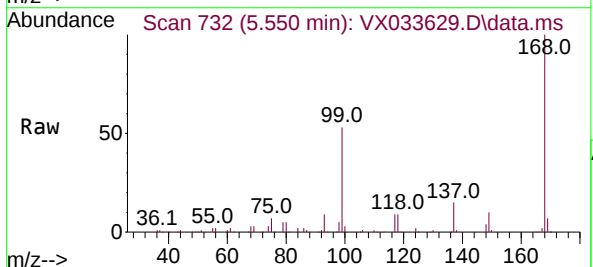
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#06



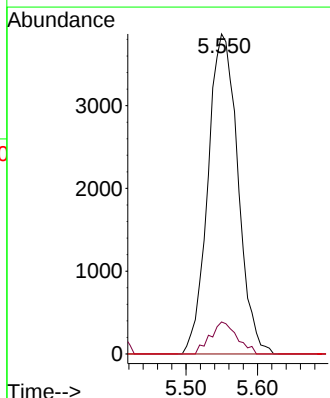
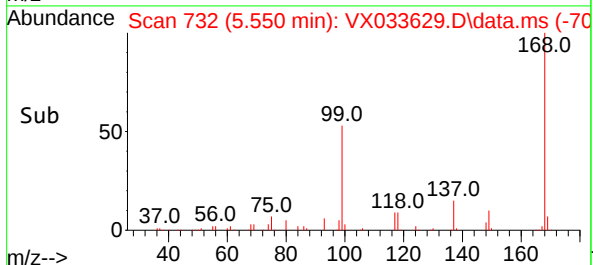
Tgt Ion:113 Resp: 75821
Ion Ratio Lower Upper
113 100
111 103.8 81.2 121.8
192 22.9 18.2 27.2

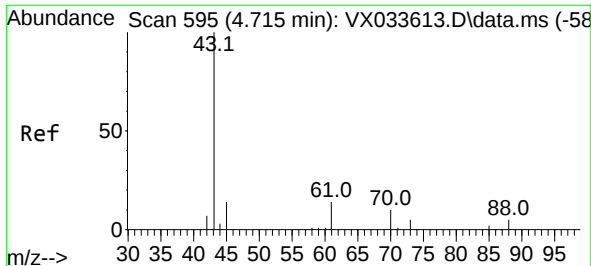


#36
1,1-Dichloropropene
Concen: 5.121 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38



Tgt Ion: 75 Resp: 11240
Ion Ratio Lower Upper
75 100
110 8.9 18.0 54.0#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 8.220 ug/l

RT: 4.720 min Scan# 596

Delta R.T. 0.005 min

Lab File: VX033629.D

Acq: 06 Jan 2023 14:38

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#06

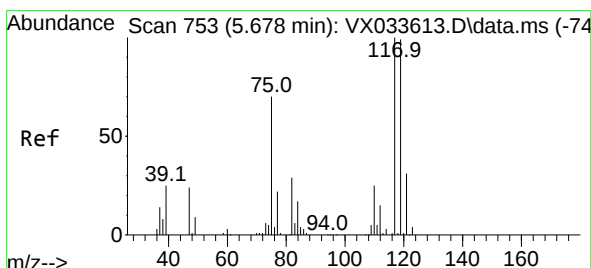
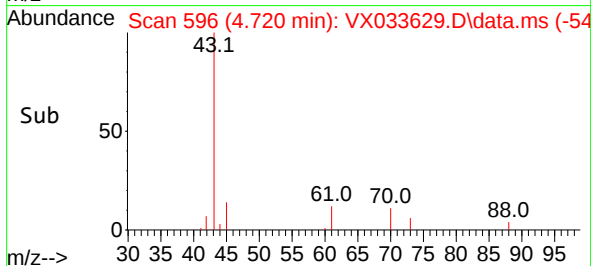
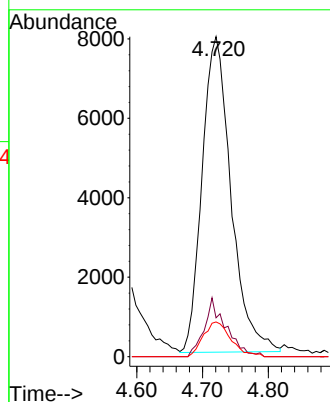
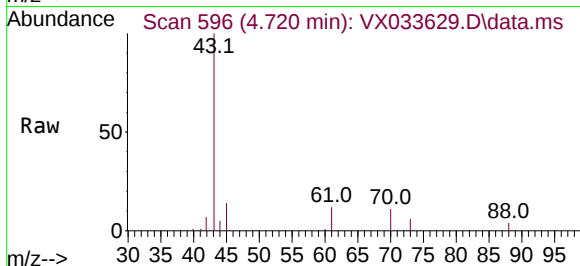
Tgt Ion: 43 Resp: 24310

Ion Ratio Lower Upper

43 100

61 14.0 10.6 16.0

70 10.5 8.1 12.1



#38

Carbon Tetrachloride

Concen: 6.895 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX033629.D

Acq: 06 Jan 2023 14:38

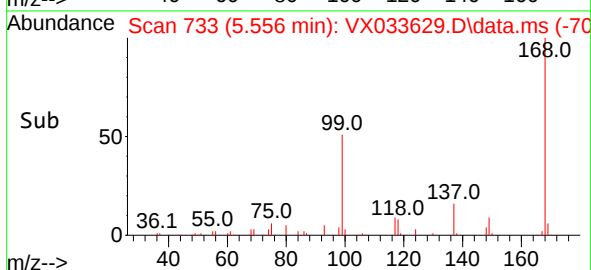
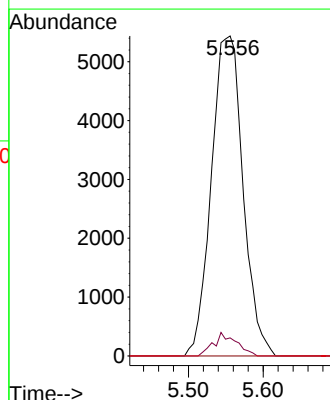
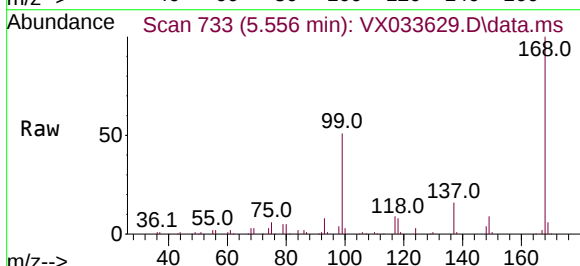
Tgt Ion: 117 Resp: 16017

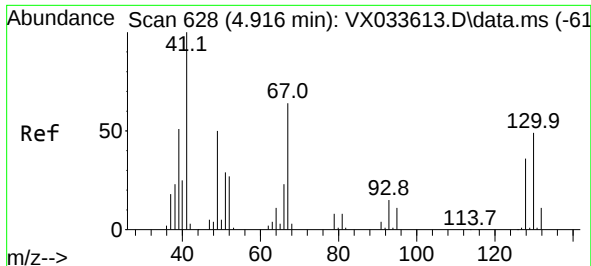
Ion Ratio Lower Upper

117 100

119 5.7 78.8 118.2#

121 0.0 24.9 37.3#

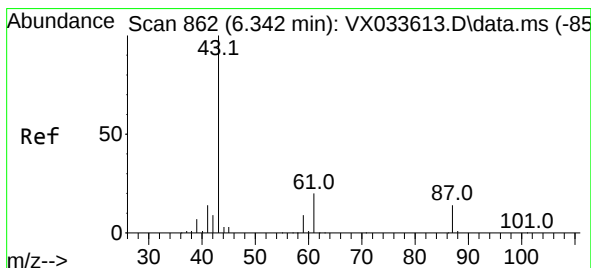
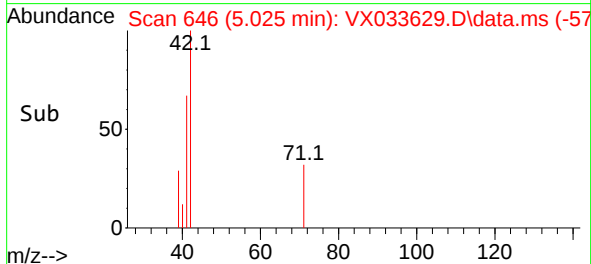
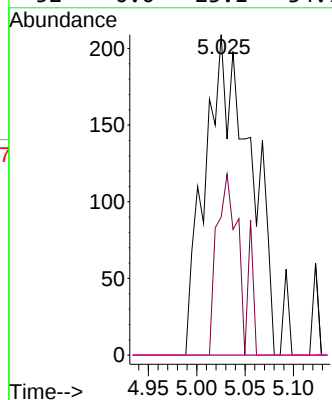
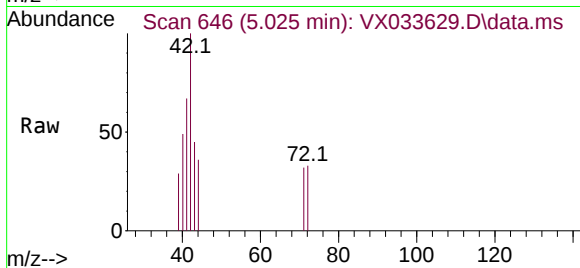




#41
Methacrylonitrile
Concen: 0.508 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.109 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

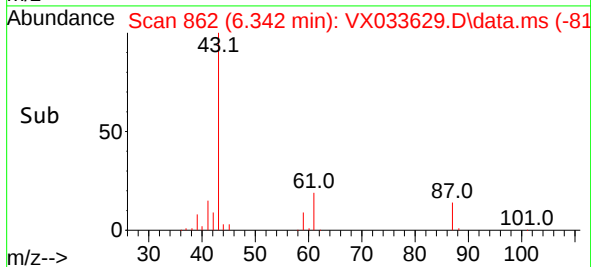
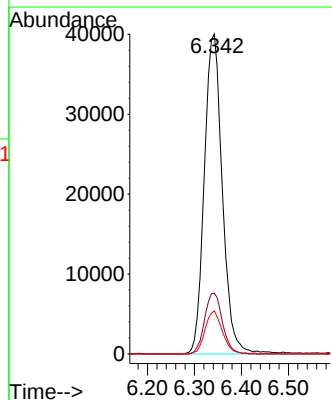
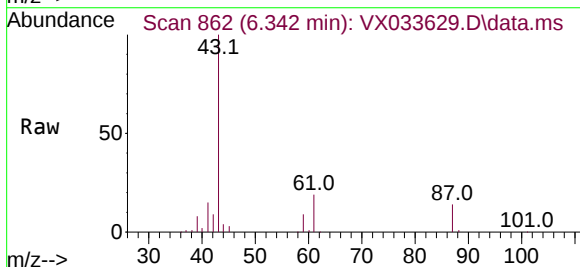
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#06

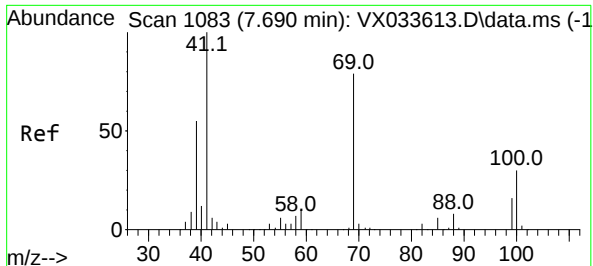
Tgt Ion:	41	Resp:	677
Ion	Ratio	Lower	Upper
41	100		
39	29.7	44.1	66.1#
67	0.0	53.8	80.6#
52	0.0	23.1	34.7#



#43
Isopropyl Acetate
Concen: 28.408 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

Tgt Ion:	43	Resp:	106611
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.2	22.8
87	12.9	10.6	16.0





#48

Methyl methacrylate

Concen: 50.472 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX033629.D

Acq: 06 Jan 2023 14:38

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#06

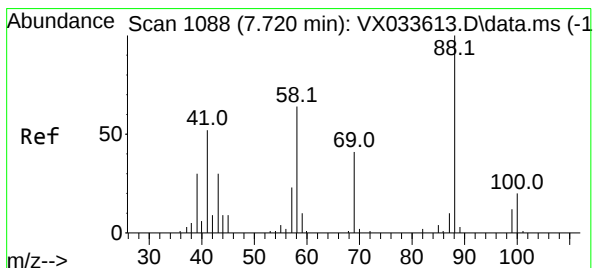
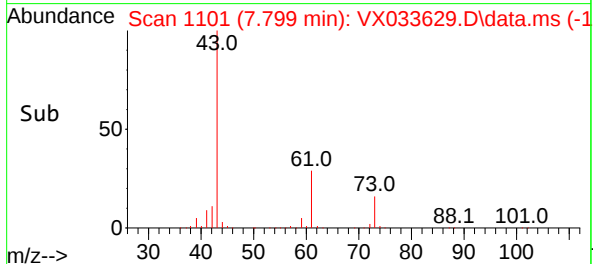
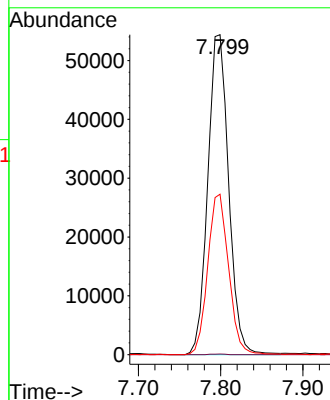
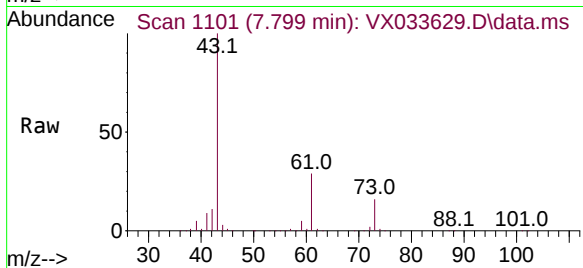
Tgt Ion: 41 Resp: 95879

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: 3.316 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.073 min

Lab File: VX033629.D

Acq: 06 Jan 2023 14:38

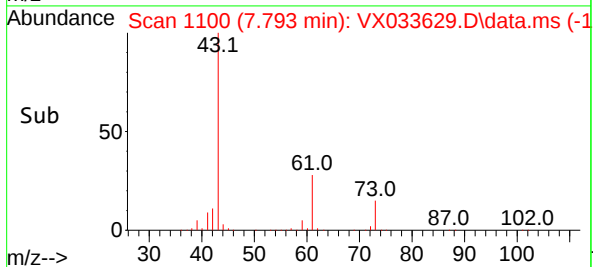
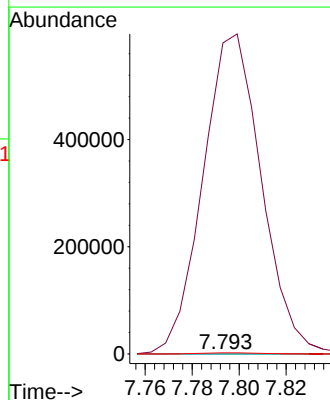
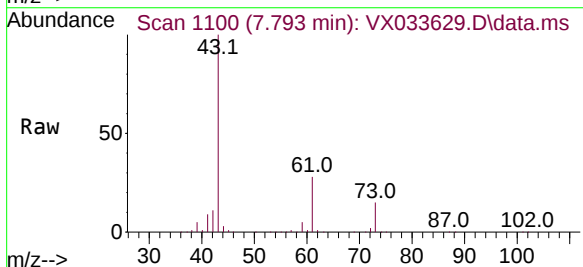
Tgt Ion: 88 Resp: 134

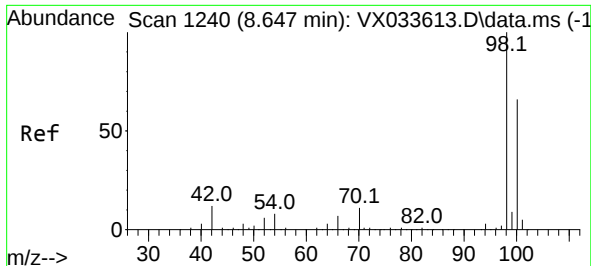
Ion Ratio Lower Upper

88 100

43 778416.4 24.1 36.1#

58 2937.3 57.1 85.7#

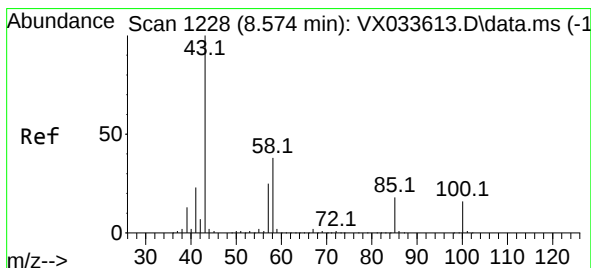
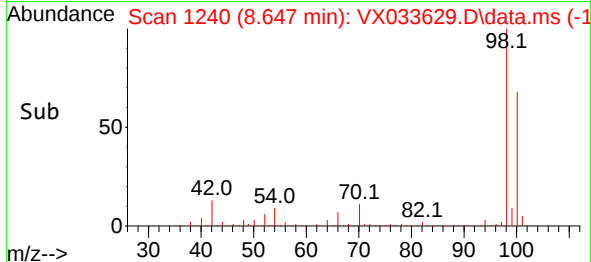
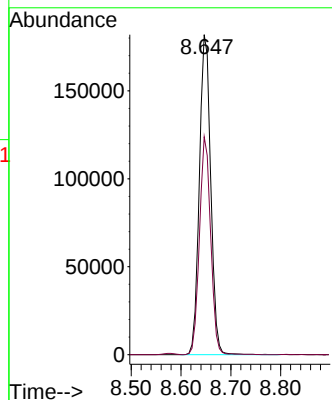
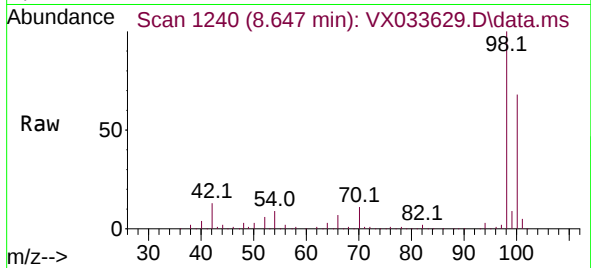




#50
Toluene-d8
Concen: 49.557 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

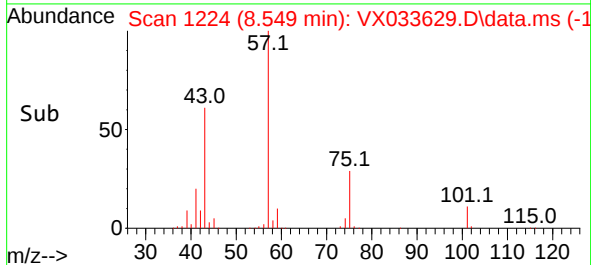
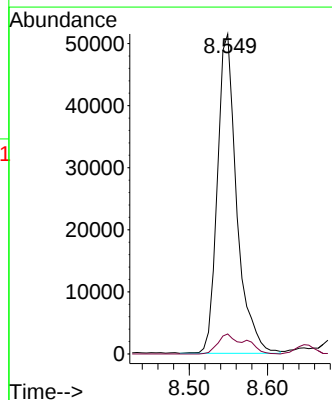
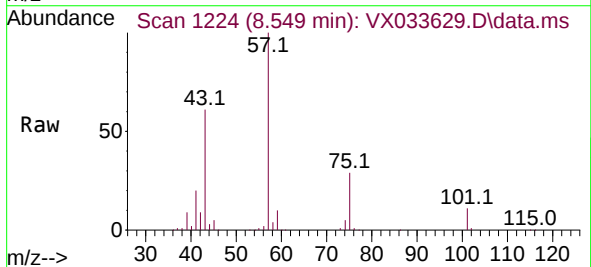
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#06

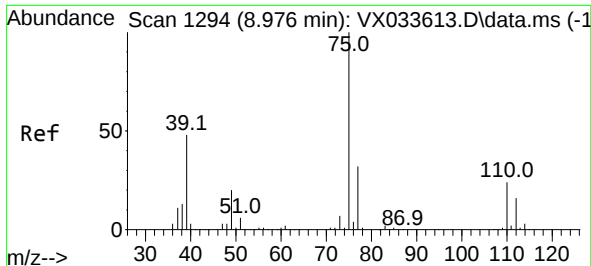
Tgt Ion: 98 Resp: 287030
Ion Ratio Lower Upper
98 100
100 67.2 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 37.164 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

Tgt Ion: 43 Resp: 88276
Ion Ratio Lower Upper
43 100
58 8.9 30.5 45.7#





#53

t-1,3-Dichloropropene

Concen: 0.379 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX033629.D

Acq: 06 Jan 2023 14:38

Instrument :

MSVOA_X

ClientSampleId :

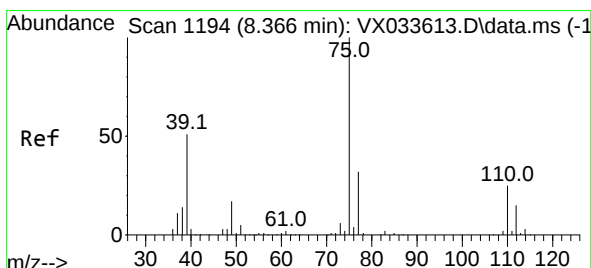
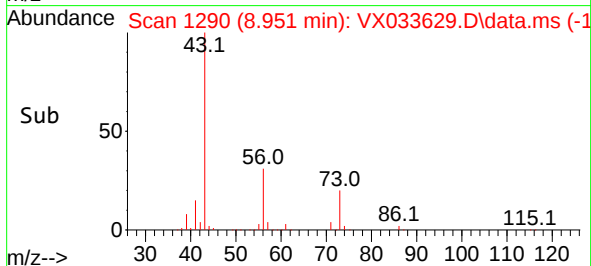
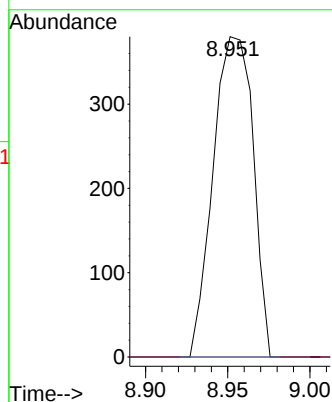
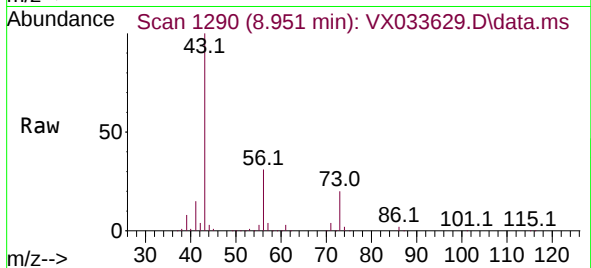
PB050057ZHE#06

Tgt Ion: 75 Resp: 643

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#



#54

cis-1,3-Dichloropropene

Concen: 15.142 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033629.D

Acq: 06 Jan 2023 14:38

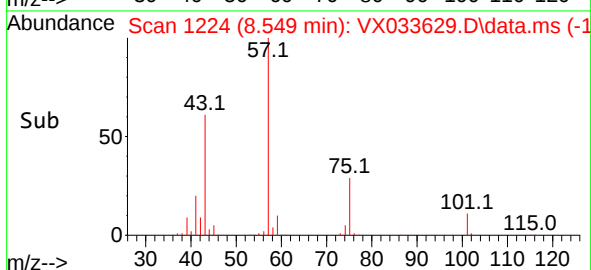
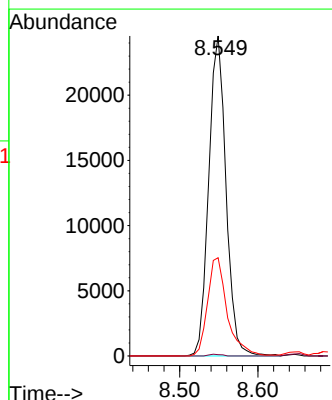
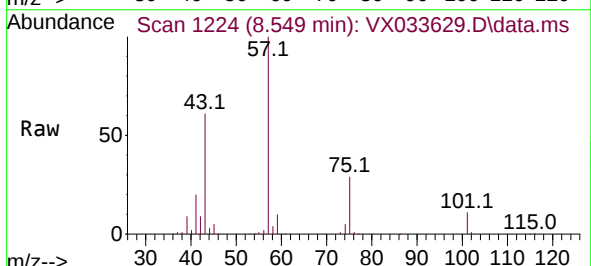
Tgt Ion: 75 Resp: 37571

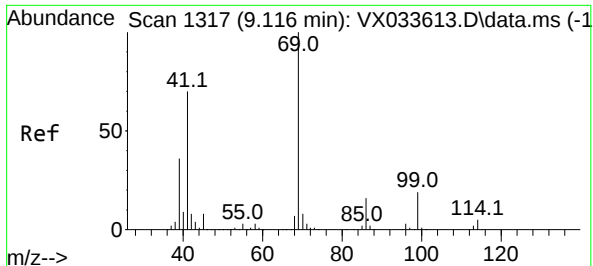
Ion Ratio Lower Upper

75 100

77 0.4 25.5 38.3#

39 30.7 40.6 61.0#

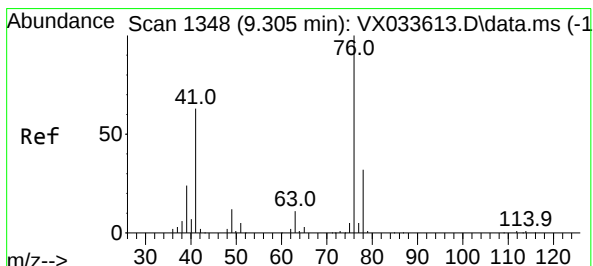
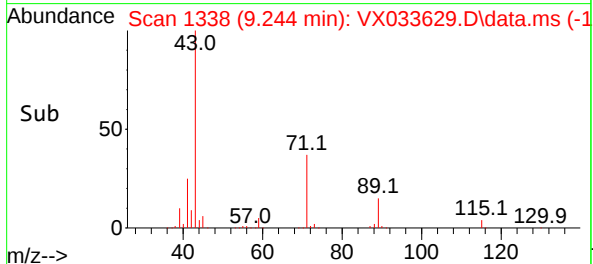
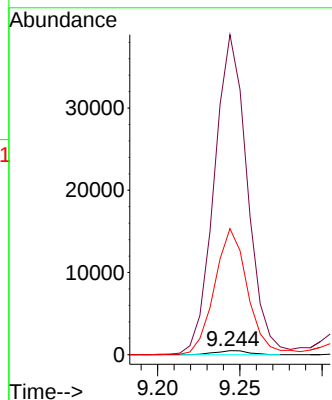
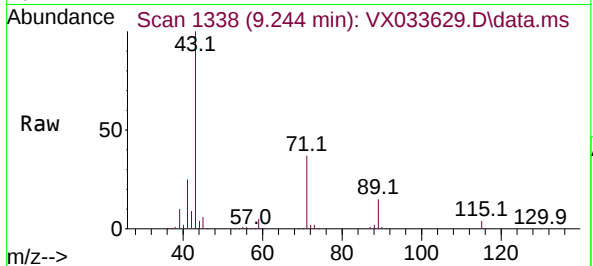




#56
Ethyl methacrylate
Concen: 0.274 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

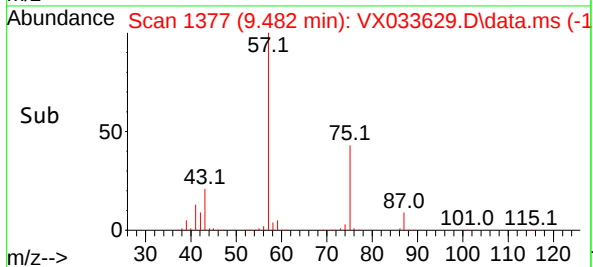
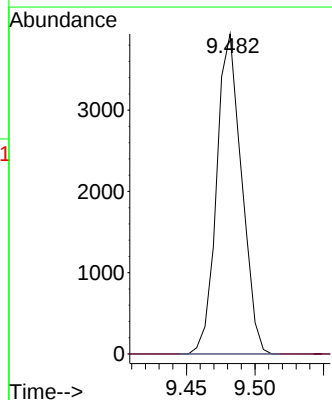
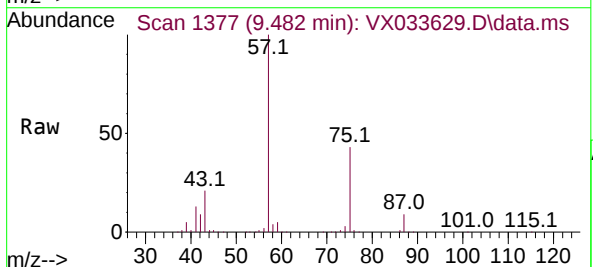
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#06

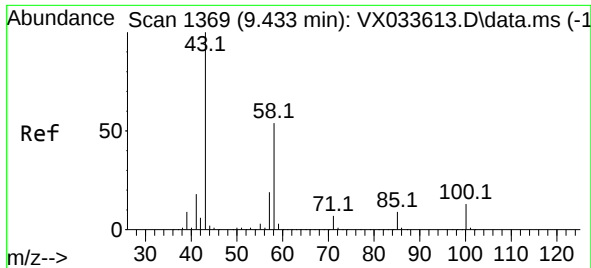
Tgt Ion: 69 Resp: 677
Ion Ratio Lower Upper
69 100
41 8077.0 56.6 84.8#
39 3192.3 29.4 44.0#



#57
1,3-Dichloropropane
Concen: 1.763 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.176 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

Tgt Ion: 76 Resp: 4984
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

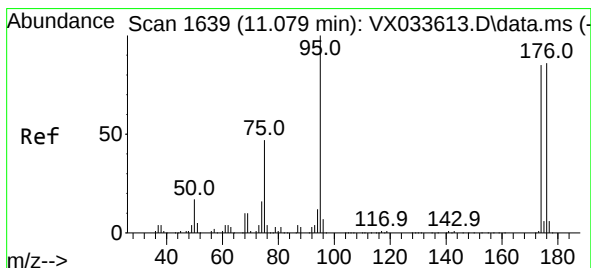
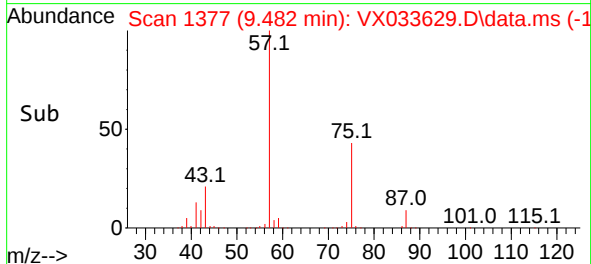
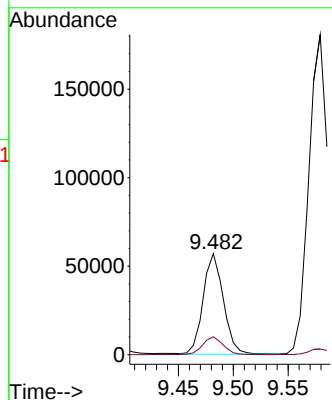
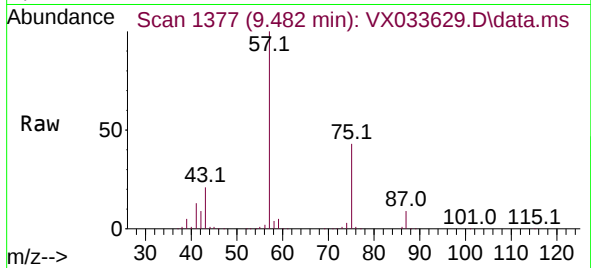




#59
2-Hexanone
Concen: 41.686 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.048 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

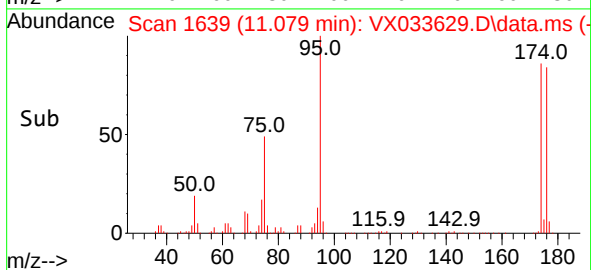
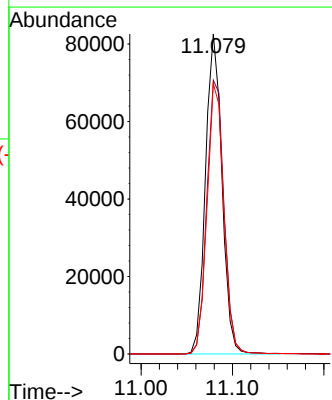
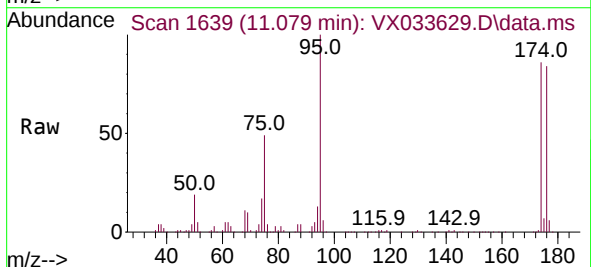
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#06

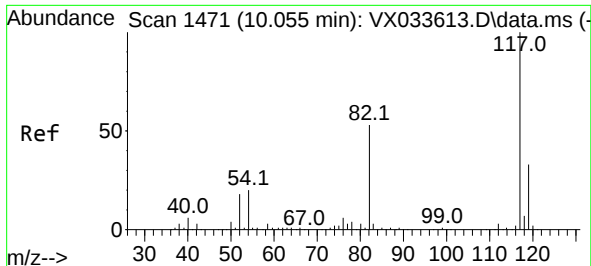
Tgt Ion: 43 Resp: 73146
Ion Ratio Lower Upper
43 100
58 18.4 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 50.131 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

Tgt Ion: 95 Resp: 102918
Ion Ratio Lower Upper
95 100
174 89.6 0.0 180.4
176 86.2 0.0 176.2

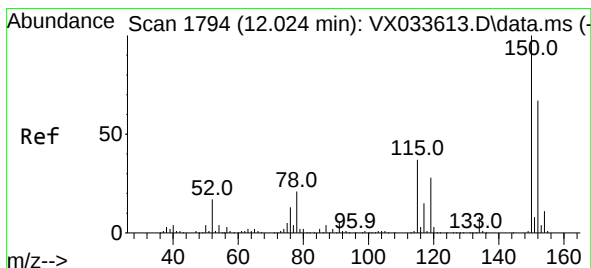
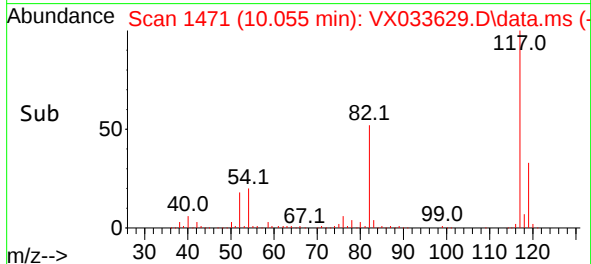
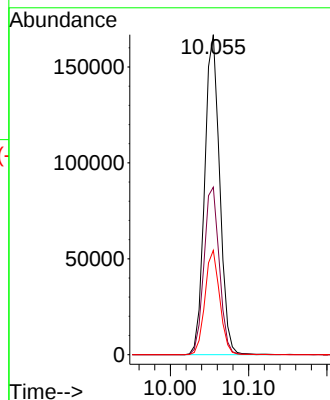
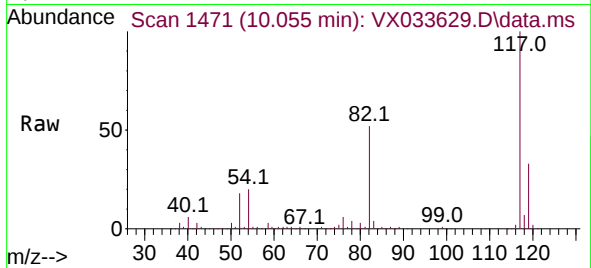




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

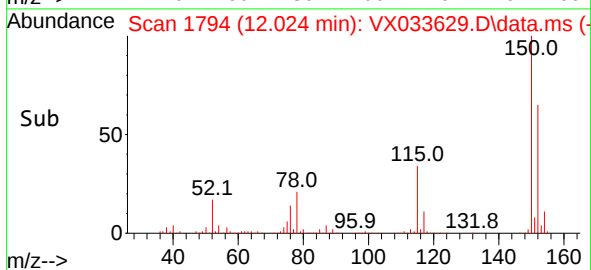
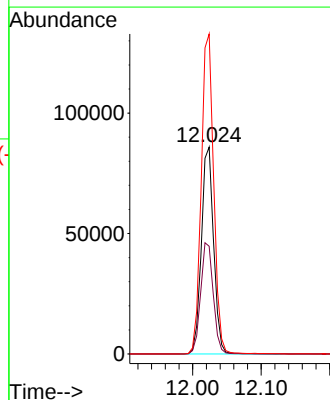
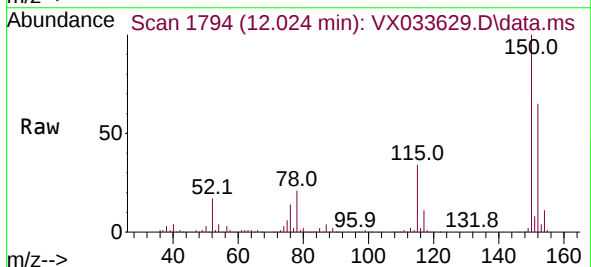
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#06

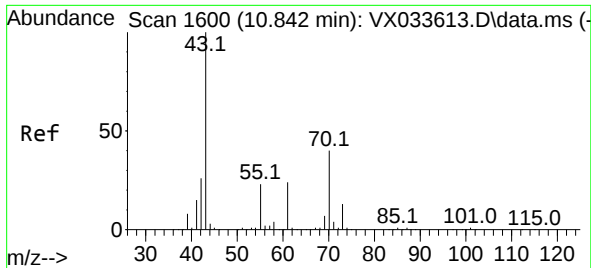
Tgt Ion:117 Resp: 221951
Ion Ratio Lower Upper
117 100
82 52.4 42.2 63.2
119 32.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

Tgt Ion:152 Resp: 107023
Ion Ratio Lower Upper
152 100
115 55.3 38.5 115.5
150 156.8 0.0 340.4

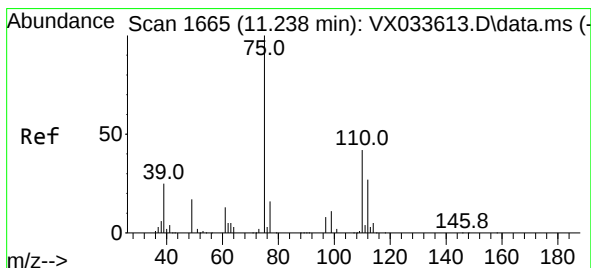
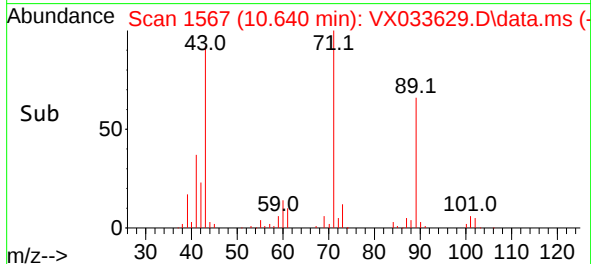
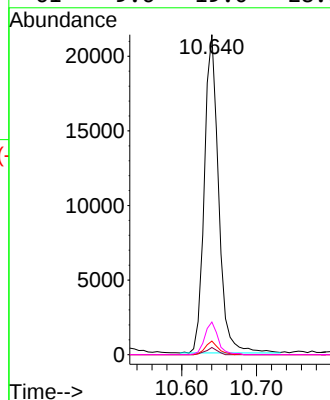
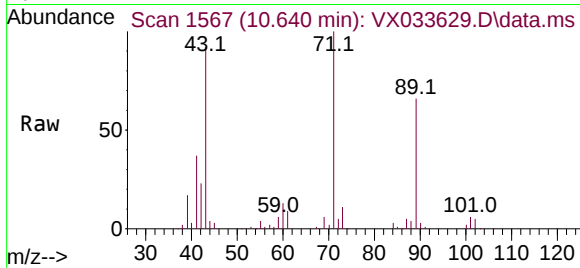




#74
N-amy1 acetate
Concen: 9.230 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.202 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

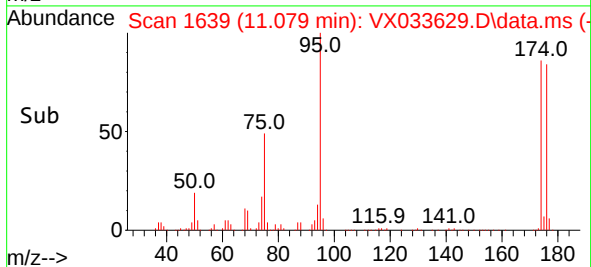
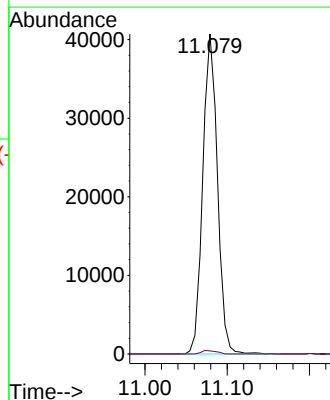
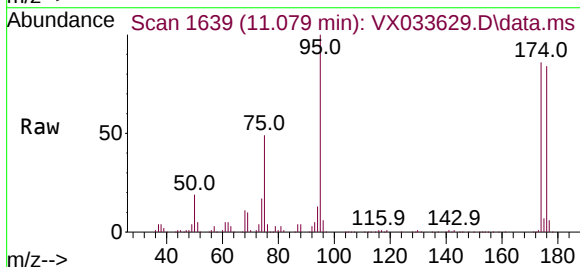
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#06

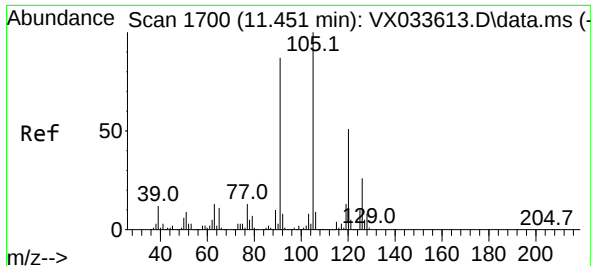
Tgt Ion:	43	Resp:	28268
Ion	Ratio	Lower	Upper
43	100		
70	1.8	33.4	50.0#
55	3.9	18.6	27.8#
61	9.6	19.0	28.6#



#76
1,2,3-Trichloropropane
Concen: 25.684 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

Tgt Ion:	75	Resp:	50358
Ion	Ratio	Lower	Upper
75	100		
77	1.1	21.3	63.9#

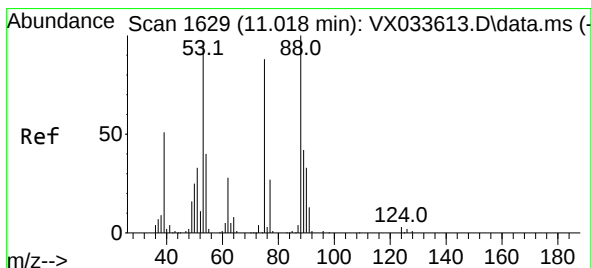
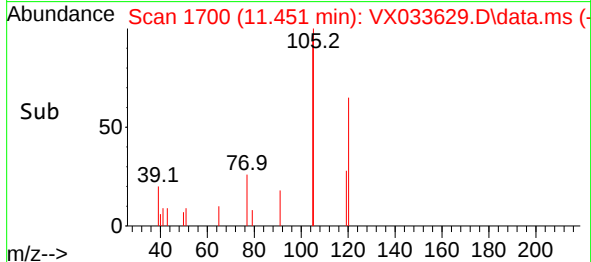
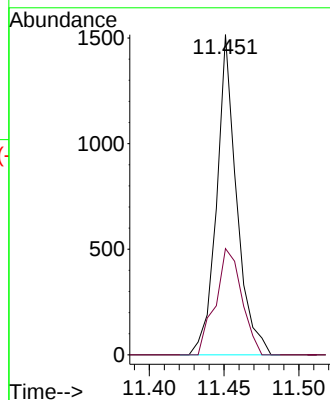
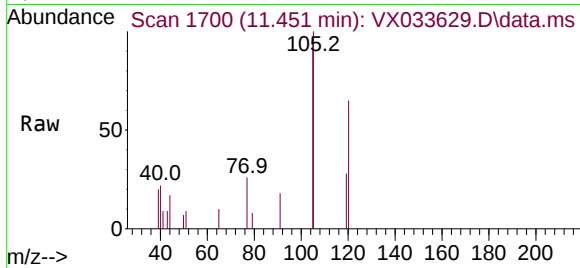




#80
1,3,5-Trimethylbenzene
Concen: 0.227 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

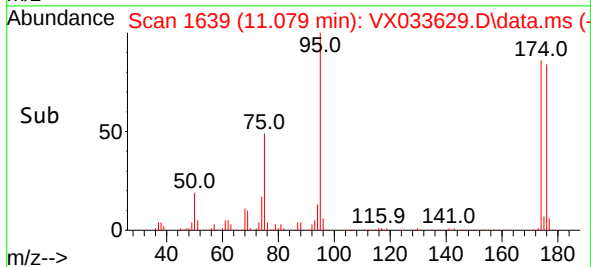
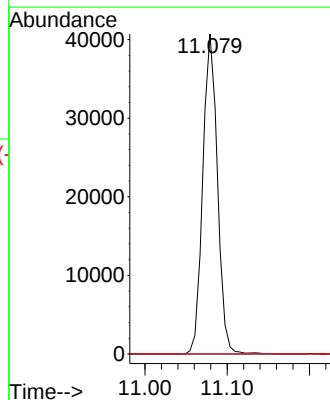
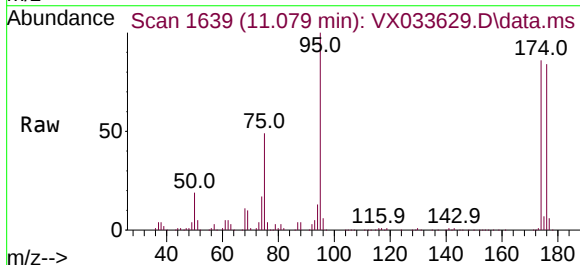
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#06

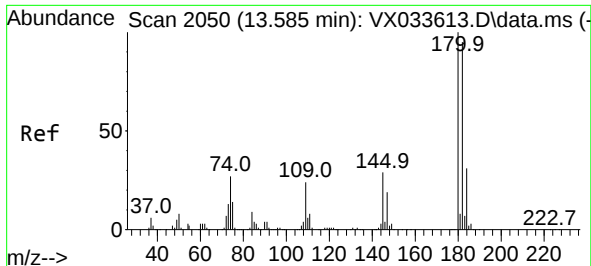
Tgt Ion:105 Resp: 1411
Ion Ratio Lower Upper
105 100
120 43.3 25.5 76.5



#81
trans-1,4-Dichloro-2-butene
Concen: 77.954 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

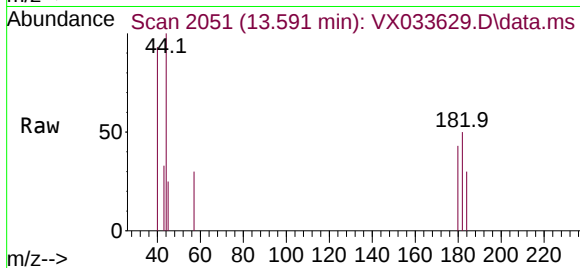
Tgt Ion: 75 Resp: 50358
Ion Ratio Lower Upper
75 100
53 0.0 86.4 129.6#
89 0.0 37.4 56.2#



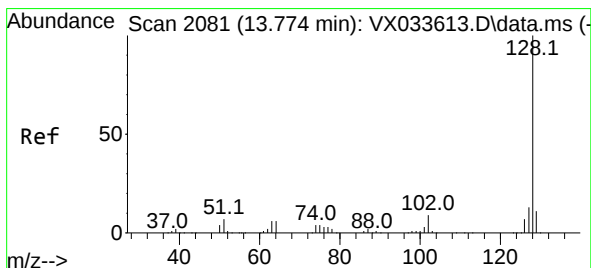
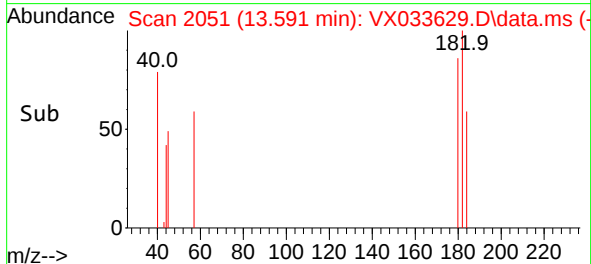
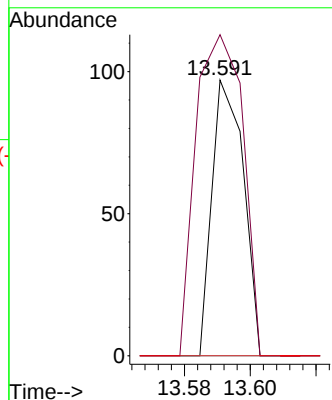


#93
1,2,4-Trichlorobenzene
Concen: 1.620 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#06

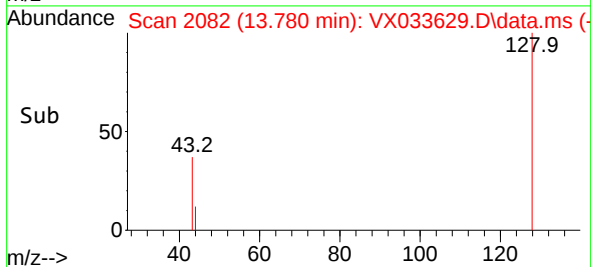
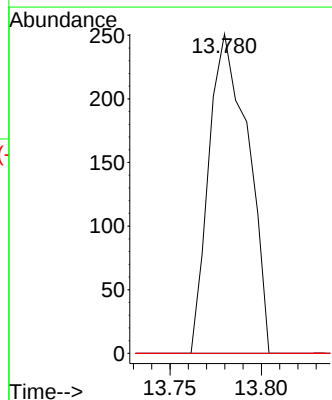
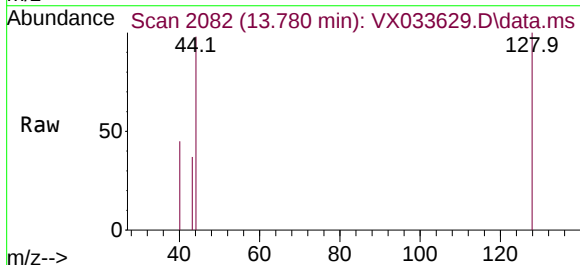


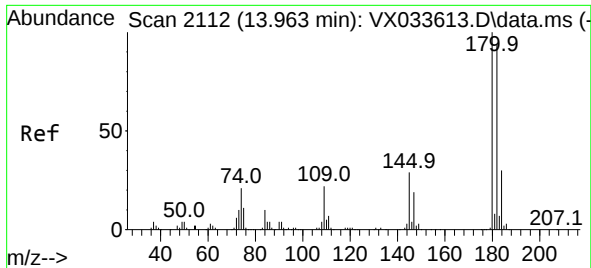
Tgt Ion:180 Resp: 64
Ion Ratio Lower Upper
180 100
182 175.0 47.4 142.2#
145 0.0 14.1 42.2#



#95
Naphthalene
Concen: 3.164 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX033629.D
Acq: 06 Jan 2023 14:38

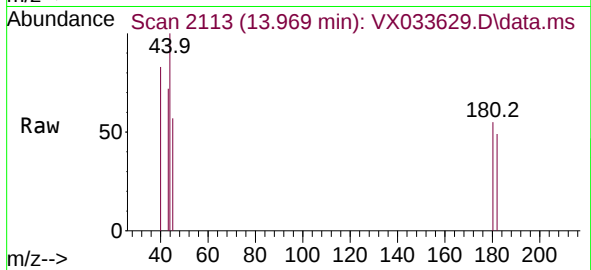
Tgt Ion:128 Resp: 374
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 9.0 13.4#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.758 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX033629.D
 Acq: 06 Jan 2023 14:38

Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#06



Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.0	47.2	141.6
145	0.0	15.0	45.0

