

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034586.D
 Acq On : 17 Mar 2023 15:57
 Operator : JC/MD
 Sample : PB151466ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#07

Quant Time: Mar 20 00:03:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

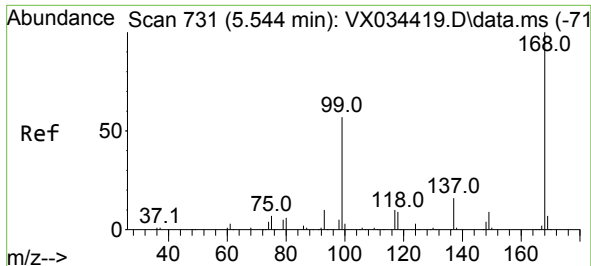
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	232469	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	398099	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	356186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	161645	47.796	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.600%		
35) Dibromofluoromethane	5.385	113	124599	47.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.800%		
50) Toluene-d8	8.647	98	488853	49.821	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.640%		
62) 4-Bromofluorobenzene	11.079	95	207585	52.376	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.760%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	450	Below Cal	#	42
11) Tert butyl alcohol	2.959	59	2000	2.840	ug/l #	90
13) Acrolein	2.209	56	129	0.232	ug/l #	27
16) Acetone	2.380	43	40293	25.293	ug/l	98
18) Methyl Acetate	2.709	43	4206	0.808	ug/l	96
20) Methylene Chloride	2.788	84	15139	4.896	ug/l	96
25) 2-Butanone	4.574	43	11220	4.922	ug/l #	89
29) Tetrahydrofuran	5.031	42	1223	0.869	ug/l #	61
31) Cyclohexane	5.550	56	5685	1.199	ug/l #	29
36) 1,1-Dichloropropene	5.550	75	19247	4.768	ug/l #	50
37) Ethyl Acetate	4.714	43	66055	14.977	ug/l	98
38) Carbon Tetrachloride	5.550	117	23806	5.928	ug/l #	15
43) Isopropyl Acetate	6.342	43	268018	35.872	ug/l	99
48) Methyl methacrylate	7.799	41	234443	65.242	ug/l #	47
49) 1,4-Dioxane	7.799	88	414	5.485	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	215167	49.643	ug/l #	49
52) Toluene	8.720	92	4647	0.636	ug/l	97
53) t-1,3-Dichloropropene	8.952	75	1592	0.348	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	91682	18.539	ug/l #	59
56) Ethyl methacrylate	9.244	69	1602	0.336	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	11547	2.239	ug/l #	42
59) 2-Hexanone	9.482	43	169538	50.601	ug/l #	52
74) N-amyl acetate	10.640	43	80999	13.340	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	114444	30.387	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	114444	82.205	ug/l #	8

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

Quant Time: Mar 20 00:03:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

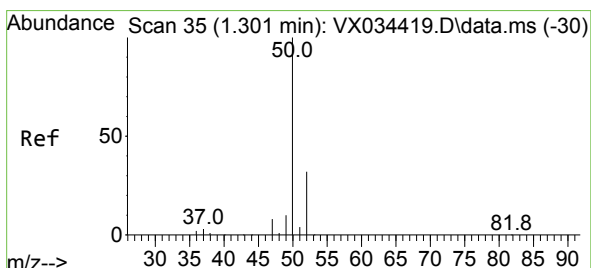
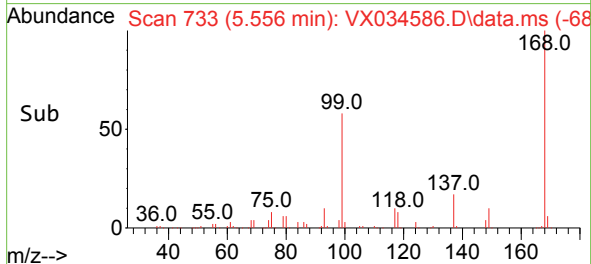
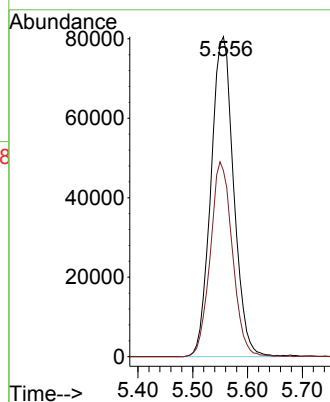
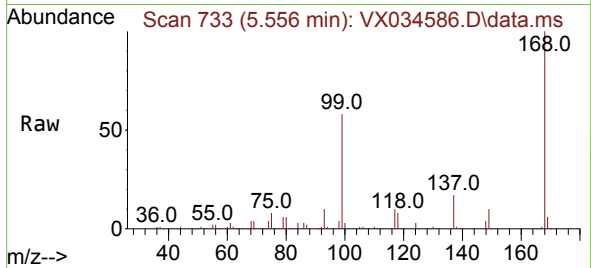




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

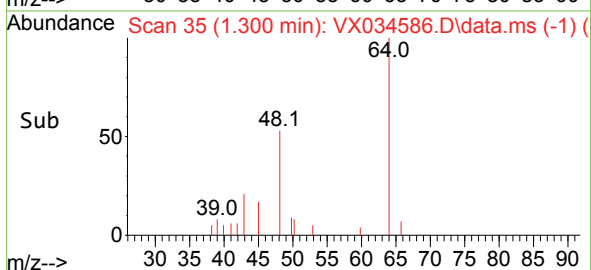
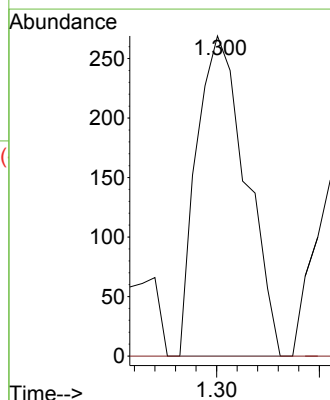
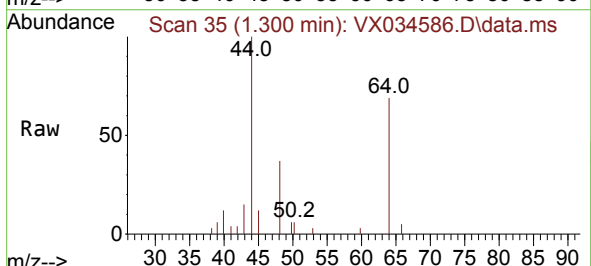
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#07

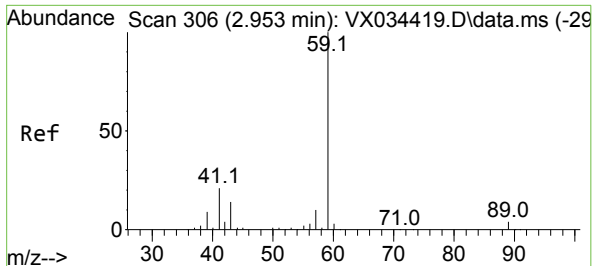
Tgt Ion:168 Resp: 232469
Ion Ratio Lower Upper
168 100
99 58.1 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

Tgt Ion: 50 Resp: 450
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 2.840 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX034586.D

Acq: 17 Mar 2023 15:57

Instrument :

MSVOA_X

ClientSampleId :

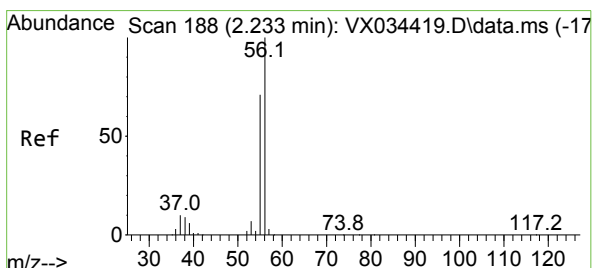
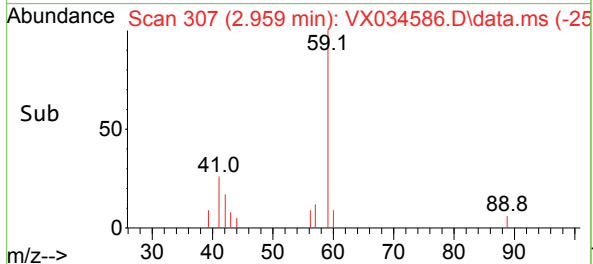
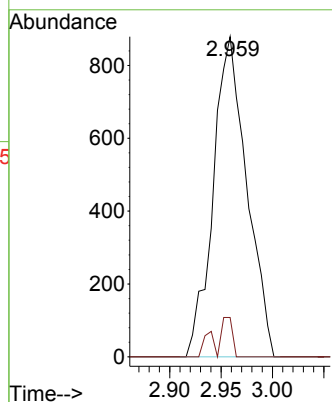
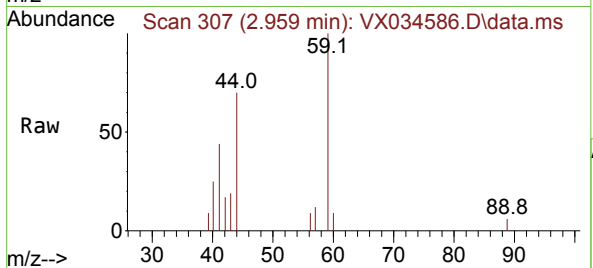
PB151466ZHE#07

Tgt Ion: 59 Resp: 2000

Ion Ratio Lower Upper

59 100

57 6.3 8.1 12.1#



#13

Acrolein

Concen: 0.232 ug/l

RT: 2.209 min Scan# 184

Delta R.T. -0.024 min

Lab File: VX034586.D

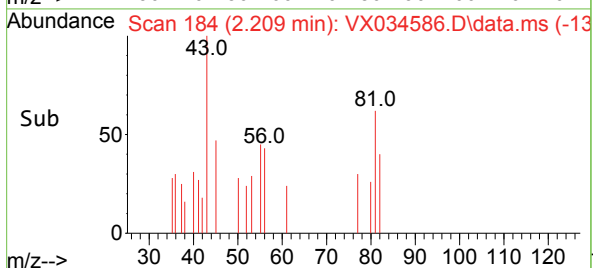
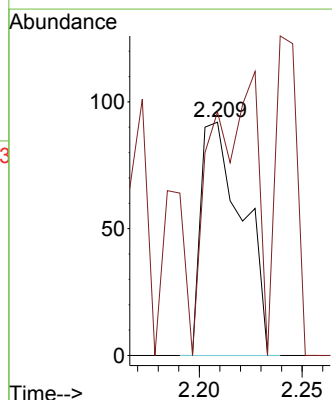
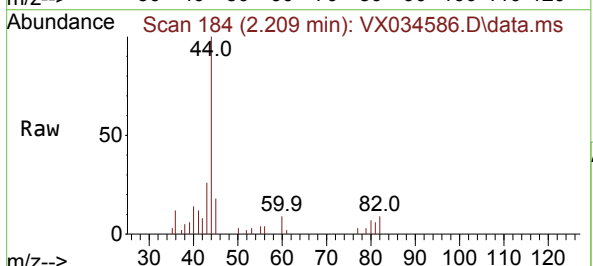
Acq: 17 Mar 2023 15:57

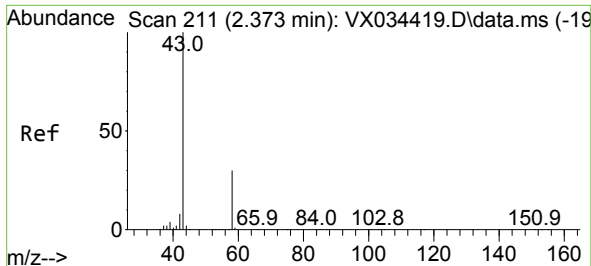
Tgt Ion: 56 Resp: 129

Ion Ratio Lower Upper

56 100

55 131.0 56.6 85.0#

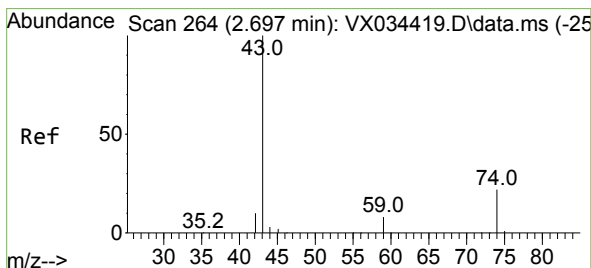
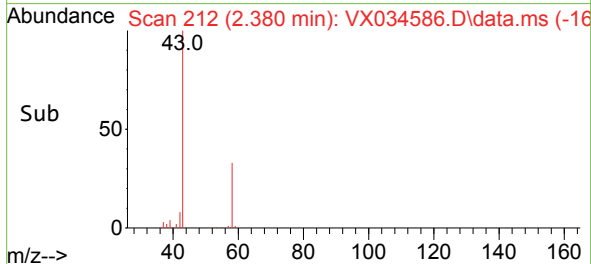
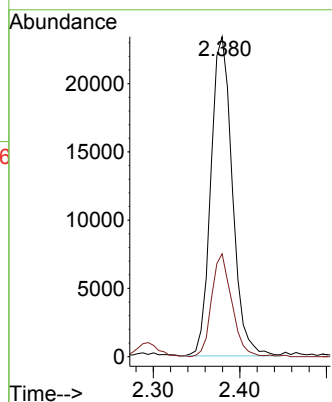
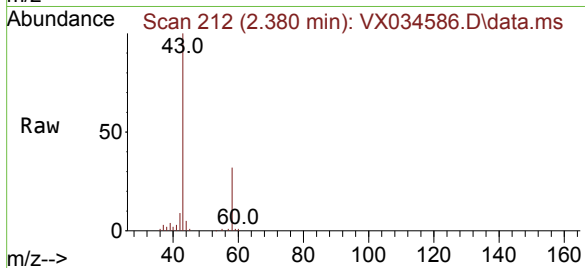




#16
Acetone
Concen: 25.293 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

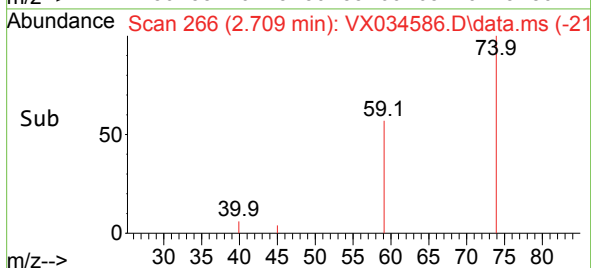
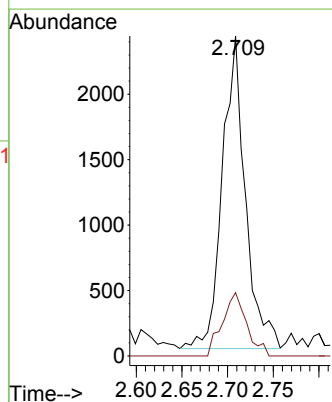
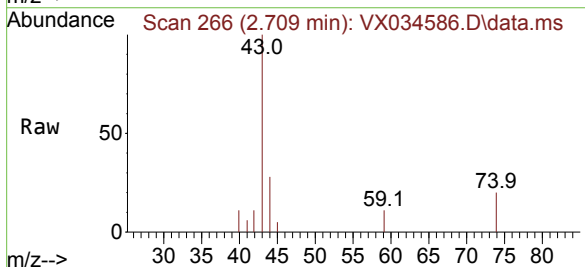
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#07

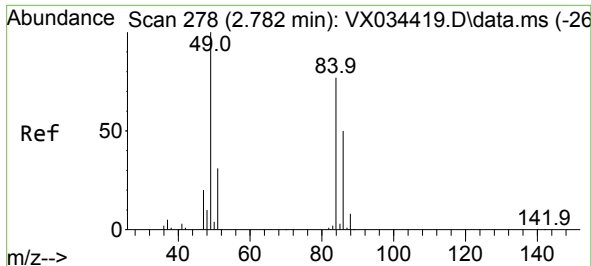
Tgt Ion: 43 Resp: 40293
Ion Ratio Lower Upper
43 100
58 32.0 24.7 37.1



#18
Methyl Acetate
Concen: 0.808 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

Tgt Ion: 43 Resp: 4206
Ion Ratio Lower Upper
43 100
74 21.2 18.3 27.5

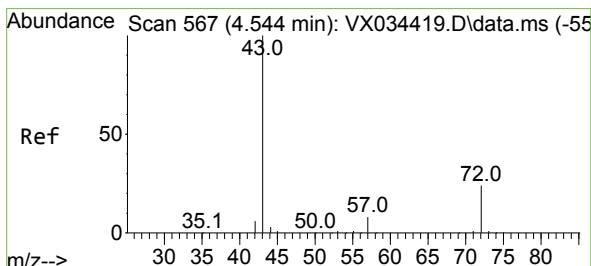
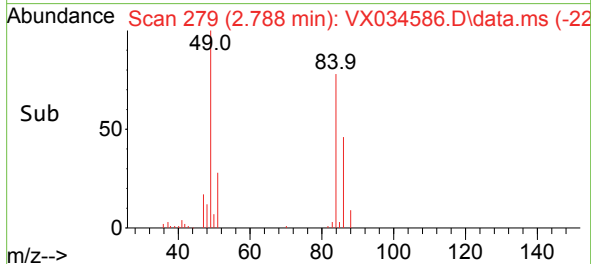
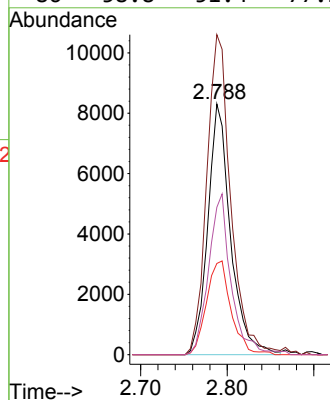
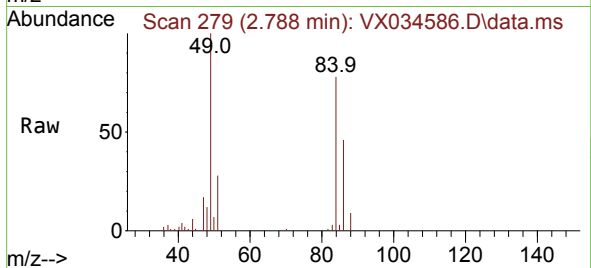




#20
Methylene Chloride
Concen: 4.896 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

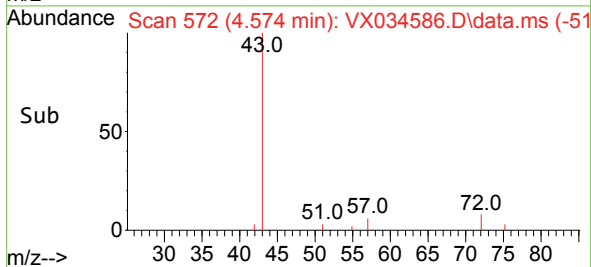
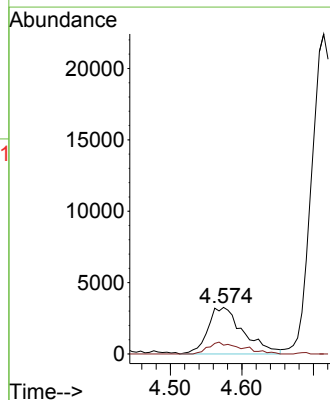
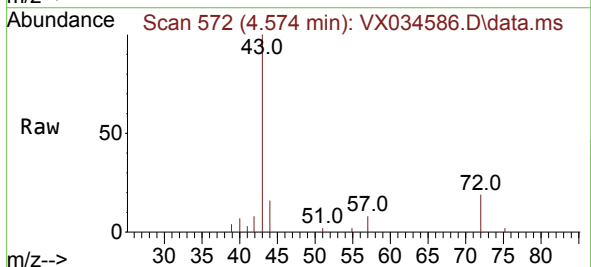
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#07

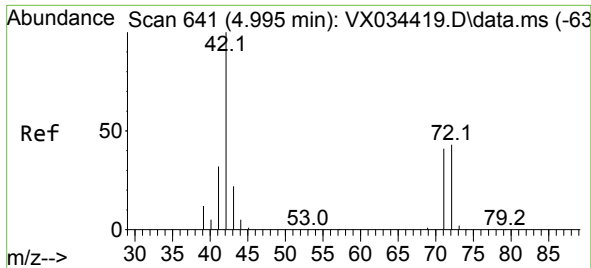
Tgt Ion:	84	Resp:	15139
Ion	Ratio	Lower	Upper
84	100		
49	127.6	103.8	155.8
51	36.4	31.8	47.8
86	58.8	51.4	77.2



#25
2-Butanone
Concen: 4.922 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.030 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

Tgt Ion:	43	Resp:	11220
Ion	Ratio	Lower	Upper
43	100		
72	18.8	19.3	28.9#





#29

Tetrahydrofuran

Concen: 0.869 ug/l

RT: 5.031 min Scan# 641

Delta R.T. 0.037 min

Lab File: VX034586.D

Acq: 17 Mar 2023 15:57

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#07

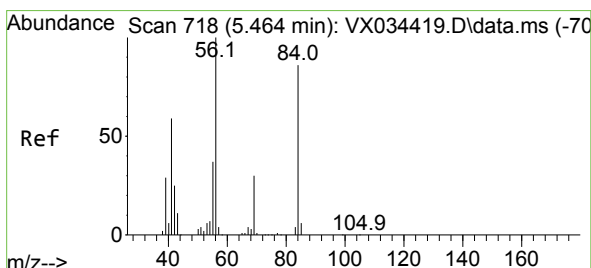
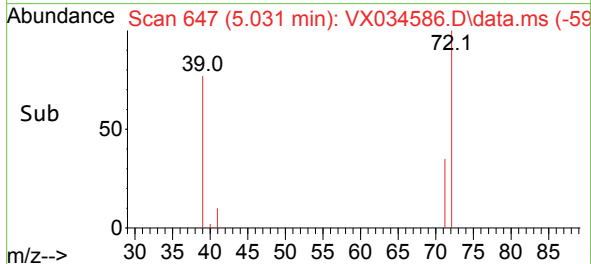
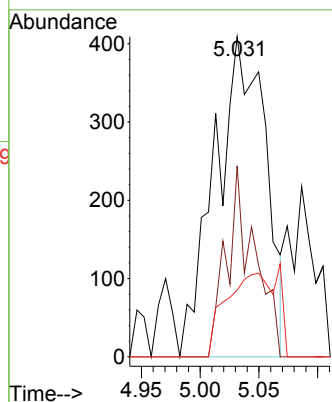
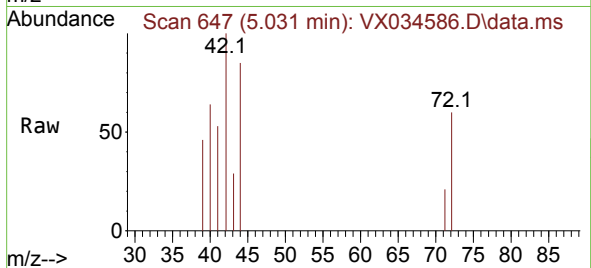
Tgt Ion: 42 Resp: 1223

Ion Ratio Lower Upper

42 100

72 33.0 34.5 51.7#

71 0.0 32.1 48.1#



#31

Cyclohexane

Concen: 1.199 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX034586.D

Acq: 17 Mar 2023 15:57

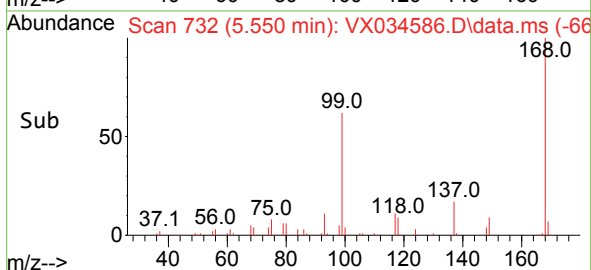
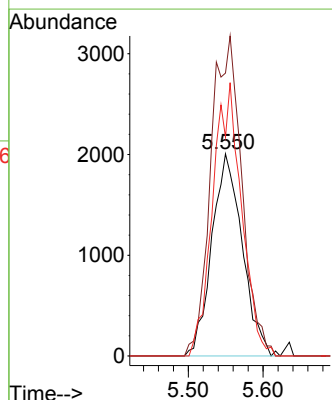
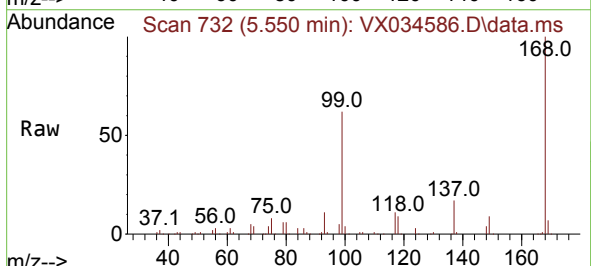
Tgt Ion: 56 Resp: 5685

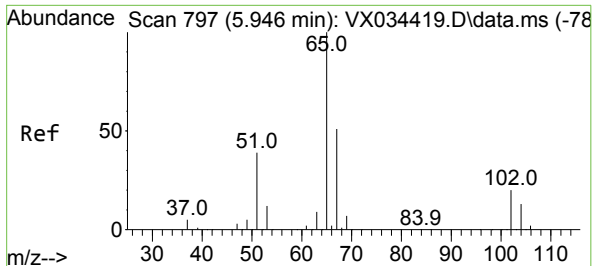
Ion Ratio Lower Upper

56 100

69 139.9 23.7 35.5#

84 108.2 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 47.796 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034586.D

Acq: 17 Mar 2023 15:57

Instrument :

MSVOA_X

ClientSampleId :

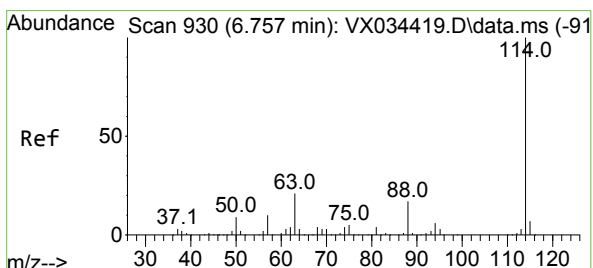
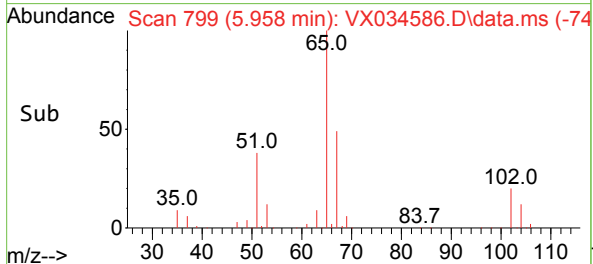
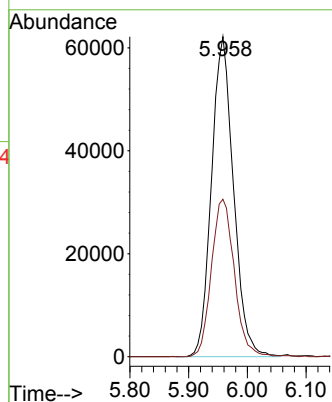
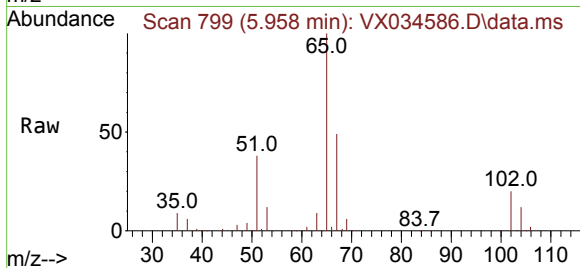
PB151466ZHE#07

Tgt Ion: 65 Resp: 161645

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034586.D

Acq: 17 Mar 2023 15:57

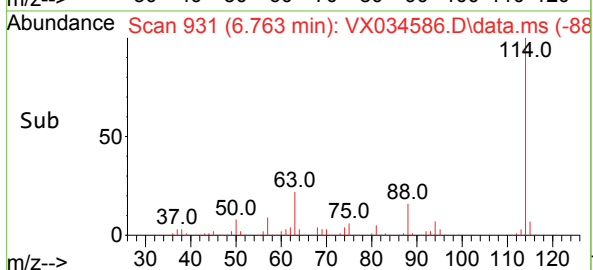
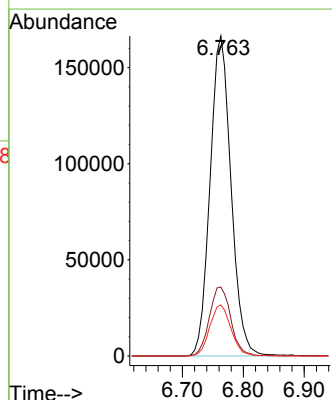
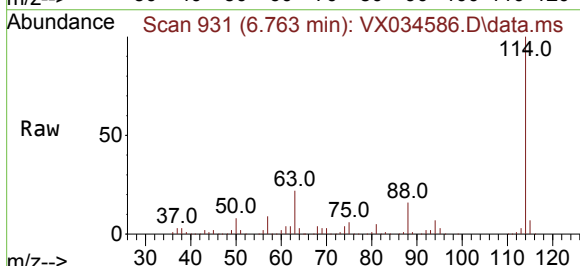
Tgt Ion: 114 Resp: 398099

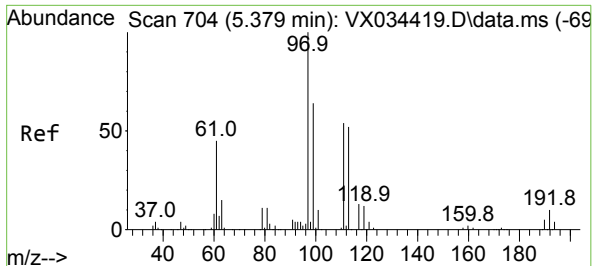
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.2

88 15.9 0.0 33.2

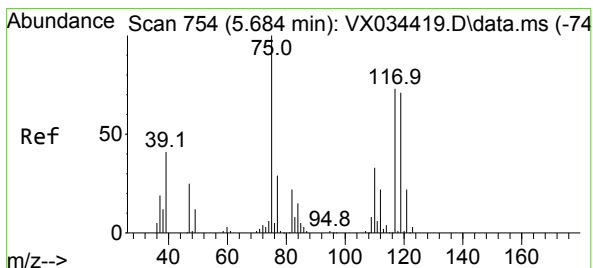
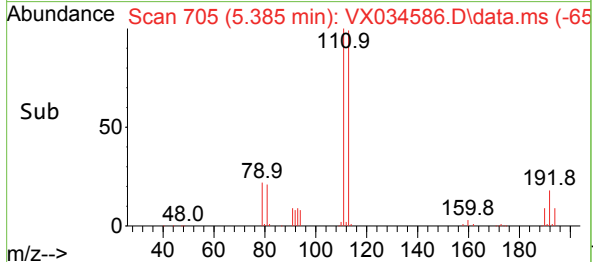
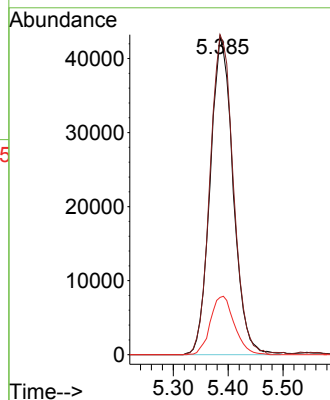
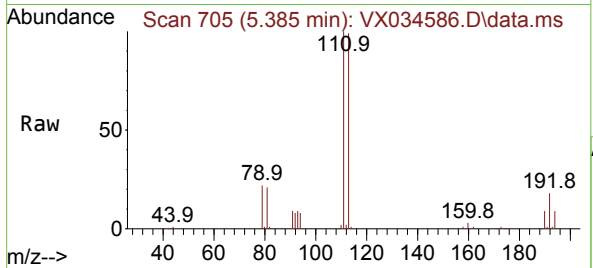




#35
Dibromofluoromethane
Concen: 47.404 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

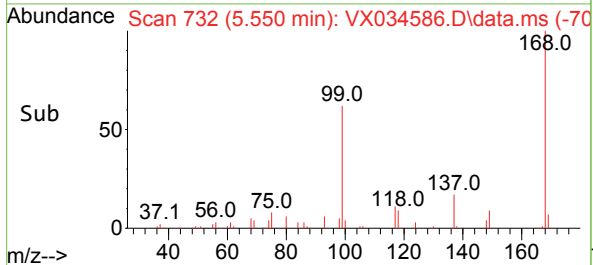
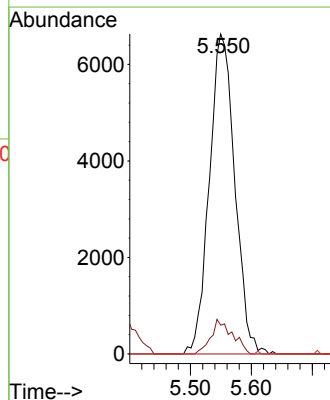
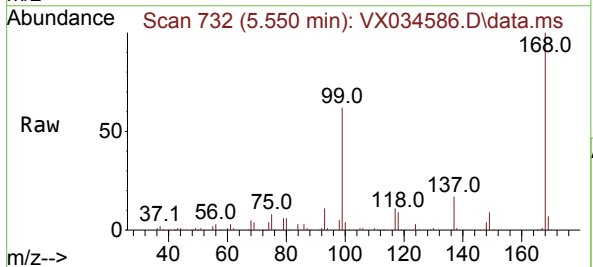
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#07

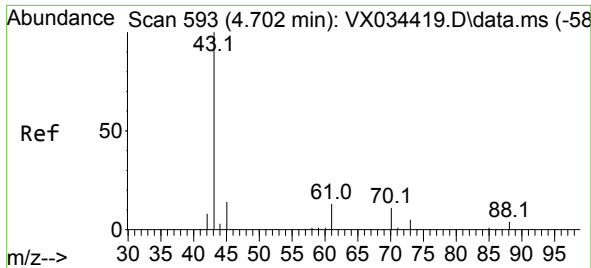
Tgt Ion:113 Resp: 124599
Ion Ratio Lower Upper
113 100
111 102.5 83.7 125.5
192 19.2 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.768 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

Tgt Ion: 75 Resp: 19247
Ion Ratio Lower Upper
75 100
110 9.0 17.5 52.5#
77 0.0 24.3 36.5#

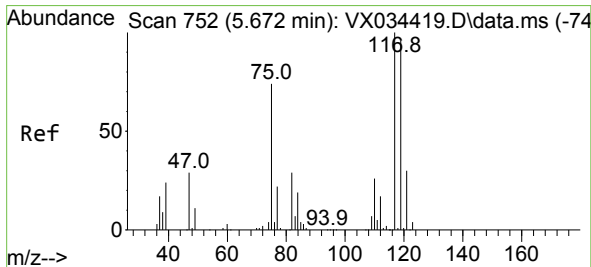
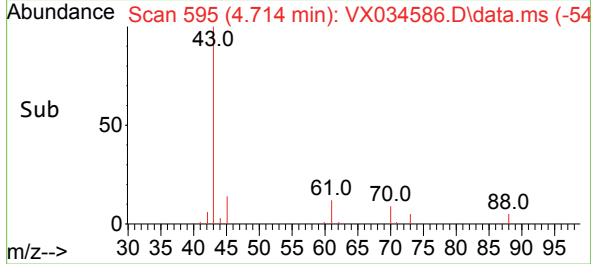
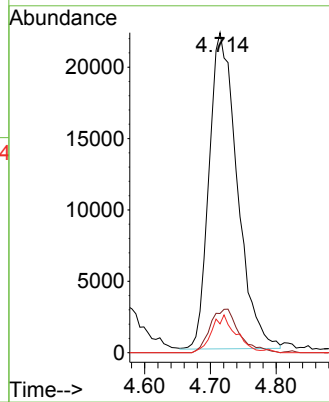
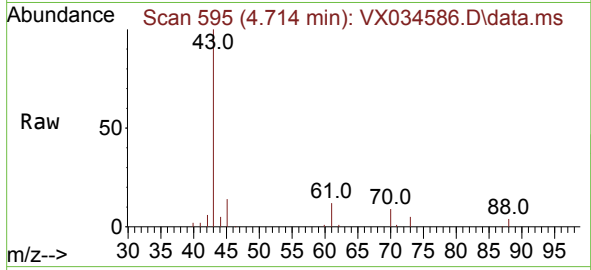




#37
Ethyl Acetate
Concen: 14.977 ug/l
RT: 4.714 min Scan# 593
Delta R.T. 0.012 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

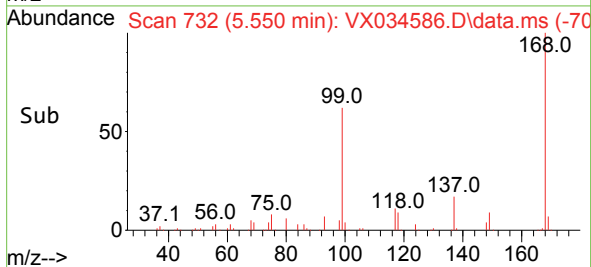
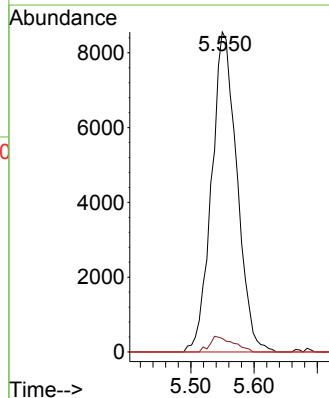
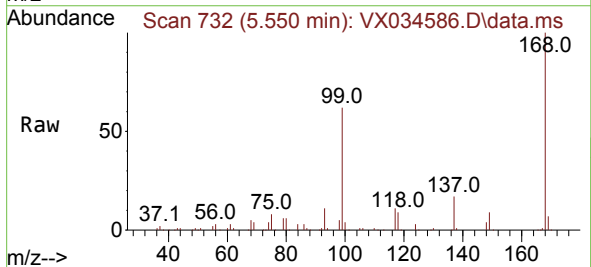
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#07

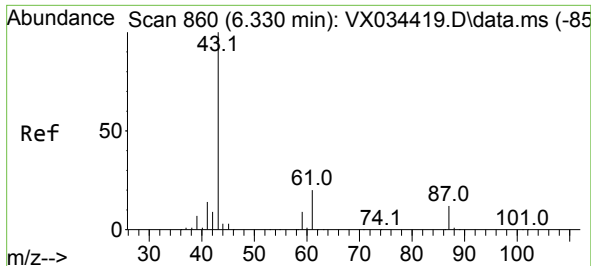
Tgt Ion: 43	Resp: 66055
Ion Ratio	Lower Upper
43 100	
61 14.1	10.2 15.4
70 10.2	8.2 12.4



#38
Carbon Tetrachloride
Concen: 5.928 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

Tgt Ion: 117	Resp: 23806
Ion Ratio	Lower Upper
117 100	
119 4.3	76.6 114.8#
121 0.0	23.8 35.6#

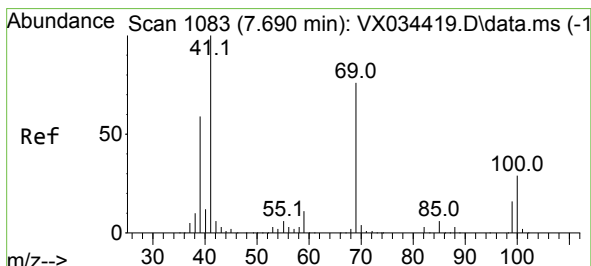
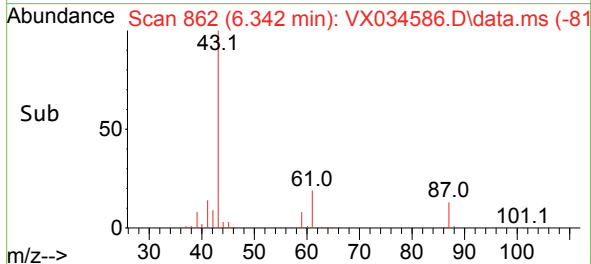
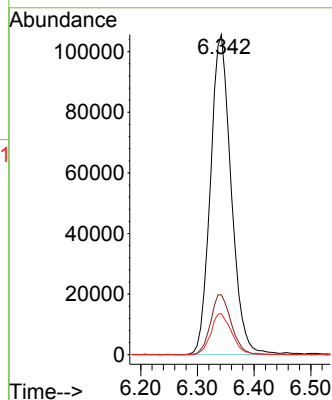
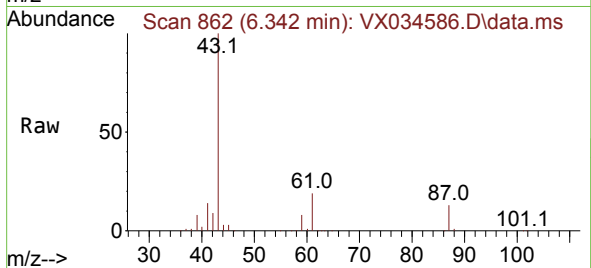




#43
Isopropyl Acetate
Concen: 35.872 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

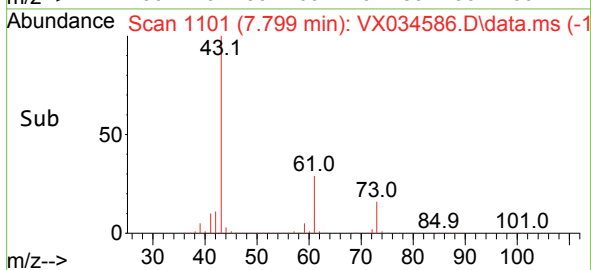
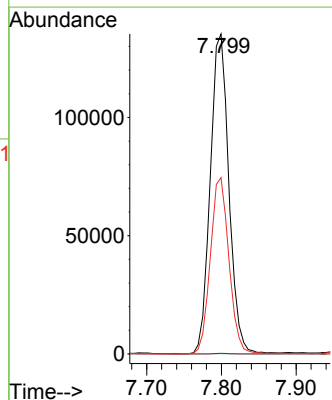
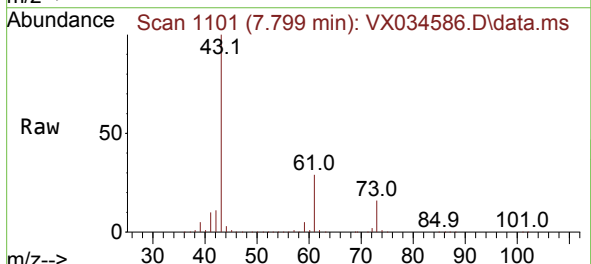
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#07

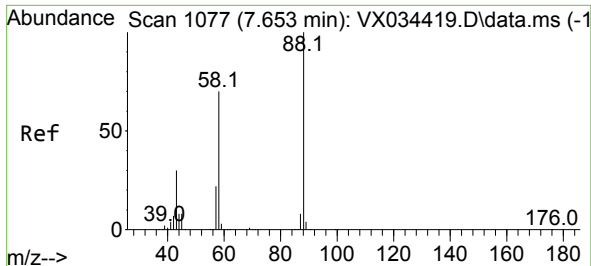
Tgt Ion: 43 Resp: 268018
Ion Ratio Lower Upper
43 100
61 18.8 15.2 22.8
87 12.9 9.8 14.8



#48
Methyl methacrylate
Concen: 65.242 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

Tgt Ion: 41 Resp: 234443
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 55.1 47.7 71.5





#49

1,4-Dioxane

Concen: 5.485 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.146 min

Lab File: VX034586.D

Acq: 17 Mar 2023 15:57

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#07

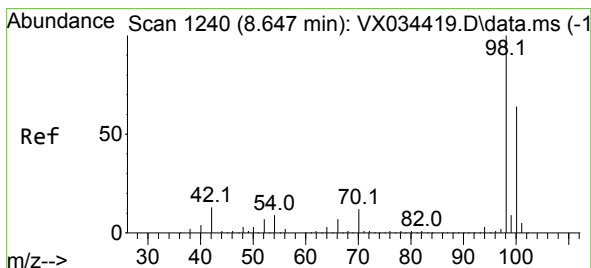
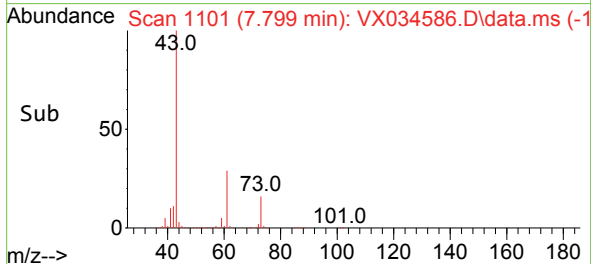
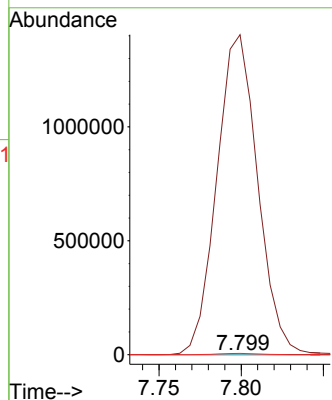
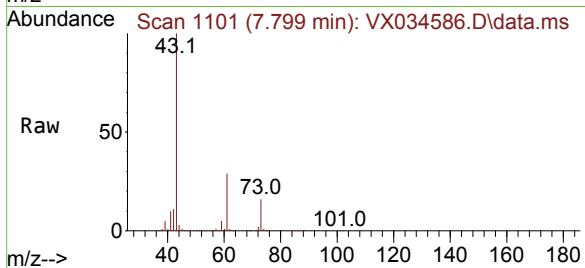
Tgt Ion: 88 Resp: 414

Ion Ratio Lower Upper

88 100

43 589838.9 27.7 41.5#

58 2333.1 56.8 85.2#



#50

Toluene-d8

Concen: 49.821 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034586.D

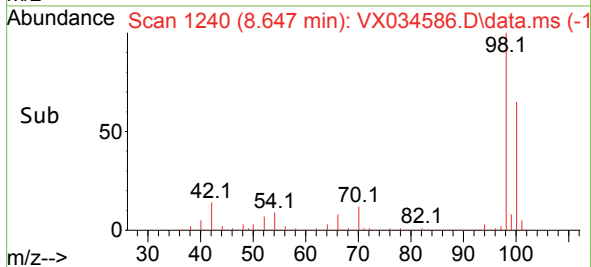
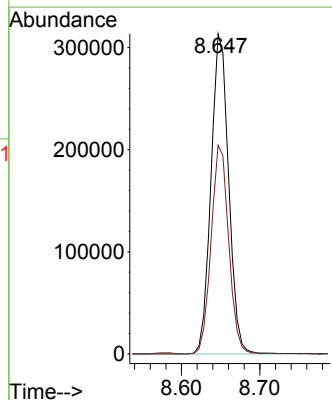
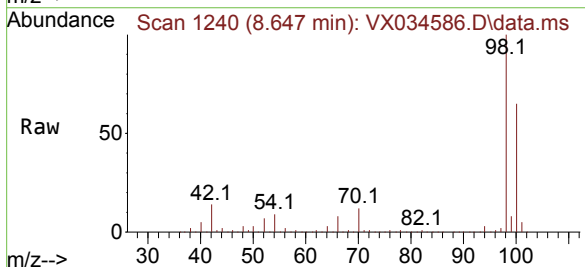
Acq: 17 Mar 2023 15:57

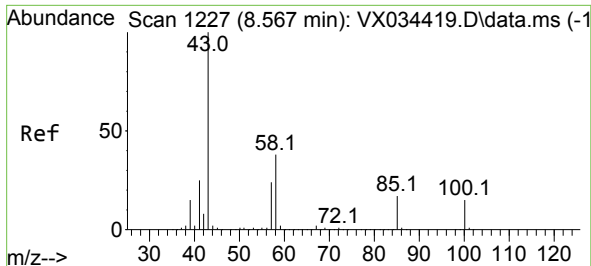
Tgt Ion: 98 Resp: 488853

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7

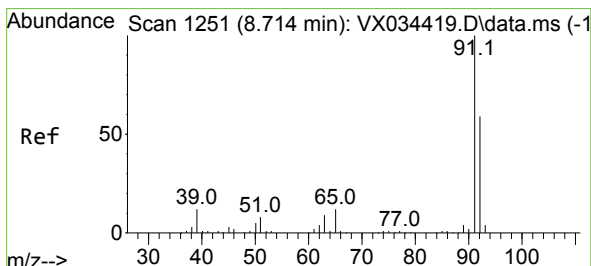
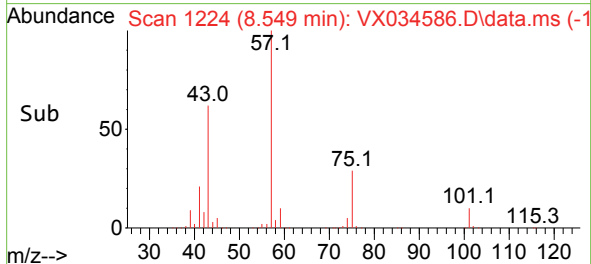
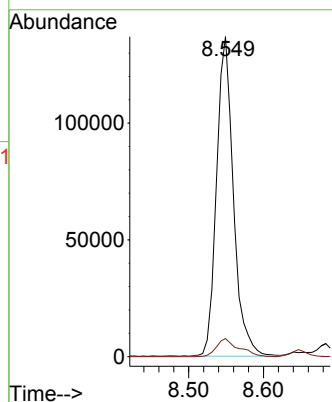
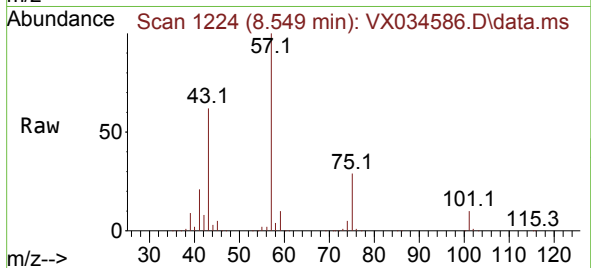




#51
4-Methyl-2-Pentanone
Concen: 49.643 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

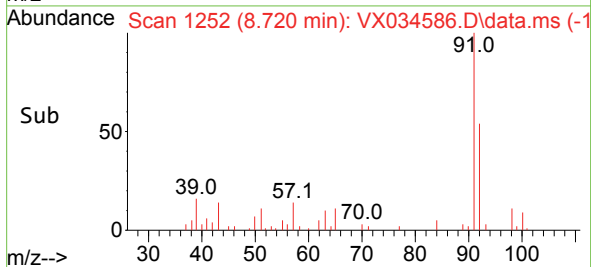
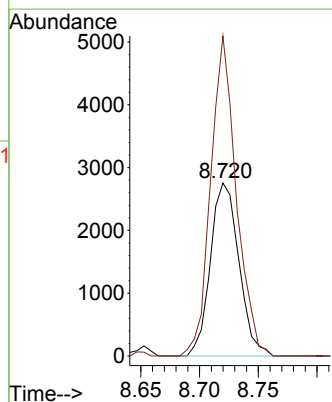
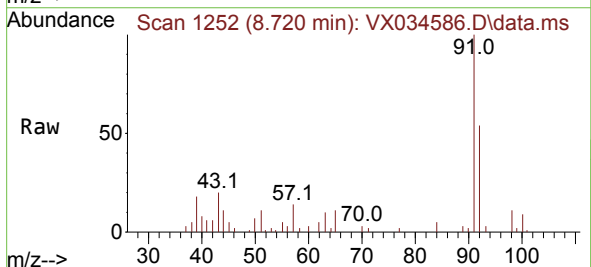
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#07

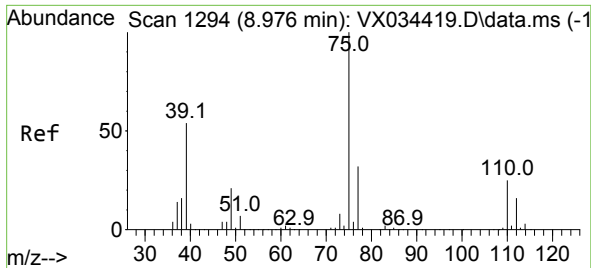
Tgt Ion: 43 Resp: 215167
Ion Ratio Lower Upper
43 100
58 7.4 30.6 46.0#



#52
Toluene
Concen: 0.636 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

Tgt Ion: 92 Resp: 4647
Ion Ratio Lower Upper
92 100
91 166.3 136.8 205.2

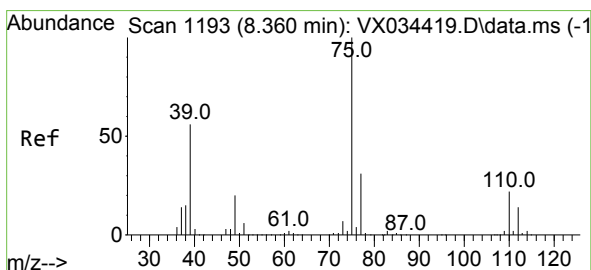
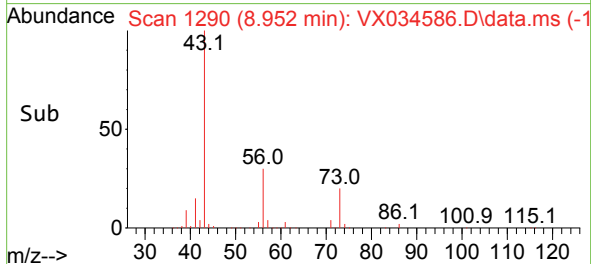
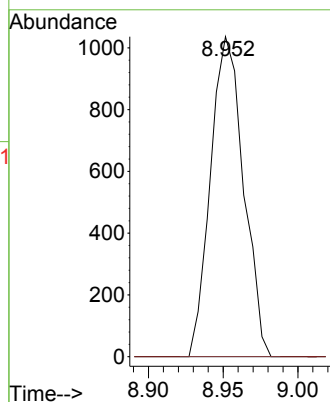
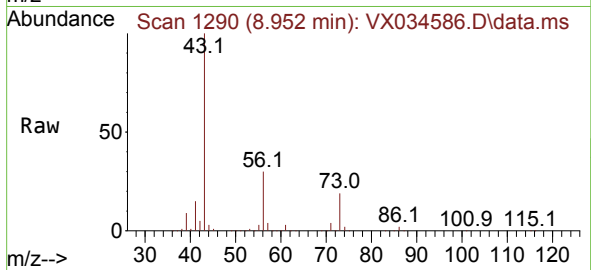




#53
 t-1,3-Dichloropropene
 Concen: 0.348 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX034586.D
 Acq: 17 Mar 2023 15:57

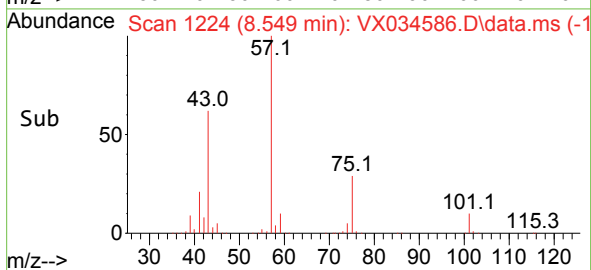
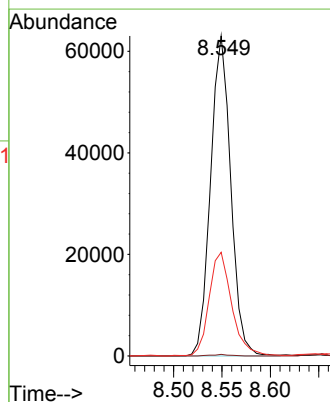
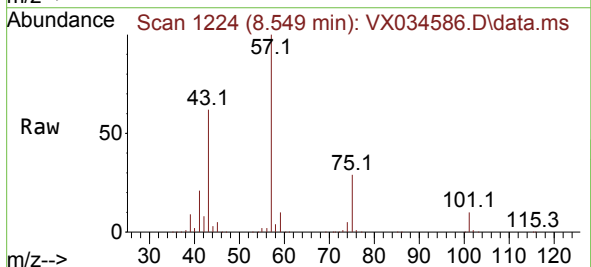
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#07

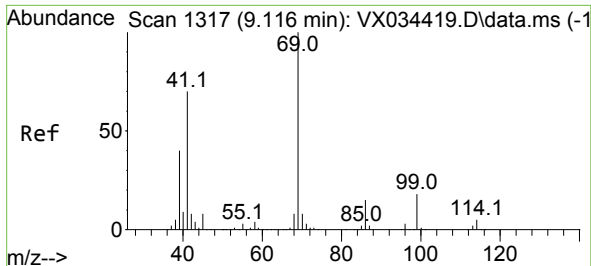
Tgt Ion: 75 Resp: 1592
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 18.539 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX034586.D
 Acq: 17 Mar 2023 15:57

Tgt Ion: 75 Resp: 91682
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 32.3 44.6 66.8#

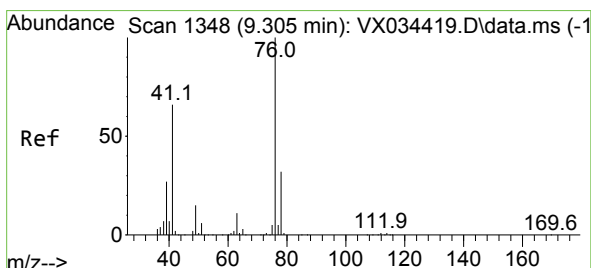
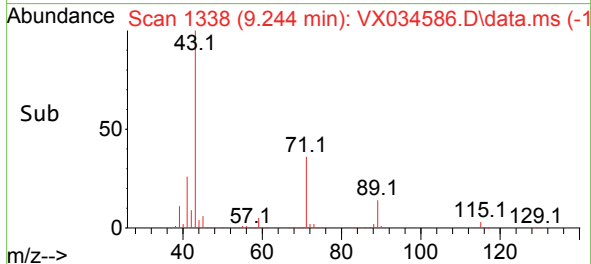
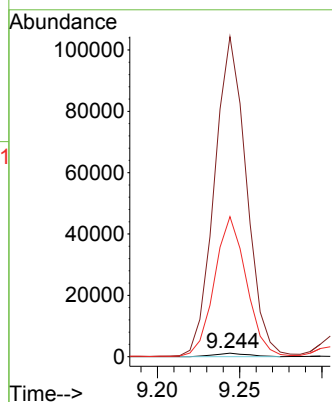
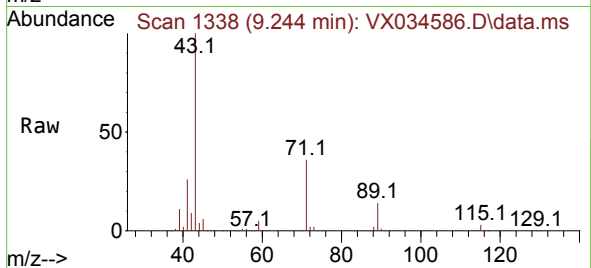




#56
Ethyl methacrylate
Concen: 0.336 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

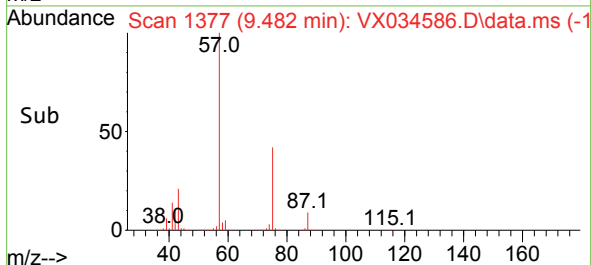
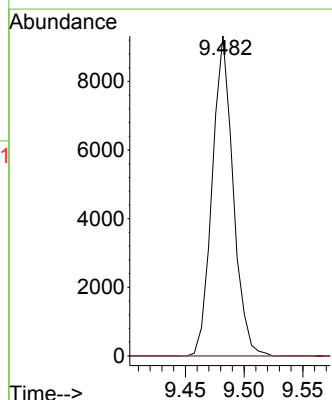
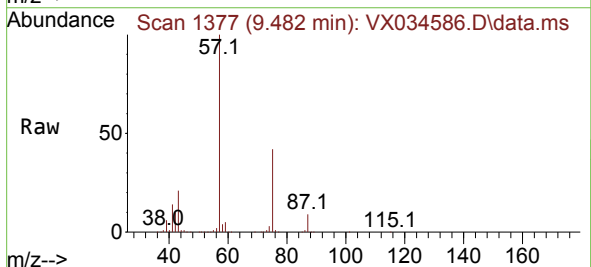
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#07

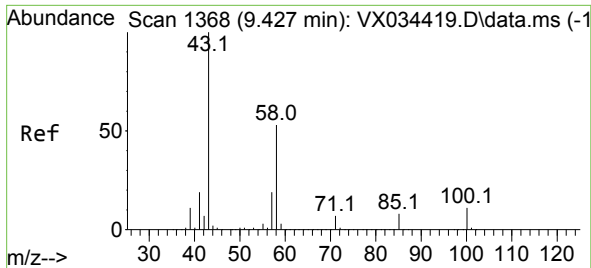
Tgt Ion: 69 Resp: 1602
Ion Ratio Lower Upper
69 100
41 8813.9 57.4 86.0#
39 3843.1 33.7 50.5#



#57
1,3-Dichloropropane
Concen: 2.239 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

Tgt Ion: 76 Resp: 11547
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

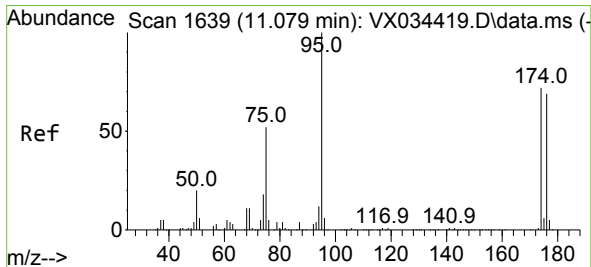
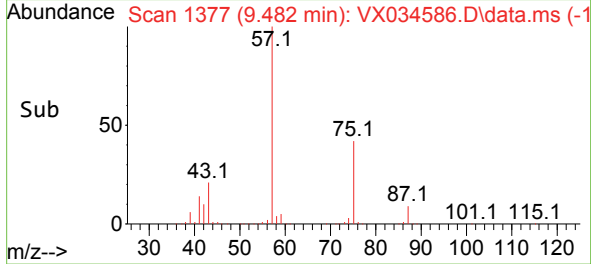
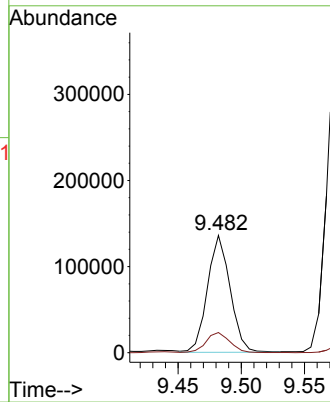
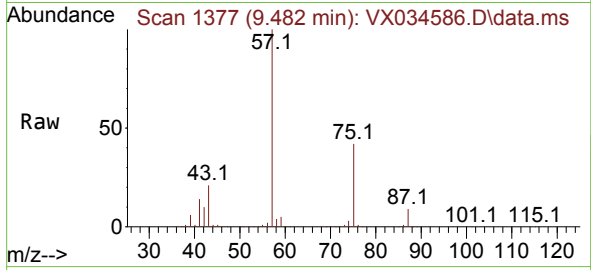




#59
2-Hexanone
Concen: 50.601 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

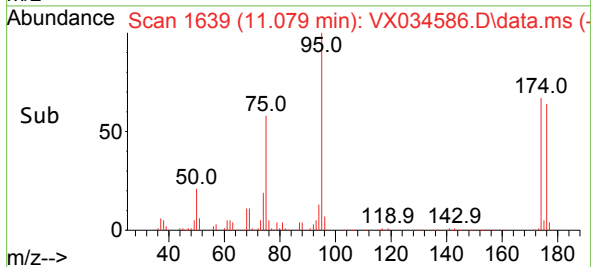
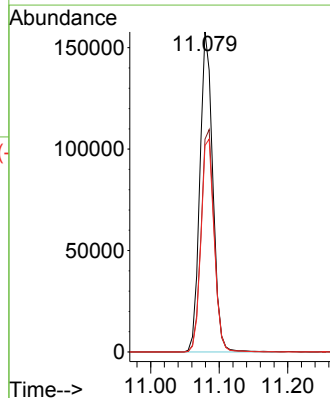
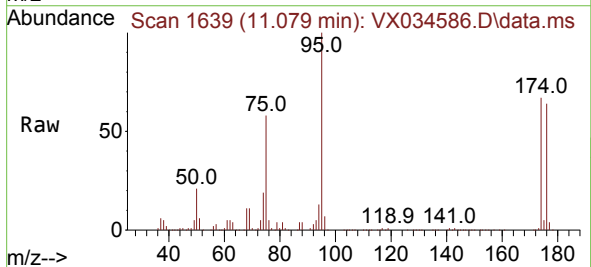
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#07

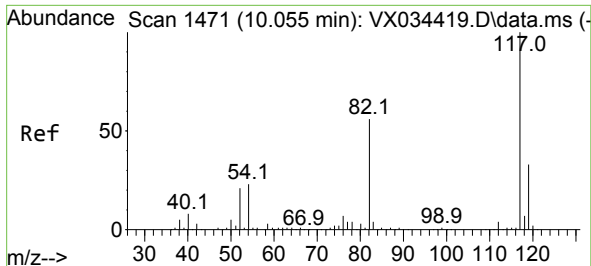
Tgt Ion: 43 Resp: 169538
Ion Ratio Lower Upper
43 100
58 18.3 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 52.376 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

Tgt Ion: 95 Resp: 207585
Ion Ratio Lower Upper
95 100
174 70.6 0.0 147.4
176 68.0 0.0 140.6

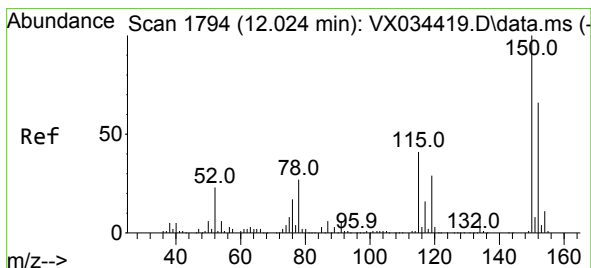
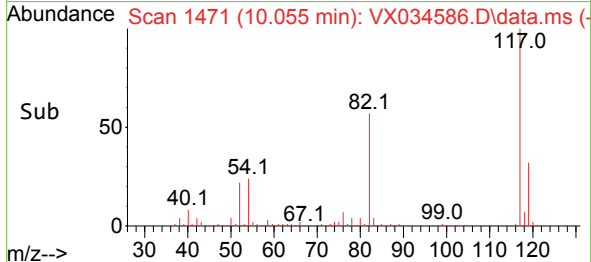
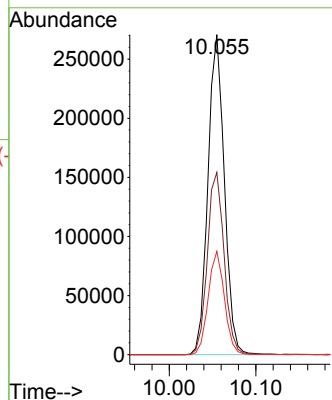
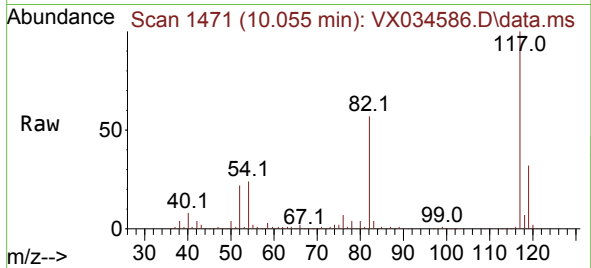




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

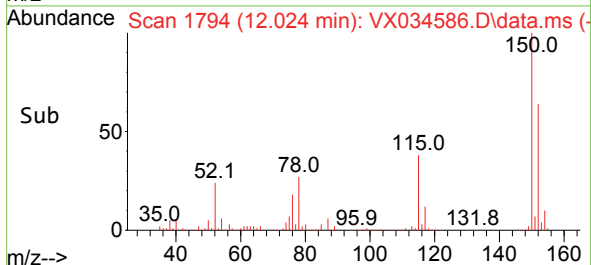
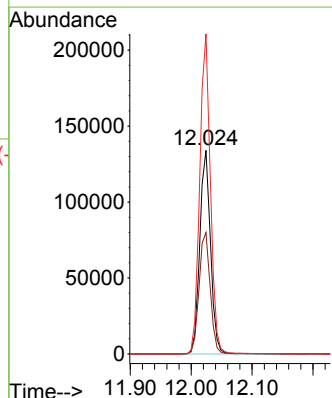
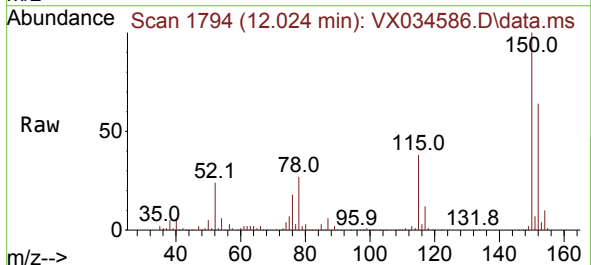
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#07

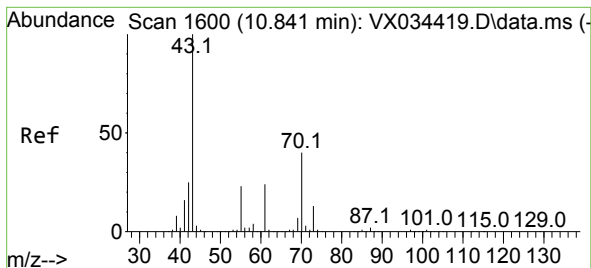
Tgt Ion:117 Resp: 356186
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034586.D
Acq: 17 Mar 2023 15:57

Tgt Ion:152 Resp: 164027
Ion Ratio Lower Upper
152 100
115 61.7 45.0 135.0
150 155.8 0.0 352.4





#74

N-amy1 acetate

Concen: 13.340 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034586.D

Acq: 17 Mar 2023 15:57

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#07

Tgt Ion: 43 Resp: 80999

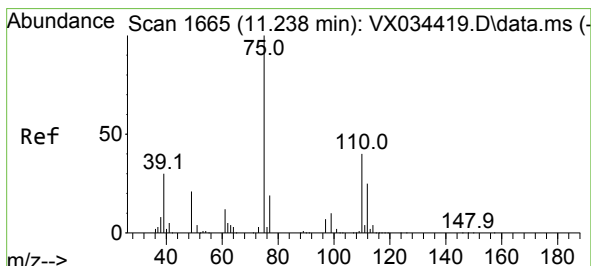
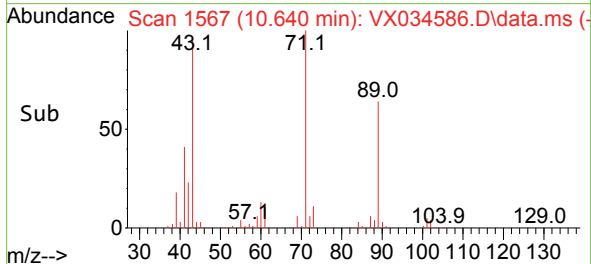
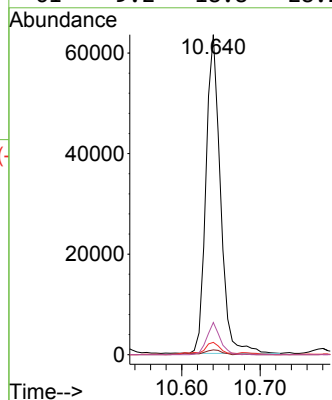
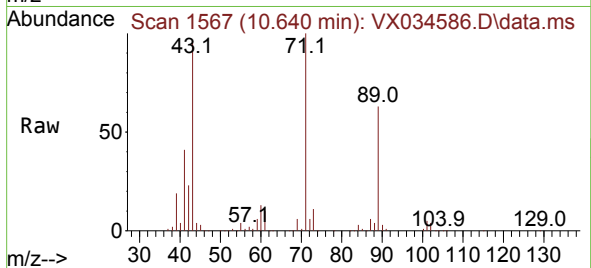
Ion Ratio Lower Upper

43 100

70 1.7 32.1 48.1#

55 4.8 18.3 27.5#

61 9.2 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 30.387 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034586.D

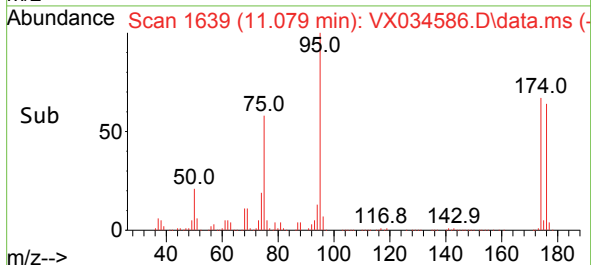
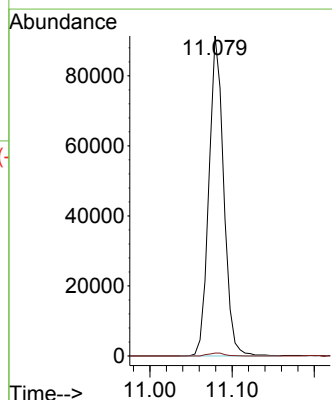
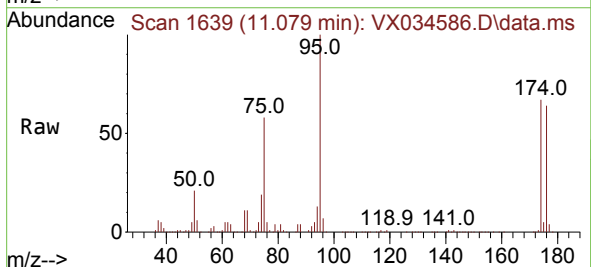
Acq: 17 Mar 2023 15:57

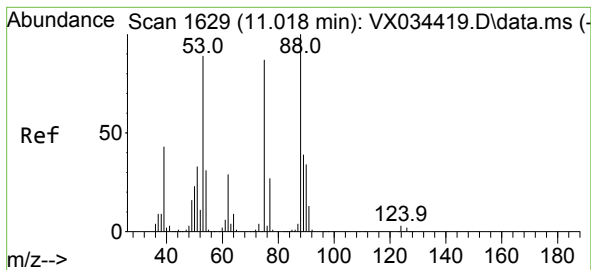
Tgt Ion: 75 Resp: 114444

Ion Ratio Lower Upper

75 100

77 1.0 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.205 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034586.D
 Acq: 17 Mar 2023 15:57

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#07

Tgt Ion: 75 Resp: 114444
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

