

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030323\
 Data File : VX034323.D
 Acq On : 03 Mar 2023 15:24
 Operator : JC/MD
 Sample : PB151167ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

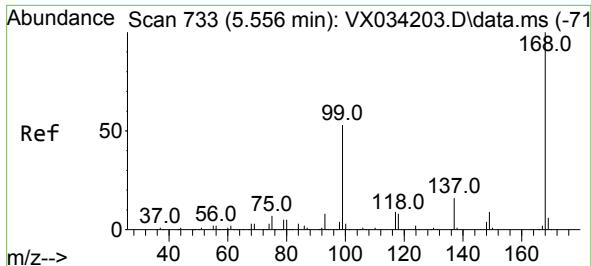
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151167ZHE#05

Quant Time: Mar 03 22:13:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	268424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	450364	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	413023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	181383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	164893	45.613	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.220%		
35) Dibromofluoromethane	5.385	113	143410	48.907	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.820%		
50) Toluene-d8	8.647	98	548574	52.106	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.220%		
62) 4-Bromofluorobenzene	11.079	95	192891	47.899	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.800%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	286	Below Cal	#	71
11) Tert butyl alcohol	2.947	59	4373	5.408	ug/l	100
13) Acrolein	2.227	56	212	0.574	ug/l #	59
16) Acetone	2.380	43	59871	32.106	ug/l	94
18) Methyl Acetate	2.703	43	4821	0.835	ug/l	94
20) Methylene Chloride	2.788	84	10585	3.150	ug/l	93
25) 2-Butanone	4.568	43	7026	2.604	ug/l	97
29) Tetrahydrofuran	5.032	42	1156	0.702	ug/l #	66
31) Cyclohexane	5.550	56	5776	1.070	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	20120	4.640	ug/l #	48
37) Ethyl Acetate	4.715	43	76217	15.726	ug/l	99
38) Carbon Tetrachloride	5.550	117	25521	5.719	ug/l #	15
43) Isopropyl Acetate	6.336	43	314102	36.726	ug/l	99
48) Methyl methacrylate	7.799	41	249969	61.579	ug/l #	45
49) 1,4-Dioxane	7.635	88	44	0.543	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	236097	50.175	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	2091	0.393	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	108675	19.086	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	13810	2.525	ug/l #	43
59) 2-Hexanone	9.482	43	192021	53.547	ug/l #	51
74) N-amyl acetate	10.640	43	81523	11.739	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	96729	21.193	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	96729	54.444	ug/l #	8

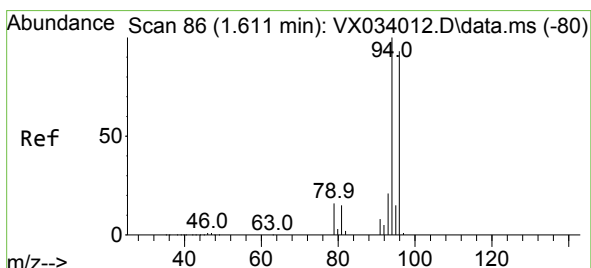
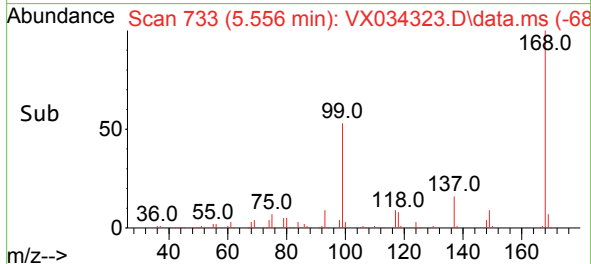
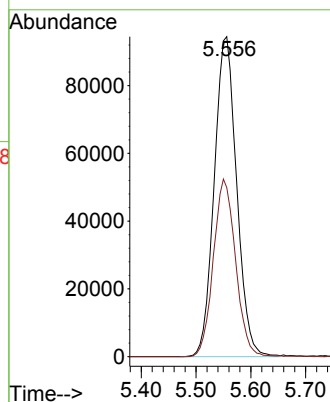
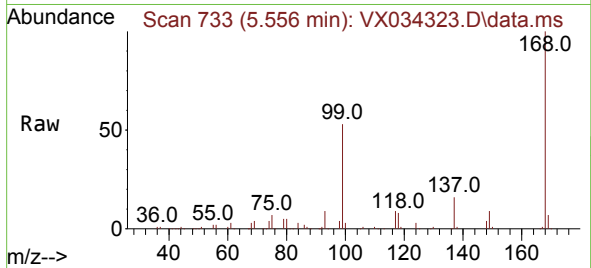
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

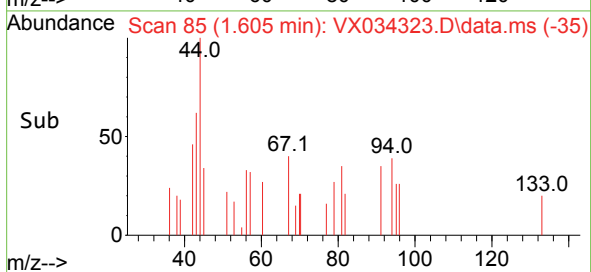
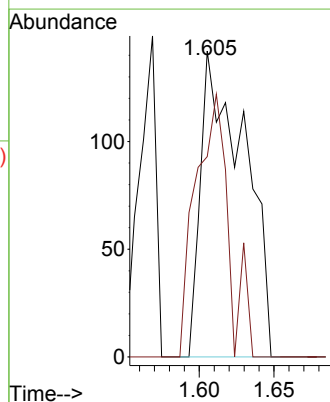
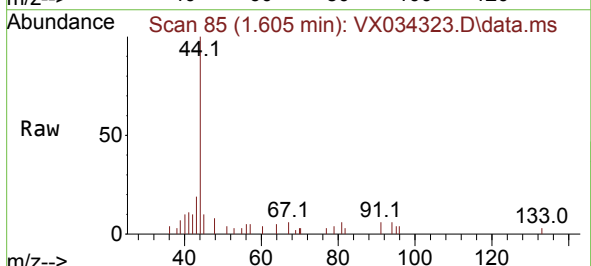
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#05

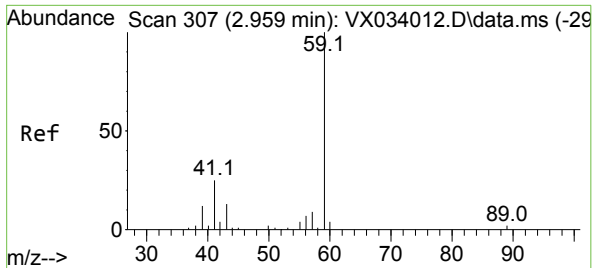
Tgt Ion:168 Resp: 268424
Ion Ratio Lower Upper
168 100
99 52.9 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

Tgt Ion: 94 Resp: 286
Ion Ratio Lower Upper
94 100
96 65.5 74.3 111.5#





#11

Tert butyl alcohol

Concen: 5.408 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX034323.D

Acq: 03 Mar 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

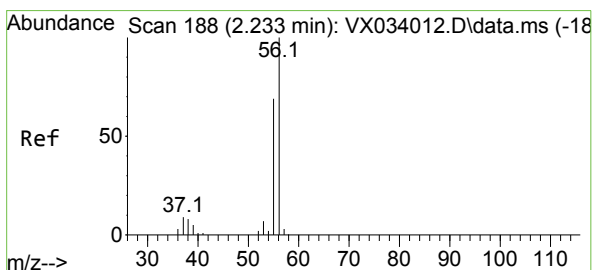
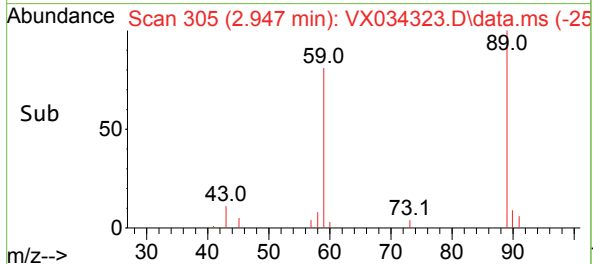
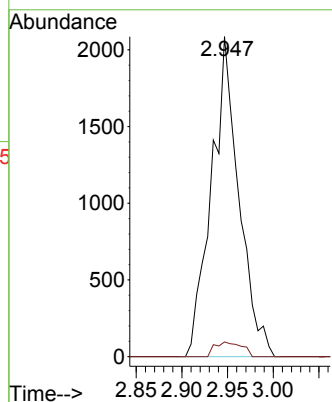
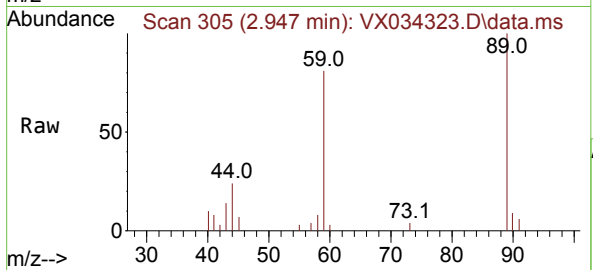
PB151167ZHE#05

Tgt Ion: 59 Resp: 4373

Ion Ratio Lower Upper

59 100

57 4.5 3.7 5.5



#13

Acrolein

Concen: 0.574 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX034323.D

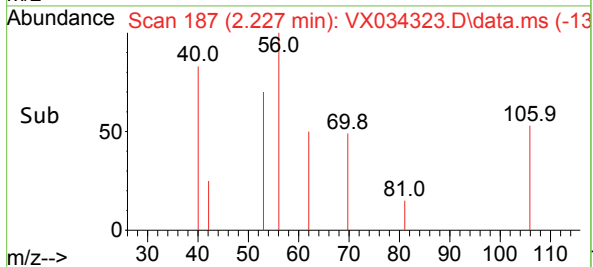
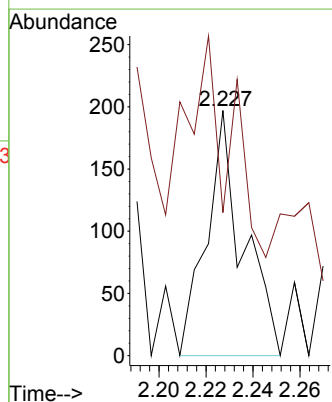
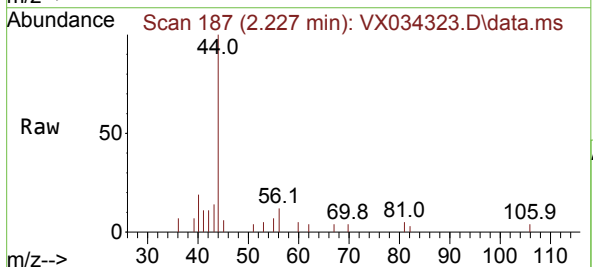
Acq: 03 Mar 2023 15:24

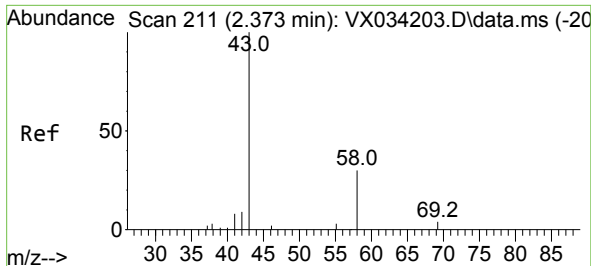
Tgt Ion: 56 Resp: 212

Ion Ratio Lower Upper

56 100

55 104.2 56.3 84.5#

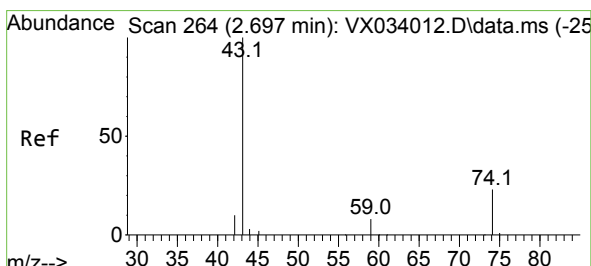
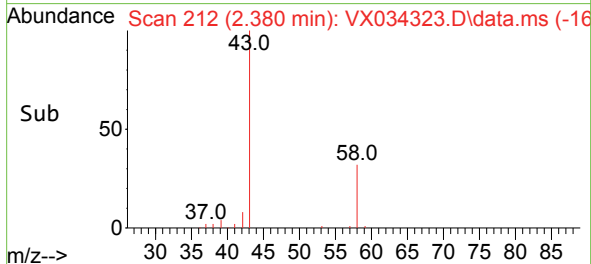
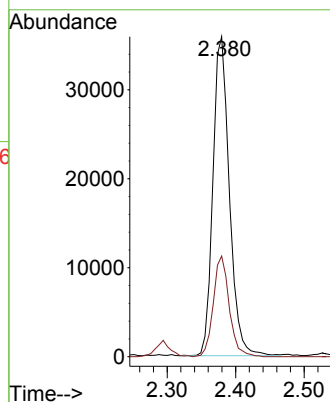
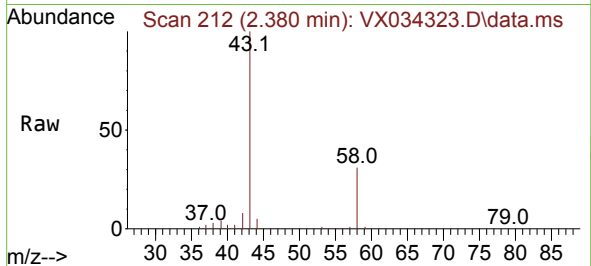




#16
Acetone
Concen: 32.106 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

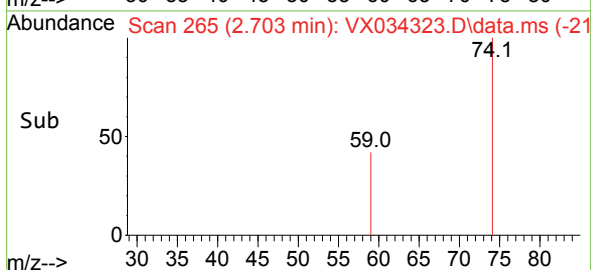
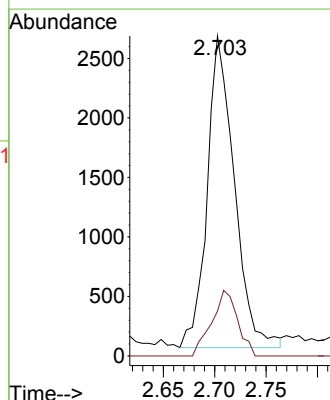
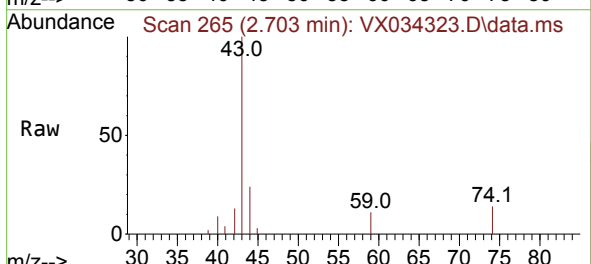
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#05

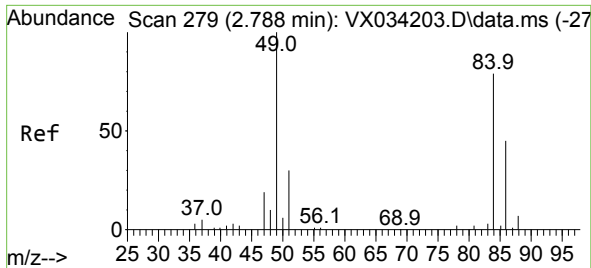
Tgt Ion: 43 Resp: 59871
Ion Ratio Lower Upper
43 100
58 31.5 22.6 33.8



#18
Methyl Acetate
Concen: 0.835 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

Tgt Ion: 43 Resp: 4821
Ion Ratio Lower Upper
43 100
74 19.8 18.2 27.4

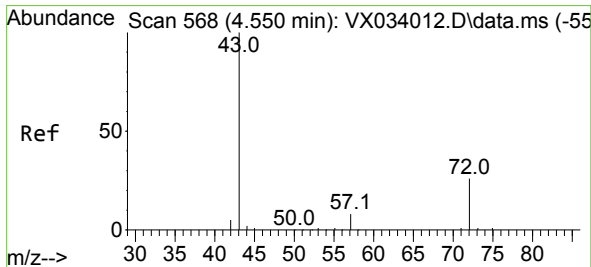
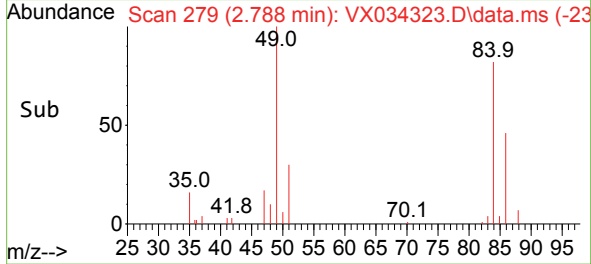
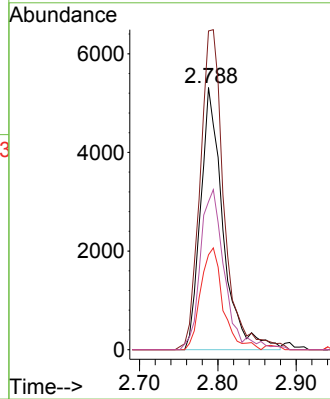
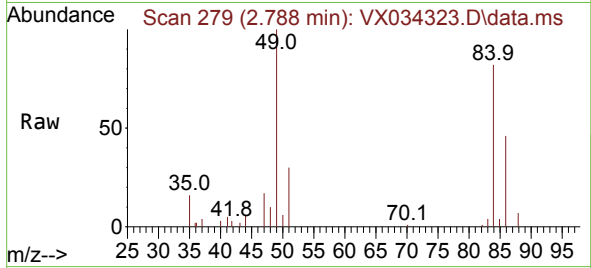




#20
Methylene Chloride
Concen: 3.150 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

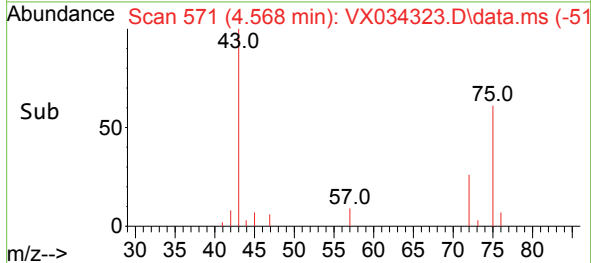
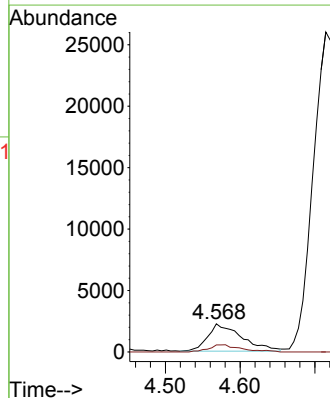
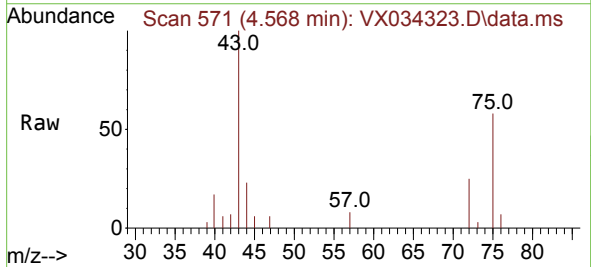
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#05

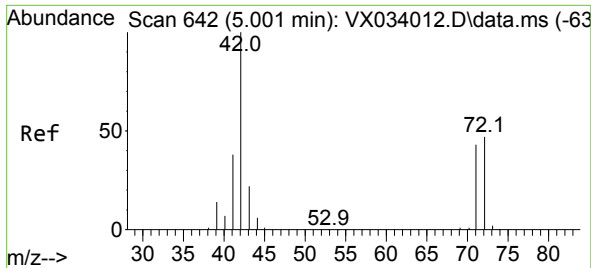
Tgt Ion: 84	Resp: 10585
Ion Ratio	Lower Upper
84	100
49	120.4 101.1 151.7
51	36.2 31.0 46.6
86	56.4 52.6 79.0



#25
2-Butanone
Concen: 2.604 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.024 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

Tgt Ion: 43	Resp: 7026
Ion Ratio	Lower Upper
43	100
72	26.0 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.702 ug/l

RT: 5.032 min Scan# 642

Delta R.T. 0.037 min

Lab File: VX034323.D

Acq: 03 Mar 2023 15:24

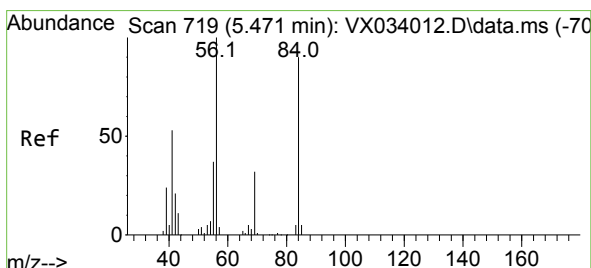
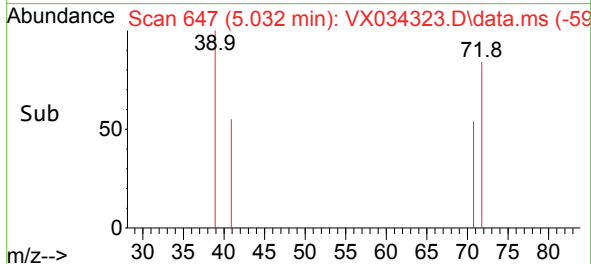
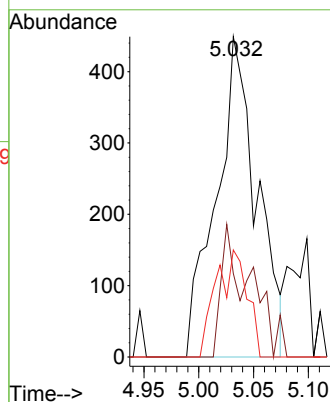
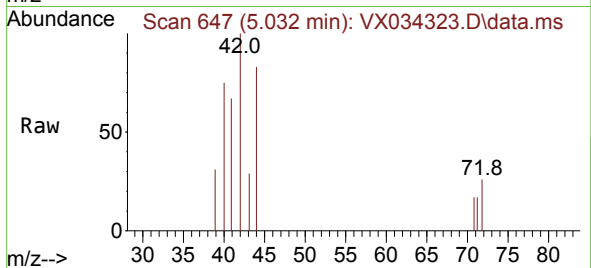
Instrument :

MSVOA_X

ClientSampleId :

PB151167ZHE#05

Tgt Ion:	42	Resp:	1156
Ion	Ratio	Lower	Upper
42	100		
72	15.1	34.8	52.2#
71	25.4	32.2	48.2#



#31

Cyclohexane

Concen: 1.070 ug/l

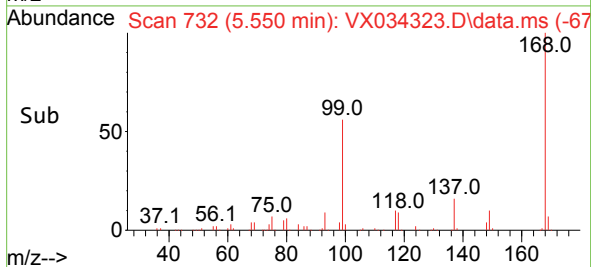
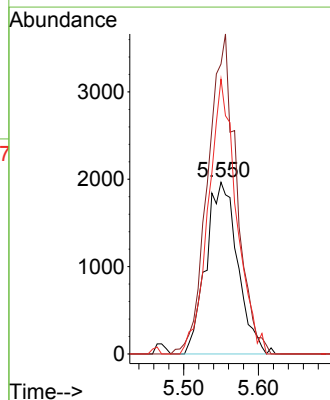
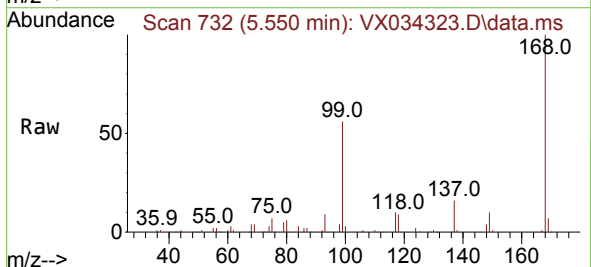
RT: 5.550 min Scan# 732

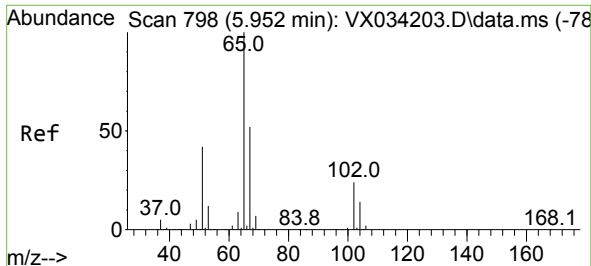
Delta R.T. 0.079 min

Lab File: VX034323.D

Acq: 03 Mar 2023 15:24

Tgt Ion:	56	Resp:	5776
Ion	Ratio	Lower	Upper
56	100		
69	169.0	24.6	37.0#
84	160.2	71.0	106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.613 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034323.D

Acq: 03 Mar 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

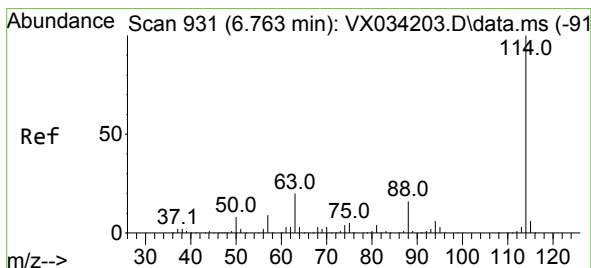
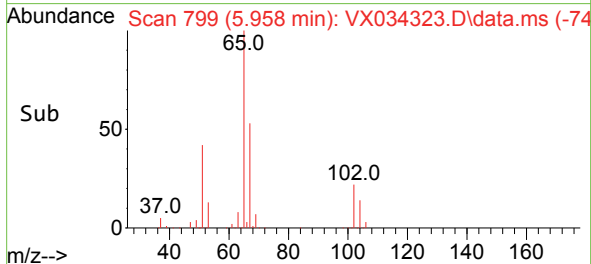
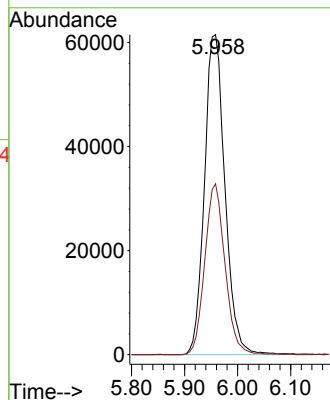
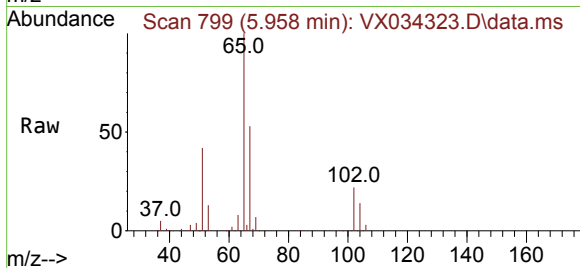
PB151167ZHE#05

Tgt Ion: 65 Resp: 164893

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034323.D

Acq: 03 Mar 2023 15:24

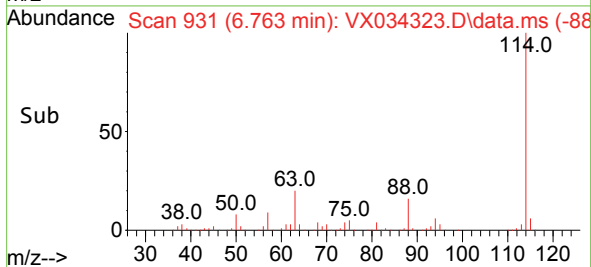
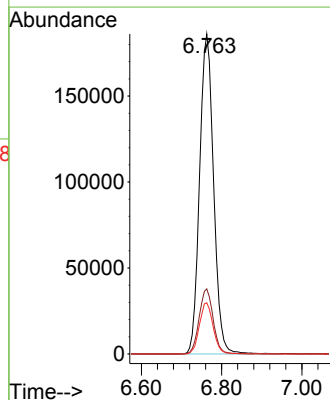
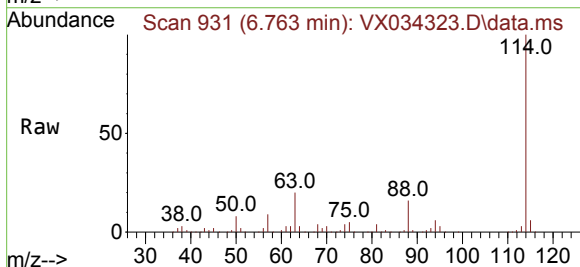
Tgt Ion: 114 Resp: 450364

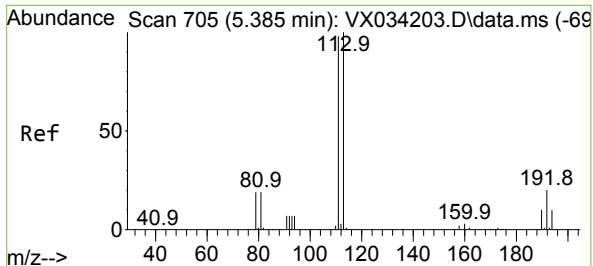
Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

88 16.0 0.0 30.6

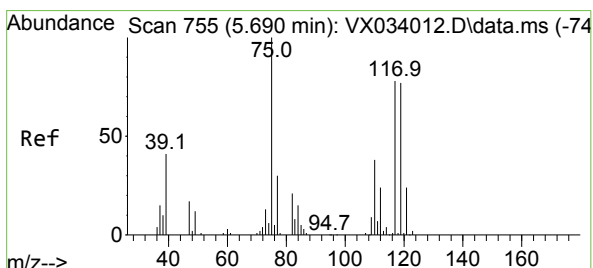
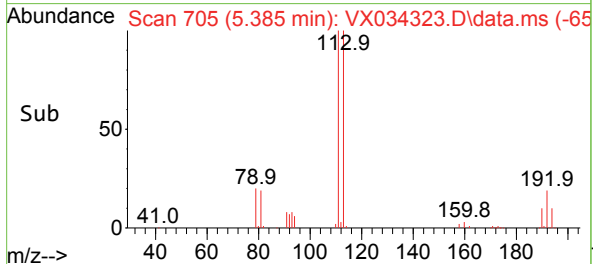
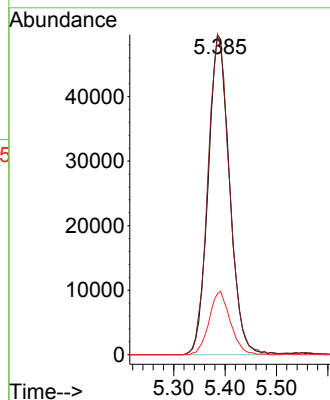
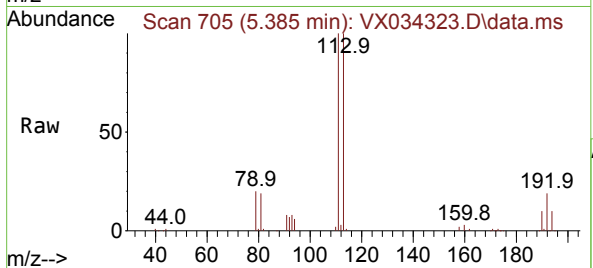




#35
Dibromofluoromethane
Concen: 48.907 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

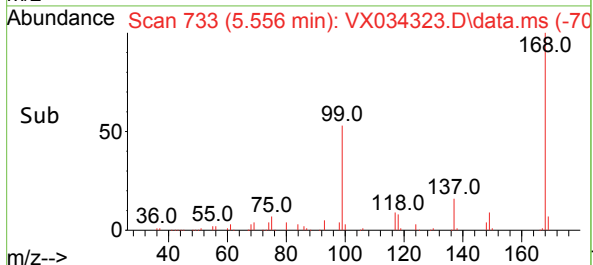
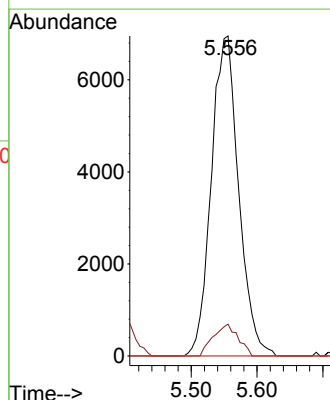
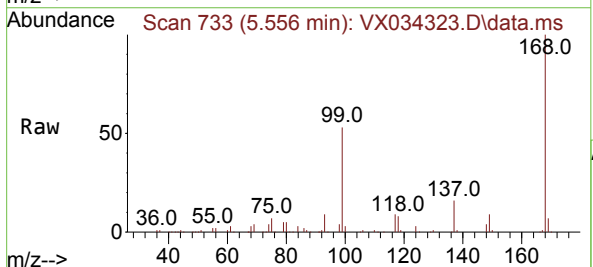
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#05

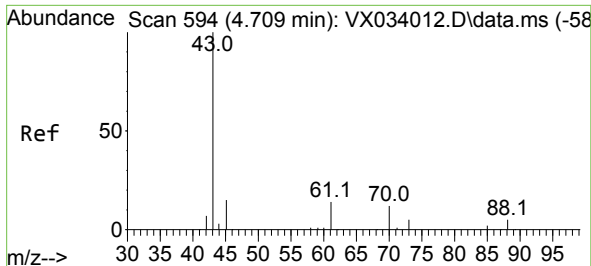
Tgt Ion:113 Resp: 143410
Ion Ratio Lower Upper
113 100
111 101.1 83.0 124.6
192 19.6 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.640 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

Tgt Ion: 75 Resp: 20120
Ion Ratio Lower Upper
75 100
110 9.0 18.8 56.4#
77 0.0 25.1 37.7#

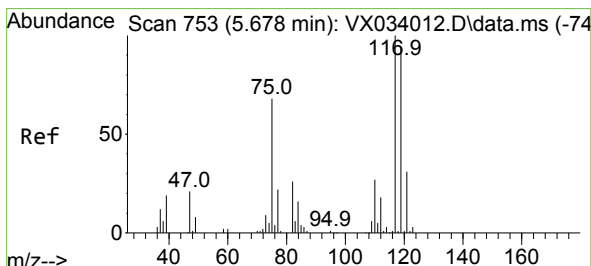
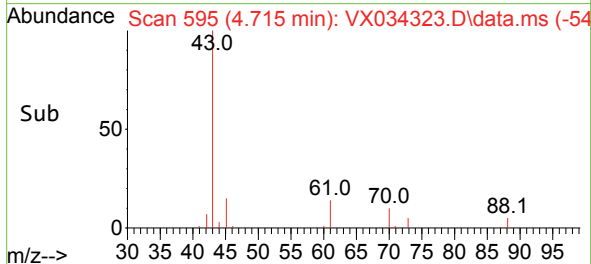
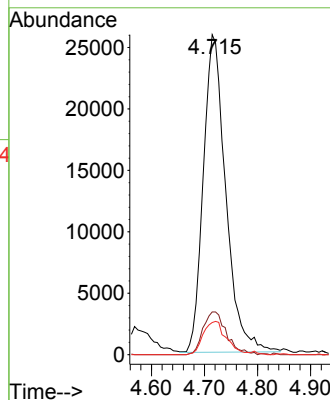
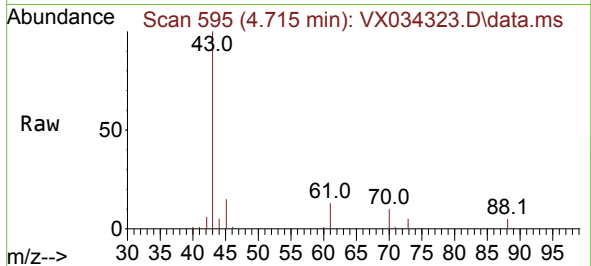




#37
Ethyl Acetate
Concen: 15.726 ug/l
RT: 4.715 min Scan# 594
Delta R.T. 0.006 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

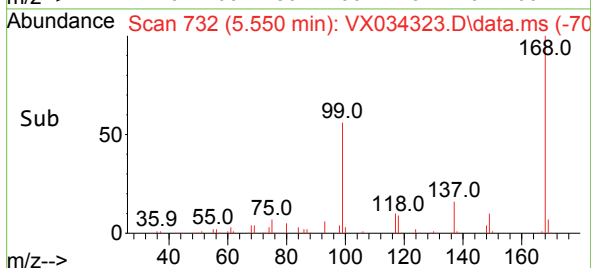
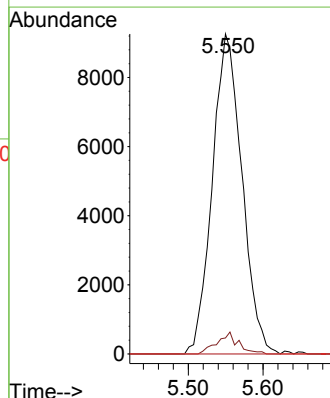
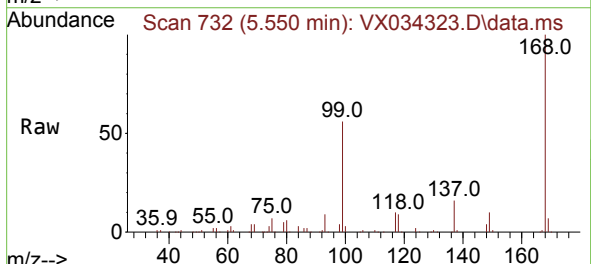
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#05

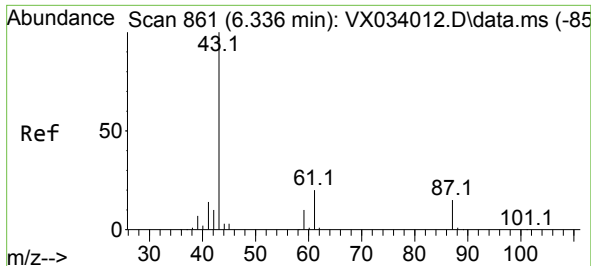
Tgt Ion: 43 Resp: 76217
Ion Ratio Lower Upper
43 100
61 14.1 11.1 16.7
70 10.9 8.5 12.7



#38
Carbon Tetrachloride
Concen: 5.719 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

Tgt Ion: 117 Resp: 25521
Ion Ratio Lower Upper
117 100
119 5.0 78.0 117.0#
121 0.0 24.4 36.6#

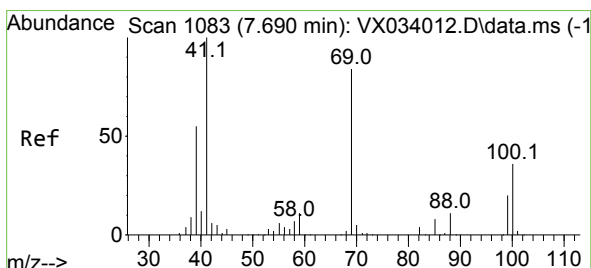
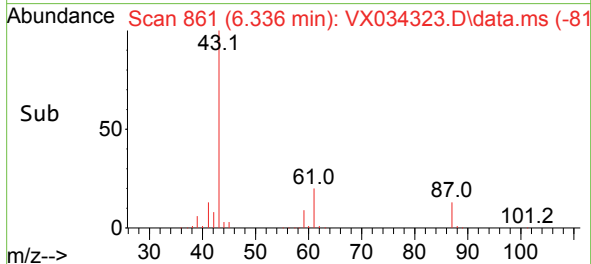
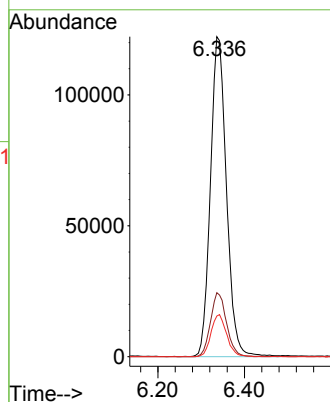
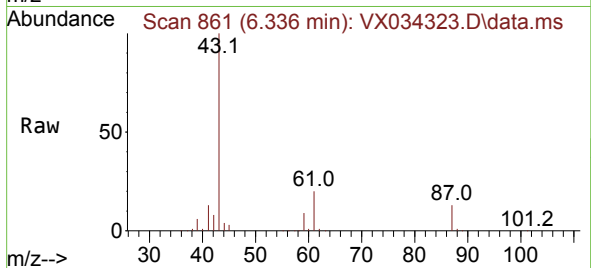




#43
Isopropyl Acetate
Concen: 36.726 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

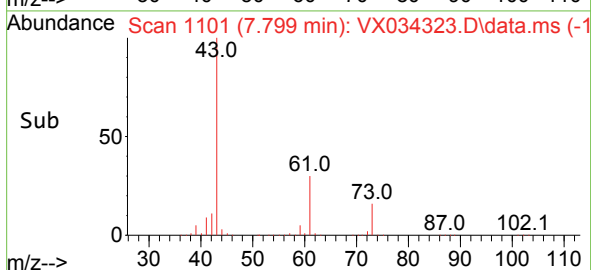
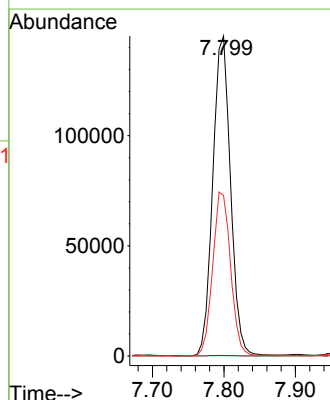
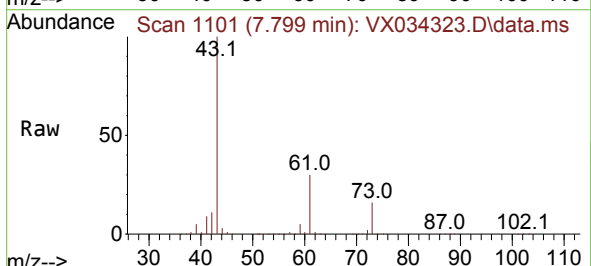
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#05

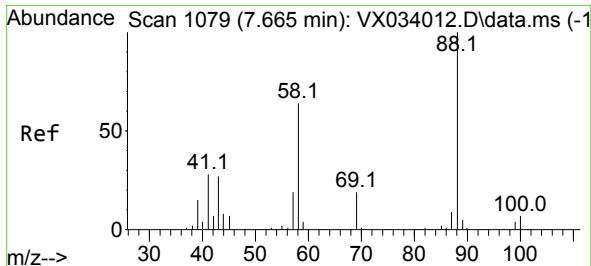
Tgt Ion: 43 Resp: 314102
Ion Ratio Lower Upper
43 100
61 19.9 15.7 23.5
87 12.8 10.6 15.8



#48
Methyl methacrylate
Concen: 61.579 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

Tgt Ion: 41 Resp: 249969
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 52.0 43.2 64.8





#49

1,4-Dioxane

Concen: 0.543 ug/l

RT: 7.635 min Scan# 1079

Delta R.T. -0.018 min

Lab File: VX034323.D

Acq: 03 Mar 2023 15:24

Instrument :

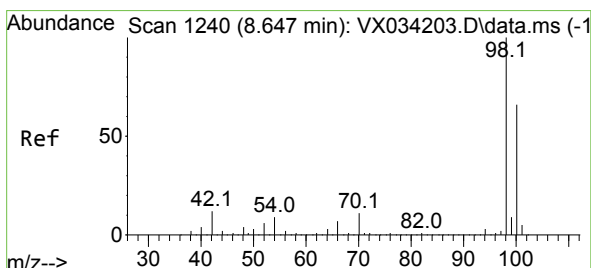
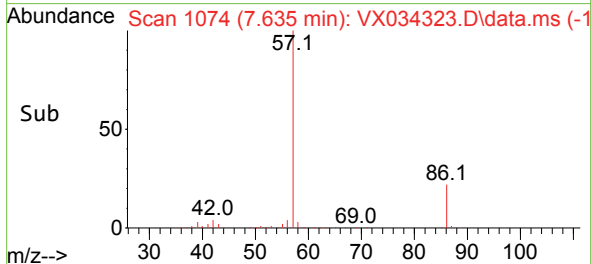
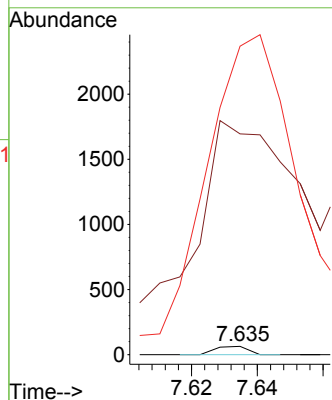
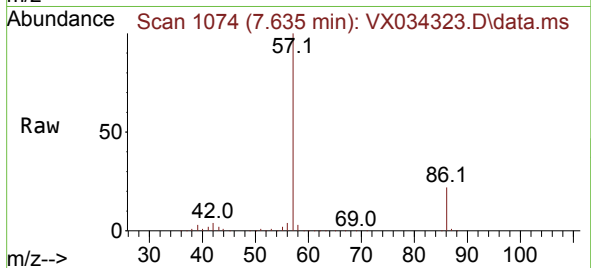
MSVOA_X

ClientSampleId :

PB151167ZHE#05

Tgt Ion: 88 Resp: 44

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	11352.3	56.5	84.7#



#50

Toluene-d8

Concen: 52.106 ug/l

RT: 8.647 min Scan# 1240

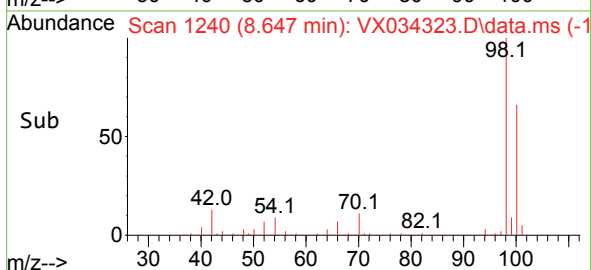
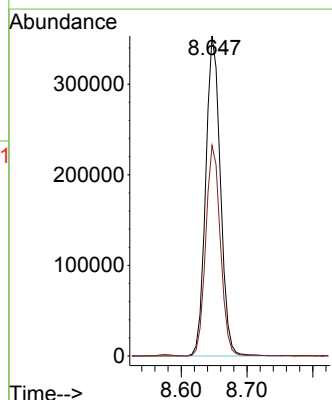
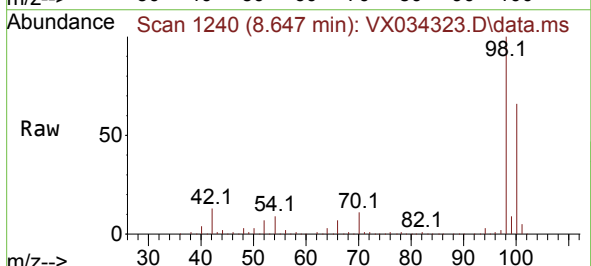
Delta R.T. 0.000 min

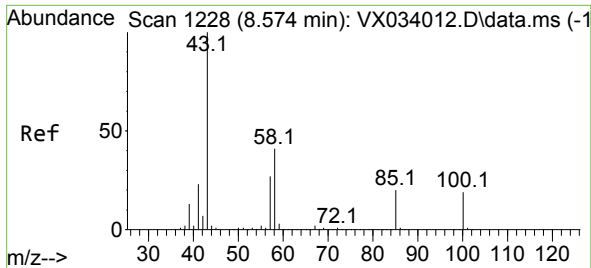
Lab File: VX034323.D

Acq: 03 Mar 2023 15:24

Tgt Ion: 98 Resp: 548574

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.6	80.4

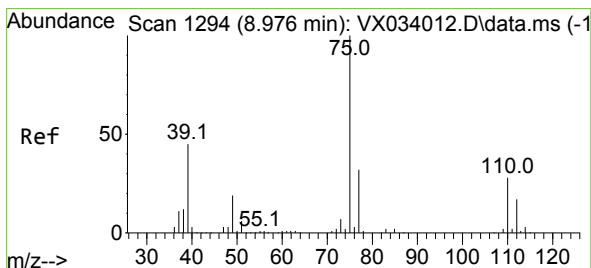
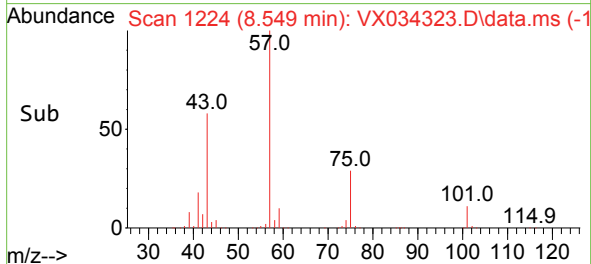
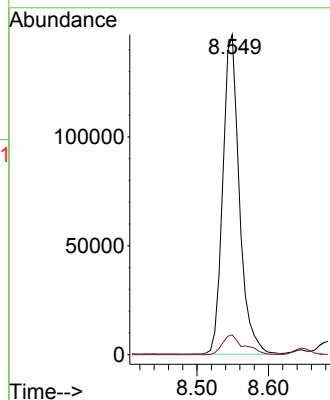
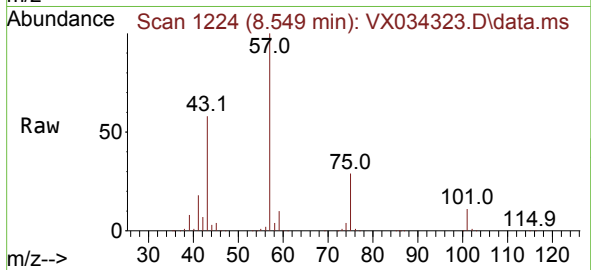




#51
4-Methyl-2-Pentanone
Concen: 50.175 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

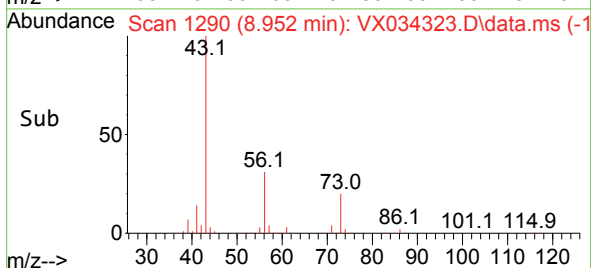
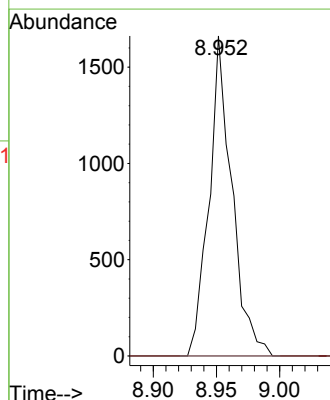
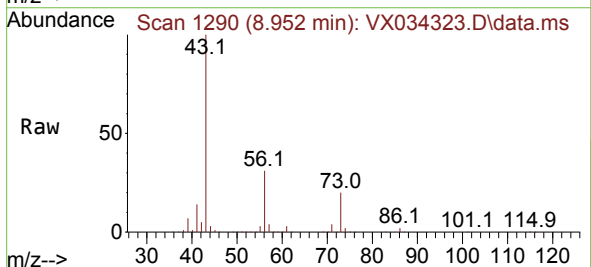
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#05

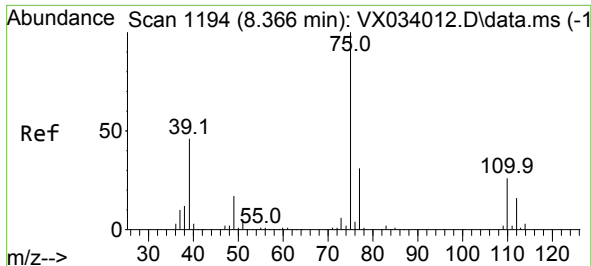
Tgt Ion: 43 Resp: 236097
Ion Ratio Lower Upper
43 100
58 8.0 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.393 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

Tgt Ion: 75 Resp: 2091
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

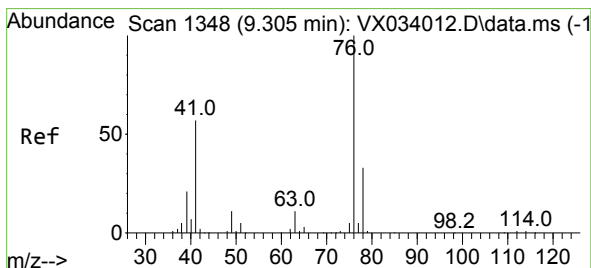
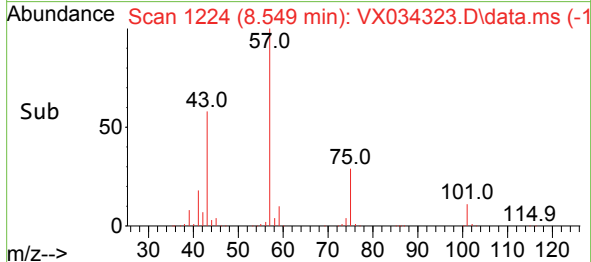
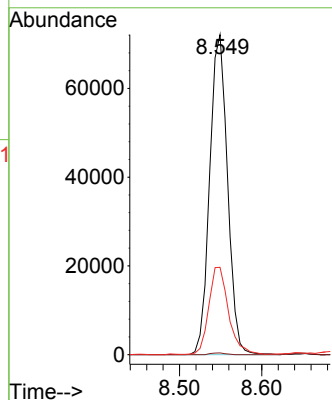
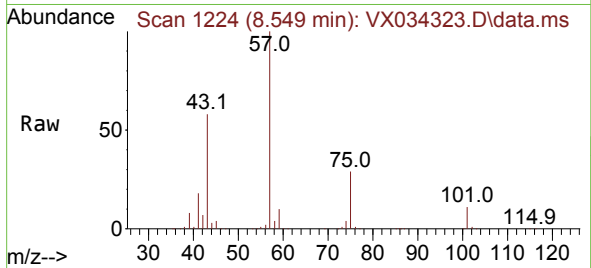




#54
 cis-1,3-Dichloropropene
 Concen: 19.086 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034323.D
 Acq: 03 Mar 2023 15:24

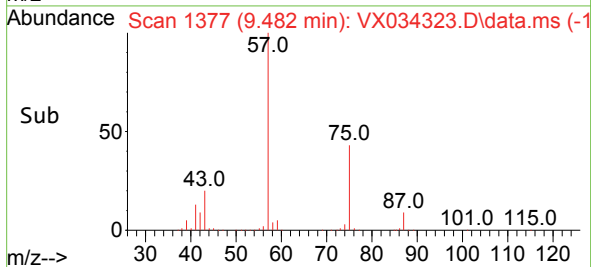
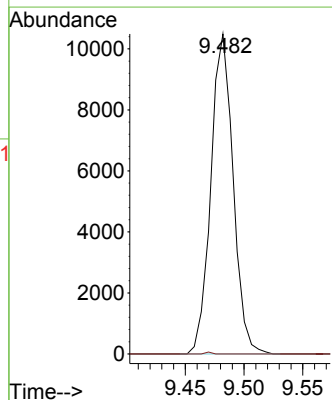
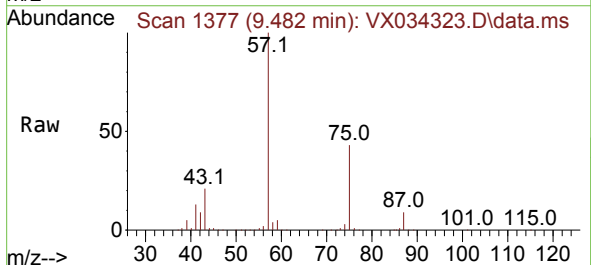
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151167ZHE#05

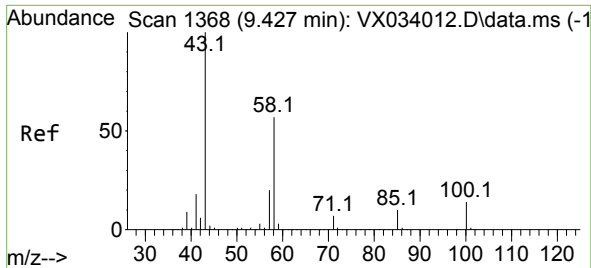
Tgt Ion: 75 Resp: 108675
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 27.2 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 2.525 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034323.D
 Acq: 03 Mar 2023 15:24

Tgt Ion: 76 Resp: 13810
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.6 38.4#

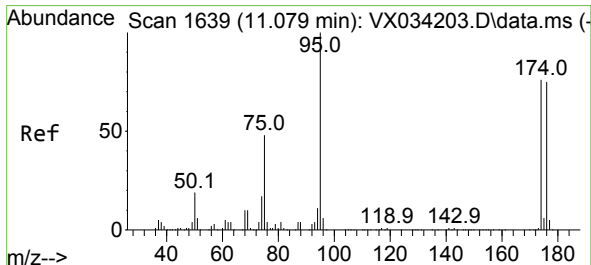
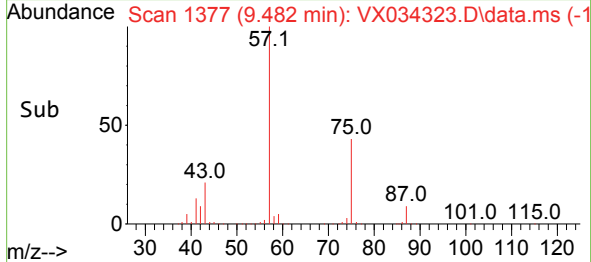
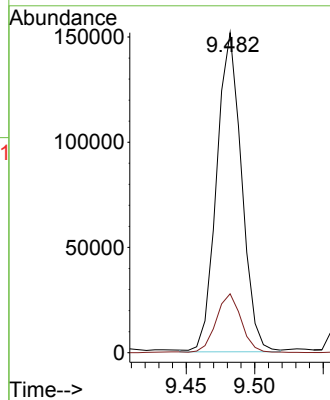
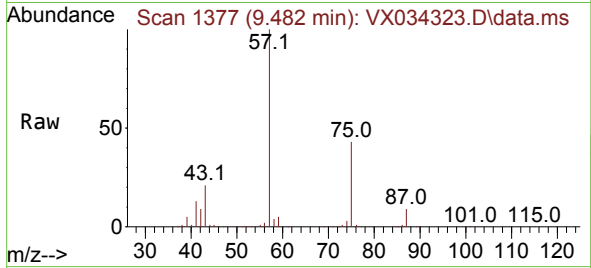




#59
2-Hexanone
Concen: 53.547 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

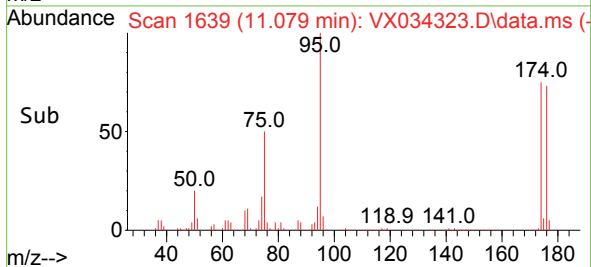
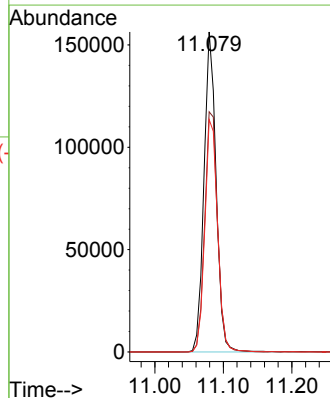
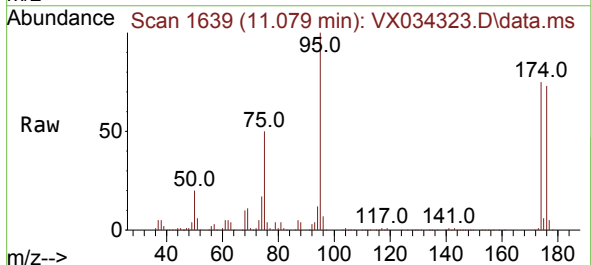
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#05

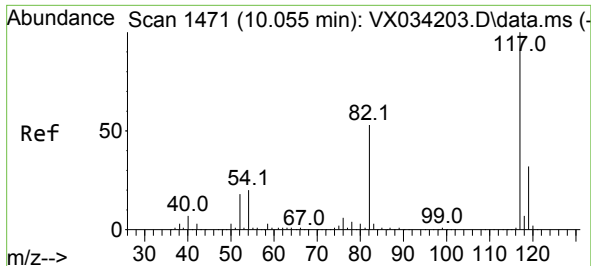
Tgt Ion: 43 Resp: 192021
Ion Ratio Lower Upper
43 100
58 19.0 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 47.899 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

Tgt Ion: 95 Resp: 192891
Ion Ratio Lower Upper
95 100
174 79.4 0.0 184.4
176 76.6 0.0 178.8

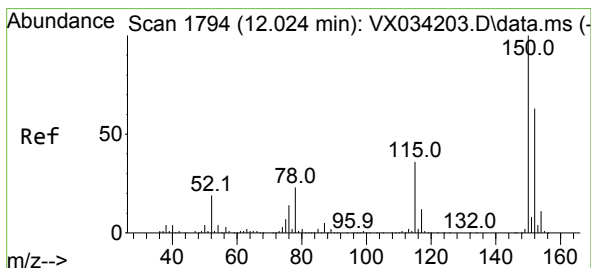
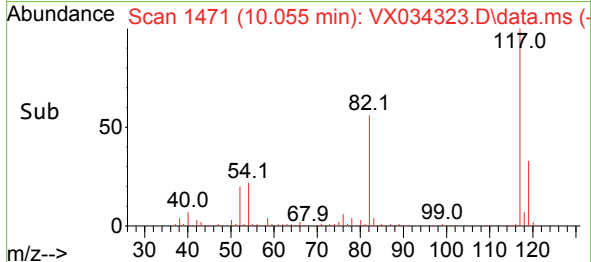
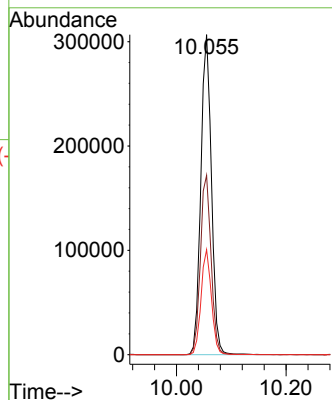
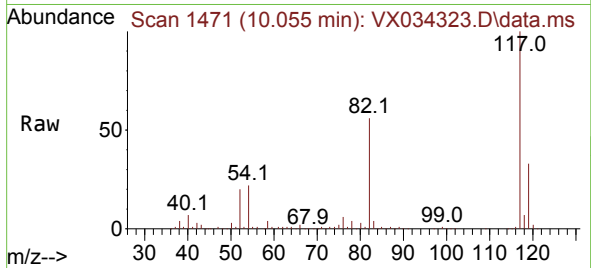




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

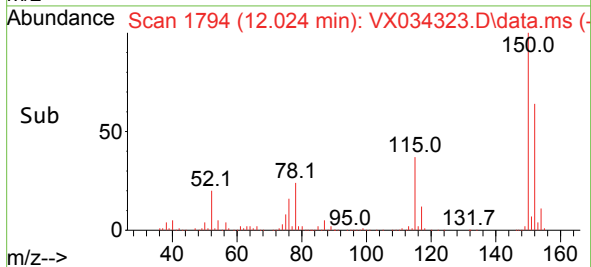
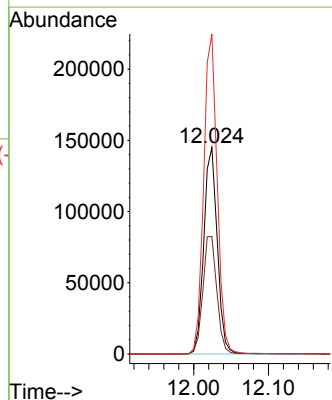
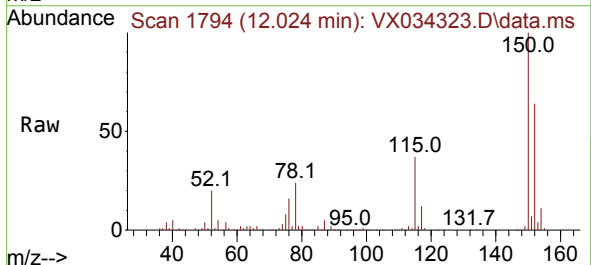
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#05

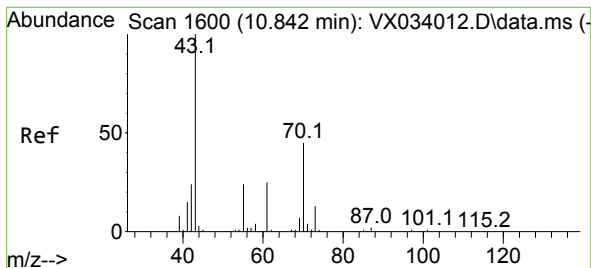
Tgt Ion:117 Resp: 413023
Ion Ratio Lower Upper
117 100
82 56.1 40.6 60.8
119 32.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034323.D
Acq: 03 Mar 2023 15:24

Tgt Ion:152 Resp: 181383
Ion Ratio Lower Upper
152 100
115 59.1 38.7 116.1
150 155.5 0.0 348.2





#74

N-amy1 acetate

Concen: 11.739 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034323.D

Acq: 03 Mar 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

PB151167ZHE#05

Tgt Ion: 43 Resp: 81523

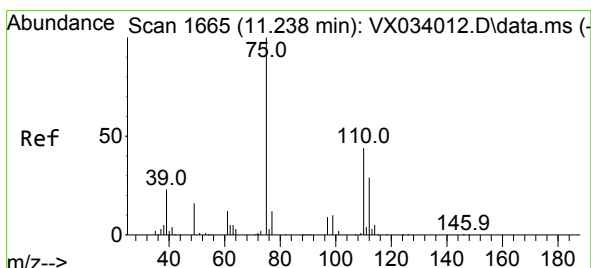
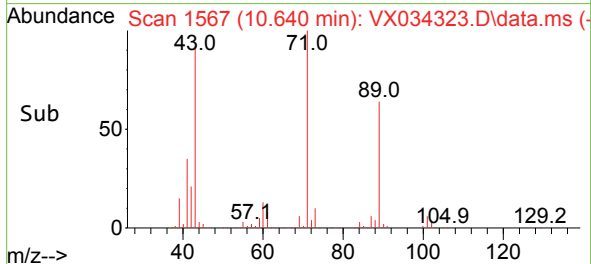
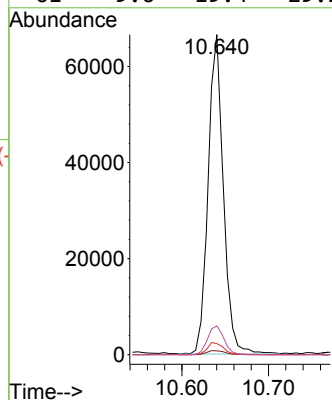
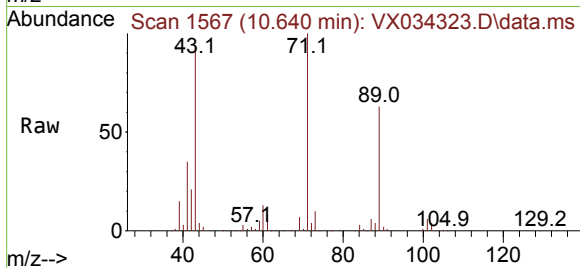
Ion Ratio Lower Upper

43 100

70 1.5 34.8 52.2#

55 4.1 19.4 29.0#

61 9.6 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 21.193 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034323.D

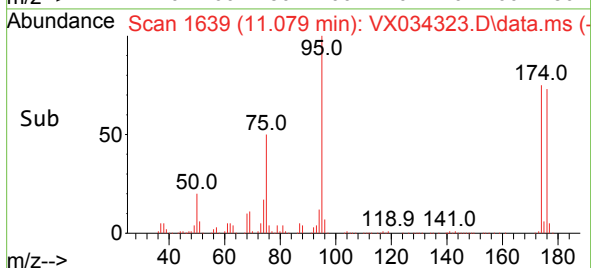
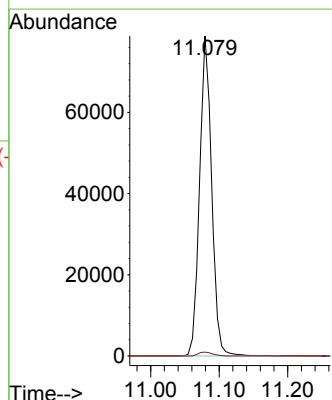
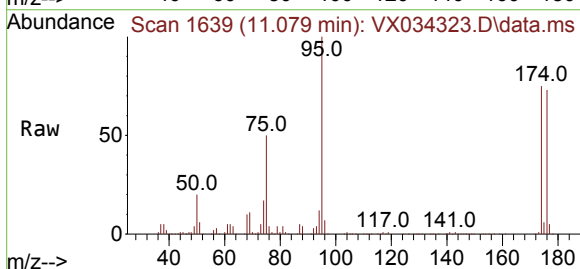
Acq: 03 Mar 2023 15:24

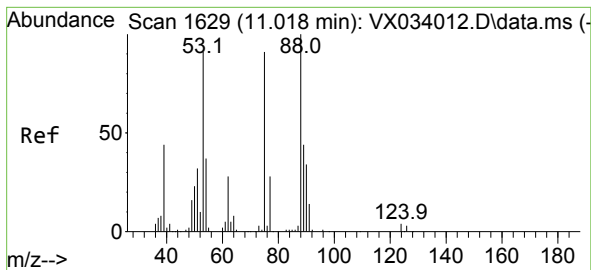
Tgt Ion: 75 Resp: 96729

Ion Ratio Lower Upper

75 100

77 1.4 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.444 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034323.D
 Acq: 03 Mar 2023 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151167ZHE#05

Tgt Ion: 75 Resp: 96729
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

