

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030323\
 Data File : VX034320.D
 Acq On : 03 Mar 2023 14:13
 Operator : JC/MD
 Sample : PB151167ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151167ZHE#01

Quant Time: Mar 03 22:12:17 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)

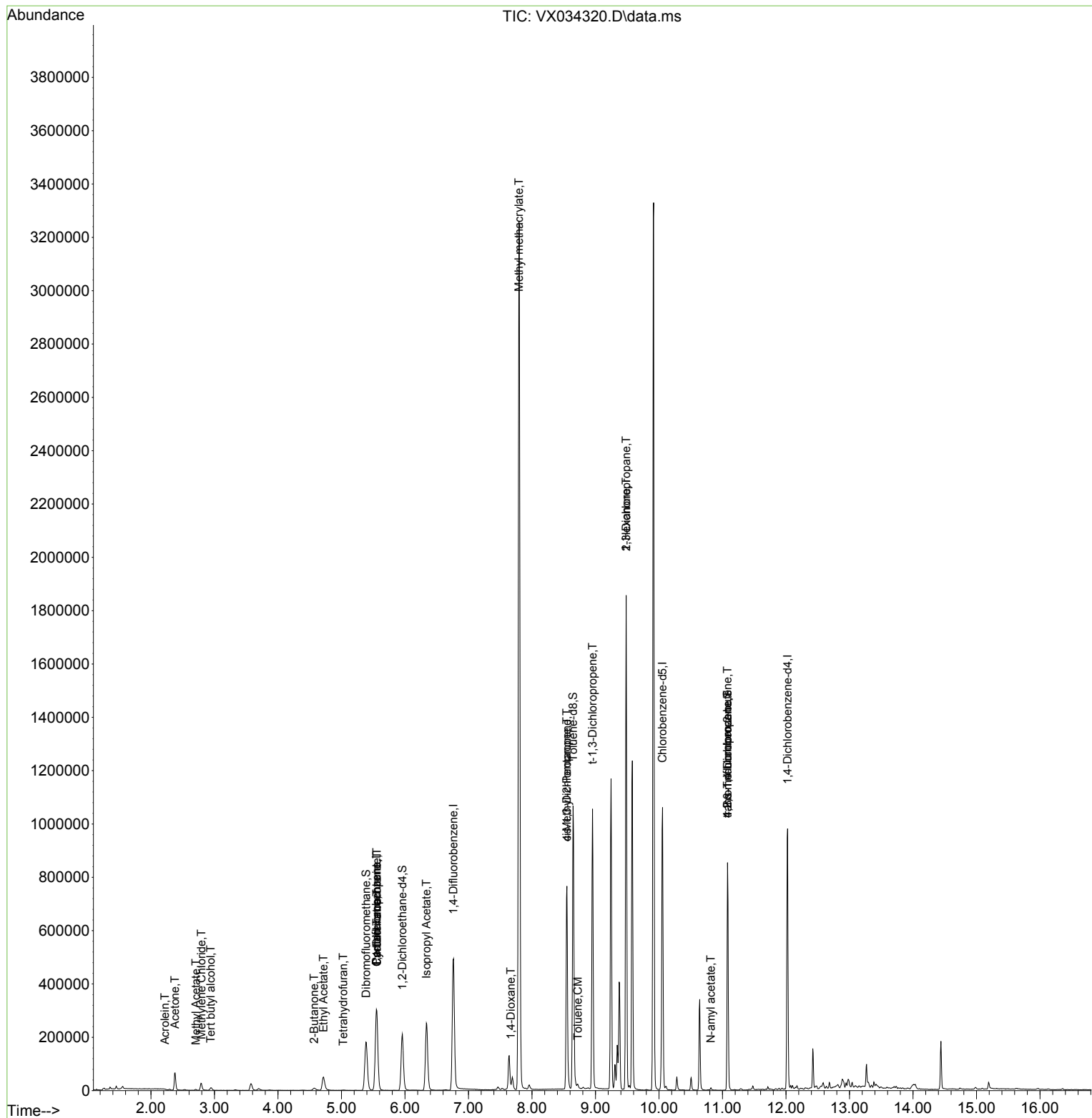
Internal Standards						
1) Pentafluorobenzene	5.550	168	296840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	503772	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	459938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	205948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	190495	47.651	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.300%		
35) Dibromofluoromethane	5.385	113	161920	49.365	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.740%		
50) Toluene-d8	8.647	98	613935	52.132	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.260%		
62) 4-Bromofluorobenzene	11.079	95	222984	49.502	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.000%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	28	Below Cal	#	3
11) Tert butyl alcohol	2.941	59	6653	7.441	ug/l #	96
13) Acrolein	2.221	56	327	0.801	ug/l #	50
16) Acetone	2.380	43	69983	33.936	ug/l	96
18) Methyl Acetate	2.709	43	3963	0.621	ug/l	95
20) Methylene Chloride	2.794	84	13098	3.525	ug/l	97
25) 2-Butanone	4.568	43	8773	2.940	ug/l	92
29) Tetrahydrofuran	5.026	42	1633	0.897	ug/l #	79
31) Cyclohexane	5.556	56	6587	1.104	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23391	4.822	ug/l #	47
37) Ethyl Acetate	4.715	43	90036	16.608	ug/l	99
38) Carbon Tetrachloride	5.556	117	29988	6.008	ug/l #	15
43) Isopropyl Acetate	6.336	43	360424	37.675	ug/l	99
48) Methyl methacrylate	7.793	41	277858	61.192	ug/l #	46
49) 1,4-Dioxane	7.665	88	49	0.541	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	269144	51.135	ug/l #	50
52) Toluene	8.720	92	5010	0.575	ug/l	95
53) t-1,3-Dichloropropene	8.952	75	2485	0.418	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	121757	19.117	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	15210	2.486	ug/l #	43
59) 2-Hexanone	9.482	43	216696	54.021	ug/l #	50
74) N-amyl acetate	10.817	43	2835	0.360	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	113082	21.821	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	113082	56.057	ug/l #	8

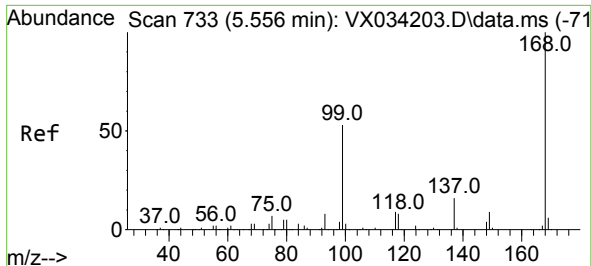
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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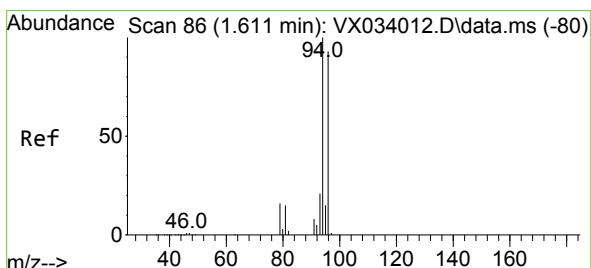
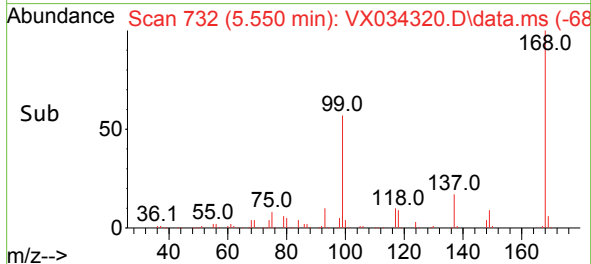
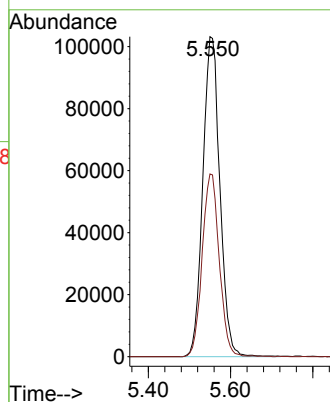
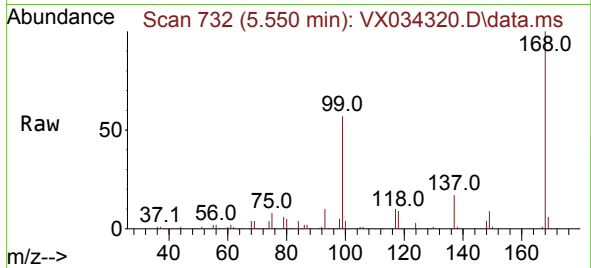




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

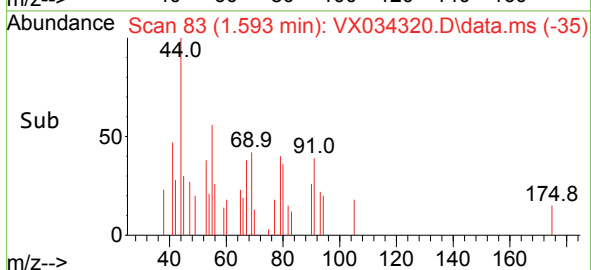
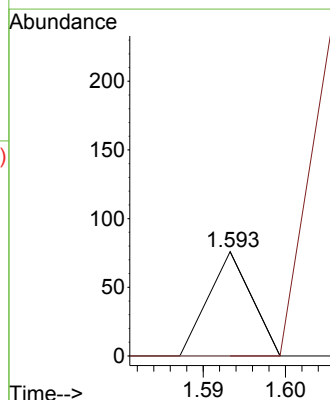
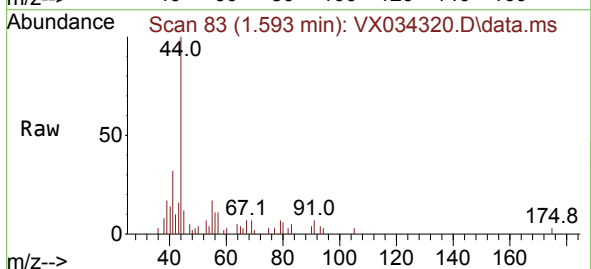
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#01

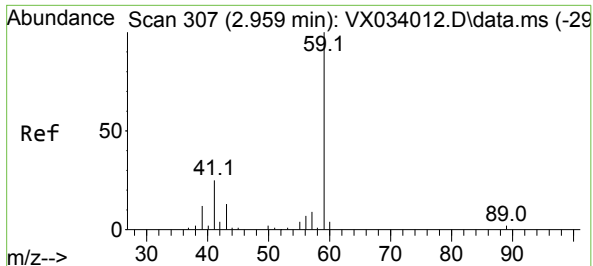
Tgt Ion:168 Resp: 296840
Ion Ratio Lower Upper
168 100
99 57.1 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

Tgt Ion: 94 Resp: 28
Ion Ratio Lower Upper
94 100
96 0.0 74.3 111.5#





#11

Tert butyl alcohol

Concen: 7.441 ug/l

RT: 2.941 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX034320.D

Acq: 03 Mar 2023 14:13

Instrument :

MSVOA_X

ClientSampleId :

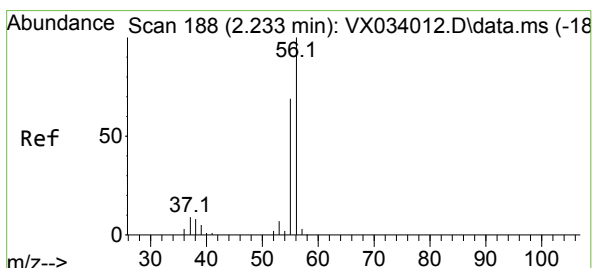
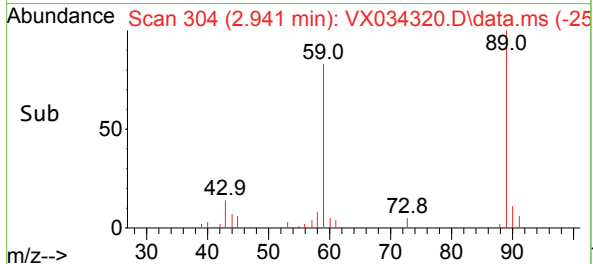
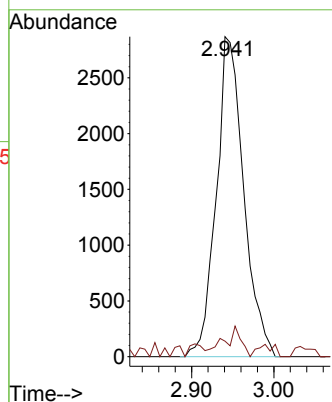
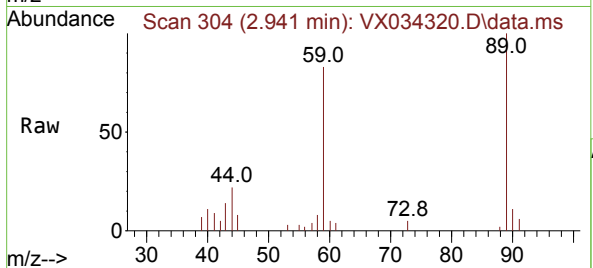
PB151167ZHE#01

Tgt Ion: 59 Resp: 6653

Ion Ratio Lower Upper

59 100

57 5.9 3.7 5.5#



#13

Acrolein

Concen: 0.801 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.012 min

Lab File: VX034320.D

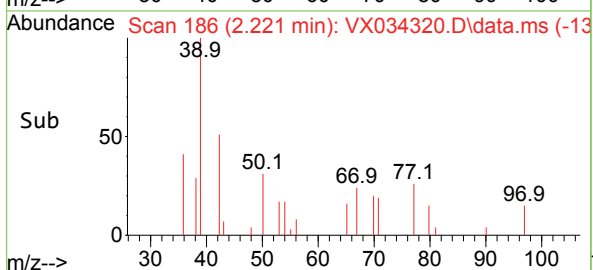
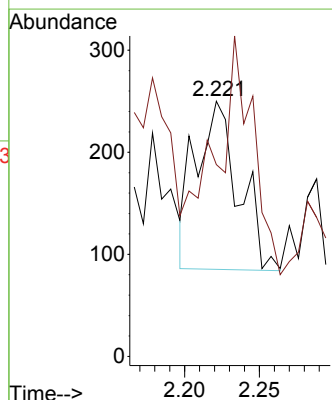
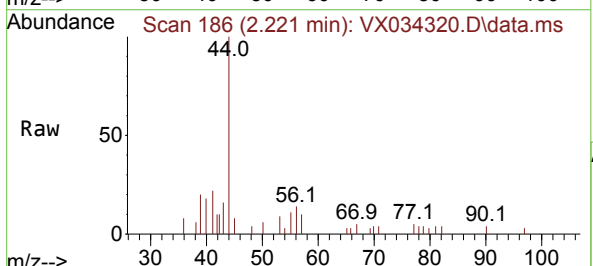
Acq: 03 Mar 2023 14:13

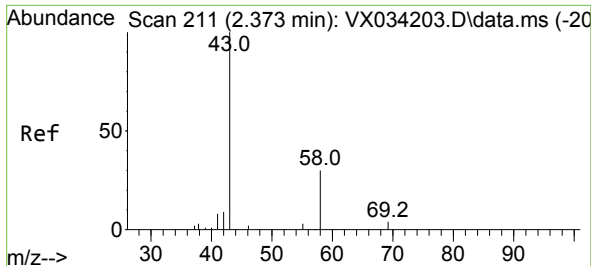
Tgt Ion: 56 Resp: 327

Ion Ratio Lower Upper

56 100

55 111.6 56.3 84.5#

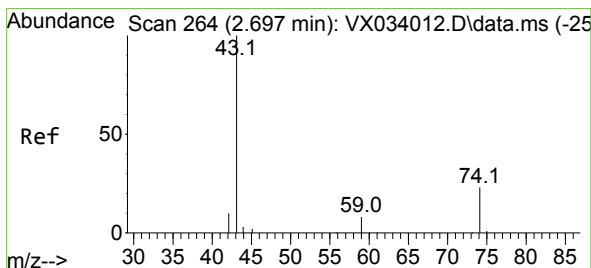
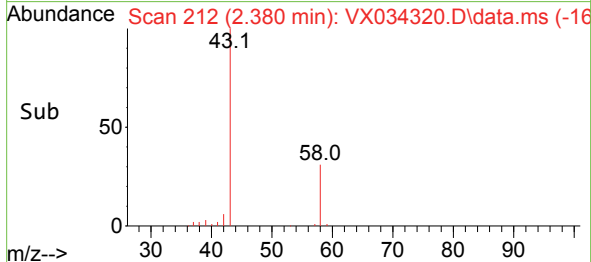
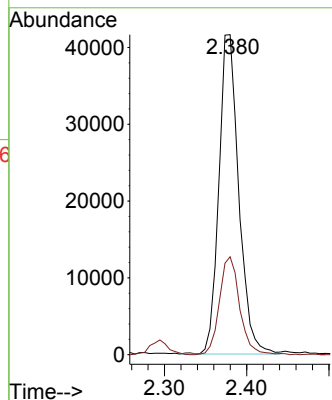
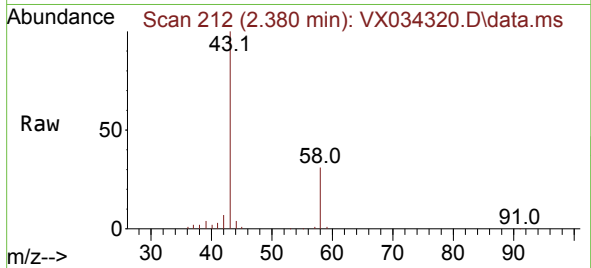




#16
Acetone
Concen: 33.936 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

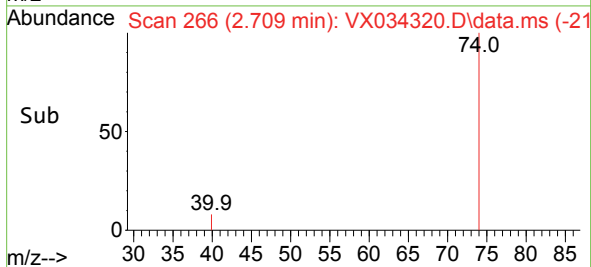
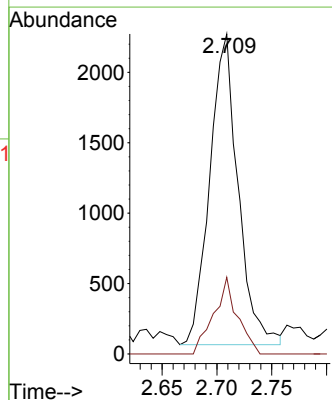
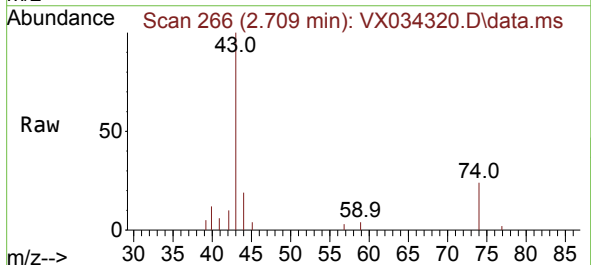
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#01

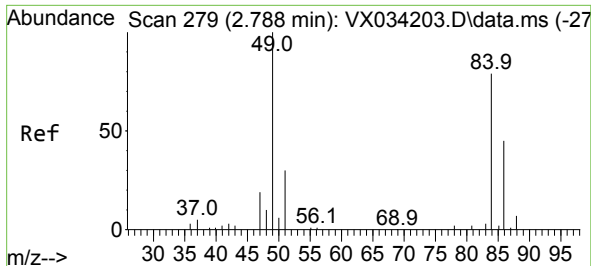
Tgt Ion: 43 Resp: 69983
Ion Ratio Lower Upper
43 100
58 30.3 22.6 33.8



#18
Methyl Acetate
Concen: 0.621 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

Tgt Ion: 43 Resp: 3963
Ion Ratio Lower Upper
43 100
74 20.6 18.2 27.4

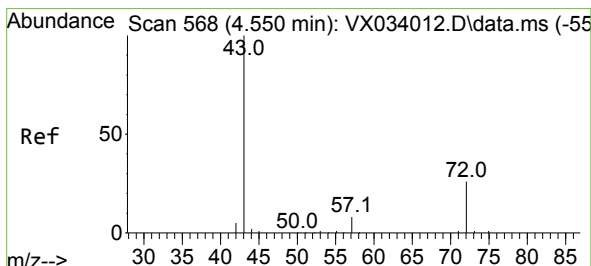
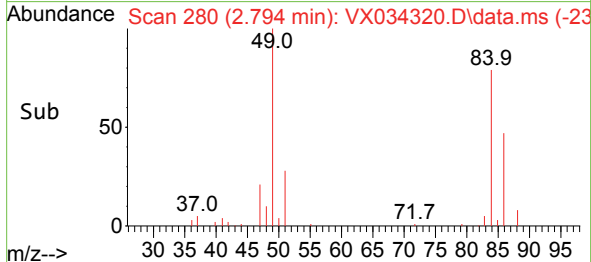
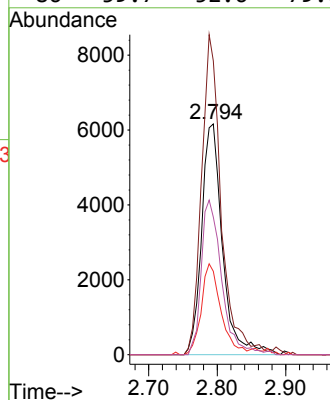
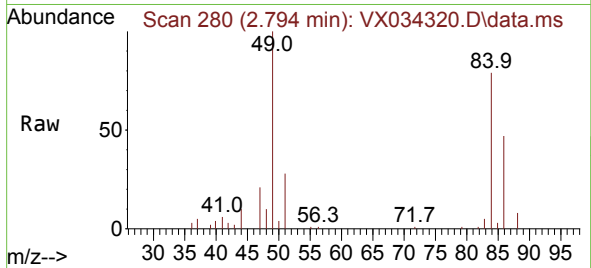




#20
Methylene Chloride
Concen: 3.525 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

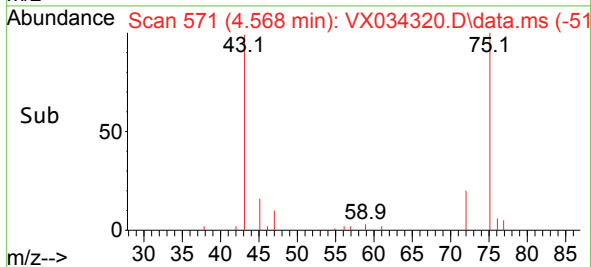
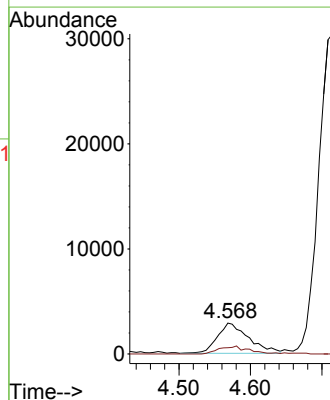
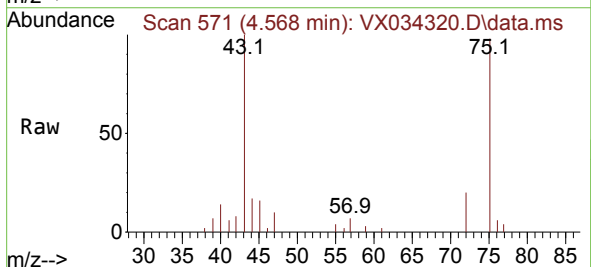
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#01

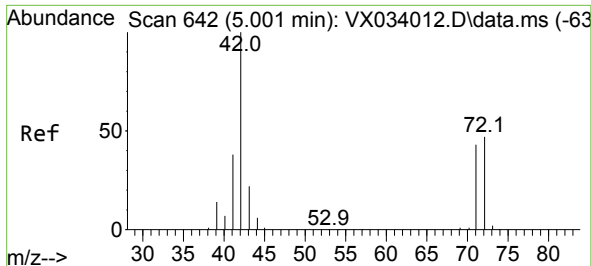
Tgt Ion: 84 Resp: 13098
Ion Ratio Lower Upper
84 100
49 127.3 101.1 151.7
51 36.1 31.0 46.6
86 59.7 52.6 79.0



#25
2-Butanone
Concen: 2.940 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.025 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

Tgt Ion: 43 Resp: 8773
Ion Ratio Lower Upper
43 100
72 20.4 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.897 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX034320.D

Acq: 03 Mar 2023 14:13

Instrument :

MSVOA_X

ClientSampleId :

PB151167ZHE#01

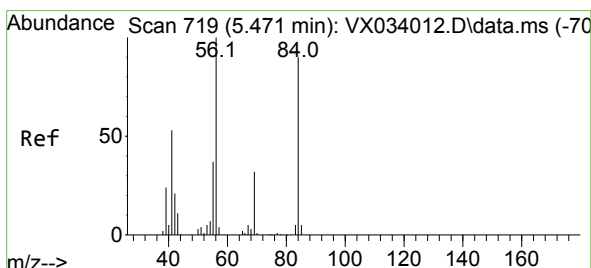
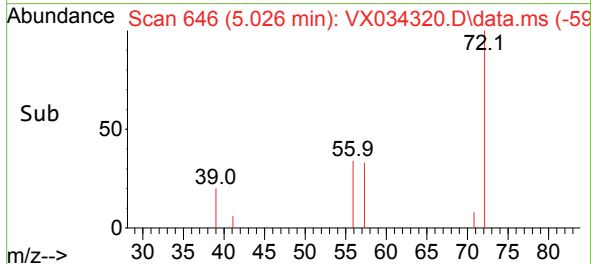
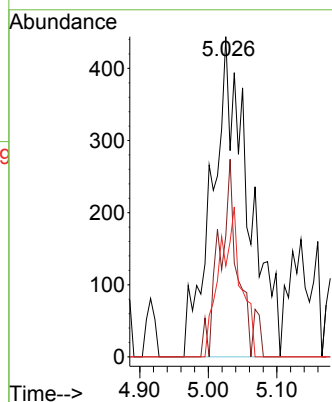
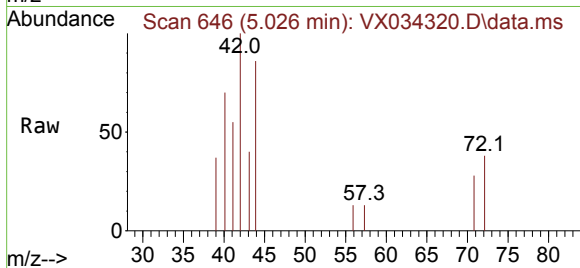
Tgt Ion: 42 Resp: 1633

Ion Ratio Lower Upper

42 100

72 29.6 34.8 52.2#

71 27.9 32.2 48.2#



#31

Cyclohexane

Concen: 1.104 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX034320.D

Acq: 03 Mar 2023 14:13

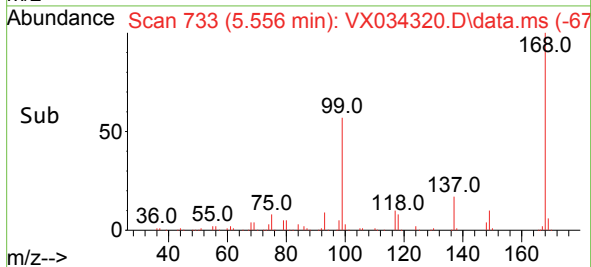
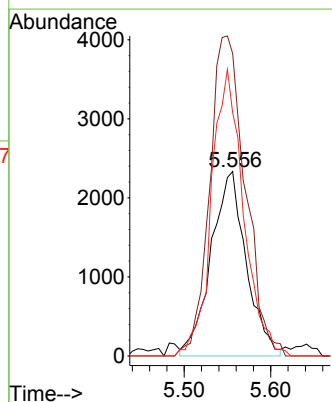
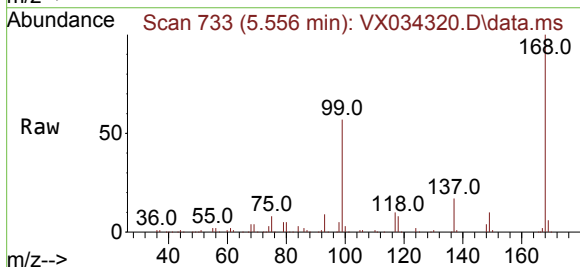
Tgt Ion: 56 Resp: 6587

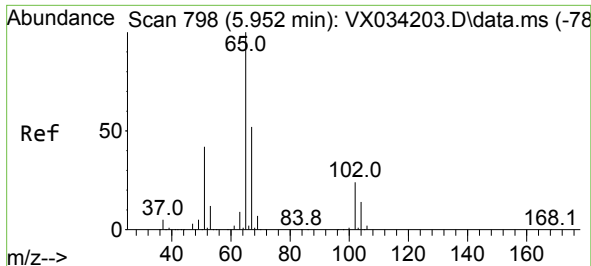
Ion Ratio Lower Upper

56 100

69 166.2 24.6 37.0#

84 132.9 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 47.651 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034320.D

Acq: 03 Mar 2023 14:13

Instrument :

MSVOA_X

ClientSampleId :

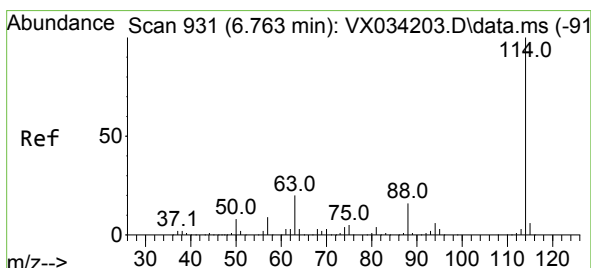
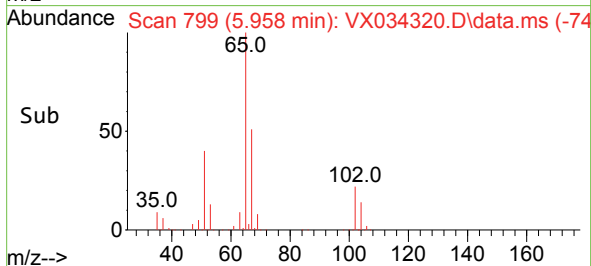
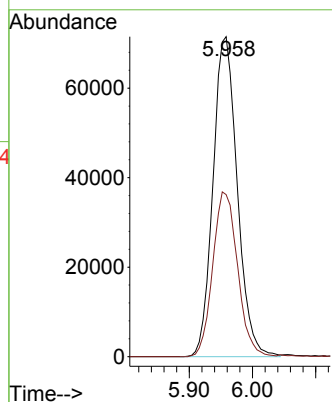
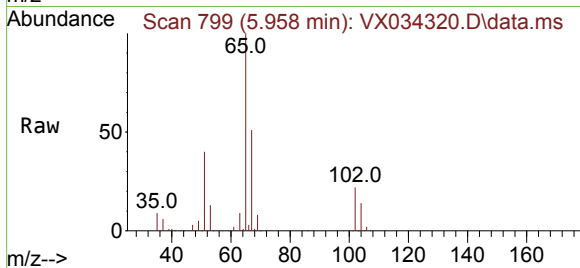
PB151167ZHE#01

Tgt Ion: 65 Resp: 190495

Ion Ratio Lower Upper

65 100

67 52.6 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: VX034320.D

Acq: 03 Mar 2023 14:13

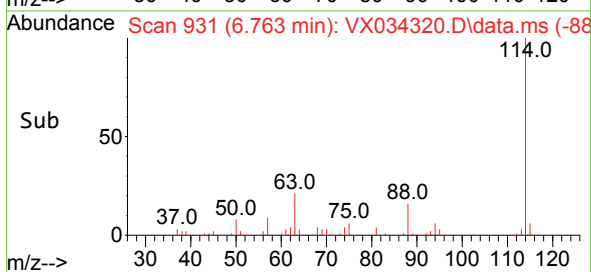
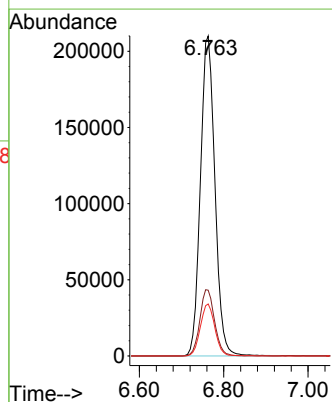
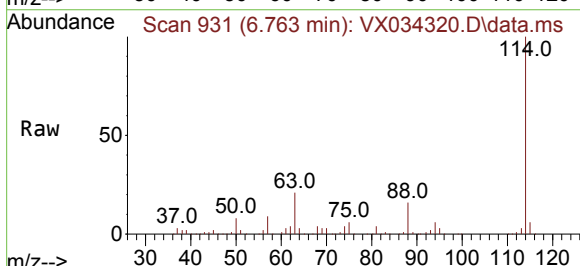
Tgt Ion: 114 Resp: 503772

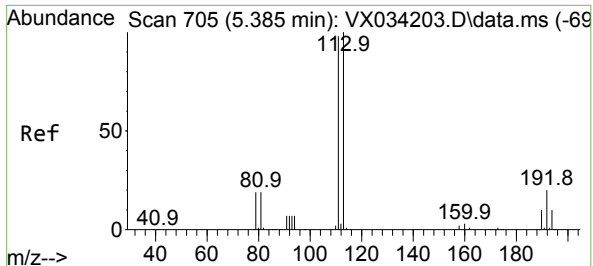
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 16.2 0.0 30.6

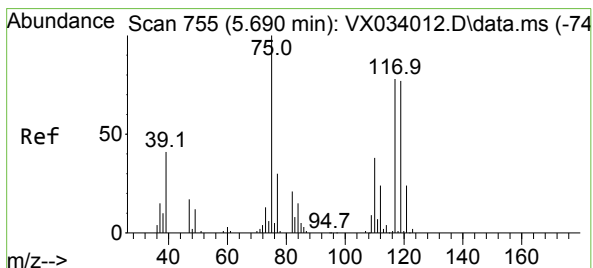
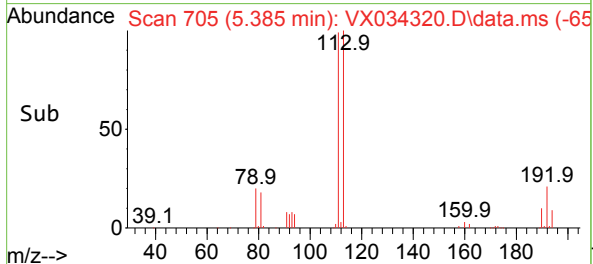
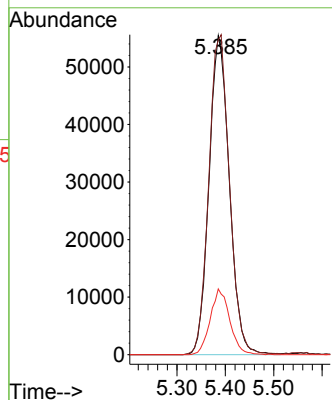
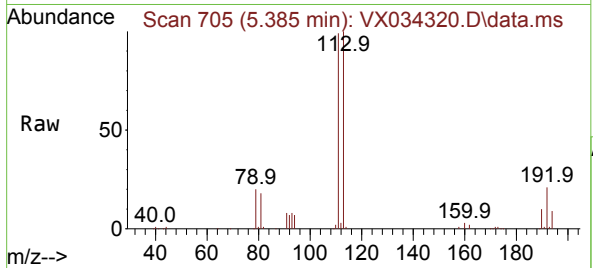




#35
Dibromofluoromethane
Concen: 49.365 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

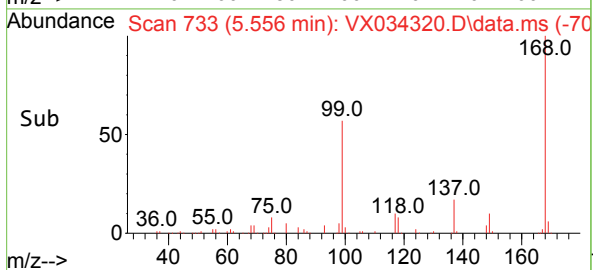
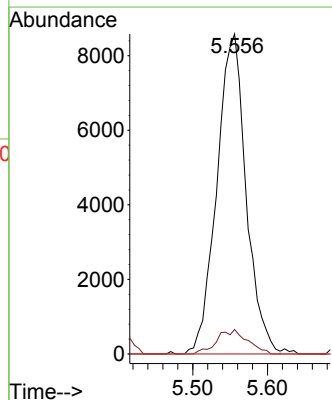
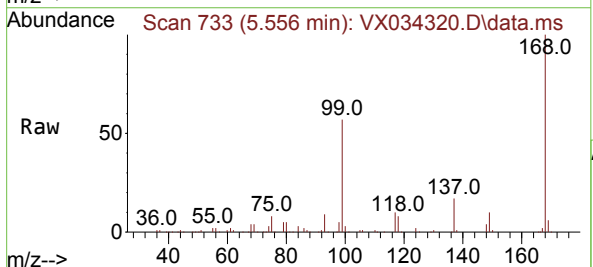
Instrument :
MSVOA_X
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PB151167ZHE#01

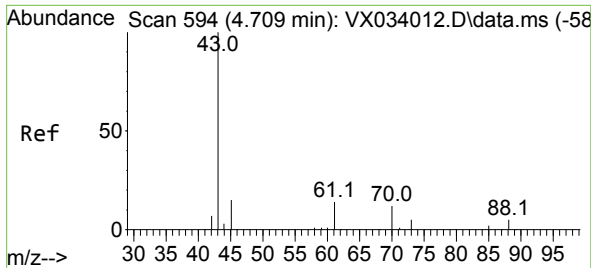
Tgt Ion:113 Resp: 161920
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.6
192 19.7 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.822 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

Tgt Ion: 75 Resp: 23391
Ion Ratio Lower Upper
75 100
110 8.0 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 16.608 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX034320.D

Acq: 03 Mar 2023 14:13

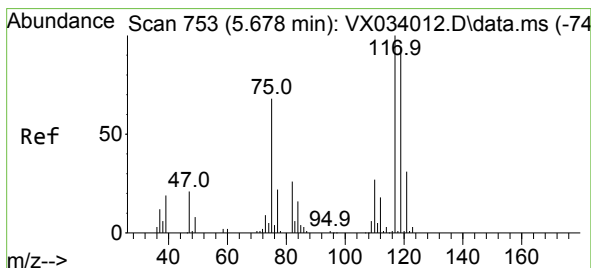
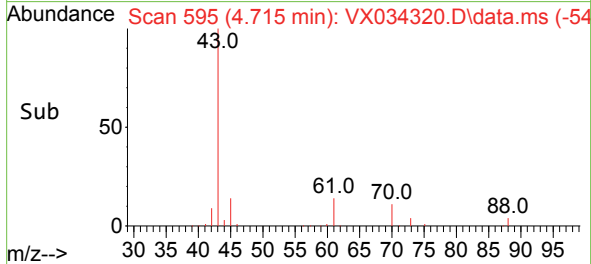
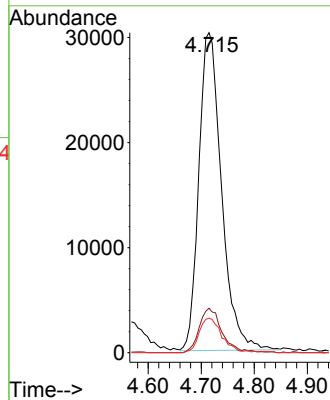
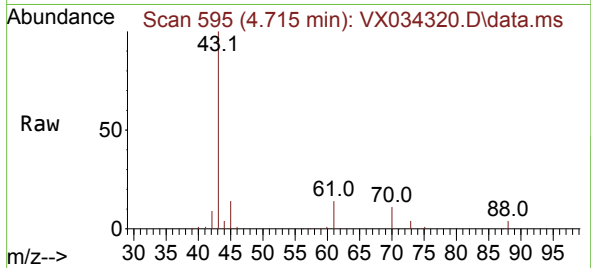
Instrument :

MSVOA_X

ClientSampleId :

PB151167ZHE#01

Tgt Ion:	43	Resp:	90036
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	10.9	8.5	12.7



#38

Carbon Tetrachloride

Concen: 6.008 ug/l

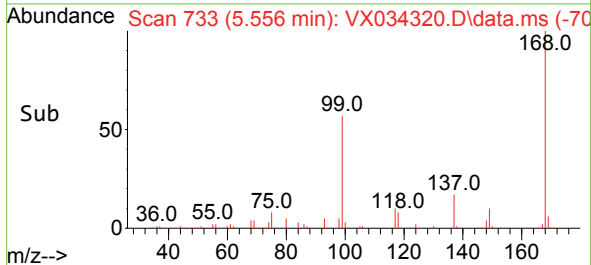
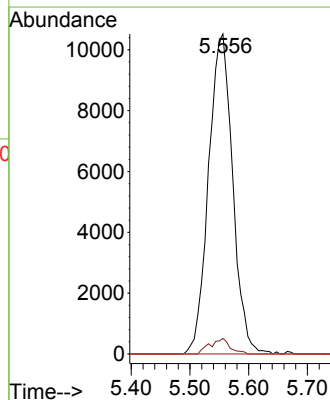
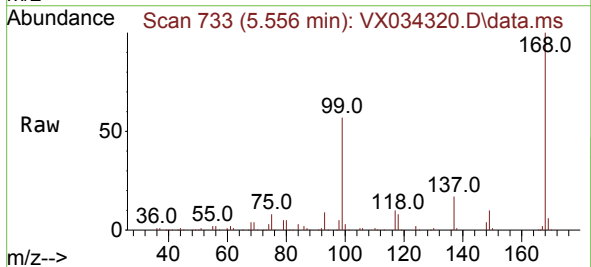
RT: 5.556 min Scan# 733

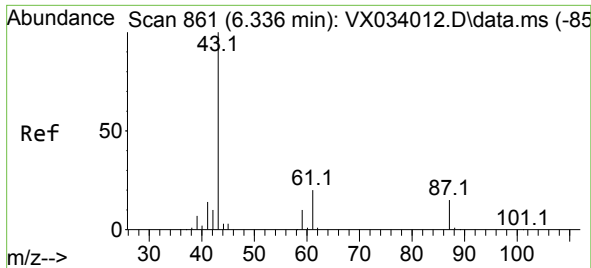
Delta R.T. -0.116 min

Lab File: VX034320.D

Acq: 03 Mar 2023 14:13

Tgt Ion:	117	Resp:	29988
Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.0	117.0#
121	0.0	24.4	36.6#

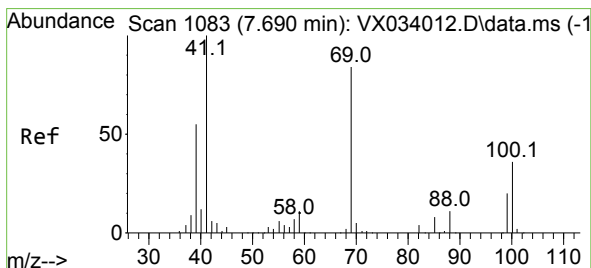
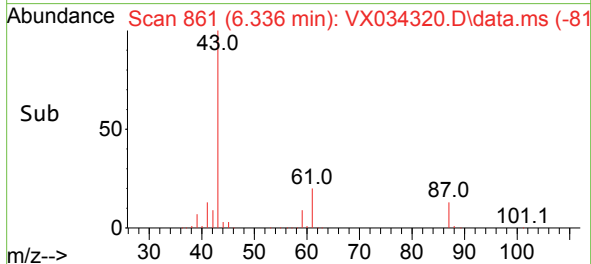
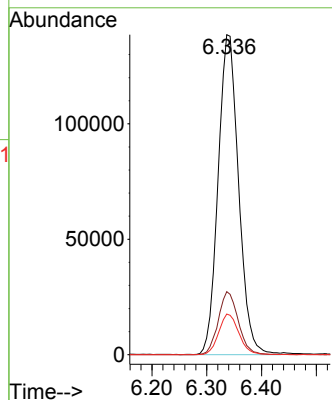
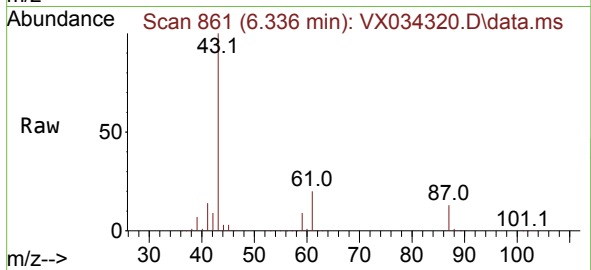




#43
Isopropyl Acetate
Concen: 37.675 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

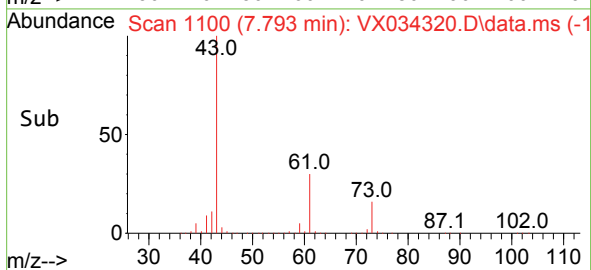
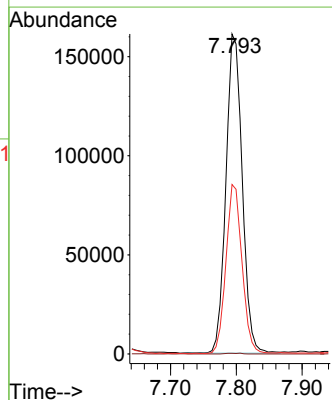
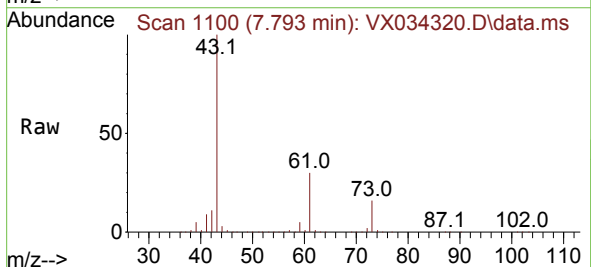
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#01

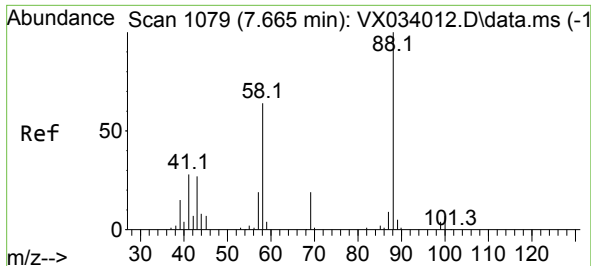
Tgt Ion: 43 Resp: 360424
Ion Ratio Lower Upper
43 100
61 19.3 15.7 23.5
87 12.5 10.6 15.8



#48
Methyl methacrylate
Concen: 61.192 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

Tgt Ion: 41 Resp: 277858
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 52.2 43.2 64.8

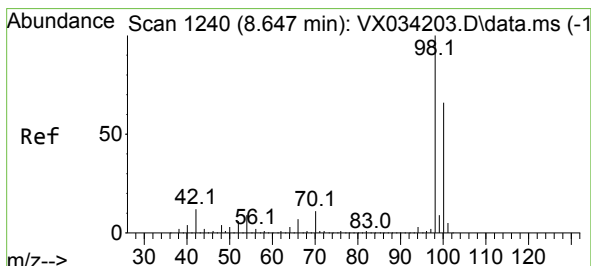
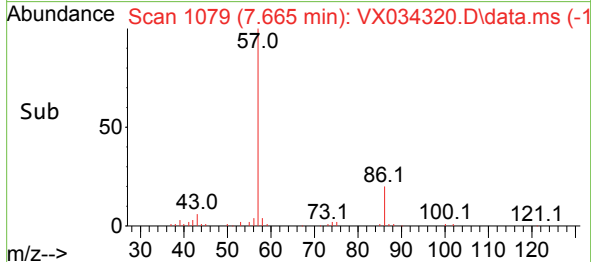
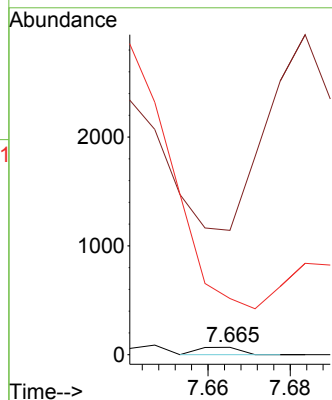
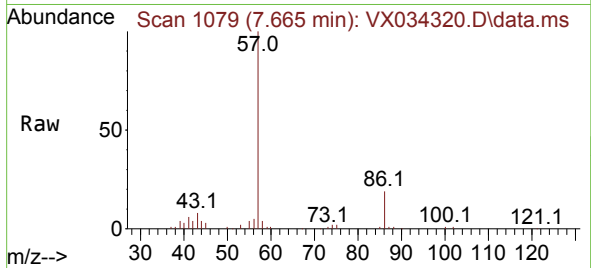




#49
1,4-Dioxane
Concen: 0.541 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.012 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

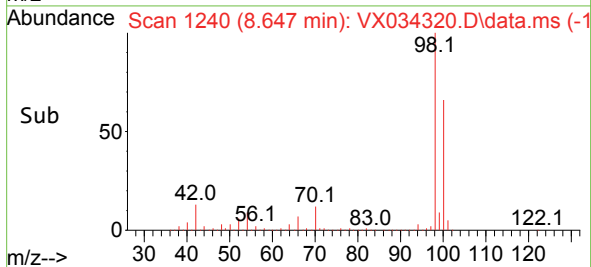
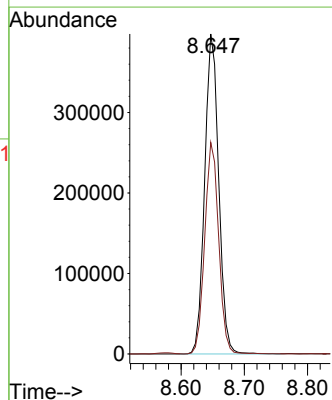
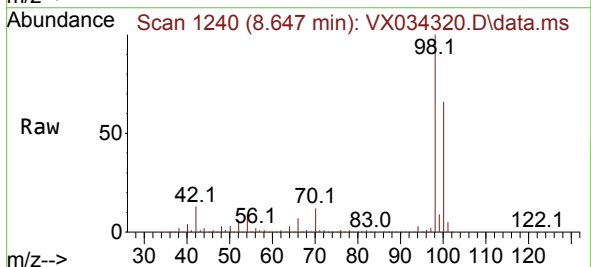
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#01

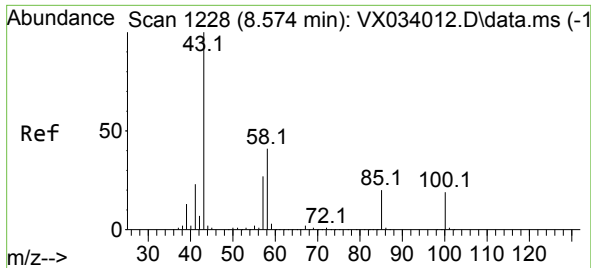
Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 3016.3 56.5 84.7#



#50
Toluene-d8
Concen: 52.132 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

Tgt Ion: 98 Resp: 613935
Ion Ratio Lower Upper
98 100
100 65.9 53.6 80.4

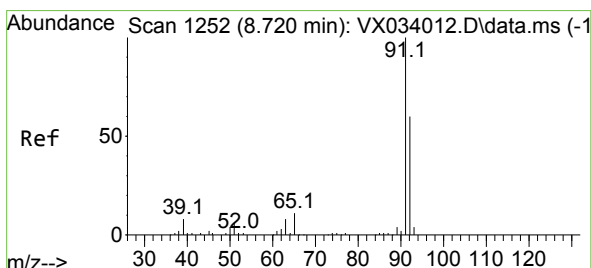
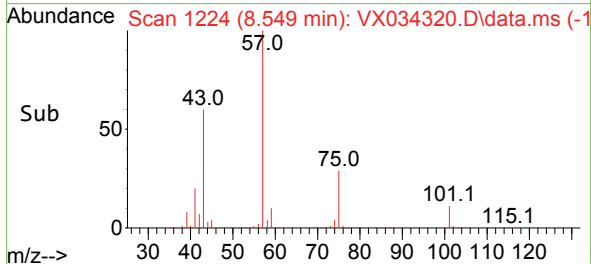
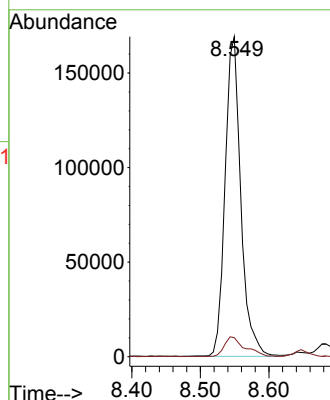
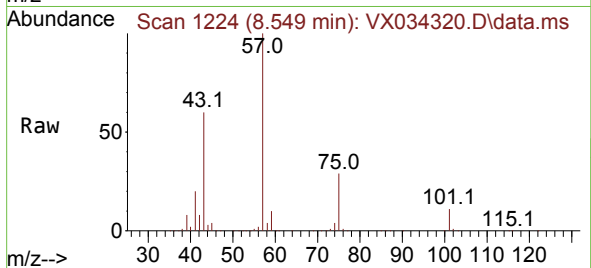




#51
4-Methyl-2-Pentanone
Concen: 51.135 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

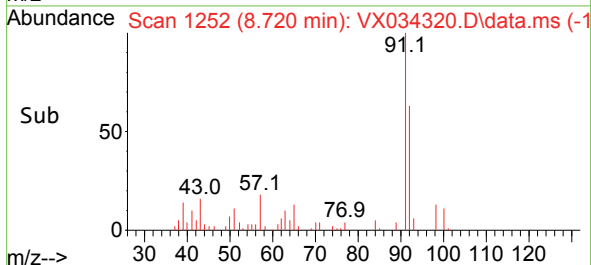
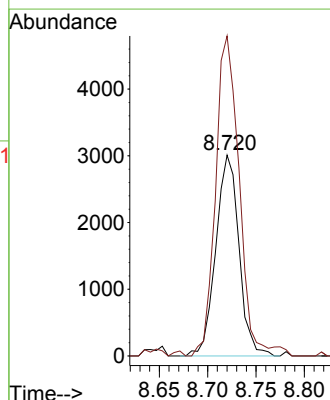
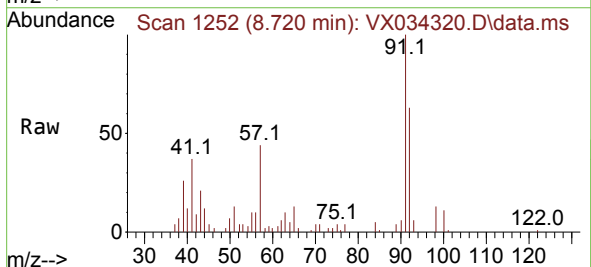
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#01

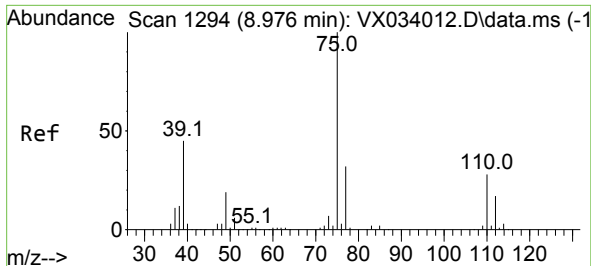
Tgt Ion: 43 Resp: 269144
Ion Ratio Lower Upper
43 100
58 8.2 31.2 46.8#



#52
Toluene
Concen: 0.575 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

Tgt Ion: 92 Resp: 5010
Ion Ratio Lower Upper
92 100
91 162.7 135.5 203.3

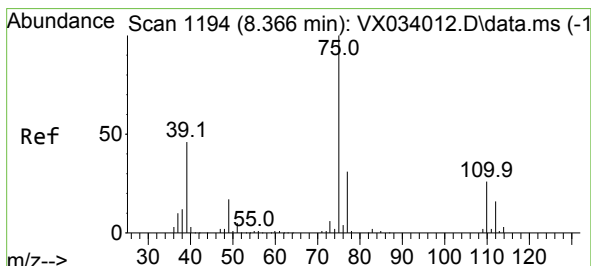
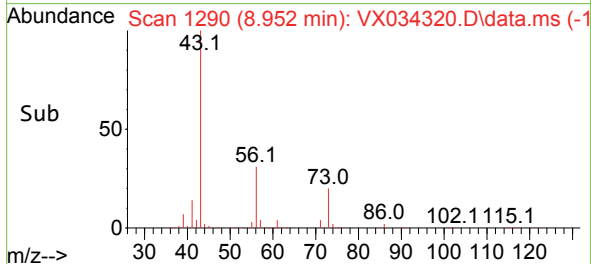
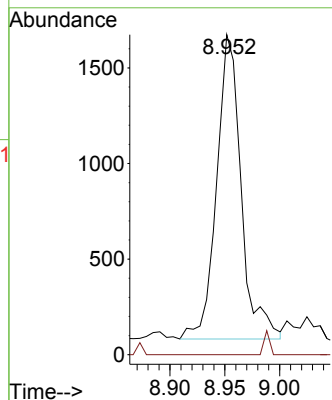
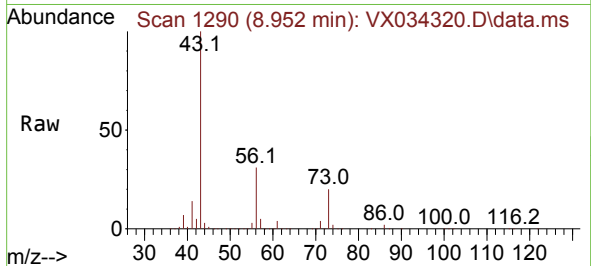




#53
 t-1,3-Dichloropropene
 Concen: 0.418 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX034320.D
 Acq: 03 Mar 2023 14:13

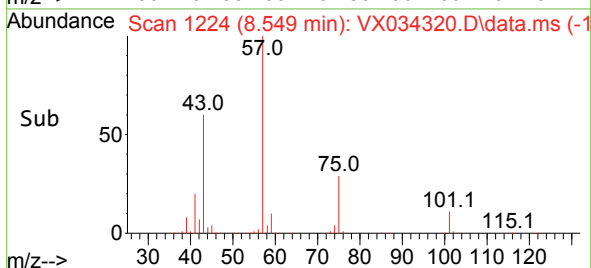
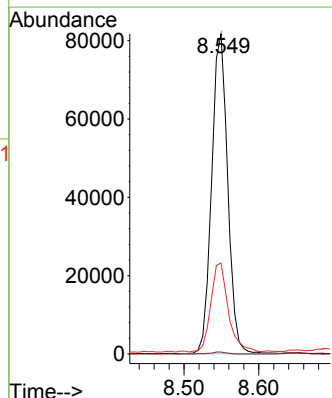
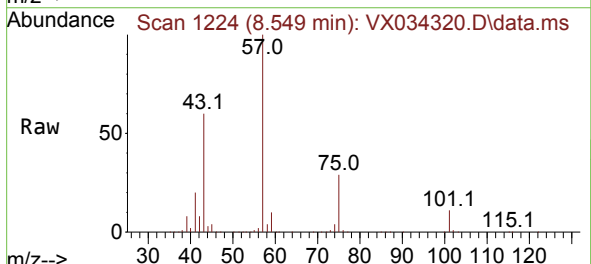
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151167ZHE#01

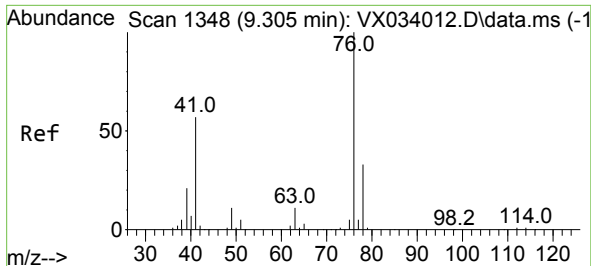
Tgt Ion: 75 Resp: 2485
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 19.117 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX034320.D
 Acq: 03 Mar 2023 14:13

Tgt Ion: 75 Resp: 121757
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 27.7 38.6 58.0#





#57

1,3-Dichloropropane

Concen: 2.486 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034320.D

Acq: 03 Mar 2023 14:13

Instrument :

MSVOA_X

ClientSampleId :

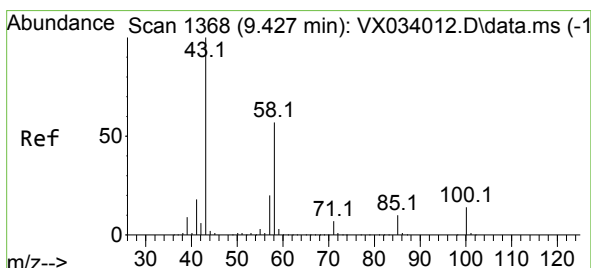
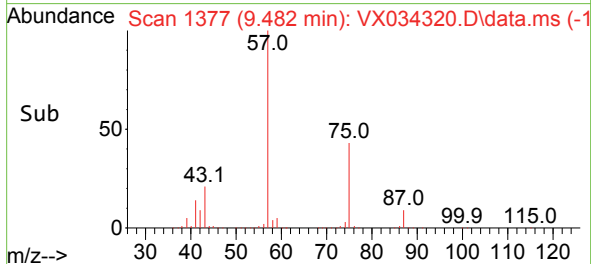
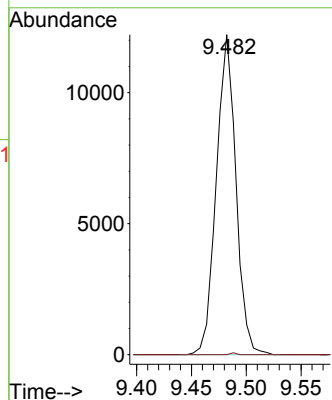
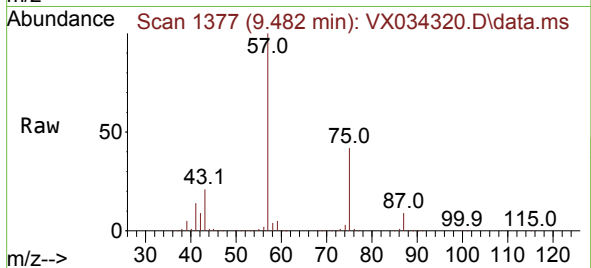
PB151167ZHE#01

Tgt Ion: 76 Resp: 15210

Ion Ratio Lower Upper

76 100

78 0.2 25.6 38.4#



#59

2-Hexanone

Concen: 54.021 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034320.D

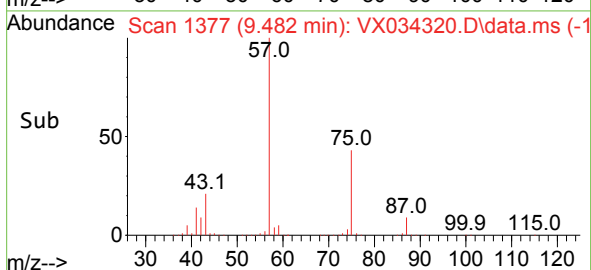
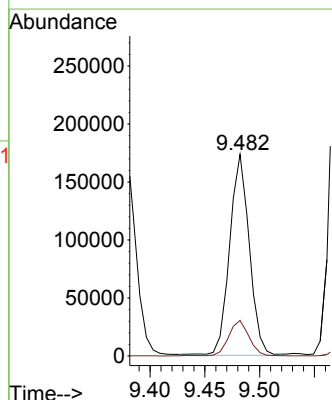
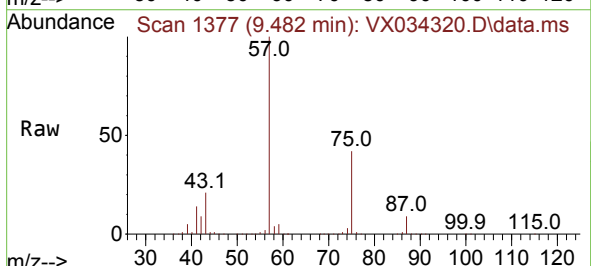
Acq: 03 Mar 2023 14:13

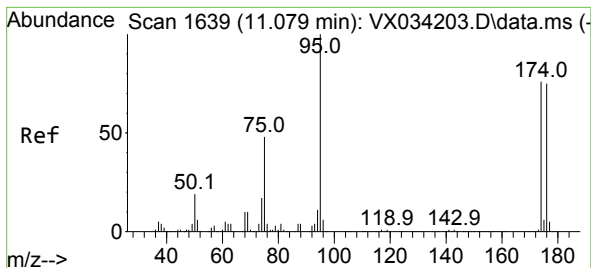
Tgt Ion: 43 Resp: 216696

Ion Ratio Lower Upper

43 100

58 18.6 27.4 82.0#

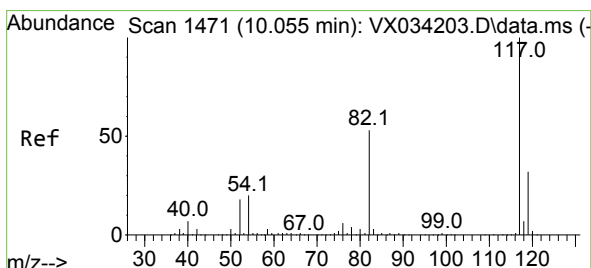
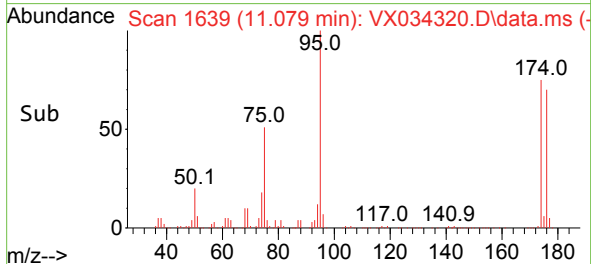
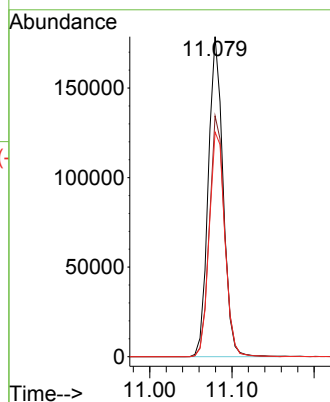
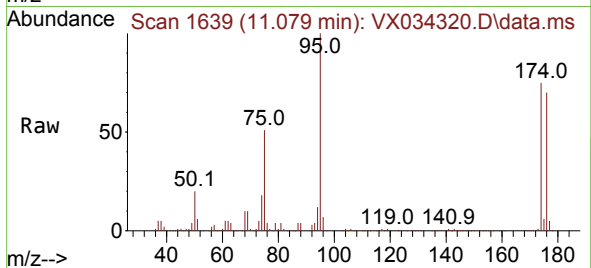




#62
4-Bromofluorobenzene
Concen: 49.502 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

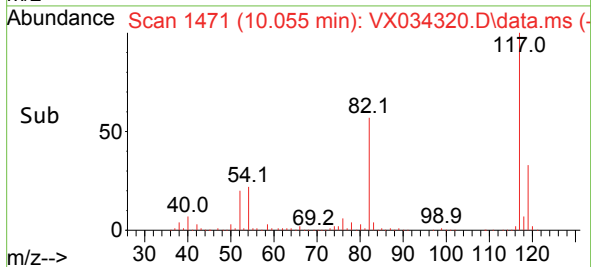
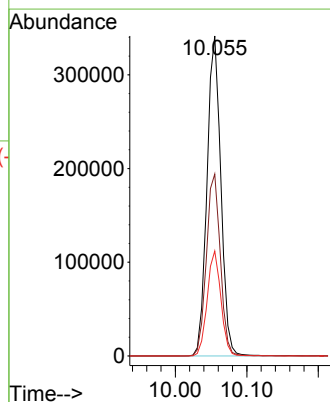
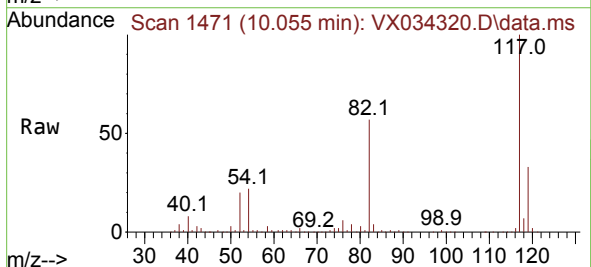
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#01

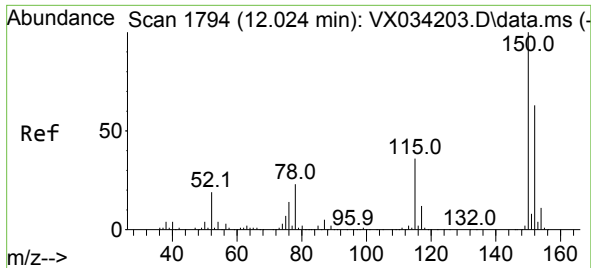
Tgt Ion: 95 Resp: 222984
Ion Ratio Lower Upper
95 100
174 77.2 0.0 184.4
176 74.3 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

Tgt Ion: 117 Resp: 459938
Ion Ratio Lower Upper
117 100
82 56.9 40.6 60.8
119 32.8 25.6 38.4

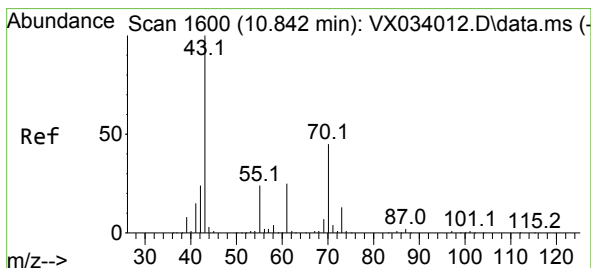
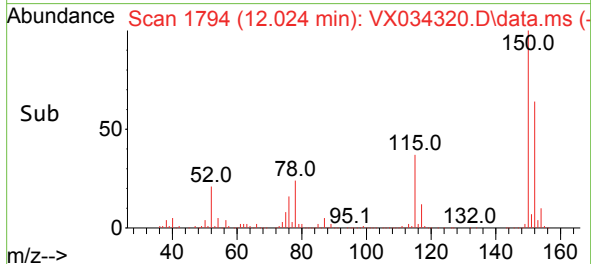
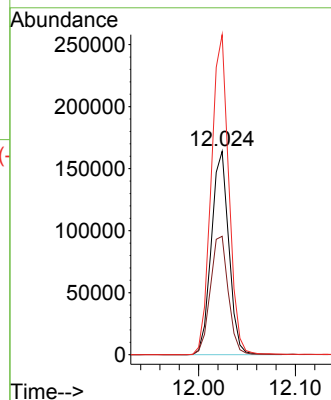
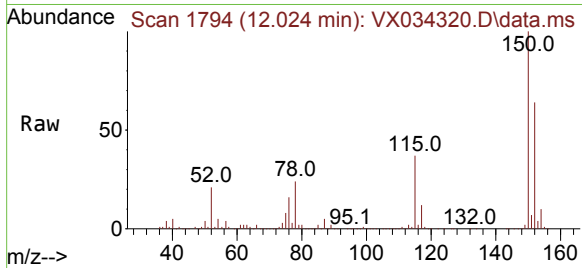




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034320.D
 Acq: 03 Mar 2023 14:13

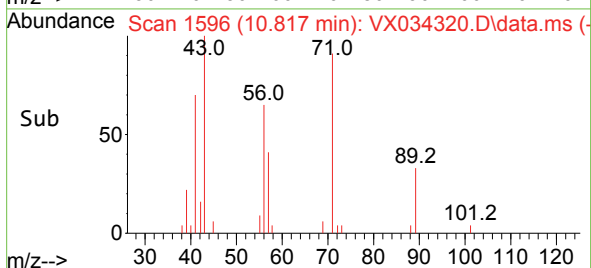
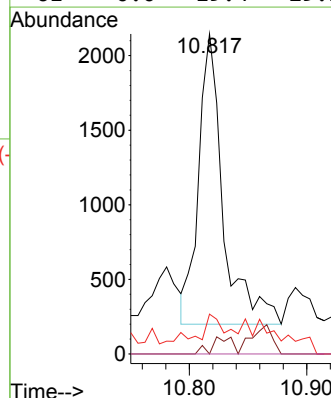
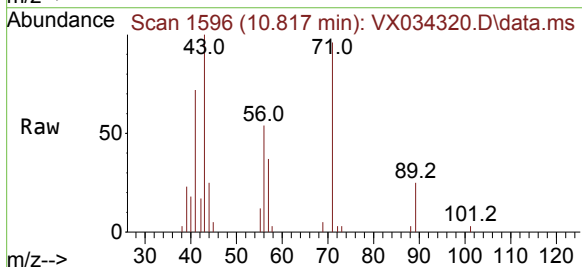
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151167ZHE#01

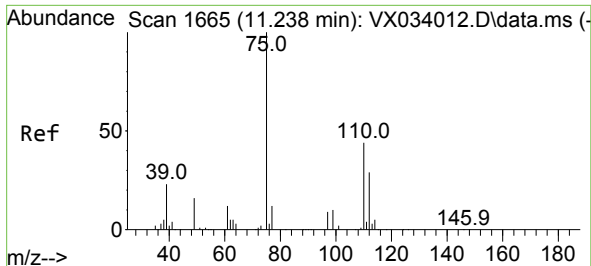
Tgt Ion:152 Resp: 205948
 Ion Ratio Lower Upper
 152 100
 115 60.1 38.7 116.1
 150 158.5 0.0 348.2



#74
 N-ethyl acetate
 Concen: 0.360 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX034320.D
 Acq: 03 Mar 2023 14:13

Tgt Ion: 43 Resp: 2835
 Ion Ratio Lower Upper
 43 100
 70 4.8 34.8 52.2#
 55 5.8 19.4 29.0#
 61 0.0 19.4 29.2#

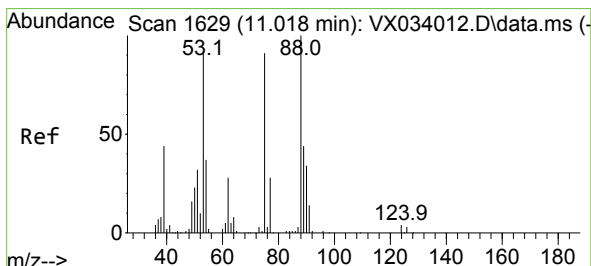
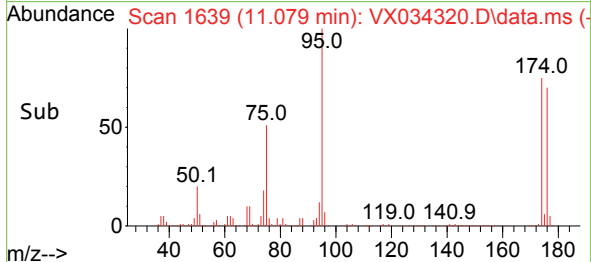
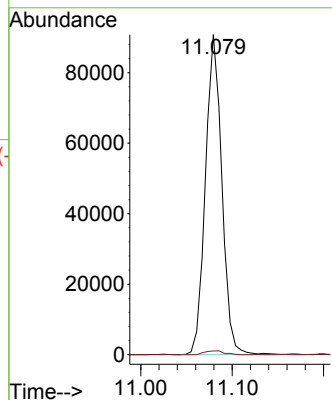
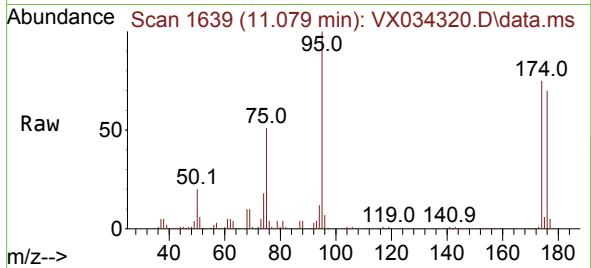




#76
1,2,3-Trichloropropane
Concen: 21.821 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#01

Tgt Ion: 75 Resp: 113082
Ion Ratio Lower Upper
75 100
77 1.4 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.057 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034320.D
Acq: 03 Mar 2023 14:13

Tgt Ion: 75 Resp: 113082
Ion Ratio Lower Upper
75 100
53 0.1 83.0 124.6#
89 0.0 37.7 56.5#

