

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030323\
 Data File : VX034321.D
 Acq On : 03 Mar 2023 14:37
 Operator : JC/MD
 Sample : PB151167ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151167ZHE#03

Quant Time: Mar 03 22:12:44 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

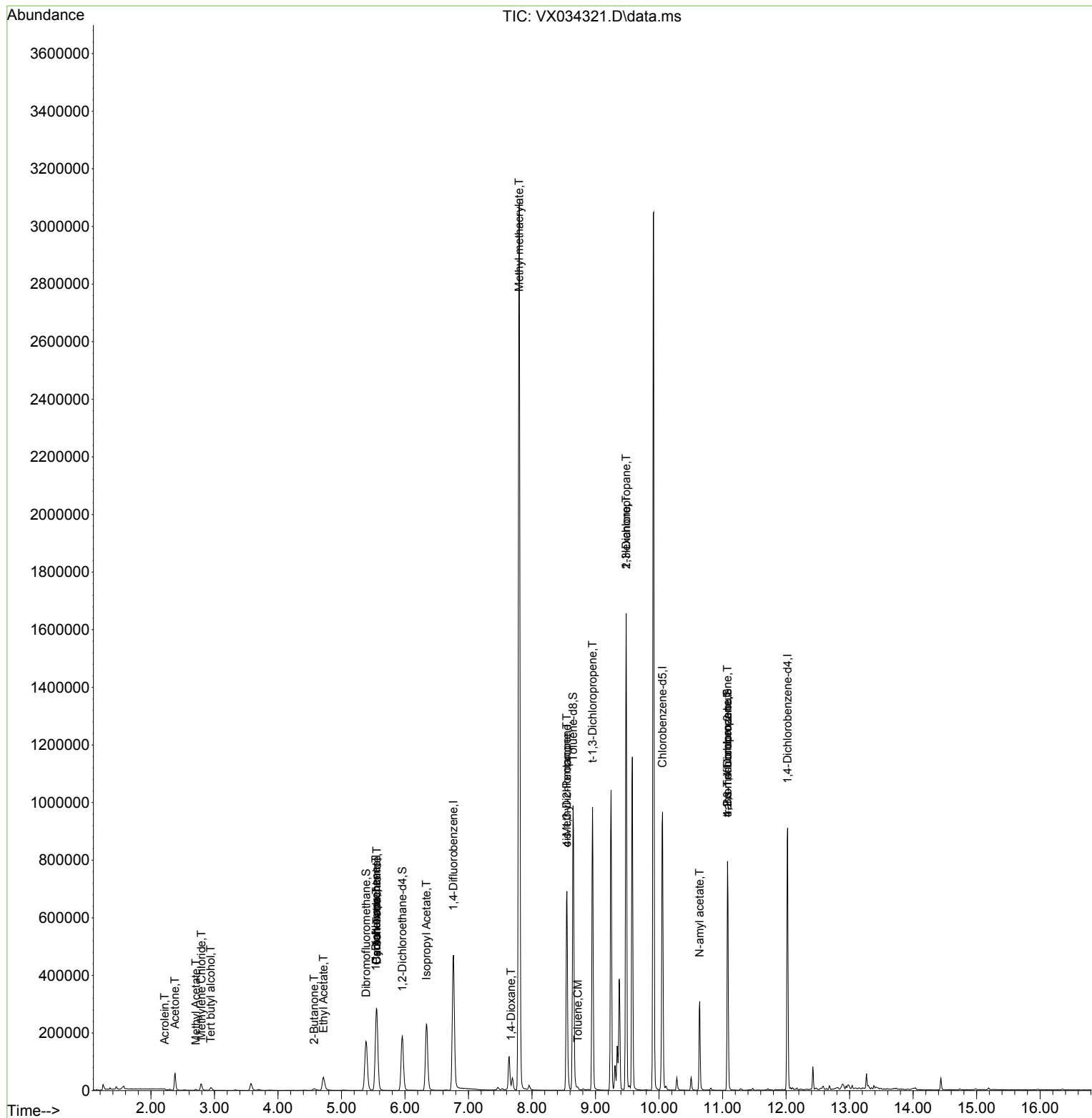
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	284694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	483159	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	435396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	192329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	176666	46.077	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.160%
35) Dibromofluoromethane	5.385	113	152179	48.375	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.740%
50) Toluene-d8	8.647	98	583222	51.637	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.280%
62) 4-Bromofluorobenzene	11.079	95	208058	48.159	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.320%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	309	Below Cal	#	27
11) Tert butyl alcohol	2.941	59	6736	7.855	ug/l #	92
13) Acrolein	2.215	56	267	0.682	ug/l #	1
16) Acetone	2.380	43	62040	31.367	ug/l	95
18) Methyl Acetate	2.709	43	4112	0.672	ug/l	97
20) Methylene Chloride	2.794	84	11198	3.142	ug/l	95
25) 2-Butanone	4.568	43	8351	2.918	ug/l	98
31) Cyclohexane	5.550	56	6449	1.127	ug/l #	6
36) 1,1-Dichloropropene	5.544	75	21175	4.551	ug/l #	49
37) Ethyl Acetate	4.715	43	81843	15.741	ug/l	100
38) Carbon Tetrachloride	5.556	117	27489	5.742	ug/l #	14
43) Isopropyl Acetate	6.336	43	334446	36.451	ug/l	99
48) Methyl methacrylate	7.799	41	259066	59.488	ug/l #	45
49) 1,4-Dioxane	7.671	88	20	0.230	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	246710	48.872	ug/l #	49
52) Toluene	8.720	92	2544	0.305	ug/l	97
53) t-1,3-Dichloropropene	8.952	75	2023	0.355	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	112509	18.418	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	14545	2.479	ug/l #	43
59) 2-Hexanone	9.482	43	197265	51.275	ug/l #	51
74) N-amyl acetate	10.640	43	85256	11.577	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	104737	21.642	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	104737	55.596	ug/l #	8

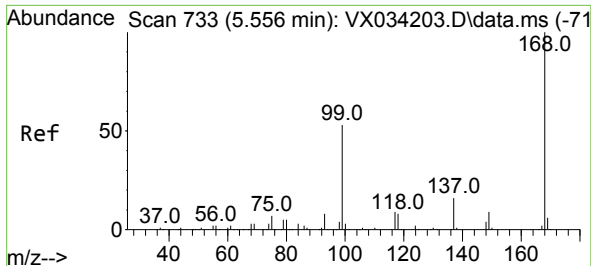
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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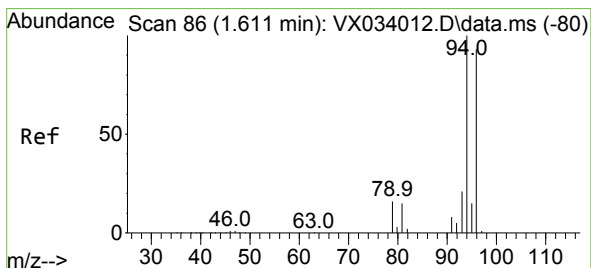
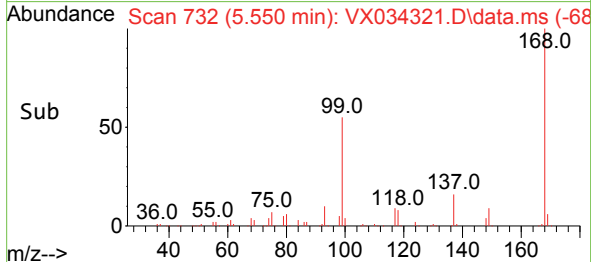
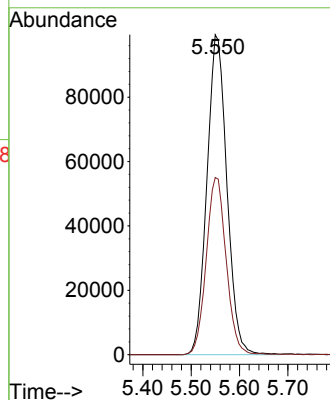
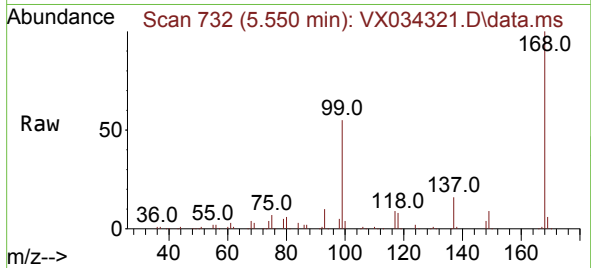




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

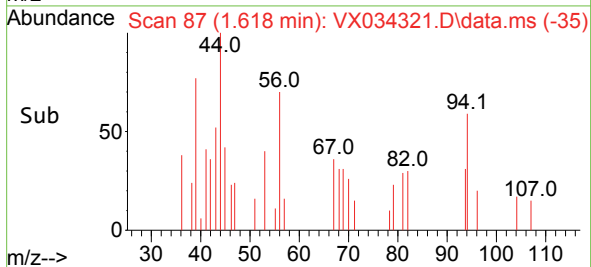
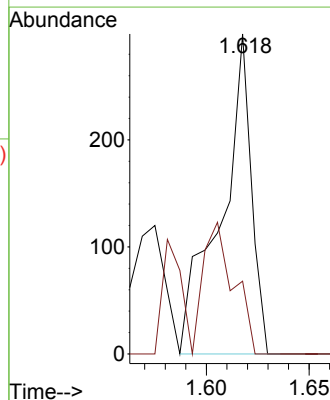
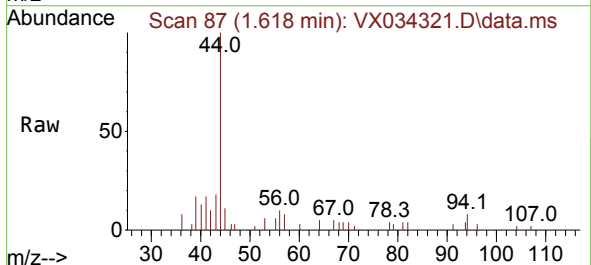
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#03

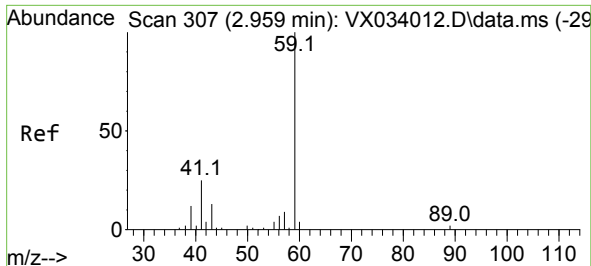
Tgt Ion:168 Resp: 284694
Ion Ratio Lower Upper
168 100
99 55.4 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

Tgt Ion: 94 Resp: 309
Ion Ratio Lower Upper
94 100
96 22.7 74.3 111.5#

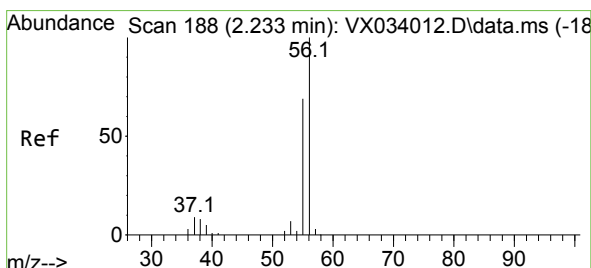
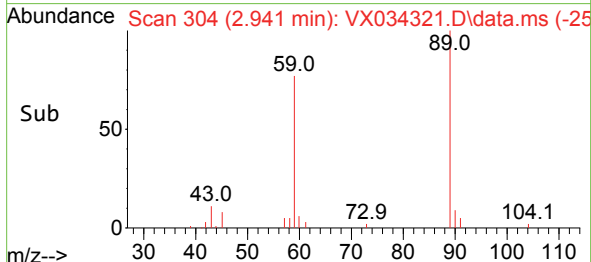
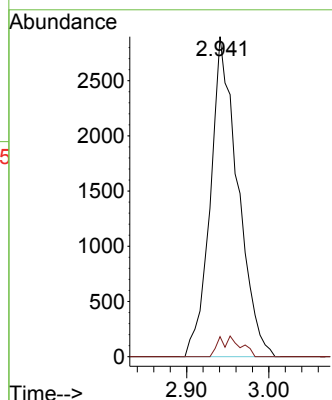
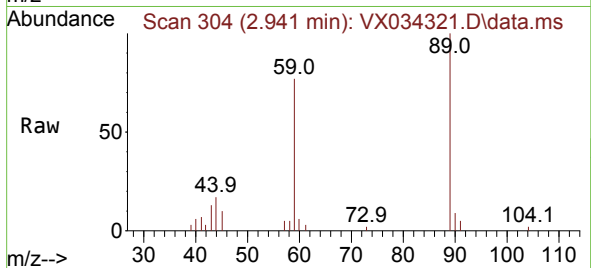




#11
Tert butyl alcohol
Concen: 7.855 ug/l
RT: 2.941 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

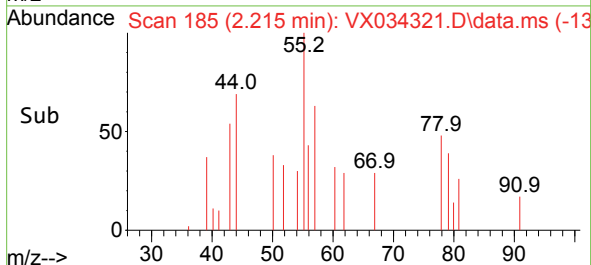
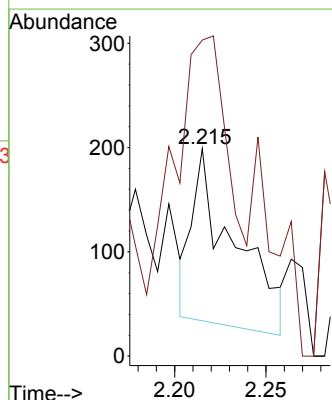
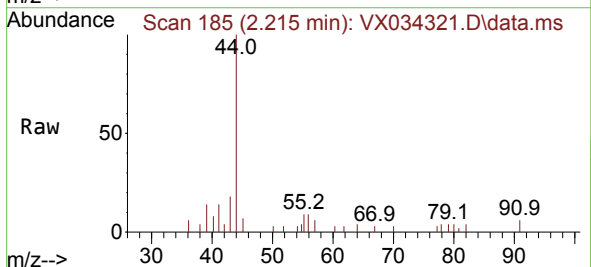
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#03

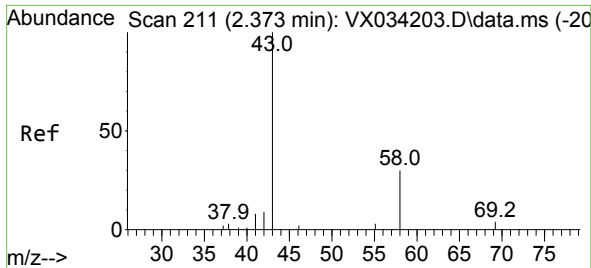
Tgt Ion: 59 Resp: 6736
Ion Ratio Lower Upper
59 100
57 1.9 3.7 5.5#



#13
Acrolein
Concen: 0.682 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.018 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

Tgt Ion: 56 Resp: 267
Ion Ratio Lower Upper
56 100
55 180.9 56.3 84.5#

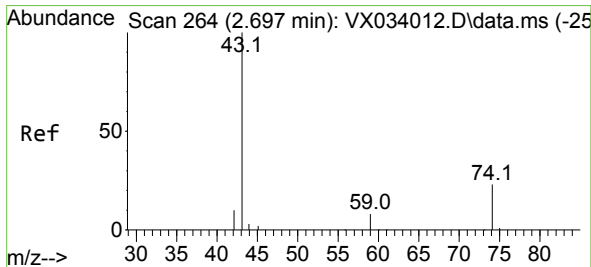
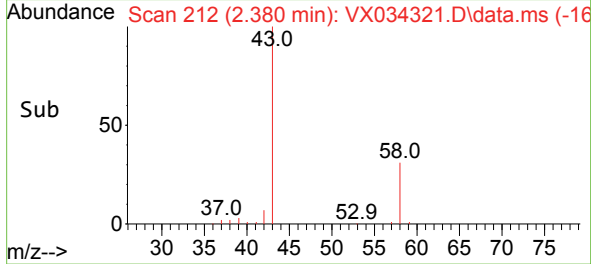
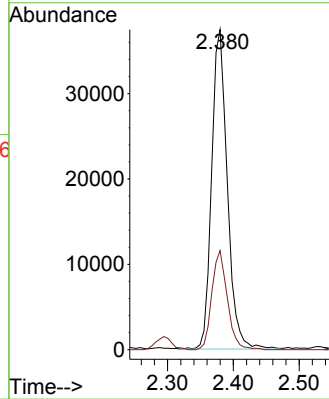
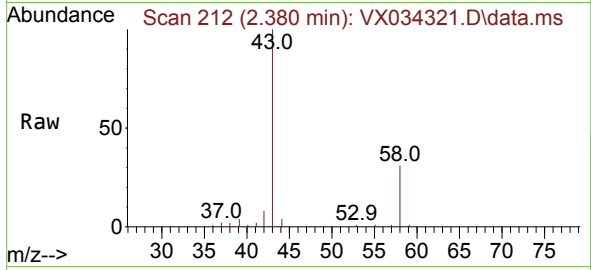




#16
Acetone
Concen: 31.367 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

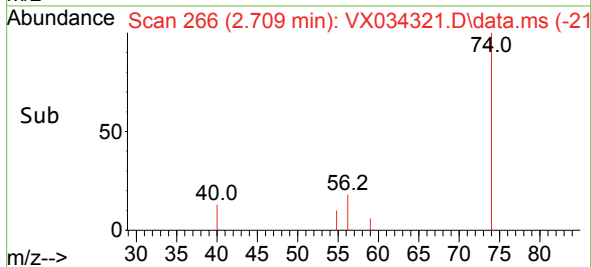
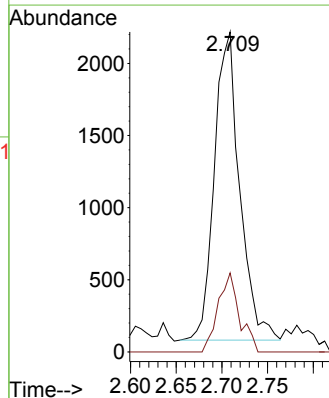
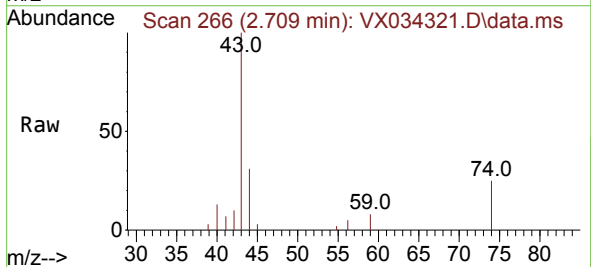
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#03

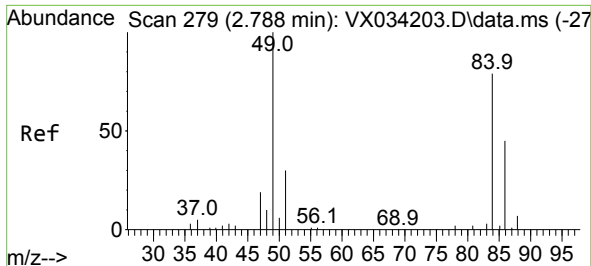
Tgt Ion: 43 Resp: 62040
Ion Ratio Lower Upper
43 100
58 31.0 22.6 33.8



#18
Methyl Acetate
Concen: 0.672 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

Tgt Ion: 43 Resp: 4112
Ion Ratio Lower Upper
43 100
74 21.6 18.2 27.4

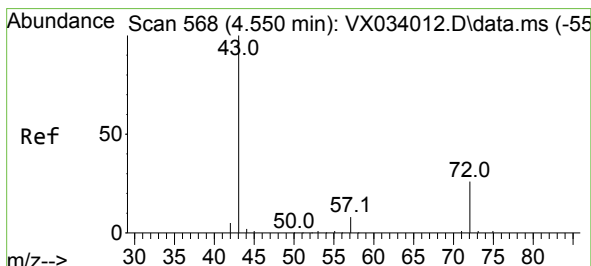
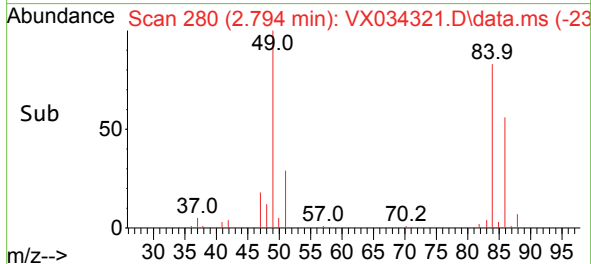
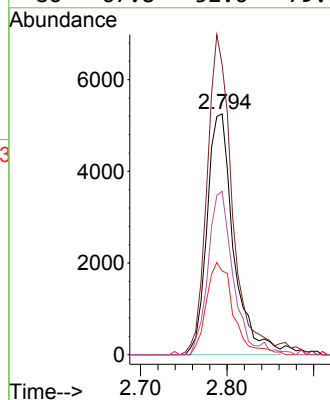
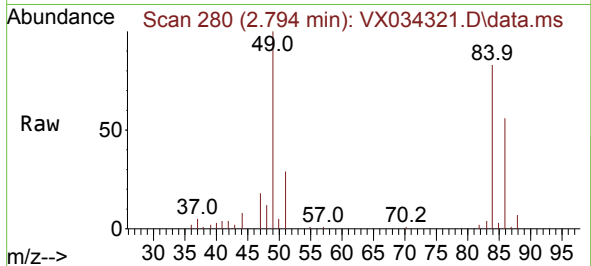




#20
Methylene Chloride
Concen: 3.142 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

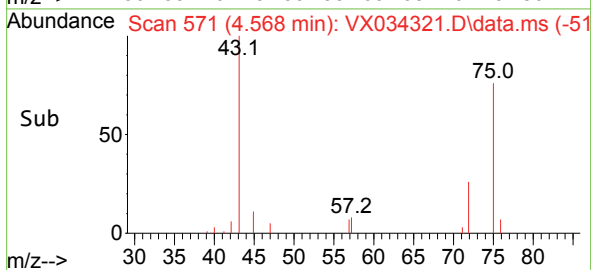
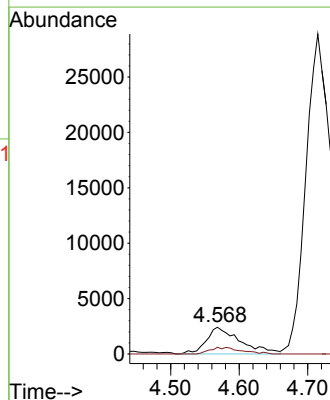
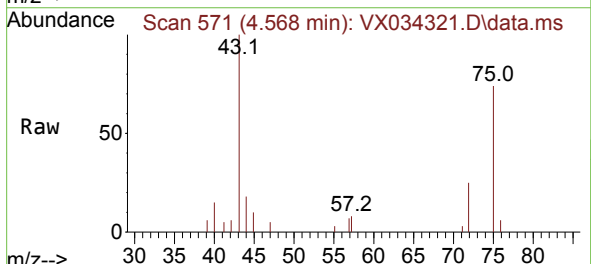
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#03

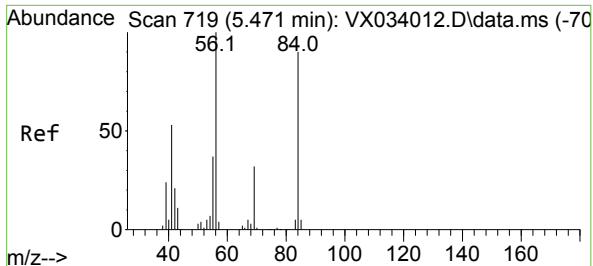
Tgt Ion: 84 Resp: 11198
Ion Ratio Lower Upper
84 100
49 120.4 101.1 151.7
51 34.8 31.0 46.6
86 67.8 52.6 79.0



#25
2-Butanone
Concen: 2.918 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.025 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

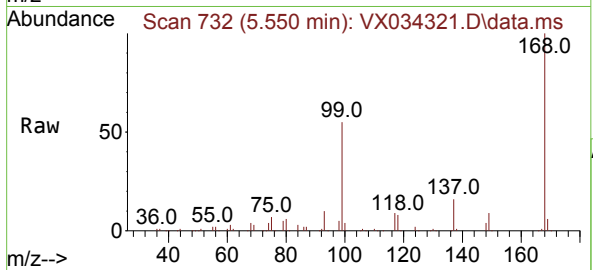
Tgt Ion: 43 Resp: 8351
Ion Ratio Lower Upper
43 100
72 25.4 19.4 29.2



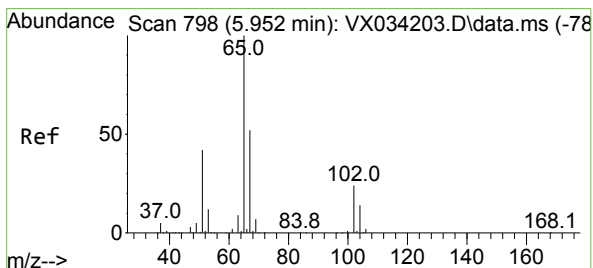
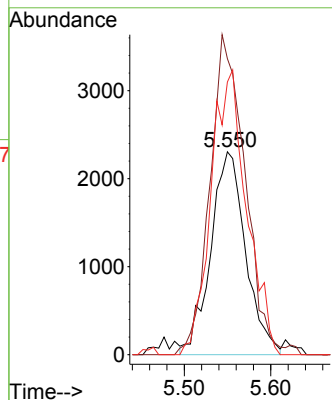
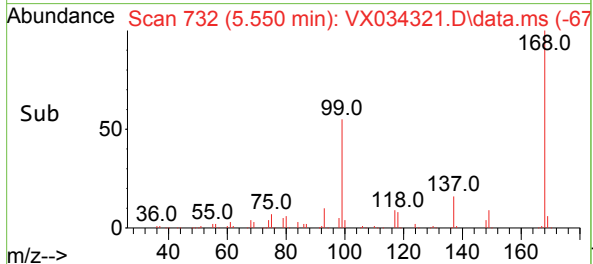


#31
Cyclohexane
Concen: 1.127 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#03

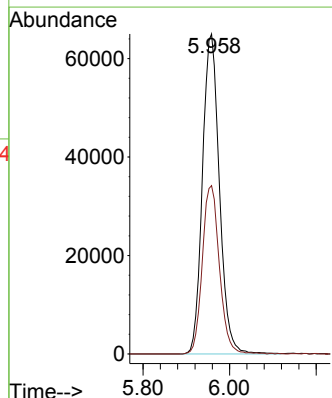
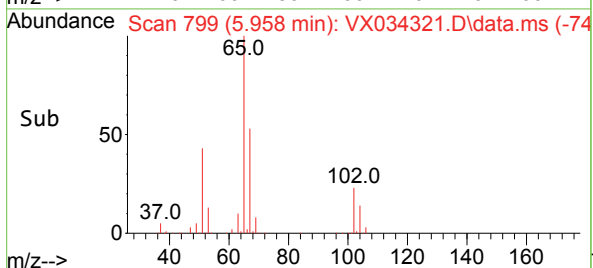
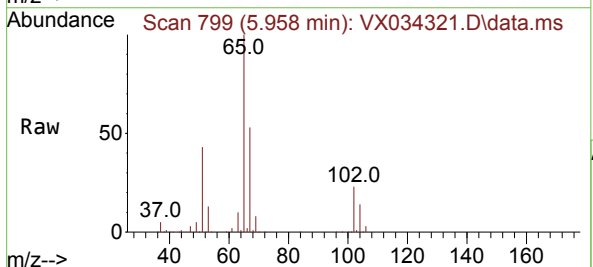


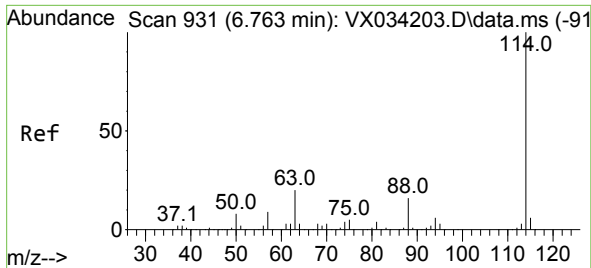
Tgt Ion: 56 Resp: 6449
Ion Ratio Lower Upper
56 100
69 146.6 24.6 37.0#
84 138.1 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 46.077 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

Tgt Ion: 65 Resp: 176666
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.8

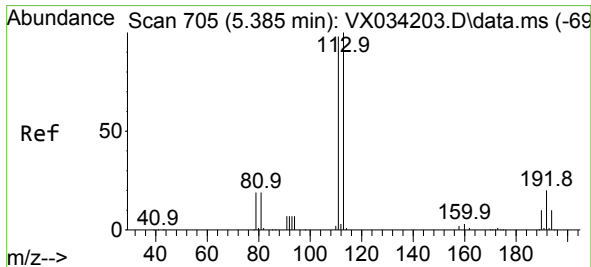
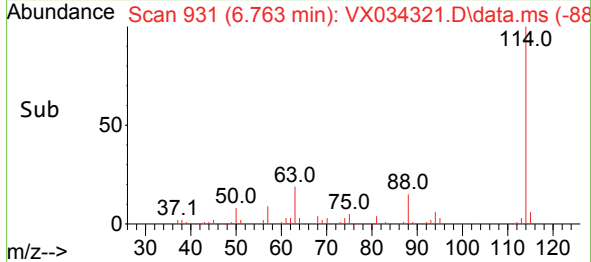
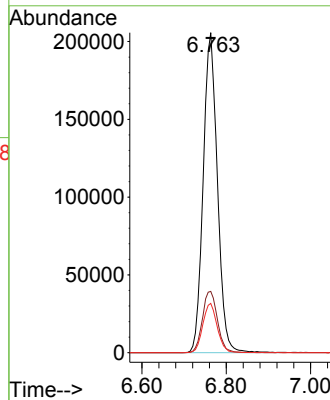
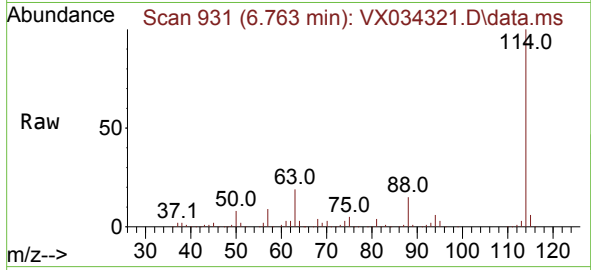




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

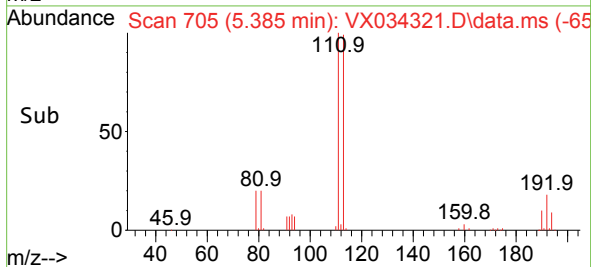
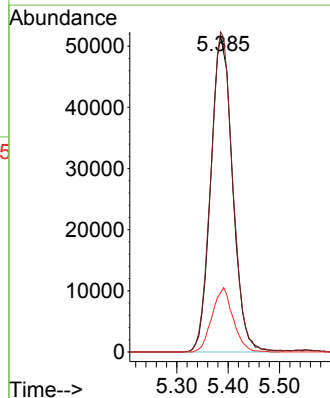
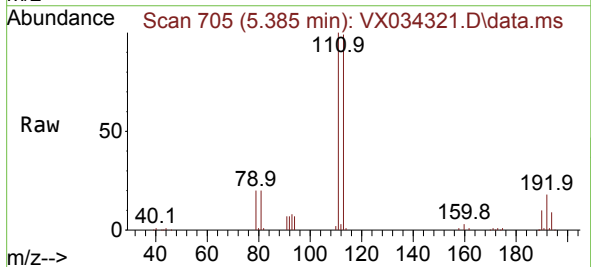
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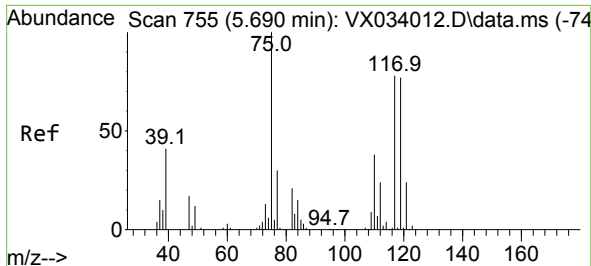
Tgt Ion:114 Resp: 483159
Ion Ratio Lower Upper
114 100
63 19.1 0.0 37.4
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.375 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

Tgt Ion:113 Resp: 152179
Ion Ratio Lower Upper
113 100
111 101.8 83.0 124.6
192 19.6 19.0 28.4





#36

1,1-Dichloropropene

Concen: 4.551 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX034321.D

Acq: 03 Mar 2023 14:37

Instrument :

MSVOA_X

ClientSampleId :

PB151167ZHE#03

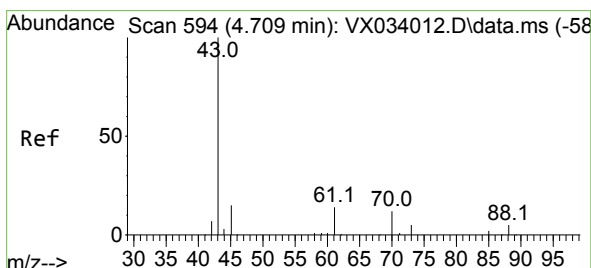
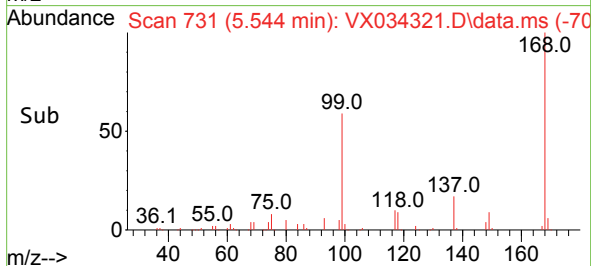
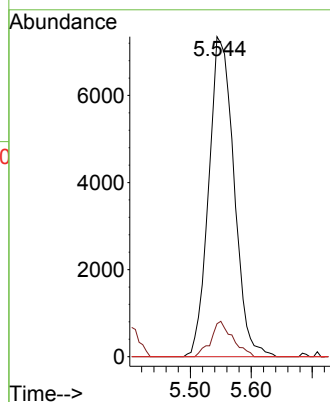
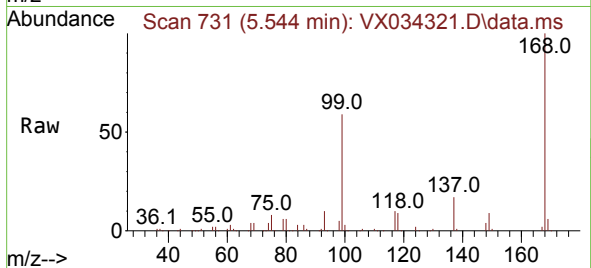
Tgt Ion: 75 Resp: 21175

Ion Ratio Lower Upper

75 100

110 9.5 18.8 56.4#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 15.741 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX034321.D

Acq: 03 Mar 2023 14:37

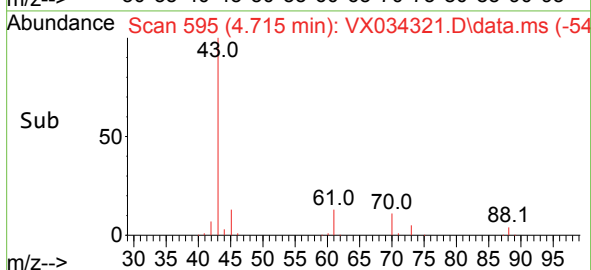
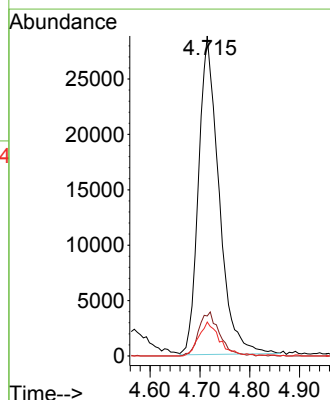
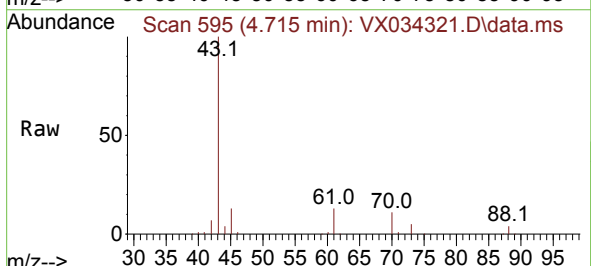
Tgt Ion: 43 Resp: 81843

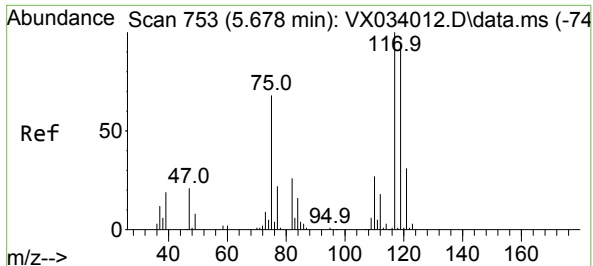
Ion Ratio Lower Upper

43 100

61 14.1 11.1 16.7

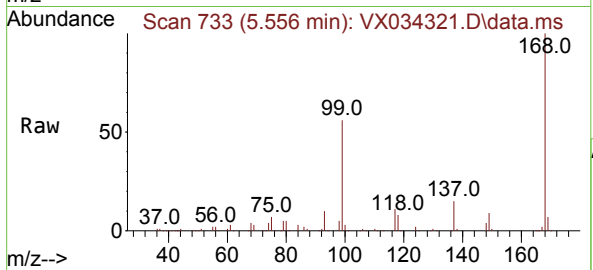
70 10.7 8.5 12.7



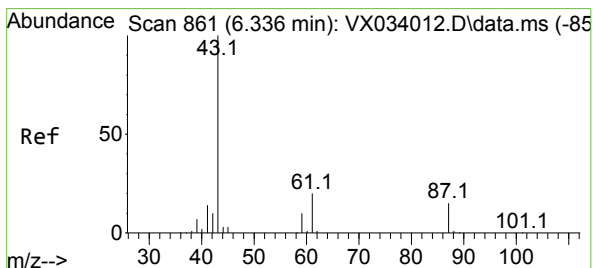
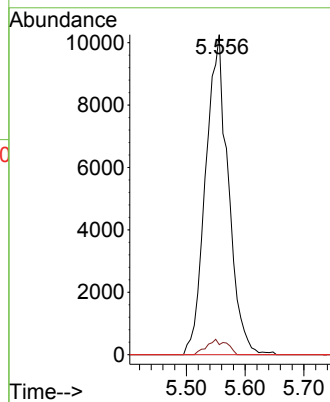
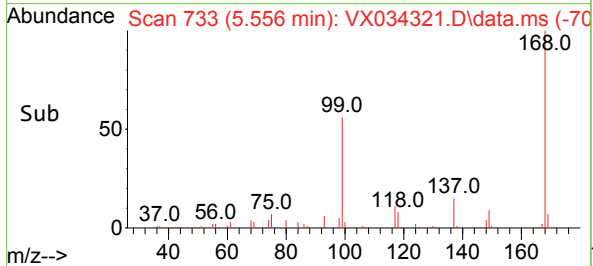


#38
Carbon Tetrachloride
Concen: 5.742 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#03

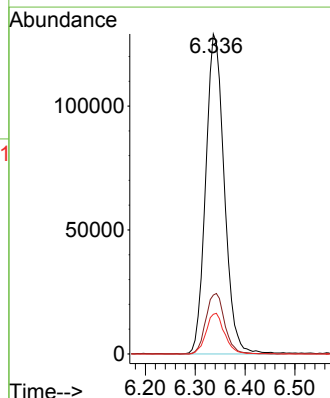
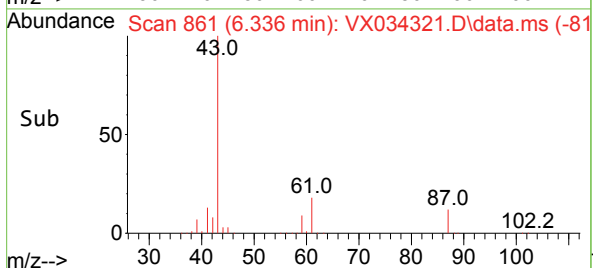
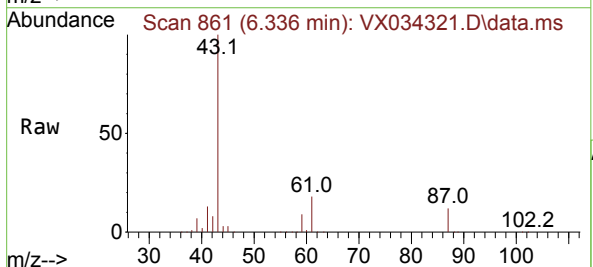


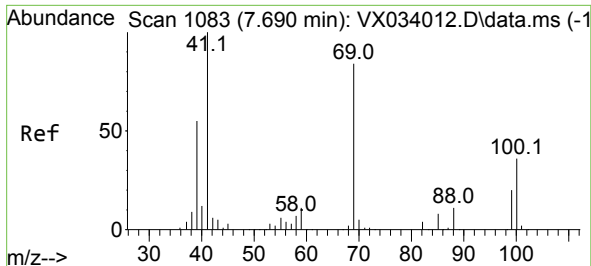
Tgt Ion:117 Resp: 27489
Ion Ratio Lower Upper
117 100
119 3.2 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 36.451 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

Tgt Ion: 43 Resp: 334446
Ion Ratio Lower Upper
43 100
61 19.2 15.7 23.5
87 12.5 10.6 15.8

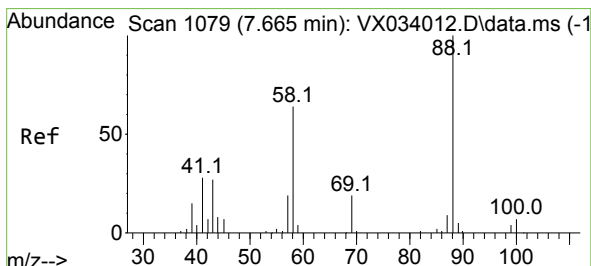
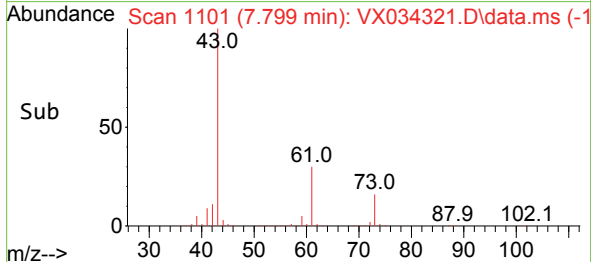
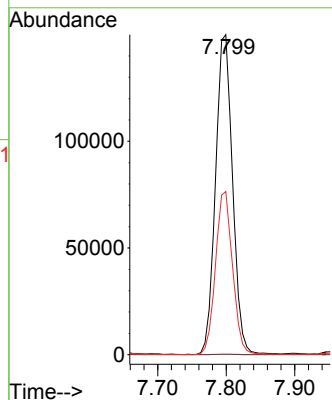
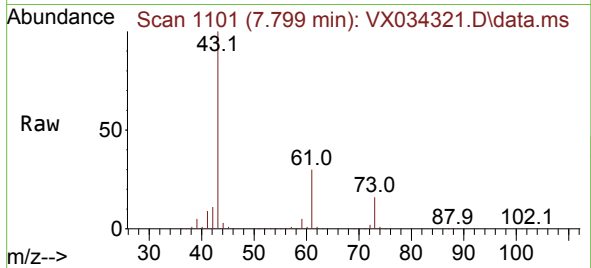




#48
Methyl methacrylate
Concen: 59.488 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

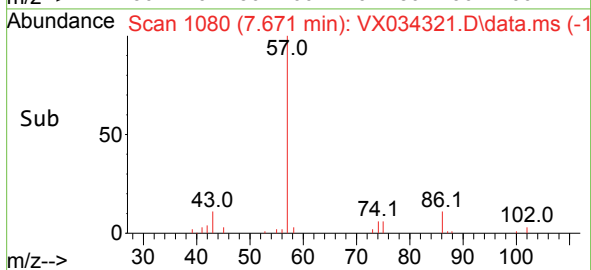
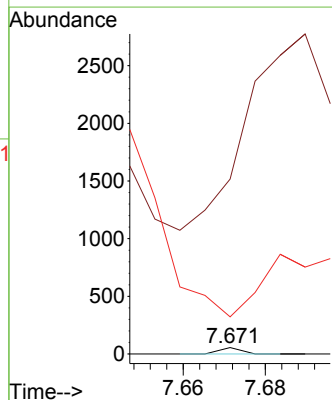
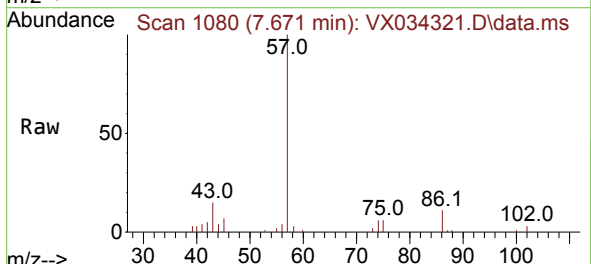
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#03

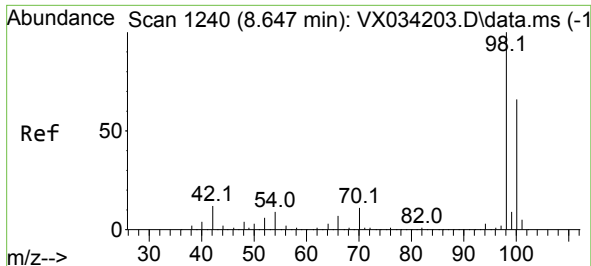
Tgt Ion: 41 Resp: 259066
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 51.2 43.2 64.8



#49
1,4-Dioxane
Concen: 0.230 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.019 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 7685.0 56.5 84.7#

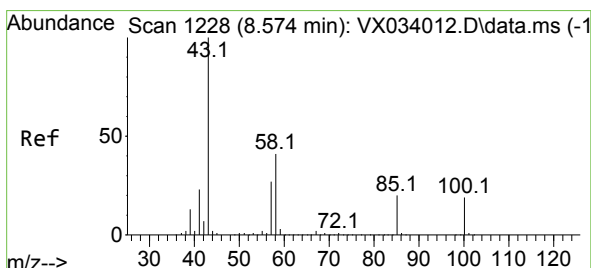
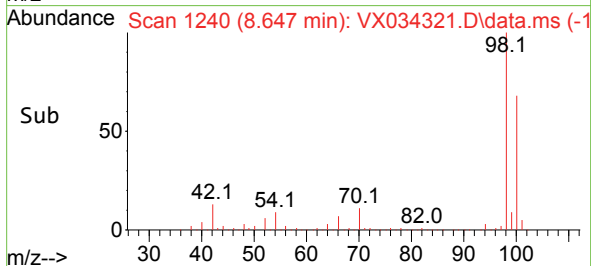
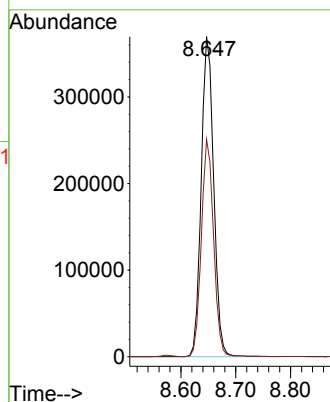
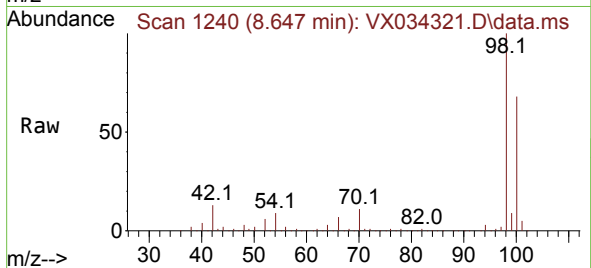




#50
Toluene-d8
Concen: 51.637 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

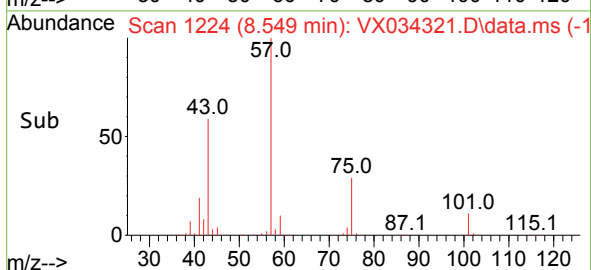
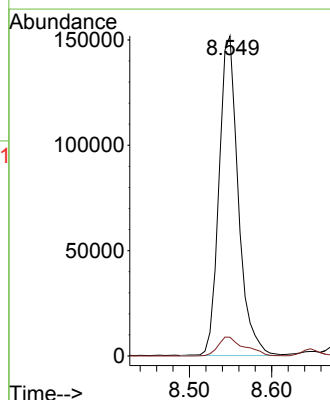
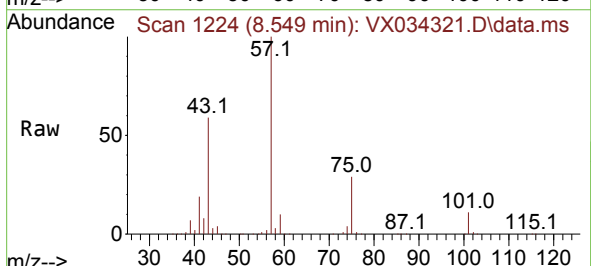
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#03

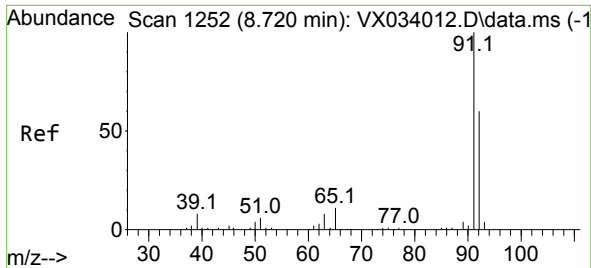
Tgt Ion: 98 Resp: 583222
Ion Ratio Lower Upper
98 100
100 66.8 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 48.872 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

Tgt Ion: 43 Resp: 246710
Ion Ratio Lower Upper
43 100
58 8.1 31.2 46.8#

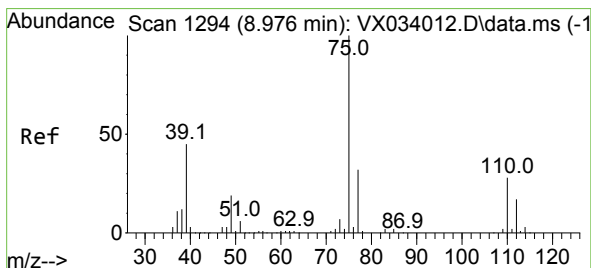
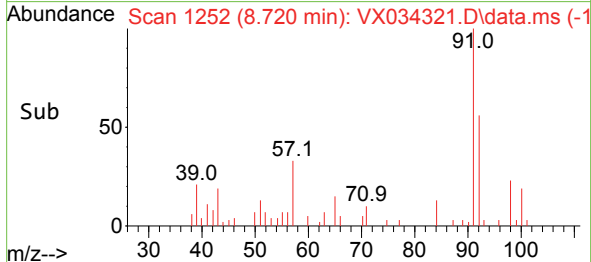
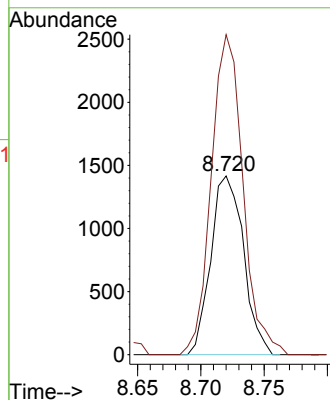
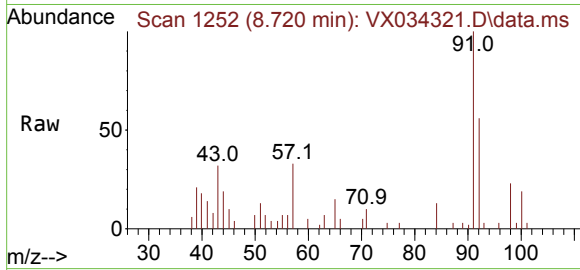




#52
Toluene
Concen: 0.305 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

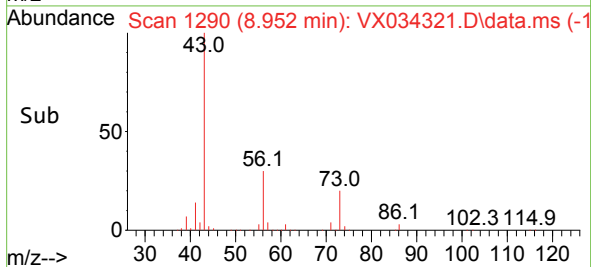
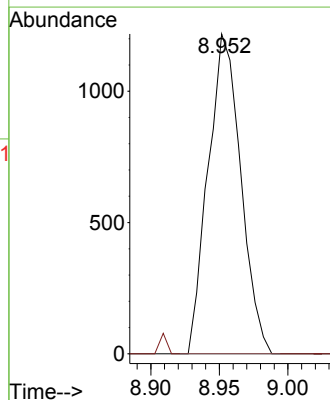
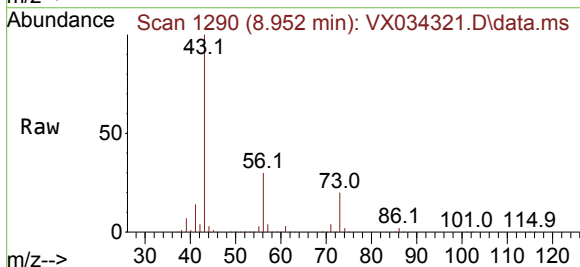
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#03

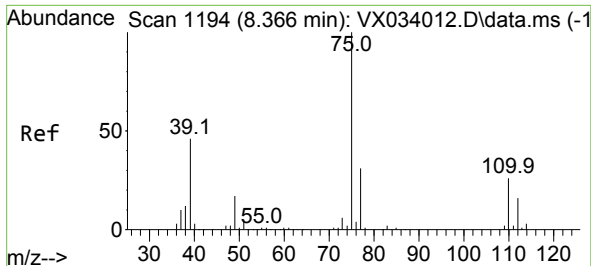
Tgt Ion: 92 Resp: 2544
Ion Ratio Lower Upper
92 100
91 173.5 135.5 203.3



#53
t-1,3-Dichloropropene
Concen: 0.355 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

Tgt Ion: 75 Resp: 2023
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

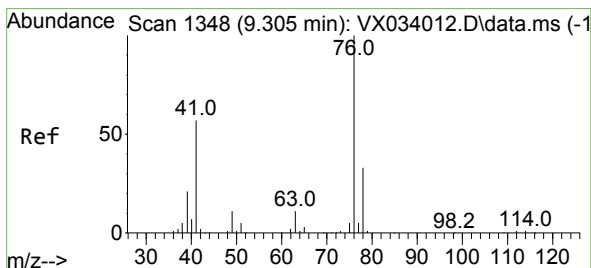
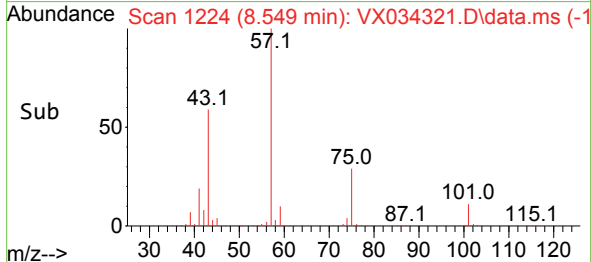
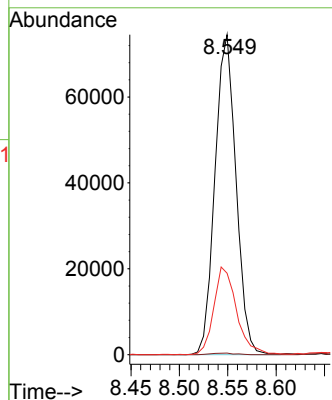
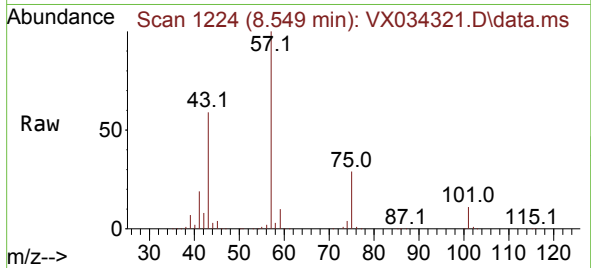




#54
 cis-1,3-Dichloropropene
 Concen: 18.418 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX034321.D
 Acq: 03 Mar 2023 14:37

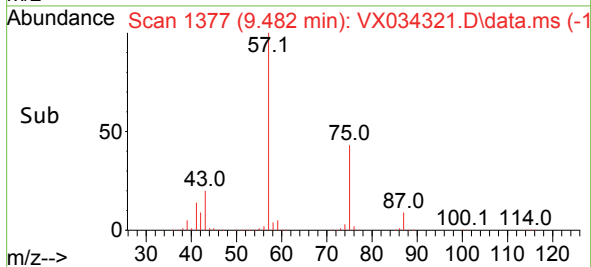
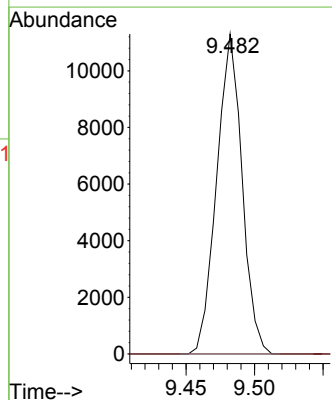
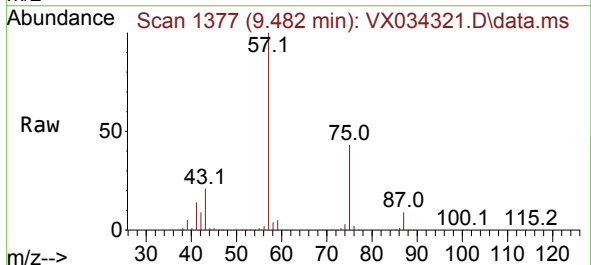
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151167ZHE#03

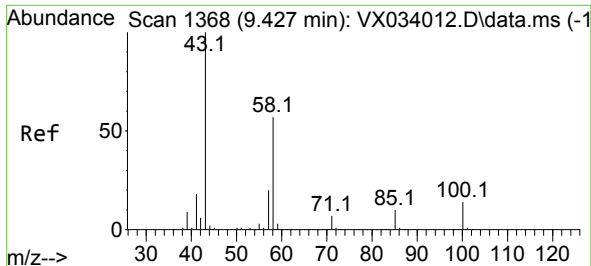
Tgt Ion: 75 Resp: 112509
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 25.3 38.6 58.0#



#57
 1,3-Dichloropropane
 Concen: 2.479 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034321.D
 Acq: 03 Mar 2023 14:37

Tgt Ion: 76 Resp: 14545
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

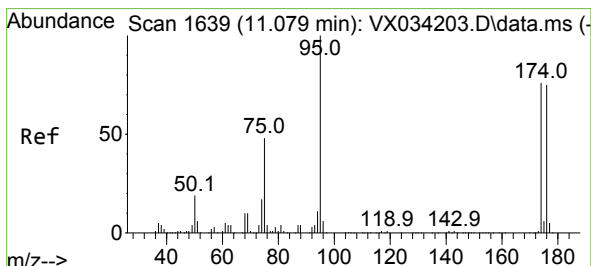
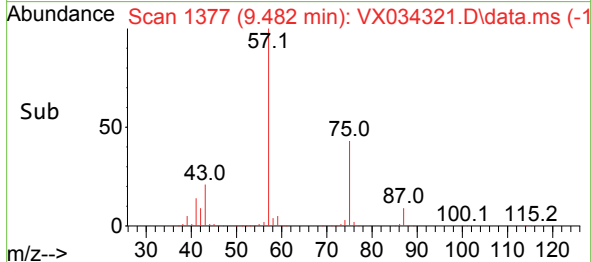
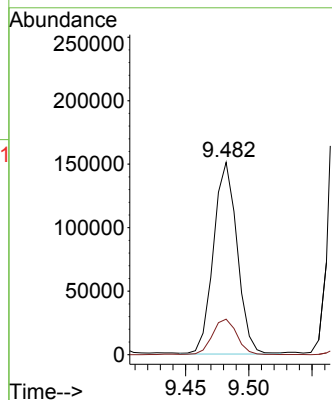
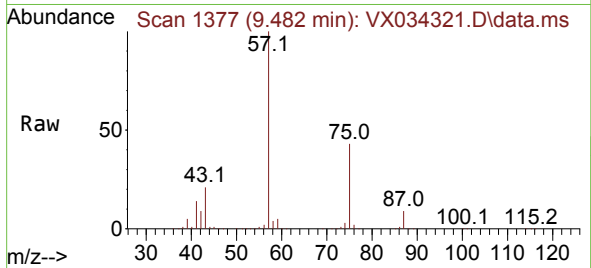




#59
2-Hexanone
Concen: 51.275 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

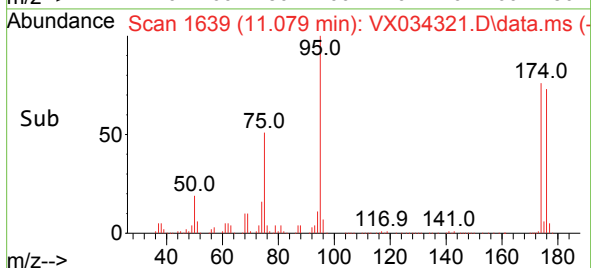
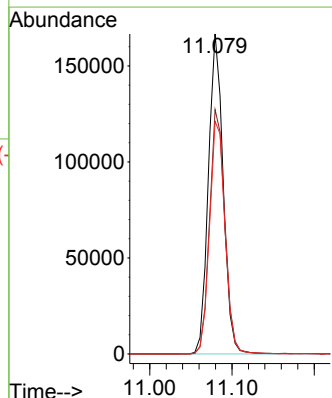
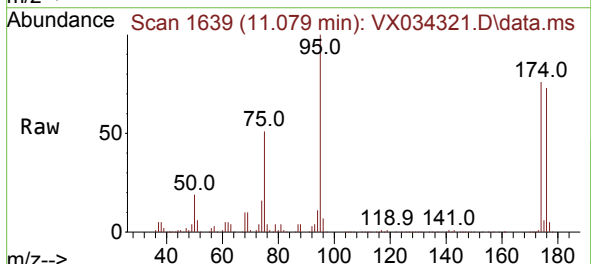
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#03

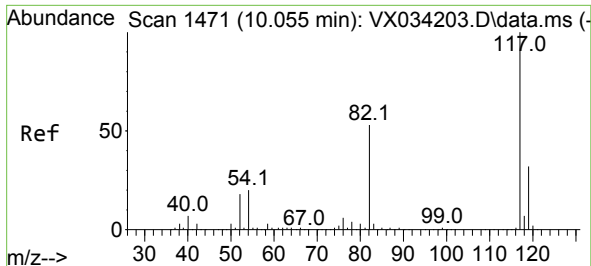
Tgt Ion: 43 Resp: 197265
Ion Ratio Lower Upper
43 100
58 19.5 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 48.159 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

Tgt Ion: 95 Resp: 208058
Ion Ratio Lower Upper
95 100
174 79.2 0.0 184.4
176 76.1 0.0 178.8

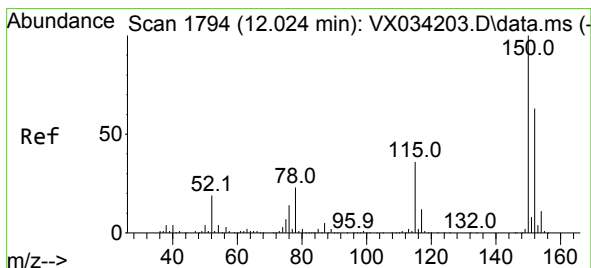
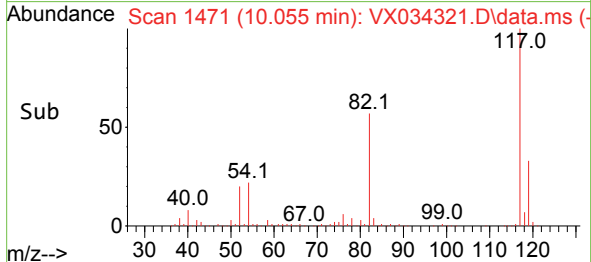
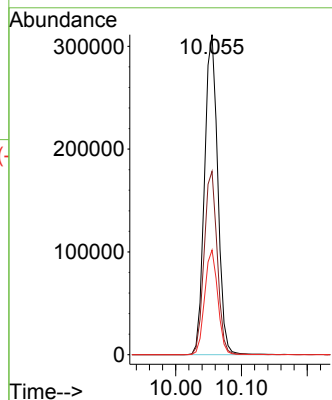
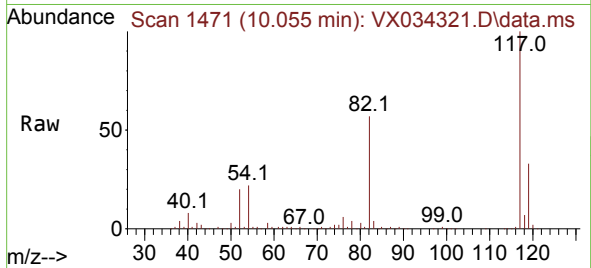




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

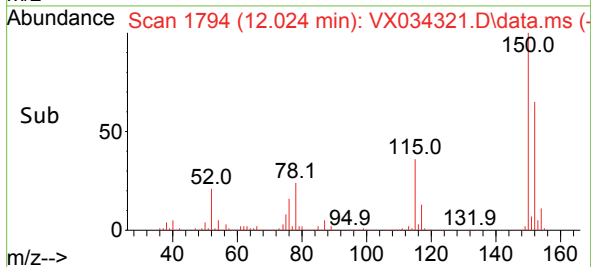
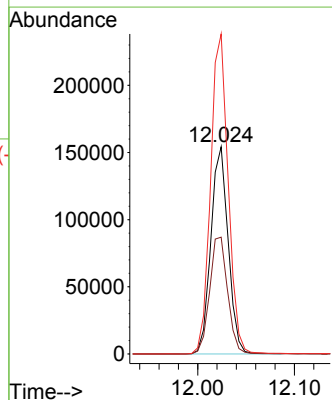
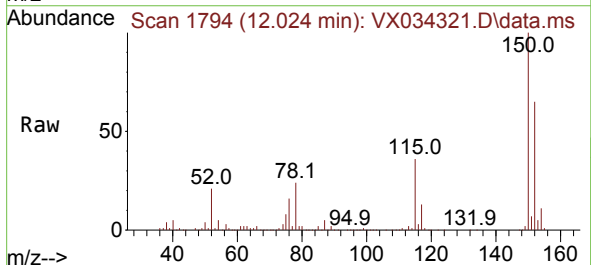
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#03

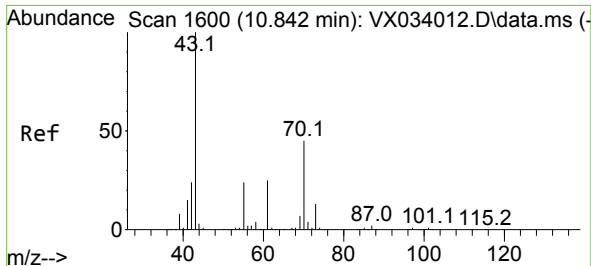
Tgt Ion:117 Resp: 435396
Ion Ratio Lower Upper
117 100
82 57.3 40.6 60.8
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

Tgt Ion:152 Resp: 192329
Ion Ratio Lower Upper
152 100
115 58.5 38.7 116.1
150 156.7 0.0 348.2

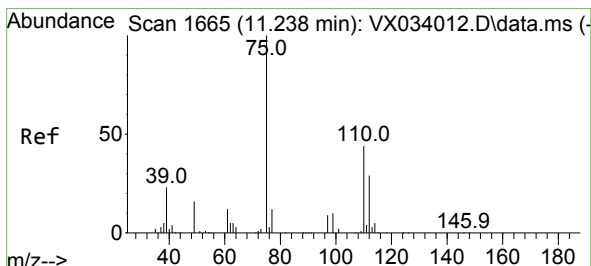
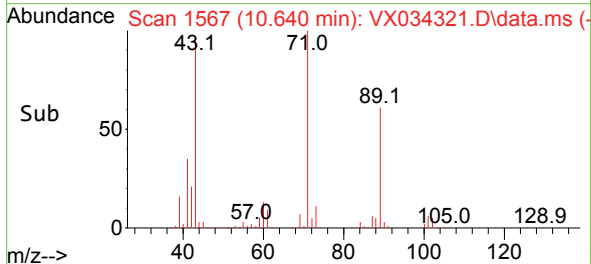
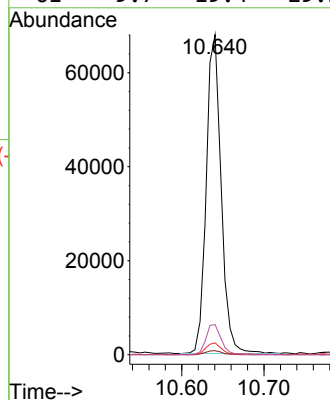
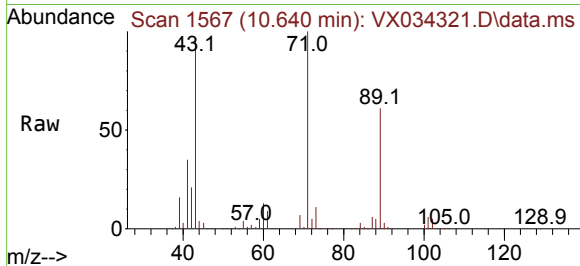




#74
N-amy1 acetate
Concen: 11.577 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

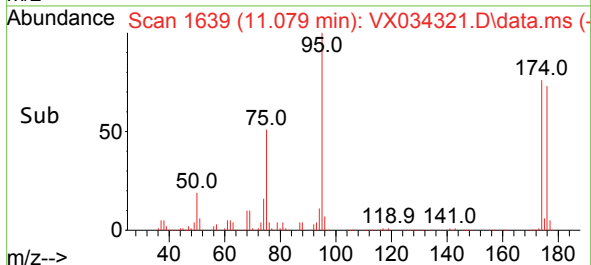
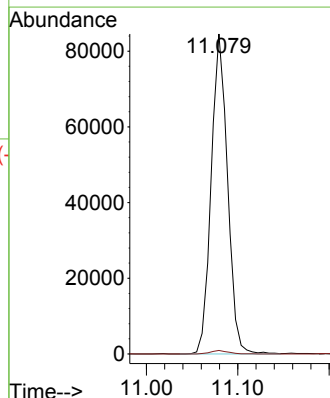
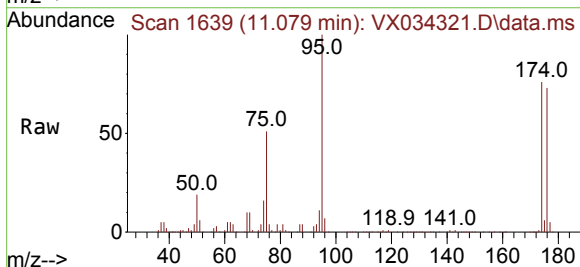
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#03

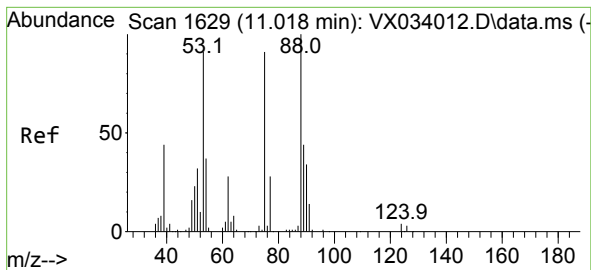
Tgt Ion: 43	Resp: 85256
Ion Ratio	Lower Upper
43	100
70	1.4 34.8 52.2#
55	4.1 19.4 29.0#
61	9.7 19.4 29.2#



#76
1,2,3-Trichloropropane
Concen: 21.642 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034321.D
Acq: 03 Mar 2023 14:37

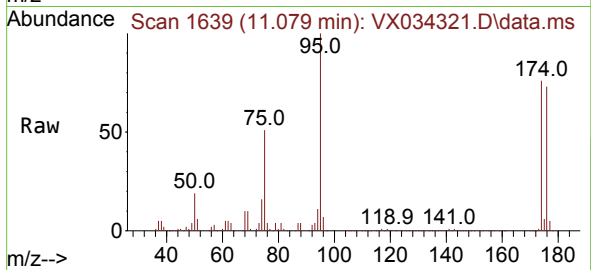
Tgt Ion: 75	Resp: 104737
Ion Ratio	Lower Upper
75	100
77	1.2 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.596 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX034321.D
 Acq: 03 Mar 2023 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151167ZHE#03



Tgt Ion: 75 Resp: 104737
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

