

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030323\
 Data File : VX034322.D
 Acq On : 03 Mar 2023 15:00
 Operator : JC/MD
 Sample : PB151167ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151167ZHE#04

Quant Time: Mar 03 22:13:08 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)

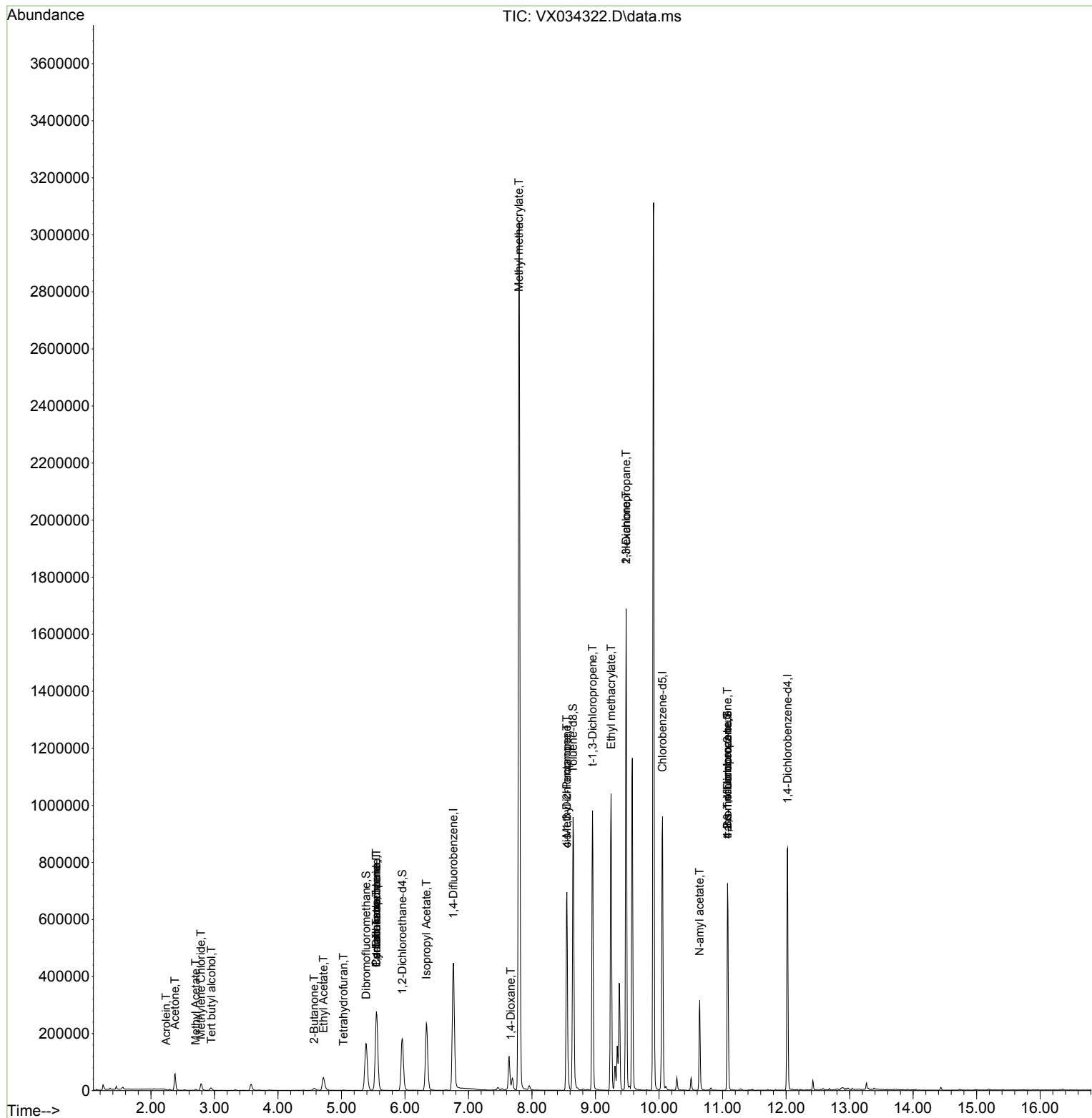
Internal Standards						
1) Pentafluorobenzene	5.550	168	272873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	455017	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	418994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	179536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	168102	45.743	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.480%
35) Dibromofluoromethane	5.385	113	144507	48.777	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.560%
50) Toluene-d8	8.647	98	558045	52.464	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.920%
62) 4-Bromofluorobenzene	11.079	95	192560	47.328	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.660%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	202	Below Cal	#	61
11) Tert butyl alcohol	2.953	59	6037	7.345	ug/l #	94
13) Acrolein	2.239	56	102	0.272	ug/l #	14
16) Acetone	2.380	43	61327	32.350	ug/l	92
18) Methyl Acetate	2.703	43	3920	0.668	ug/l	98
20) Methylene Chloride	2.788	84	11255	3.295	ug/l	95
25) 2-Butanone	4.568	43	7298	2.661	ug/l #	78
29) Tetrahydrofuran	5.032	42	1543	0.922	ug/l #	76
31) Cyclohexane	5.550	56	6026	1.098	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	20507	4.680	ug/l #	49
37) Ethyl Acetate	4.715	43	79588	16.254	ug/l	99
38) Carbon Tetrachloride	5.550	117	25718	5.704	ug/l #	14
43) Isopropyl Acetate	6.336	43	329940	38.184	ug/l	99
48) Methyl methacrylate	7.793	41	259204	63.201	ug/l #	46
49) 1,4-Dioxane	7.665	88	55	0.672	ug/l #	14
51) 4-Methyl-2-Pentanone	8.549	43	248417	52.254	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	2063	0.384	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	113398	19.712	ug/l #	58
56) Ethyl methacrylate	9.244	69	1761	0.328	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	14234	2.576	ug/l #	43
59) 2-Hexanone	9.482	43	196046	54.110	ug/l #	51
74) N-amyl acetate	10.640	43	86915	12.644	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	97385	21.557	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	97385	55.377	ug/l #	8

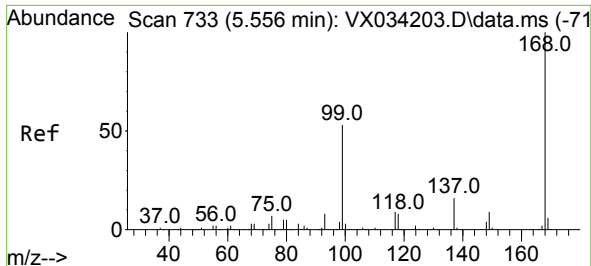
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 03 22:13:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
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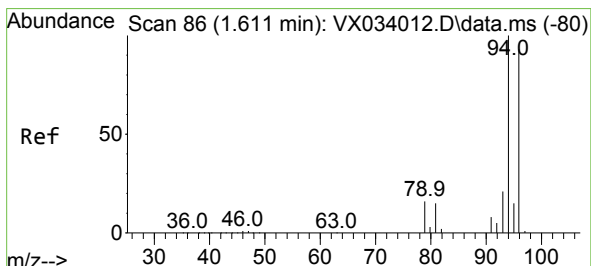
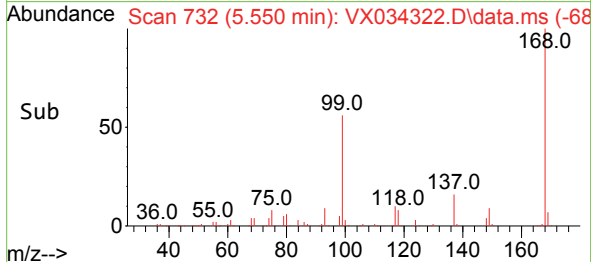
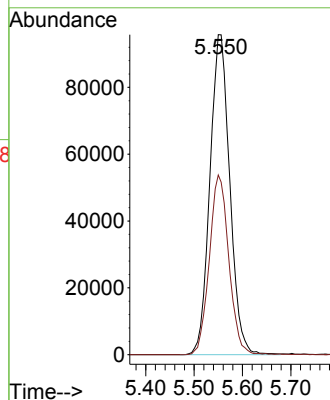
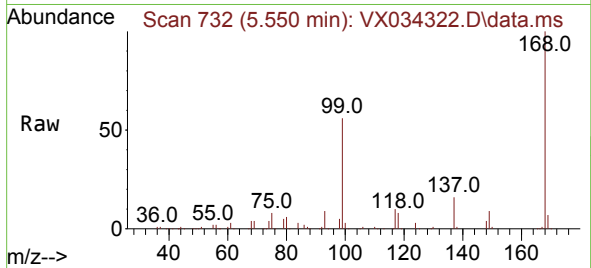




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

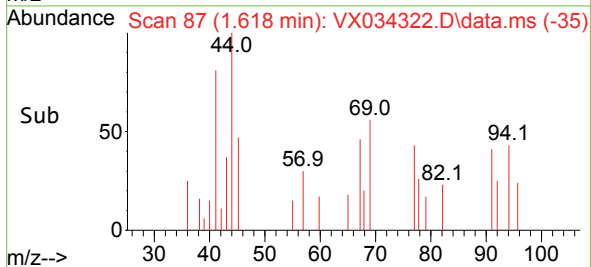
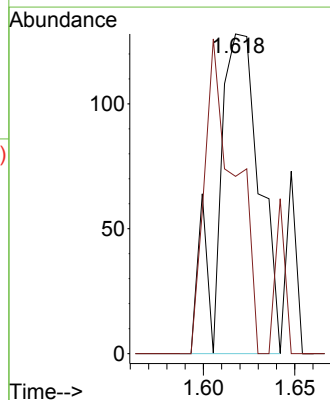
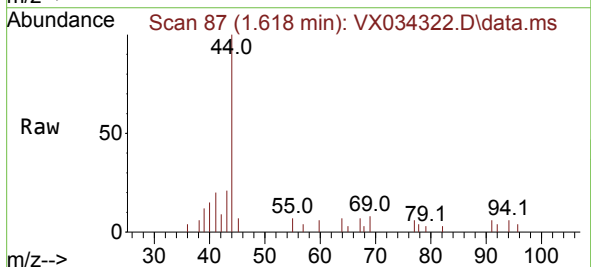
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#04

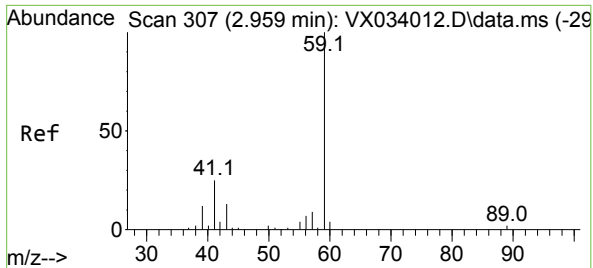
Tgt Ion:168 Resp: 272873
Ion Ratio Lower Upper
168 100
99 56.1 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

Tgt Ion: 94 Resp: 202
Ion Ratio Lower Upper
94 100
96 55.5 74.3 111.5#





#11

Tert butyl alcohol

Concen: 7.345 ug/l

RT: 2.953 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX034322.D

Acq: 03 Mar 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

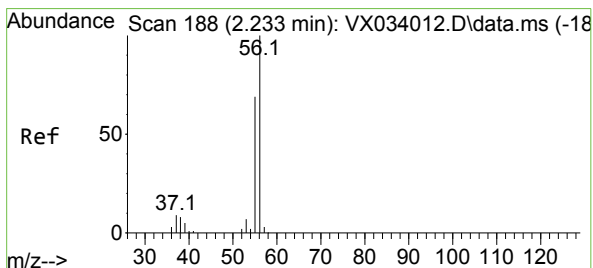
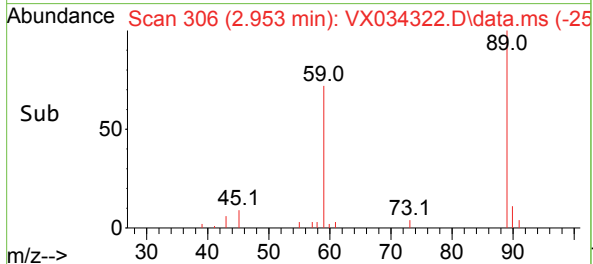
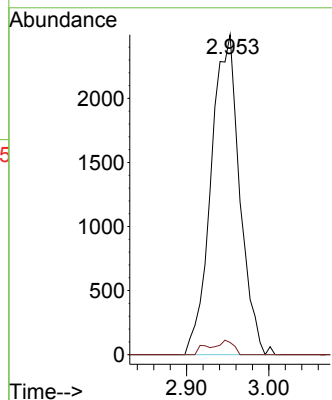
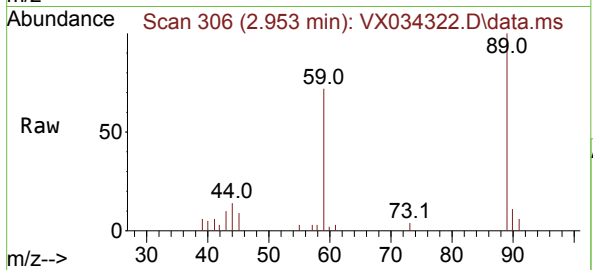
PB151167ZHE#04

Tgt Ion: 59 Resp: 6037

Ion Ratio Lower Upper

59 100

57 2.5 3.7 5.5#



#13

Acrolein

Concen: 0.272 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX034322.D

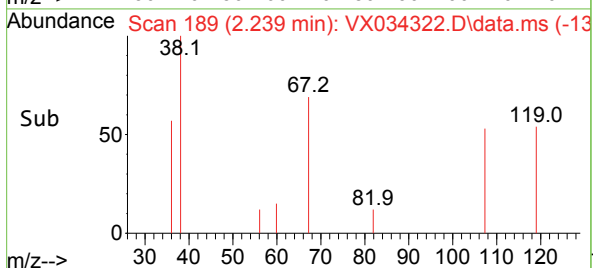
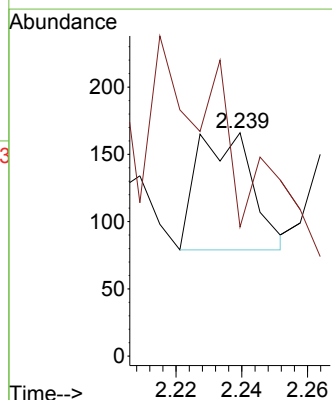
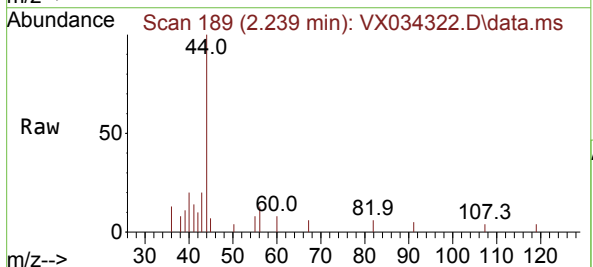
Acq: 03 Mar 2023 15:00

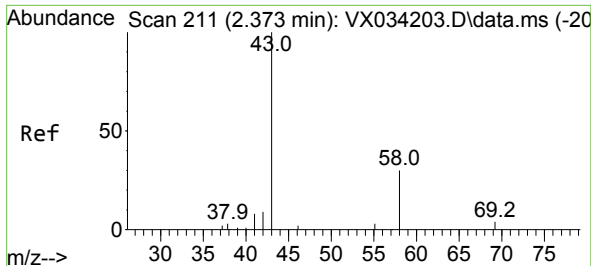
Tgt Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#

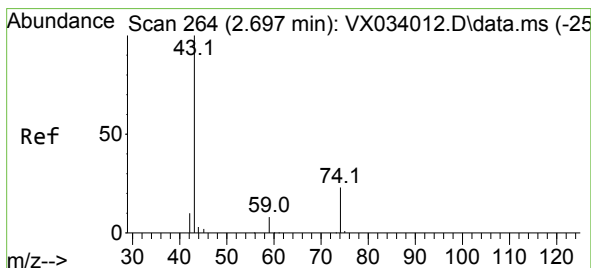
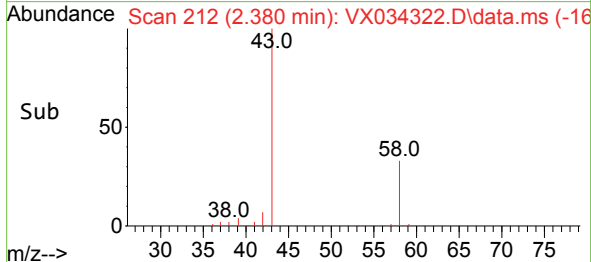
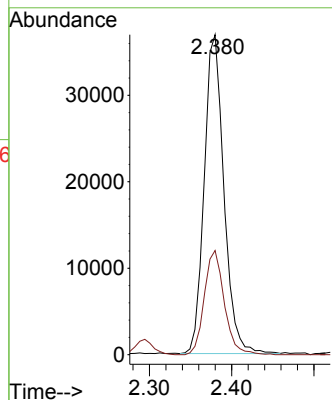
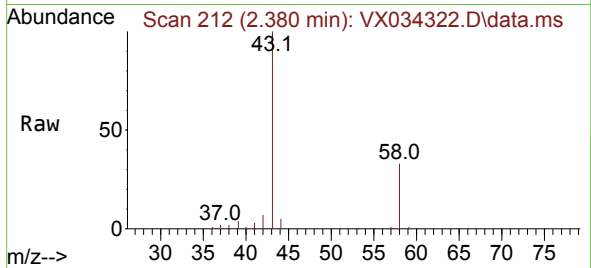




#16
Acetone
Concen: 32.350 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

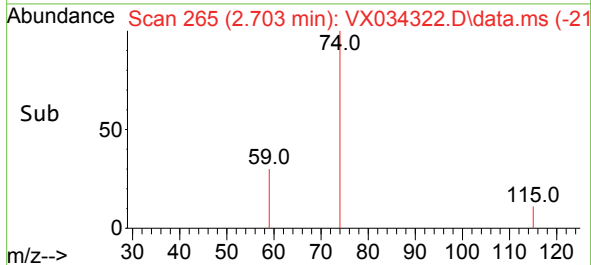
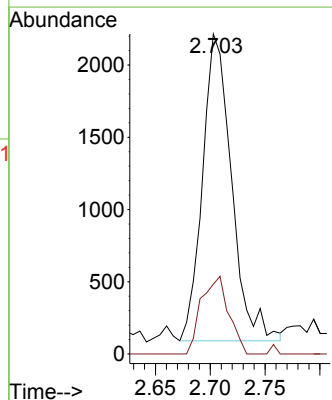
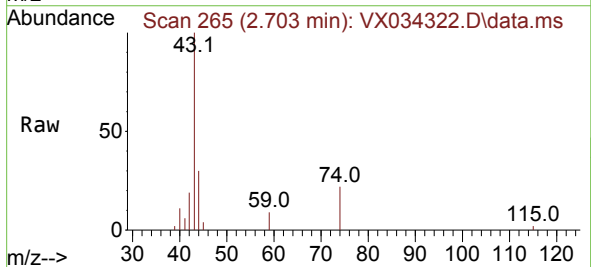
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#04

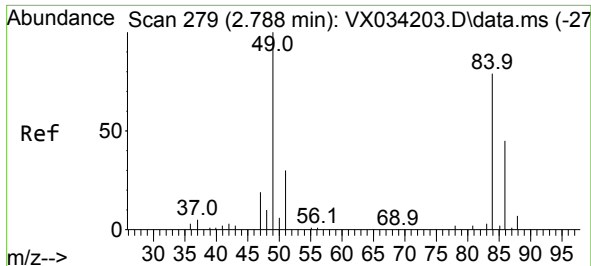
Tgt Ion: 43 Resp: 61327
Ion Ratio Lower Upper
43 100
58 32.6 22.6 33.8



#18
Methyl Acetate
Concen: 0.668 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

Tgt Ion: 43 Resp: 3920
Ion Ratio Lower Upper
43 100
74 23.8 18.2 27.4

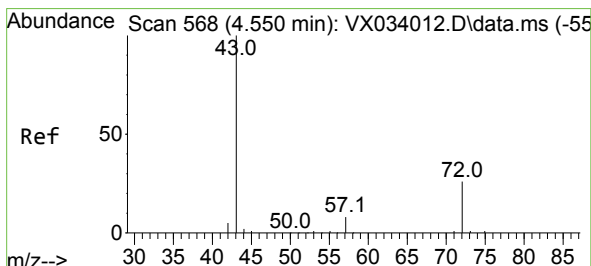
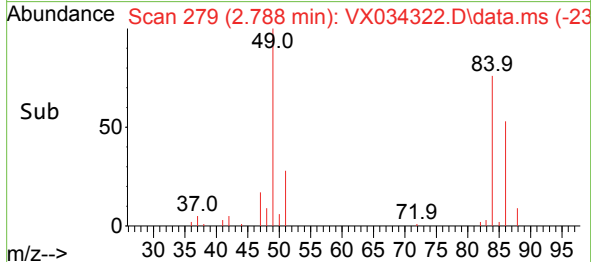
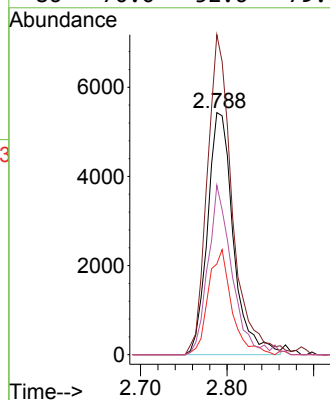
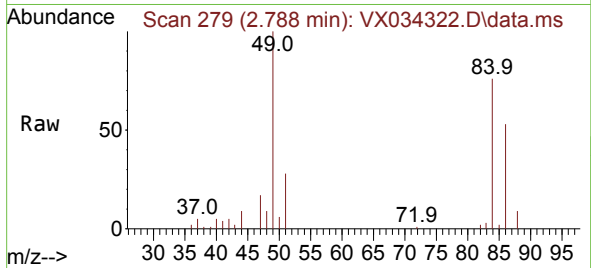




#20
Methylene Chloride
Concen: 3.295 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

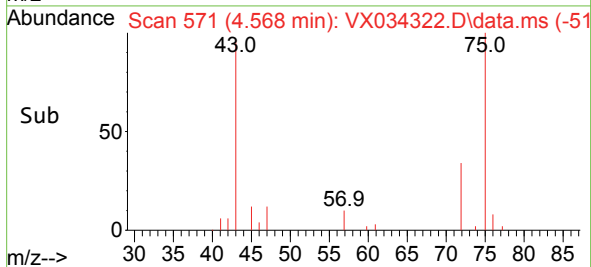
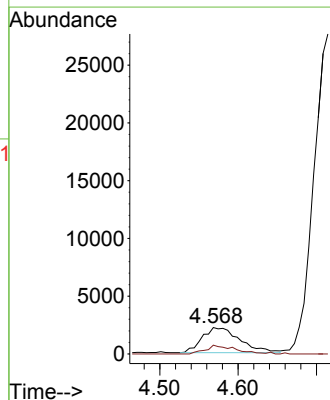
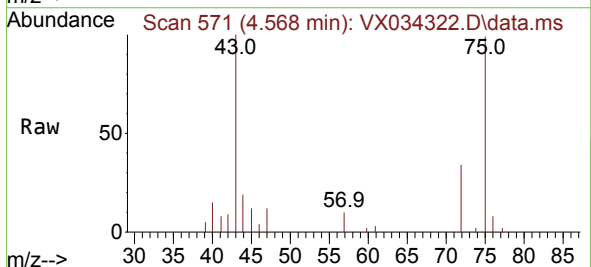
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#04

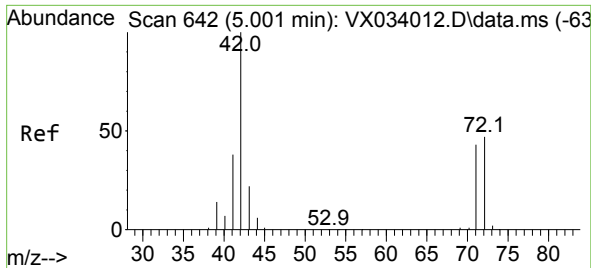
Tgt Ion:	84	Resp:	11255
Ion	Ratio	Lower	Upper
84	100		
49	132.2	101.1	151.7
51	37.5	31.0	46.6
86	70.0	52.6	79.0



#25
2-Butanone
Concen: 2.661 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.025 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

Tgt Ion:	43	Resp:	7298
Ion	Ratio	Lower	Upper
43	100		
72	35.2	19.4	29.2#

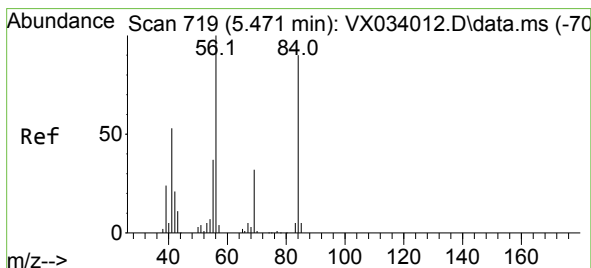
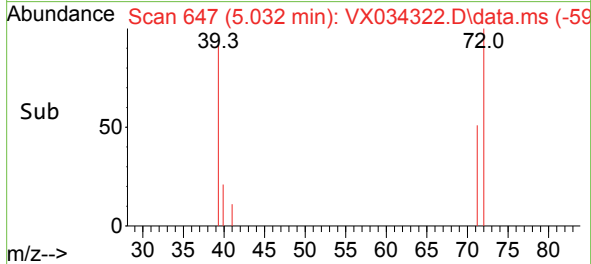
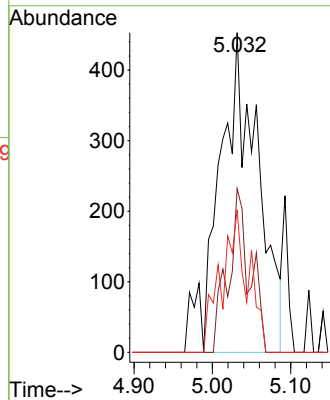
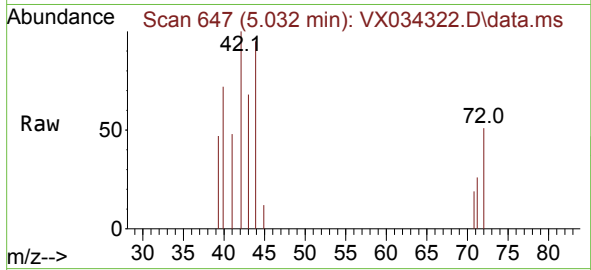




#29
Tetrahydrofuran
Concen: 0.922 ug/l
RT: 5.032 min Scan# 642
Delta R.T. 0.037 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

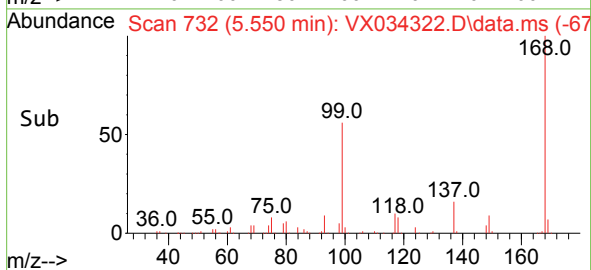
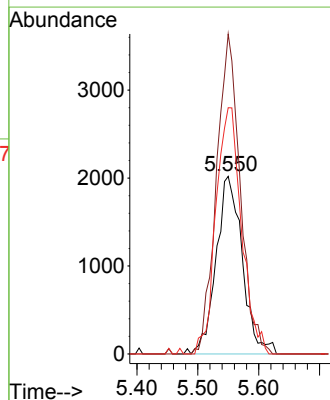
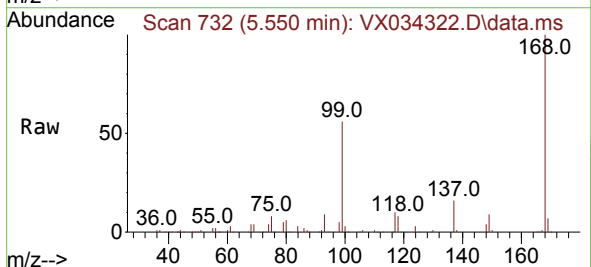
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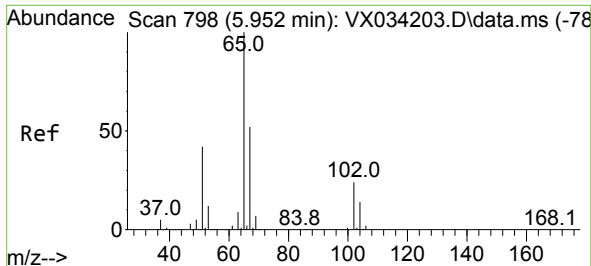
Tgt Ion: 42 Resp: 1543
Ion Ratio Lower Upper
42 100
72 28.8 34.8 52.2#
71 24.4 32.2 48.2#



#31
Cyclohexane
Concen: 1.098 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

Tgt Ion: 56 Resp: 6026
Ion Ratio Lower Upper
56 100
69 180.1 24.6 37.0#
84 138.6 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.743 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034322.D

Acq: 03 Mar 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

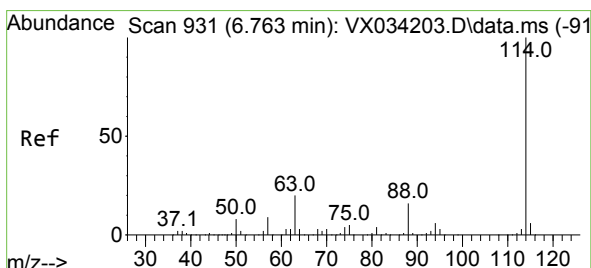
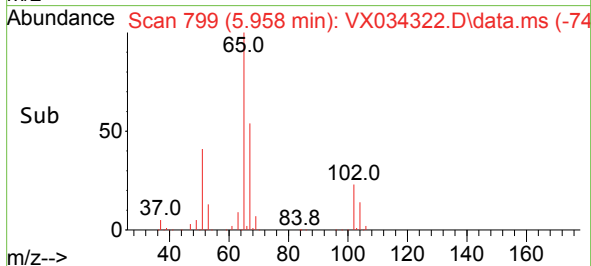
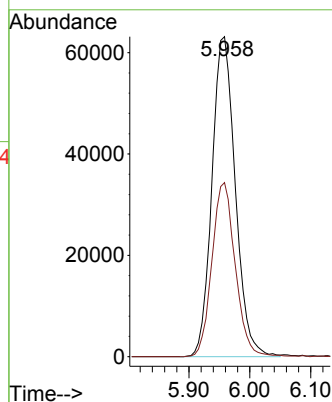
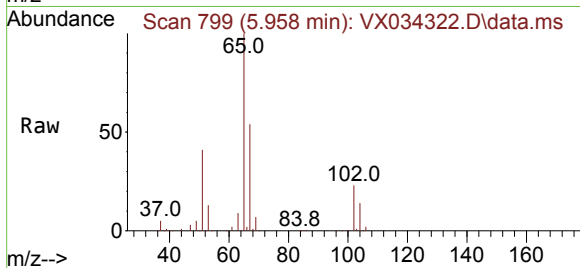
PB151167ZHE#04

Tgt Ion: 65 Resp: 168102

Ion Ratio Lower Upper

65 100

67 54.2 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: VX034322.D

Acq: 03 Mar 2023 15:00

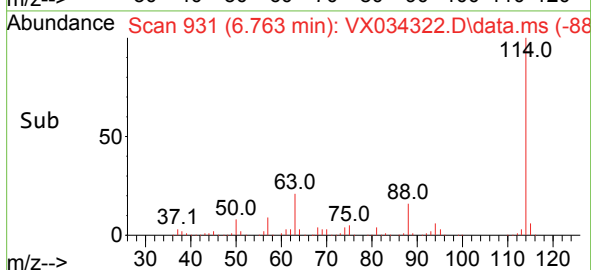
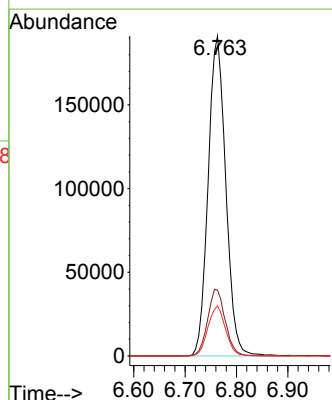
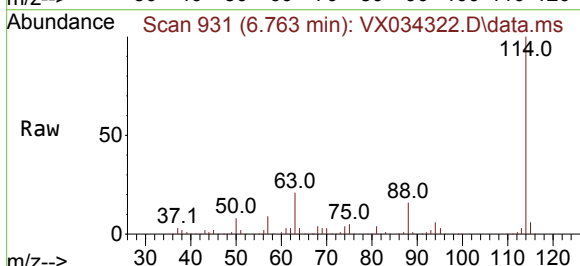
Tgt Ion: 114 Resp: 455017

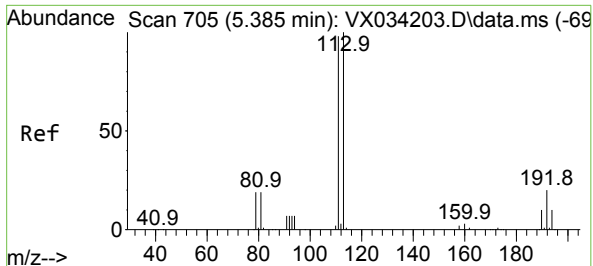
Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.777 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX034322.D

Acq: 03 Mar 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

PB151167ZHE#04

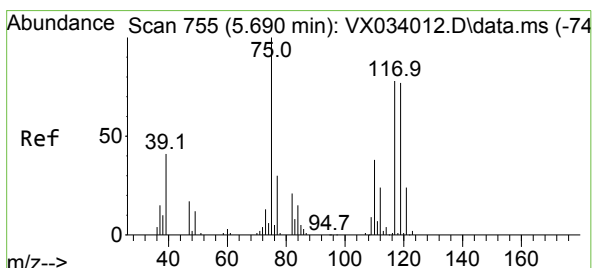
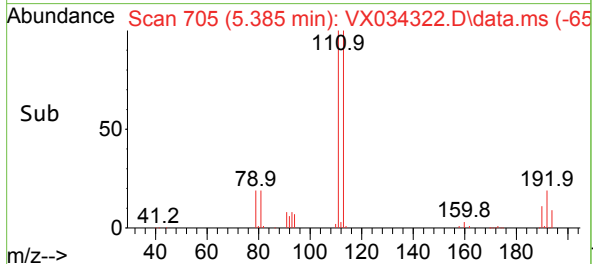
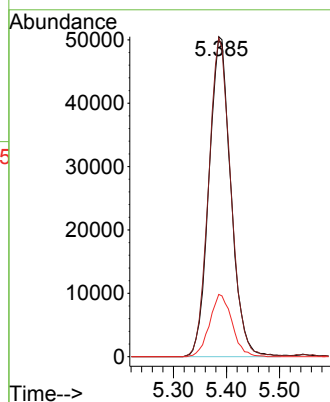
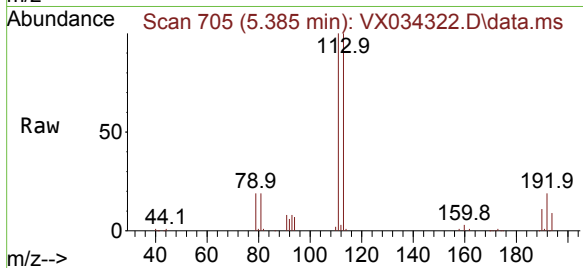
Tgt Ion:113 Resp: 144507

Ion Ratio Lower Upper

113 100

111 101.1 83.0 124.6

192 19.9 19.0 28.4



#36

1,1-Dichloropropene

Concen: 4.680 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX034322.D

Acq: 03 Mar 2023 15:00

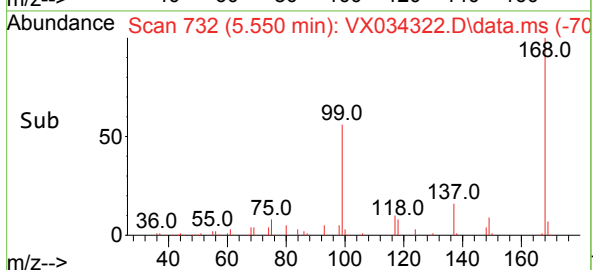
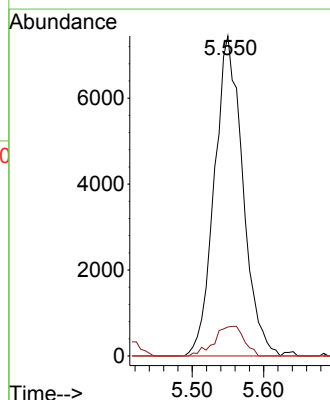
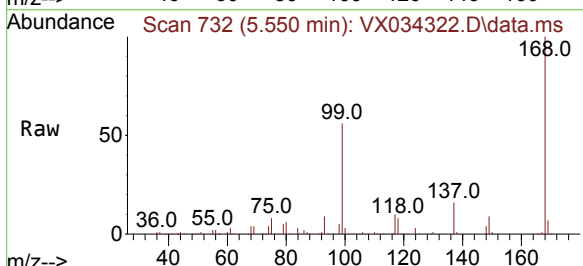
Tgt Ion: 75 Resp: 20507

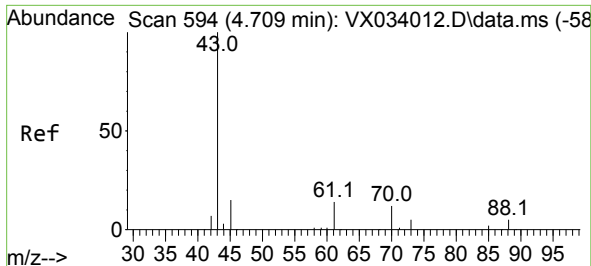
Ion Ratio Lower Upper

75 100

110 9.7 18.8 56.4#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 16.254 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX034322.D

Acq: 03 Mar 2023 15:00

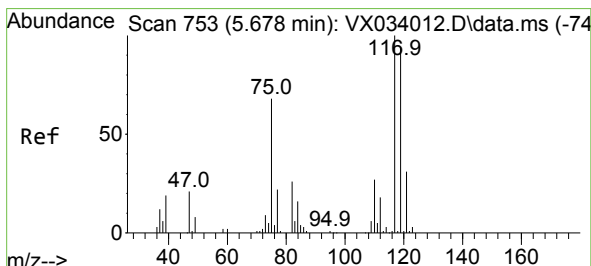
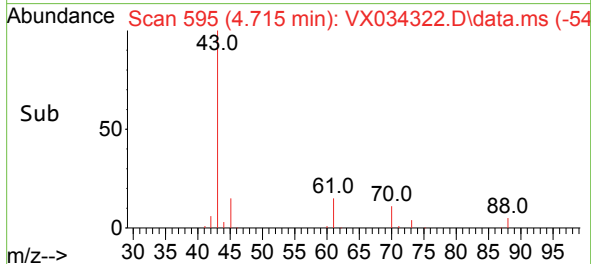
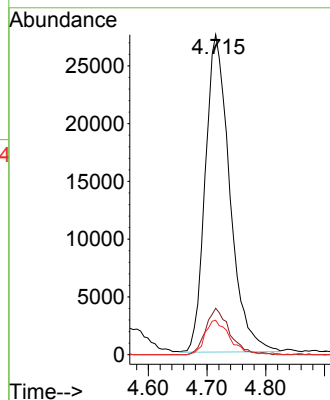
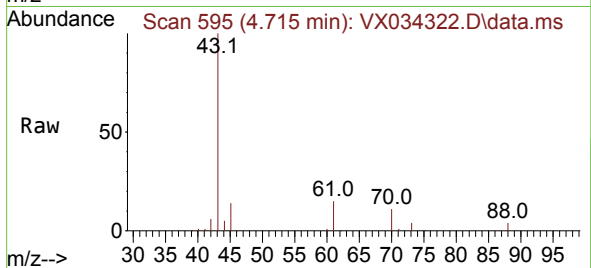
Instrument :

MSVOA_X

ClientSampleId :

PB151167ZHE#04

Tgt Ion: 43	Resp: 79588
Ion Ratio	Lower Upper
43 100	
61 14.3	11.1 16.7
70 11.0	8.5 12.7



#38

Carbon Tetrachloride

Concen: 5.704 ug/l

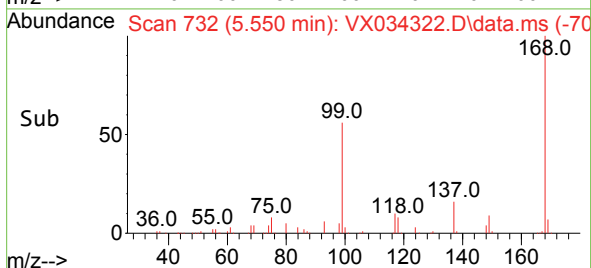
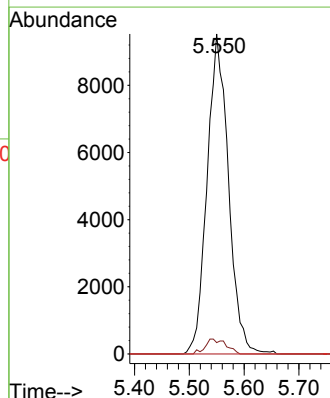
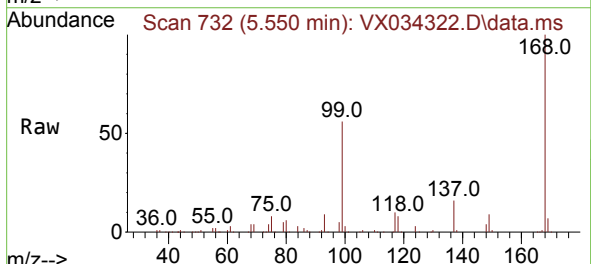
RT: 5.550 min Scan# 732

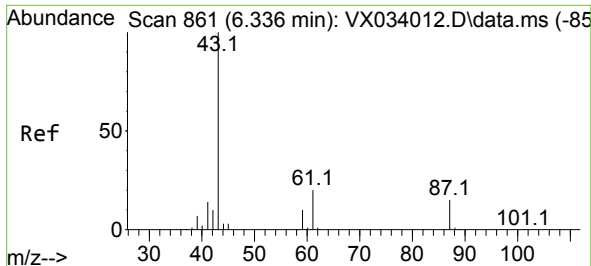
Delta R.T. -0.122 min

Lab File: VX034322.D

Acq: 03 Mar 2023 15:00

Tgt Ion: 117	Resp: 25718
Ion Ratio	Lower Upper
117 100	
119 3.5	78.0 117.0#
121 0.0	24.4 36.6#

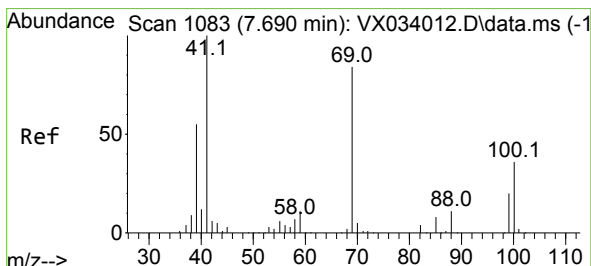
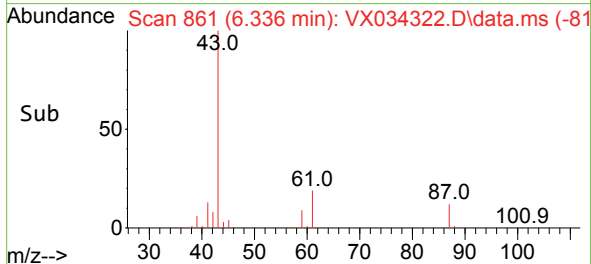
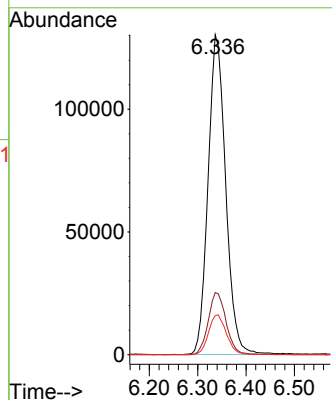
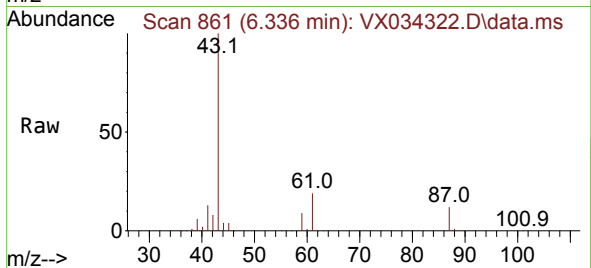




#43
Isopropyl Acetate
Concen: 38.184 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

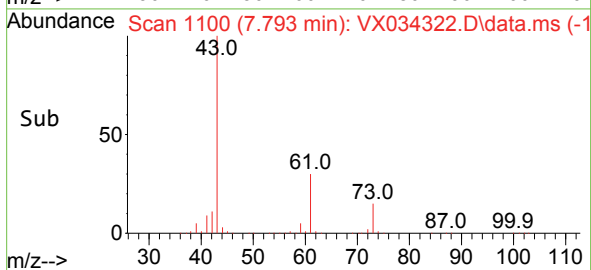
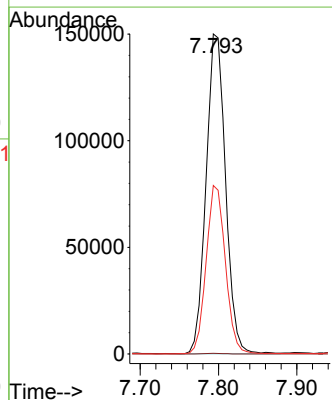
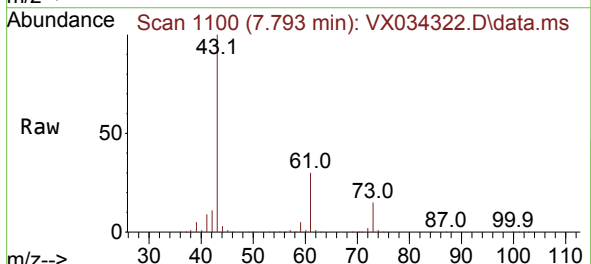
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#04

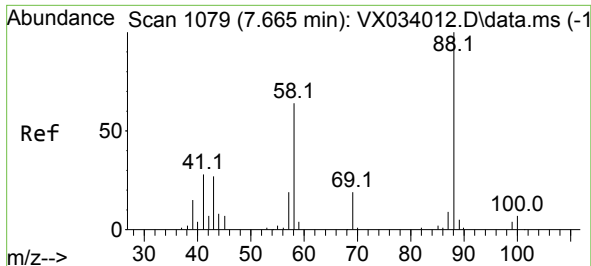
Tgt Ion: 43 Resp: 329940
Ion Ratio Lower Upper
43 100
61 19.7 15.7 23.5
87 12.6 10.6 15.8



#48
Methyl methacrylate
Concen: 63.201 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

Tgt Ion: 41 Resp: 259204
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 52.1 43.2 64.8





#49

1,4-Dioxane

Concen: 0.672 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.012 min

Lab File: VX034322.D

Acq: 03 Mar 2023 15:00

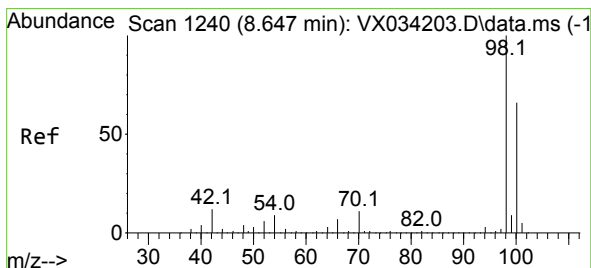
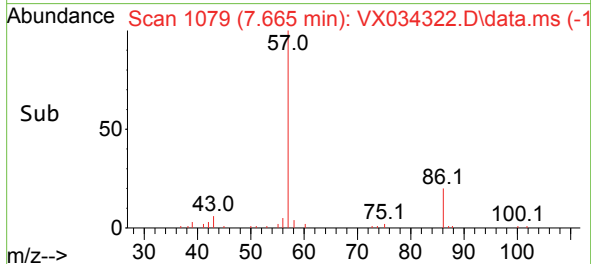
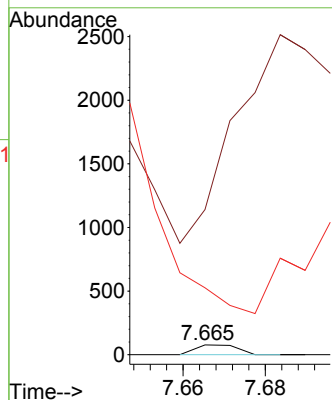
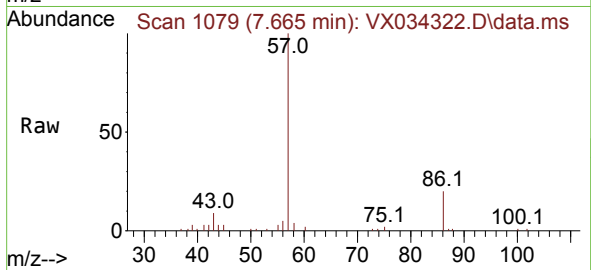
Instrument :

MSVOA_X

ClientSampleId :

PB151167ZHE#04

Tgt Ion: 88	Resp:	55
Ion Ratio	Lower	Upper
88	100	
43	0.0	0.0
58	0.0	56.5



#50

Toluene-d8

Concen: 52.464 ug/l

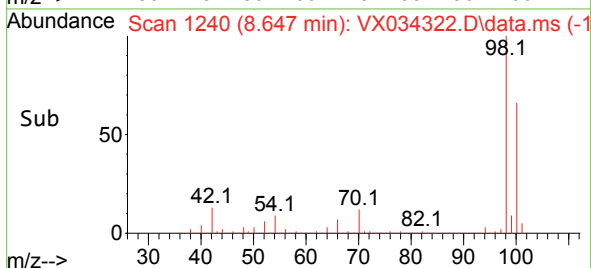
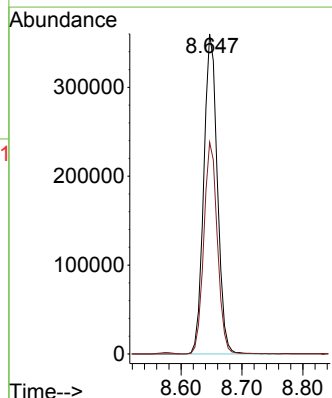
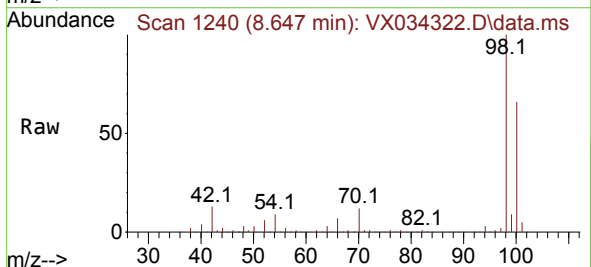
RT: 8.647 min Scan# 1240

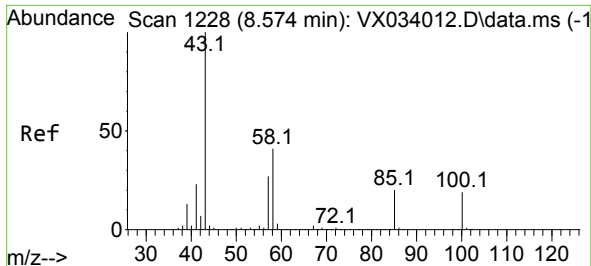
Delta R.T. 0.000 min

Lab File: VX034322.D

Acq: 03 Mar 2023 15:00

Tgt Ion: 98	Resp:	558045
Ion Ratio	Lower	Upper
98	100	
100	66.2	53.6

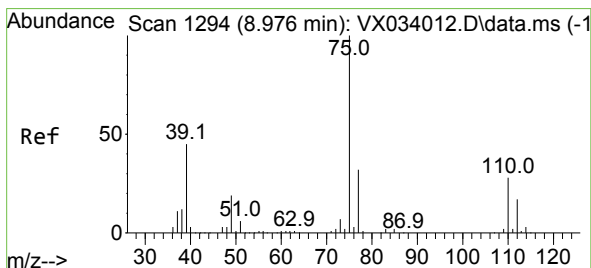
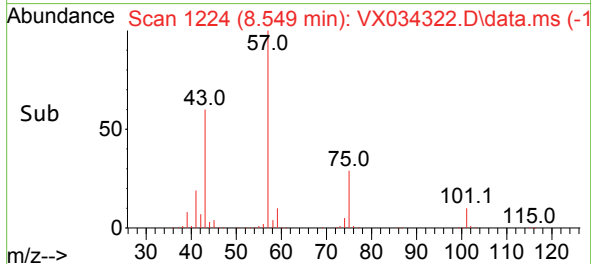
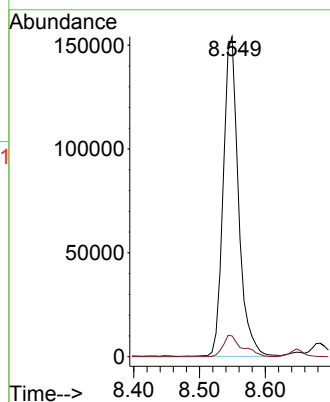
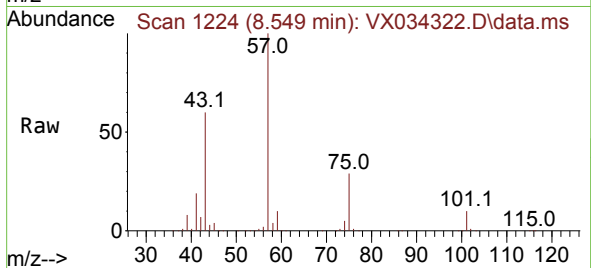




#51
4-Methyl-2-Pentanone
Concen: 52.254 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

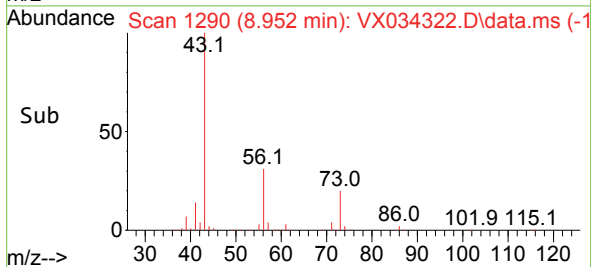
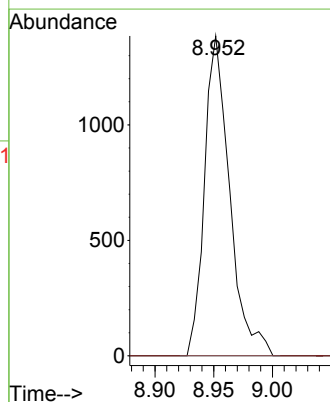
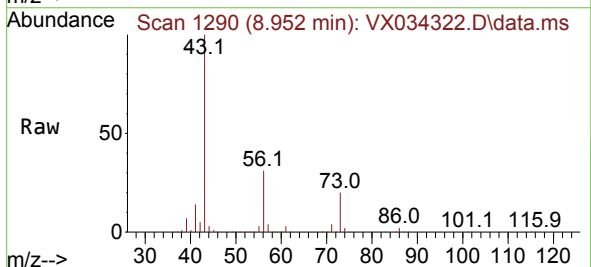
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#04

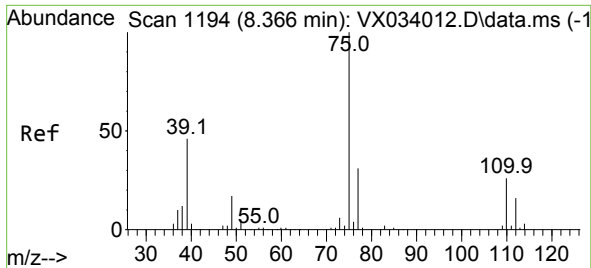
Tgt Ion: 43 Resp: 248417
Ion Ratio Lower Upper
43 100
58 8.4 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.384 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

Tgt Ion: 75 Resp: 2063
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

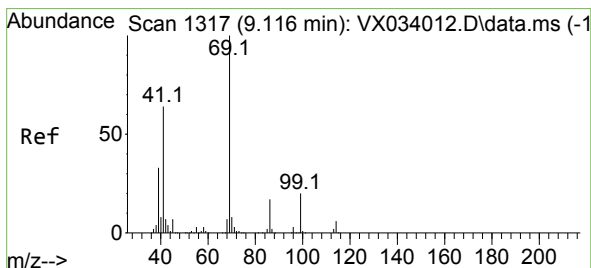
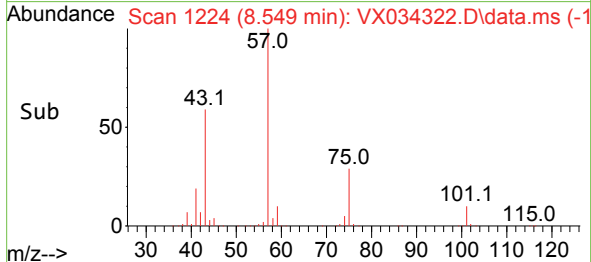
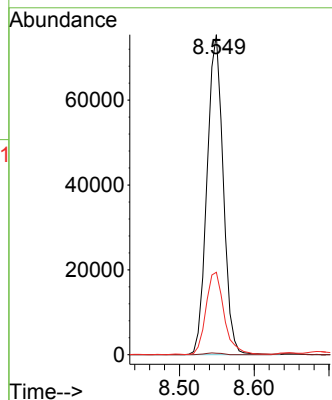
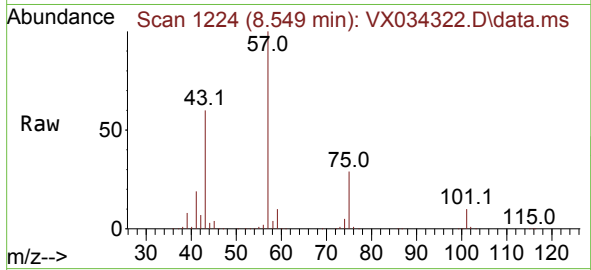




#54
 cis-1,3-Dichloropropene
 Concen: 19.712 ug/l
 RT: 8.549 min Scan# 11
 Delta R.T. 0.183 min
 Lab File: VX034322.D
 Acq: 03 Mar 2023 15:00

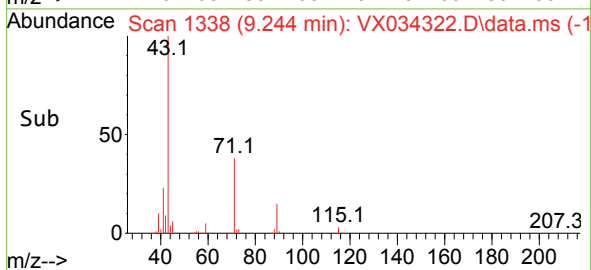
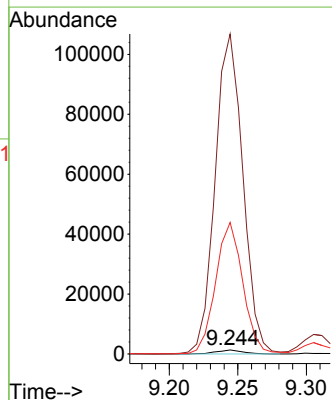
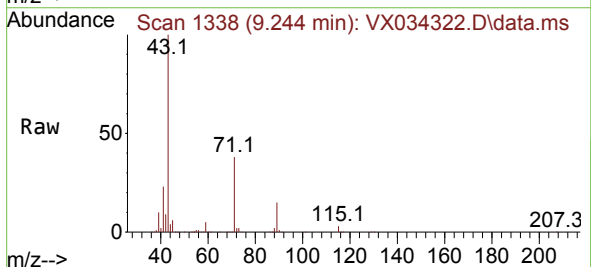
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151167ZHE#04

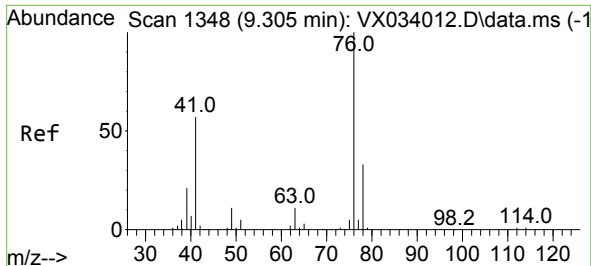
Tgt Ion: 75 Resp: 113398
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 25.6 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.328 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX034322.D
 Acq: 03 Mar 2023 15:00

Tgt Ion: 69 Resp: 1761
 Ion Ratio Lower Upper
 69 100
 41 8557.9 55.1 82.7#
 39 3440.5 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 2.576 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034322.D

Acq: 03 Mar 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

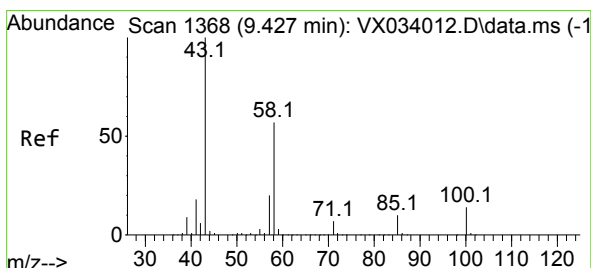
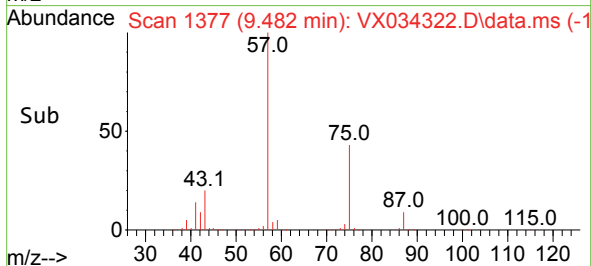
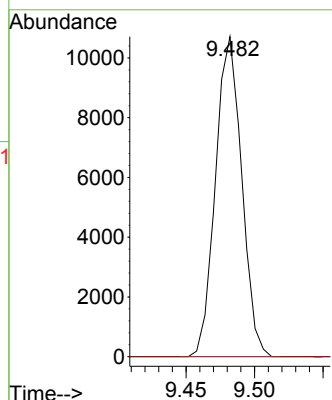
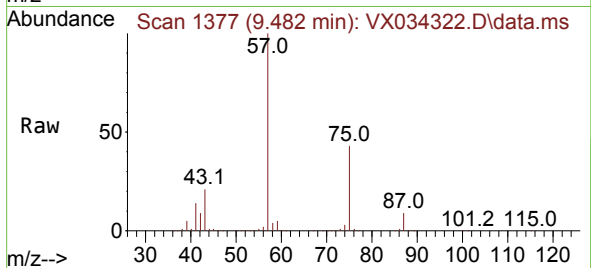
PB151167ZHE#04

Tgt Ion: 76 Resp: 14234

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 54.110 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034322.D

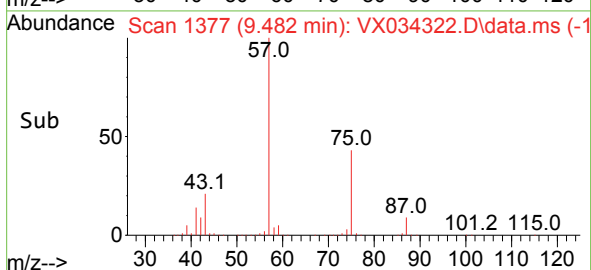
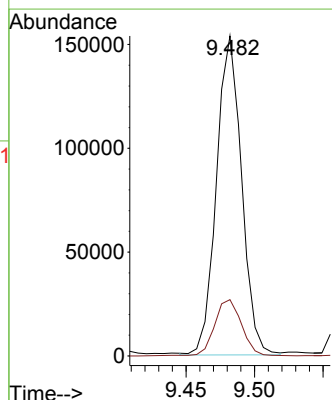
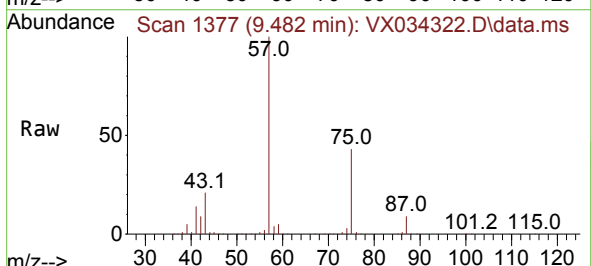
Acq: 03 Mar 2023 15:00

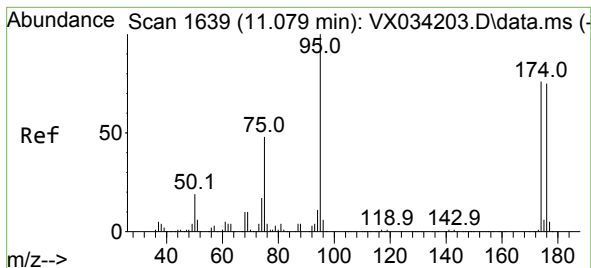
Tgt Ion: 43 Resp: 196046

Ion Ratio Lower Upper

43 100

58 19.1 27.4 82.0#

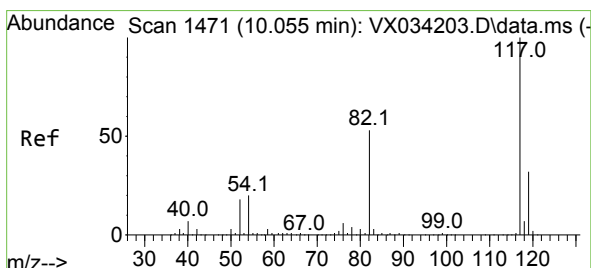
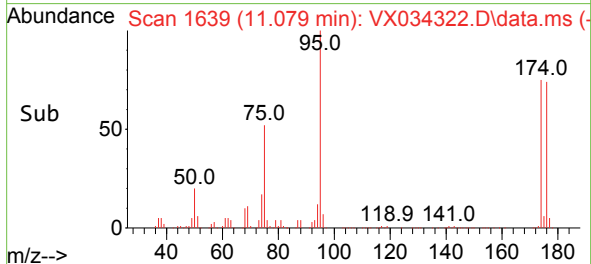
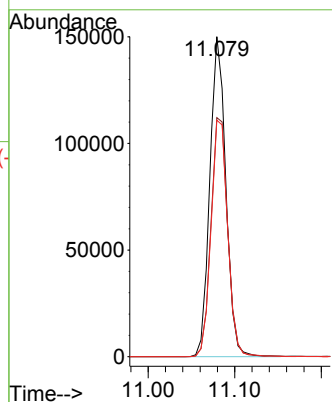
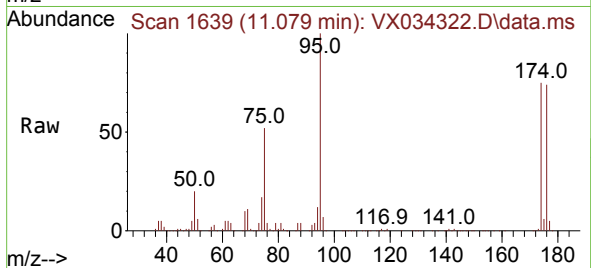




#62
4-Bromofluorobenzene
Concen: 47.328 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

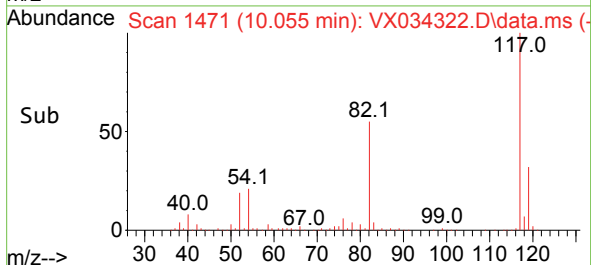
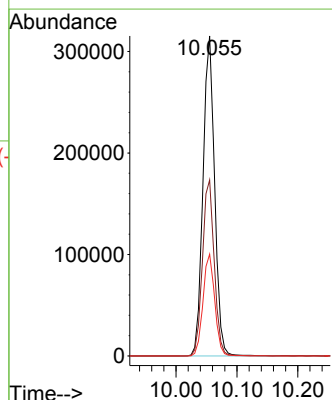
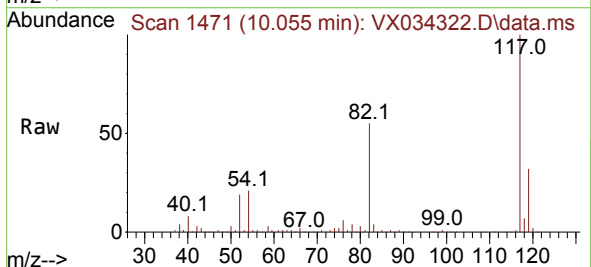
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#04

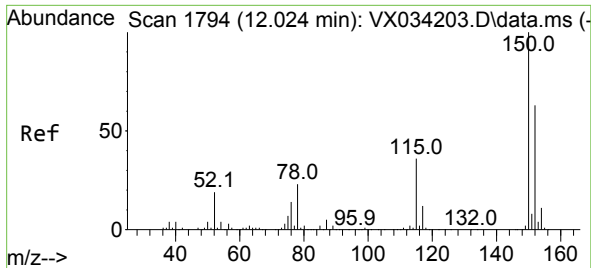
Tgt Ion: 95 Resp: 192560
Ion Ratio Lower Upper
95 100
174 78.0 0.0 184.4
176 76.9 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

Tgt Ion: 117 Resp: 418994
Ion Ratio Lower Upper
117 100
82 55.0 40.6 60.8
119 31.8 25.6 38.4

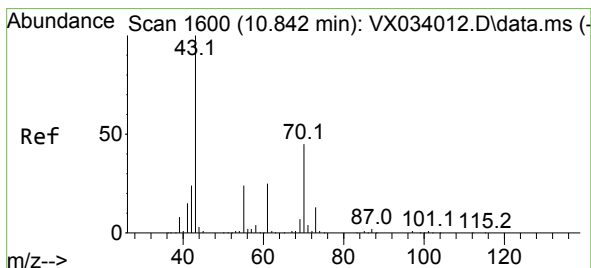
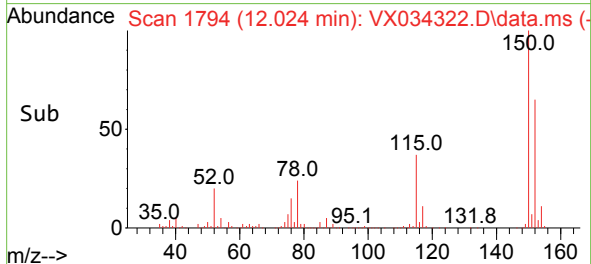
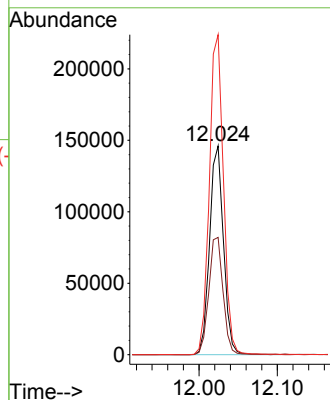
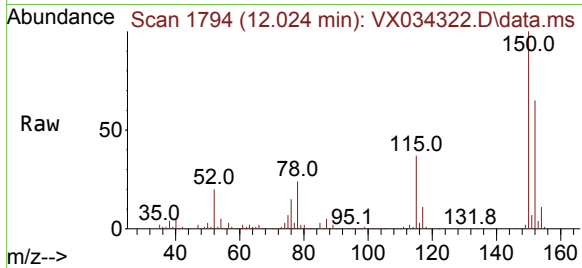




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

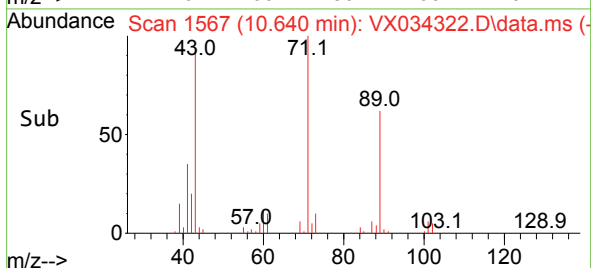
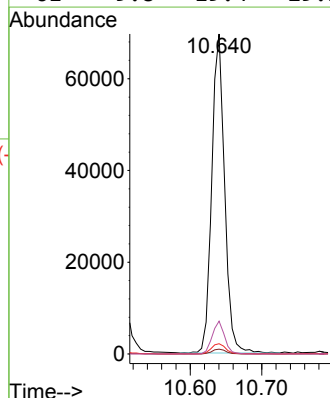
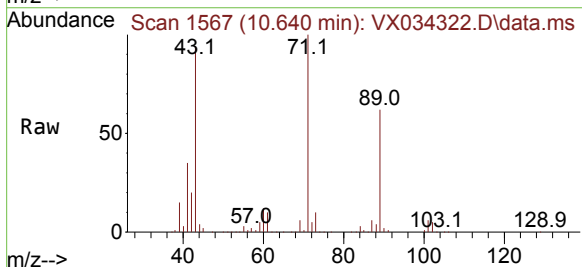
Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#04

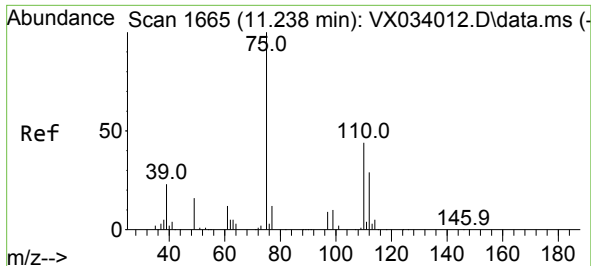
Tgt Ion:152 Resp: 179536
Ion Ratio Lower Upper
152 100
115 57.7 38.7 116.1
150 155.6 0.0 348.2



#74
N-ethyl acetate
Concen: 12.644 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

Tgt Ion: 43 Resp: 86915
Ion Ratio Lower Upper
43 100
70 1.6 34.8 52.2#
55 3.7 19.4 29.0#
61 9.8 19.4 29.2#

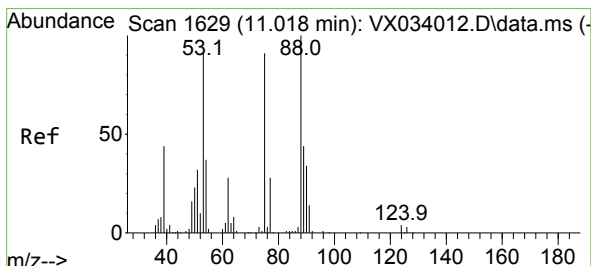
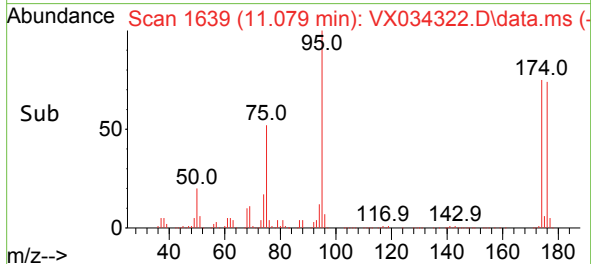
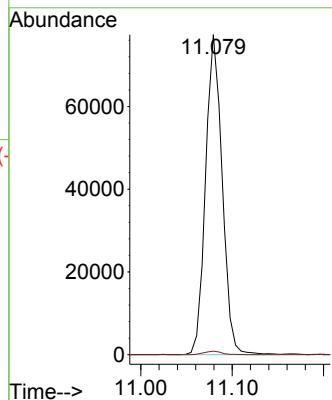
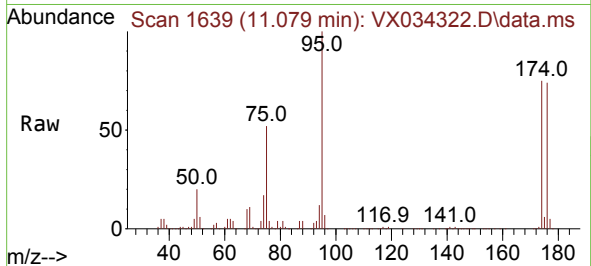




#76
1,2,3-Trichloropropane
Concen: 21.557 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

Instrument :
MSVOA_X
ClientSampleId :
PB151167ZHE#04

Tgt Ion: 75 Resp: 97385
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.377 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034322.D
Acq: 03 Mar 2023 15:00

Tgt Ion: 75 Resp: 97385
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

