

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036401.D
 Acq On : 05 Jul 2023 14:08
 Operator : JC/MD
 Sample : PB153983ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#02

Quant Time: Jul 06 04:50:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

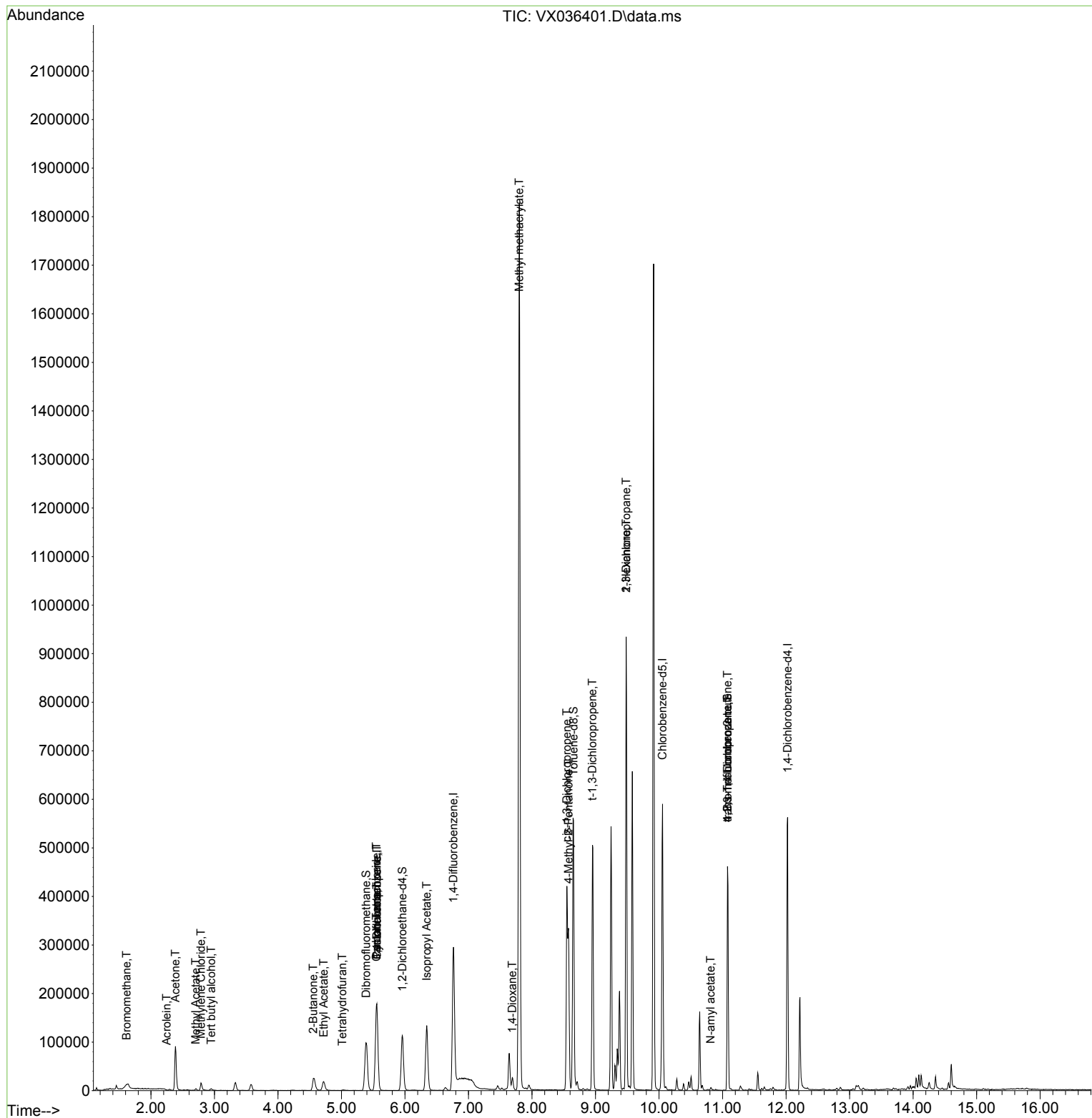
Internal Standards						
1) Pentafluorobenzene	5.556	168	167305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	287103	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	108180	45.109	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.220%		
35) Dibromofluoromethane	5.385	113	90400	47.753	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.500%		
50) Toluene-d8	8.652	98	339761	48.052	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.100%		
62) 4-Bromofluorobenzene	11.079	95	121105	48.626	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.260%		
Target Compounds					Qvalue	
5) Bromomethane	1.617	94	575	0.262	ug/l	96
11) Tert butyl alcohol	2.946	59	2398	5.493	ug/l #	78
13) Acrolein	2.245	56	142	0.237	ug/l #	14
16) Acetone	2.385	43	101909	99.418	ug/l	94
18) Methyl Acetate	2.702	43	3881	0.921	ug/l	99
20) Methylene Chloride	2.788	84	7222	3.272	ug/l	86
25) 2-Butanone	4.556	43	45022	30.569	ug/l	98
29) Tetrahydrofuran	5.013	42	449	0.479	ug/l #	67
31) Cyclohexane	5.556	56	3674	1.195	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13596	4.818	ug/l #	52
37) Ethyl Acetate	4.720	43	31898	11.091	ug/l	97
38) Carbon Tetrachloride	5.549	117	17505	6.792	ug/l #	16
43) Isopropyl Acetate	6.342	43	179279	39.074	ug/l	98
48) Methyl methacrylate	7.799	41	150727	65.887	ug/l #	48
49) 1,4-Dioxane	7.689	88	33	0.651	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	307404	103.994	ug/l #	79
53) t-1,3-Dichloropropene	8.951	75	1259	0.456	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	61792	19.801	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	8158	2.293	ug/l #	42
59) 2-Hexanone	9.482	43	106743	49.450	ug/l #	53
74) N-amyl acetate	10.811	43	1525	0.433	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	64546	25.586	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	64546	83.404	ug/l #	5

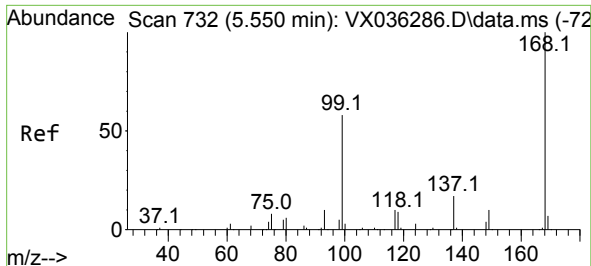
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
Data File : VX036401.D
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Sample : PB153983ZHE#02
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Jul 06 04:50:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

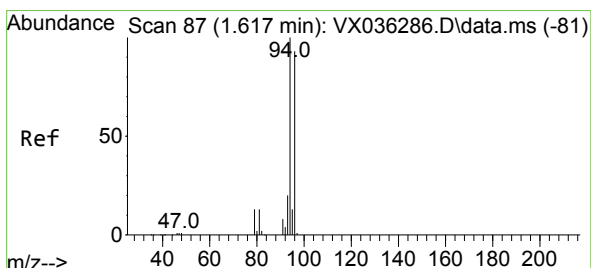
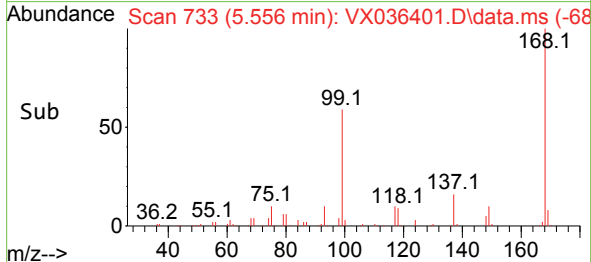
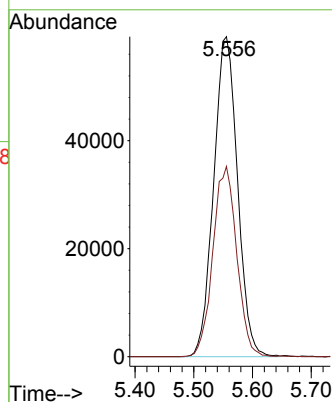
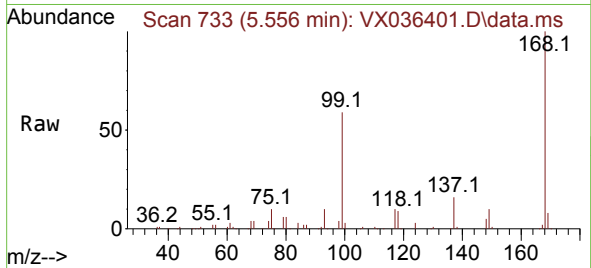




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

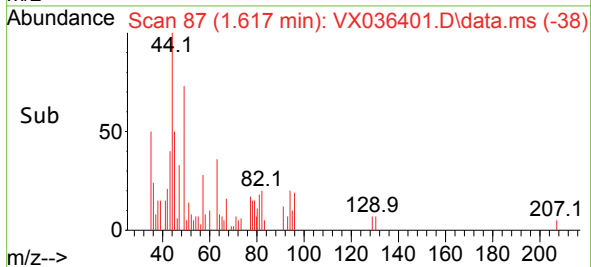
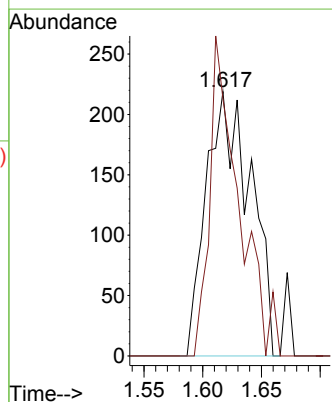
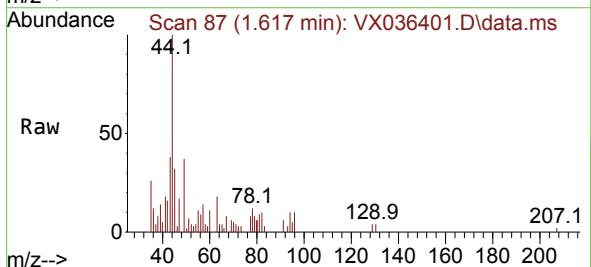
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#02

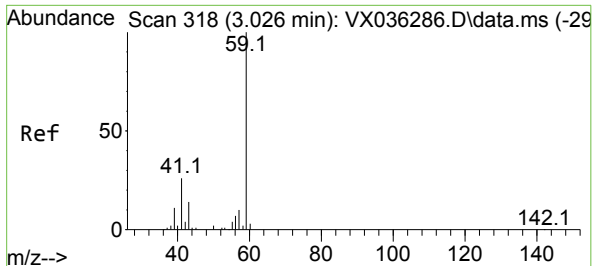
Tgt Ion:168 Resp: 167305
Ion Ratio Lower Upper
168 100
99 59.4 56.6 85.0



#5
Bromomethane
Concen: 0.262 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.000 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

Tgt Ion: 94 Resp: 575
Ion Ratio Lower Upper
94 100
96 97.3 74.6 111.8





#11

Tert butyl alcohol

Concen: 5.493 ug/l

RT: 2.946 min Scan# 30

Delta R.T. -0.067 min

Lab File: VX036401.D

Acq: 05 Jul 2023 14:08

Instrument :

MSVOA_X

ClientSampleId :

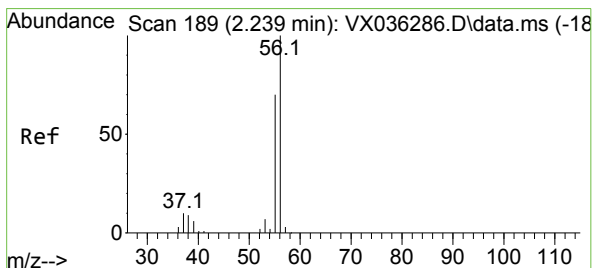
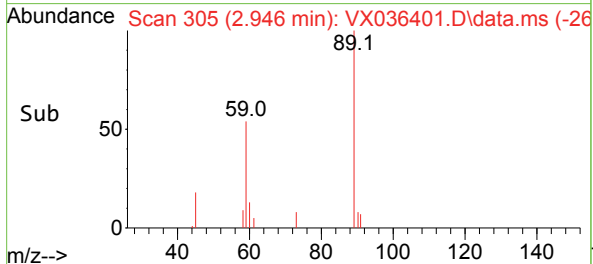
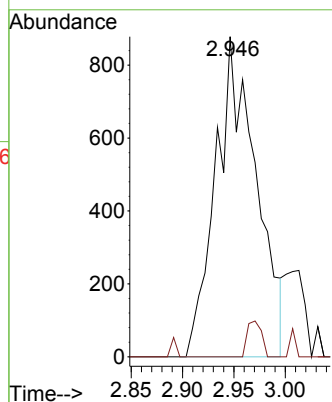
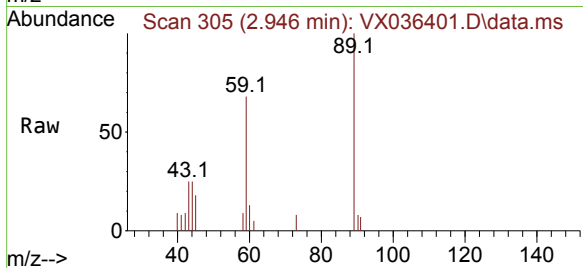
PB153983ZHE#02

Tgt Ion: 59 Resp: 2398

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.237 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX036401.D

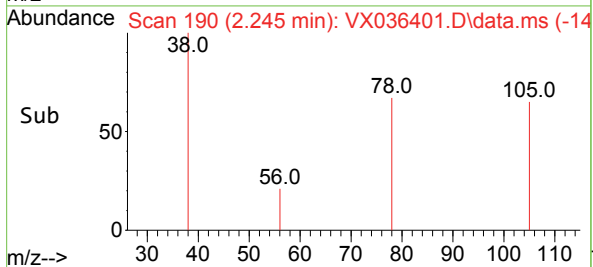
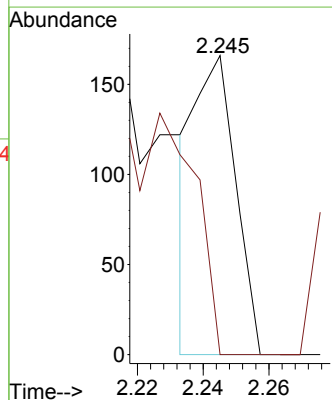
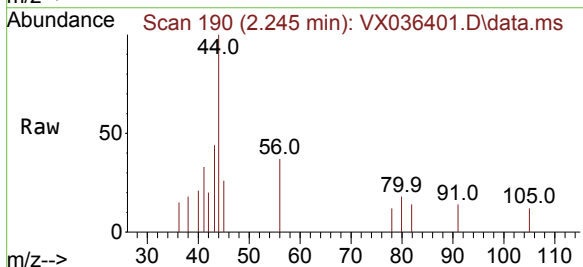
Acq: 05 Jul 2023 14:08

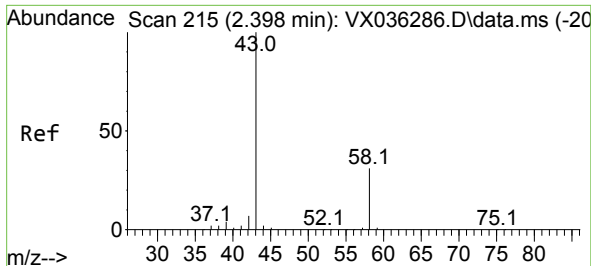
Tgt Ion: 56 Resp: 142

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

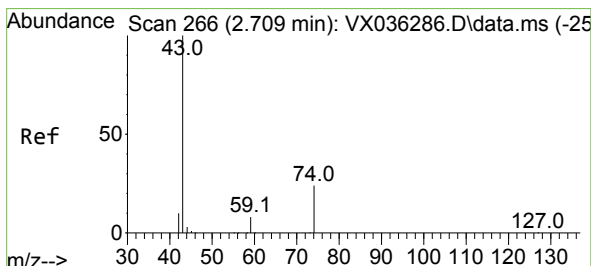
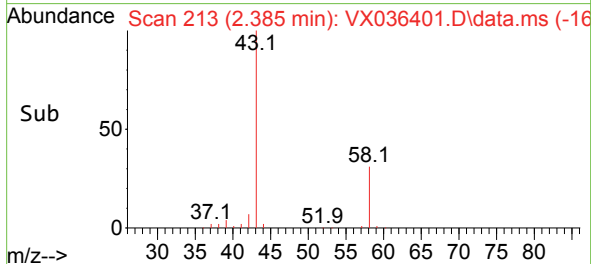
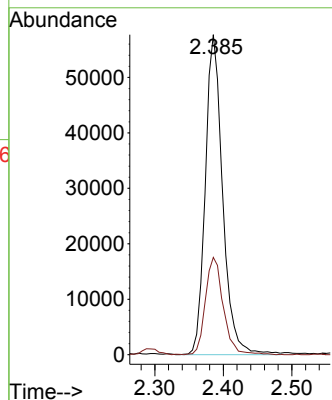
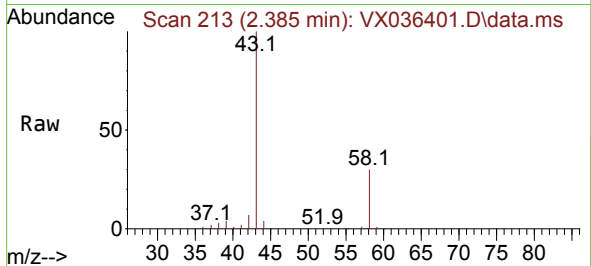




#16
Acetone
Concen: 99.418 ug/l
RT: 2.385 min Scan# 215
Delta R.T. -0.019 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

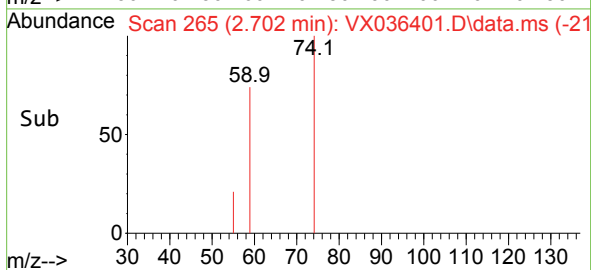
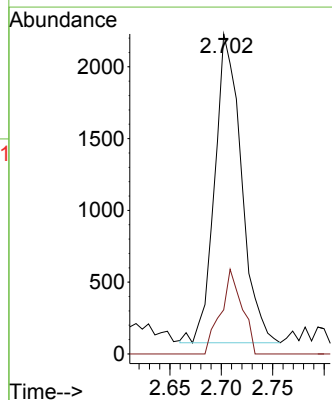
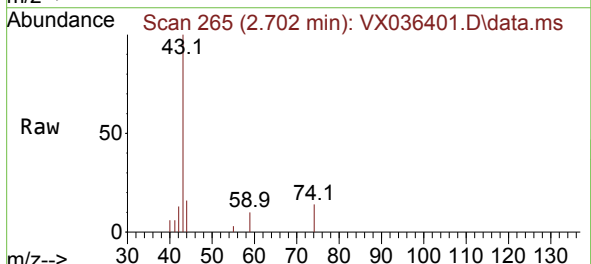
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#02

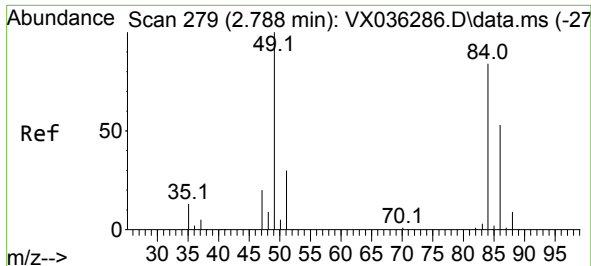
Tgt Ion: 43 Resp: 101909
Ion Ratio Lower Upper
43 100
58 30.3 21.9 32.9



#18
Methyl Acetate
Concen: 0.921 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.007 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

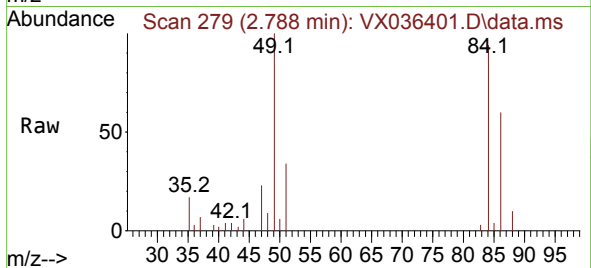
Tgt Ion: 43 Resp: 3881
Ion Ratio Lower Upper
43 100
74 21.7 17.8 26.8



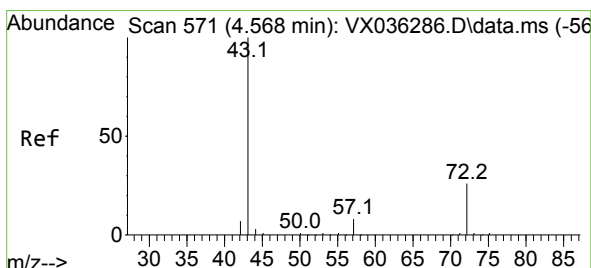
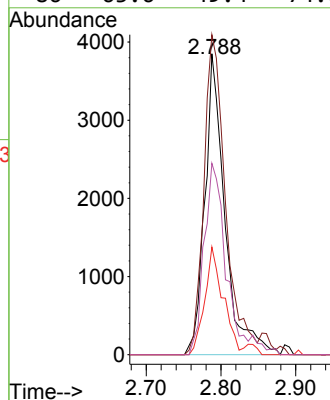
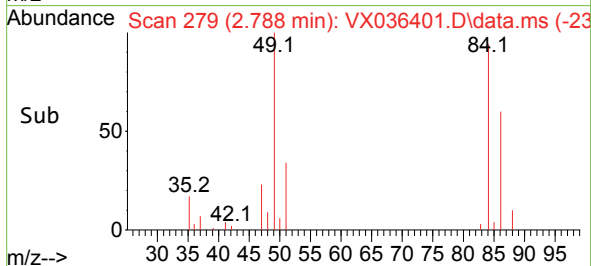


#20
Methylene Chloride
Concen: 3.272 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#02

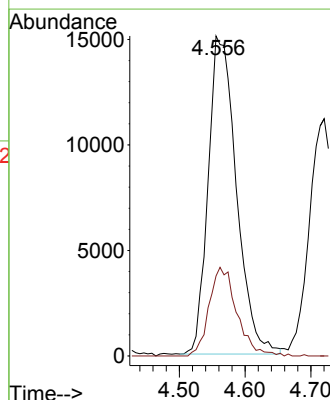
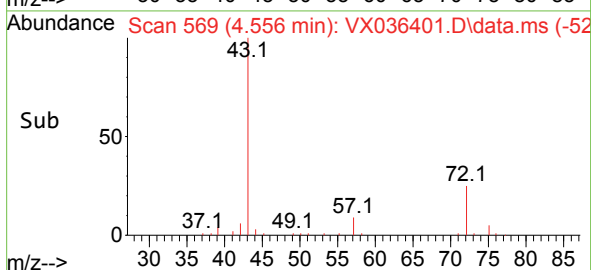
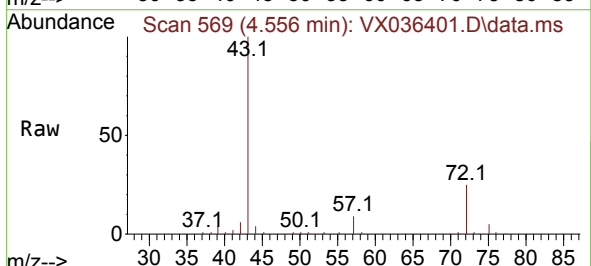


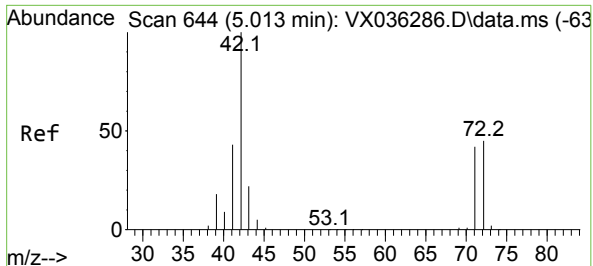
Tgt Ion: 84	Resp: 7222		
Ion	Ratio	Lower	Upper
84	100		
49	106.3	103.6	155.4
51	35.7	33.8	50.6
86	63.6	49.4	74.0



#25
2-Butanone
Concen: 30.569 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.012 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

Tgt Ion: 43	Resp: 45022
Ion Ratio	Lower Upper
43 100	
72 25.2	19.4 29.2





#29

Tetrahydrofuran

Concen: 0.479 ug/l

RT: 5.013 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX036401.D

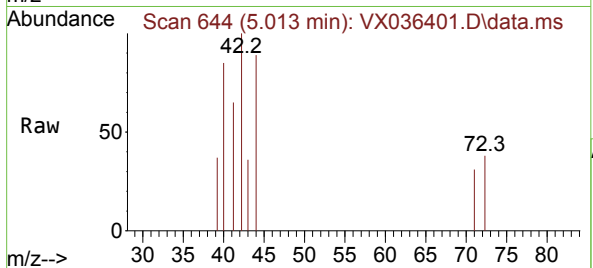
Acq: 05 Jul 2023 14:08

Instrument :

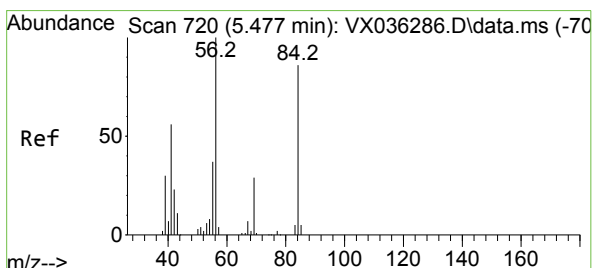
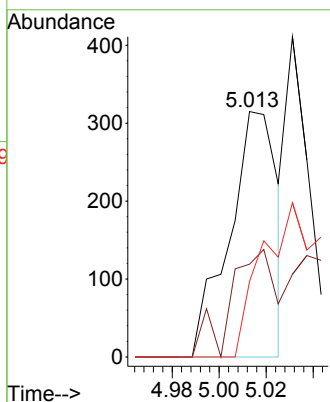
MSVOA_X

ClientSampleId :

PB153983ZHE#02



Tgt Ion:	42	Resp:	449
Ion	Ratio	Lower	Upper
42	100		
72	40.8	34.2	51.4
71	0.0	32.2	48.2#



#31

Cyclohexane

Concen: 1.195 ug/l

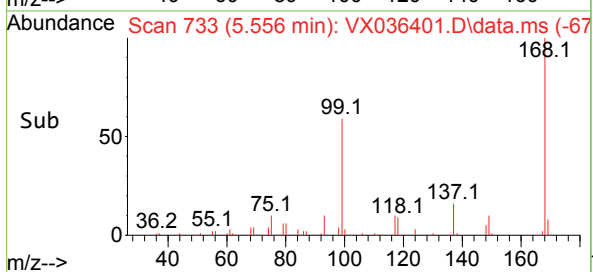
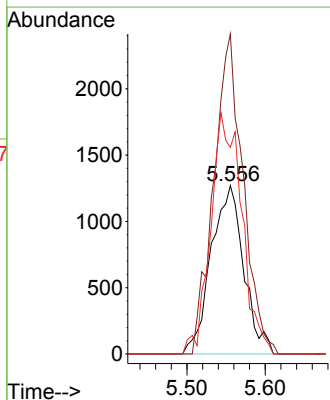
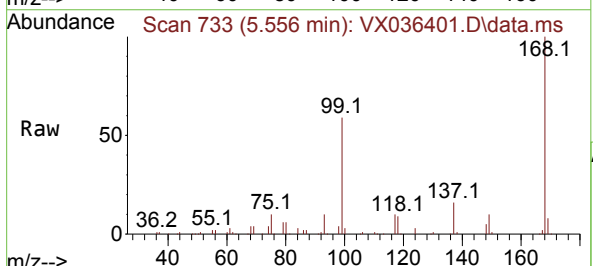
RT: 5.556 min Scan# 733

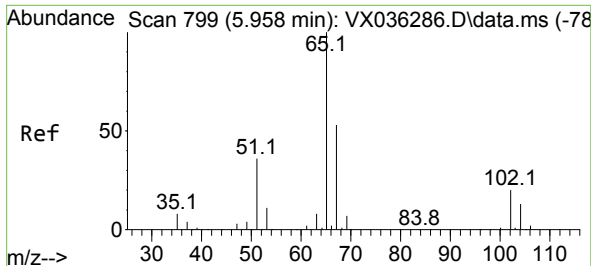
Delta R.T. 0.086 min

Lab File: VX036401.D

Acq: 05 Jul 2023 14:08

Tgt Ion:	56	Resp:	3674
Ion	Ratio	Lower	Upper
56	100		
69	190.1	23.4	35.2#
84	122.8	65.9	98.9#

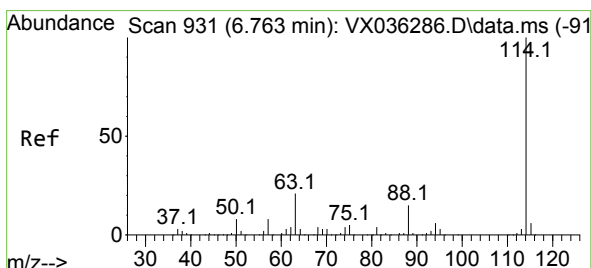
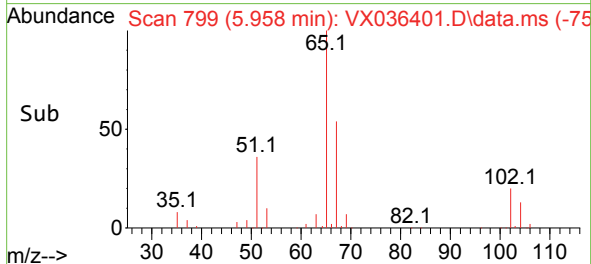
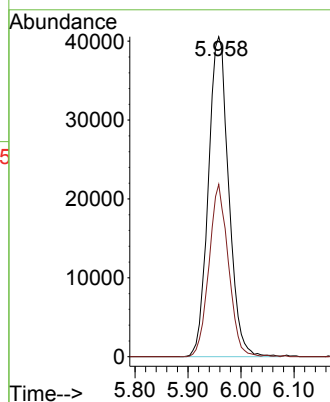
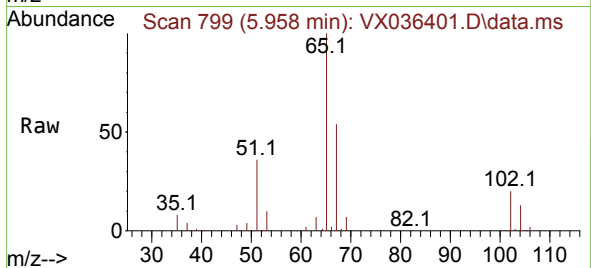




#33
 1,2-Dichloroethane-d4
 Concen: 45.109 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX036401.D
 Acq: 05 Jul 2023 14:08

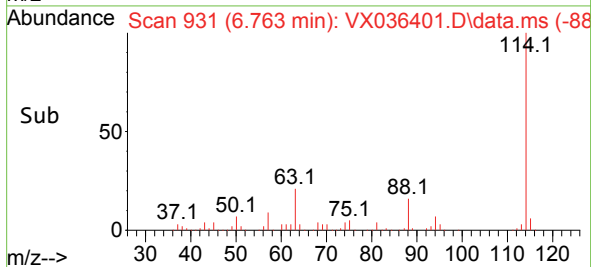
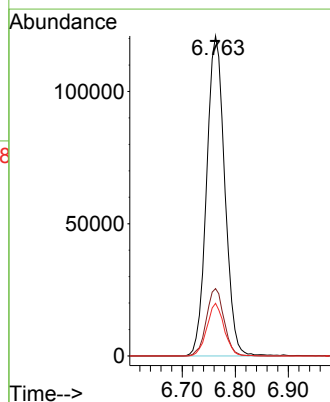
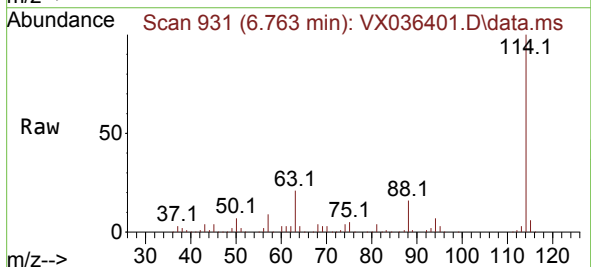
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 MSVOA_X
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 PB153983ZHE#02

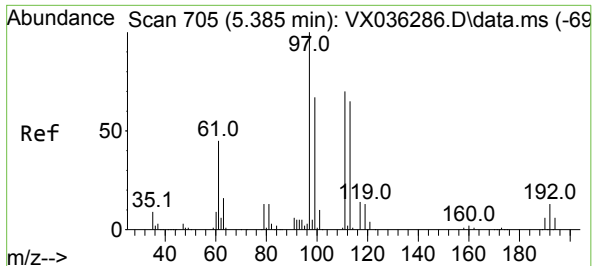
Tgt Ion: 65 Resp: 108180
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX036401.D
 Acq: 05 Jul 2023 14:08

Tgt Ion: 114 Resp: 287103
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.0
 88 16.4 0.0 36.6

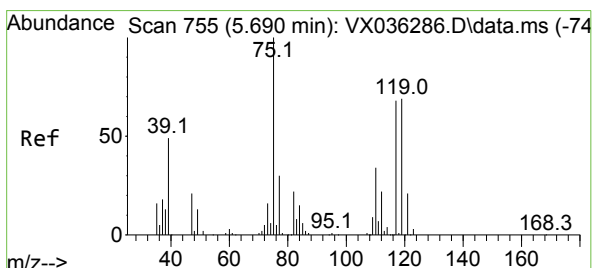
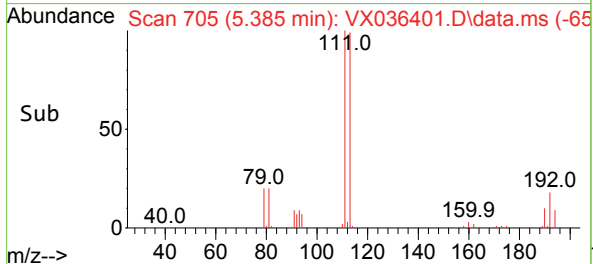
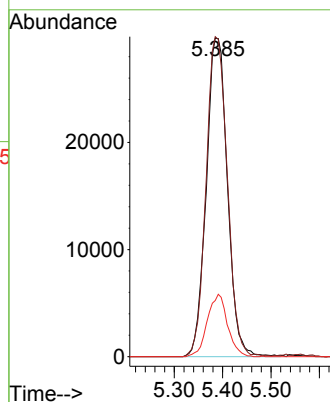
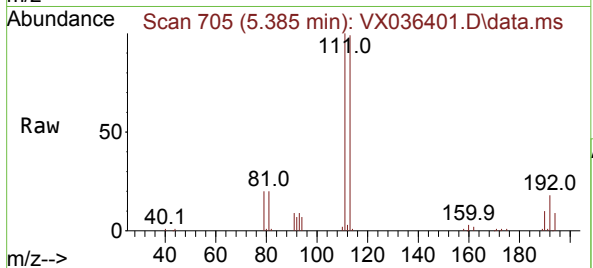




#35
Dibromofluoromethane
Concen: 47.753 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

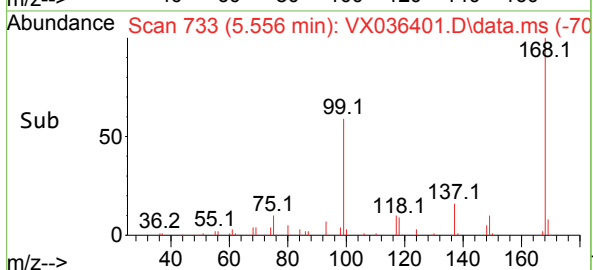
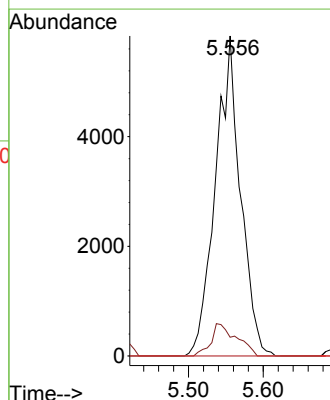
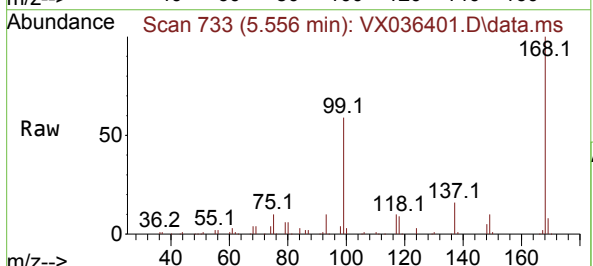
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#02

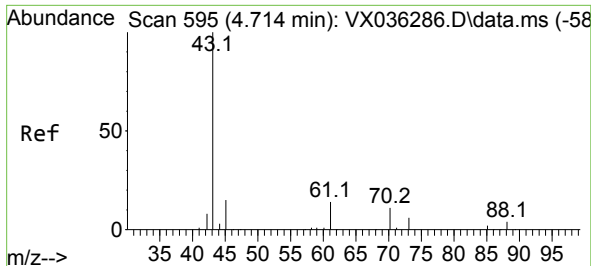
Tgt Ion:113 Resp: 90400
Ion Ratio Lower Upper
113 100
111 100.8 82.9 124.3
192 18.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.818 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

Tgt Ion: 75 Resp: 13596
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 11.091 ug/l

RT: 4.720 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX036401.D

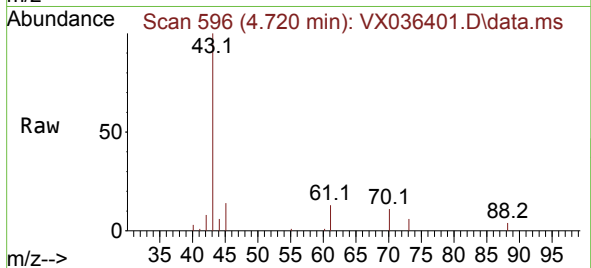
Acq: 05 Jul 2023 14:08

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#02



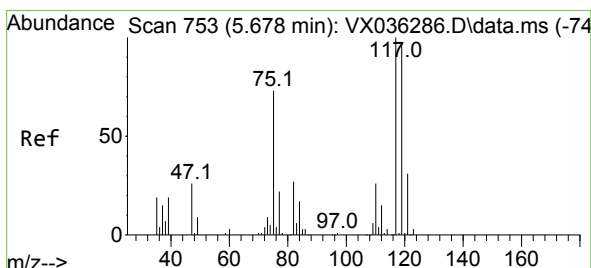
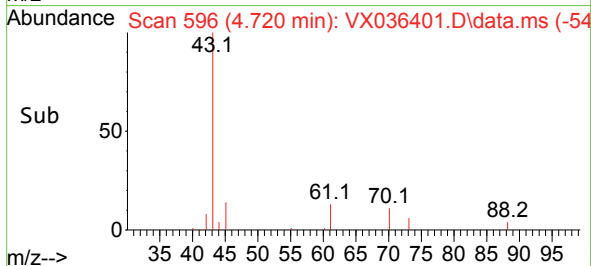
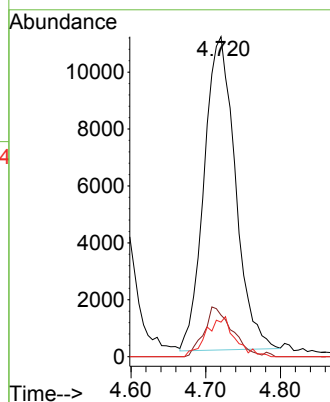
Tgt Ion: 43 Resp: 31898

Ion Ratio Lower Upper

43 100

61 14.3 10.6 16.0

70 11.7 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.792 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.129 min

Lab File: VX036401.D

Acq: 05 Jul 2023 14:08

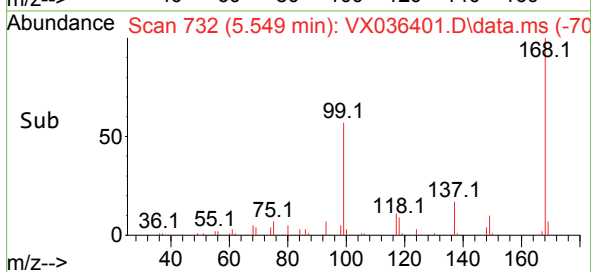
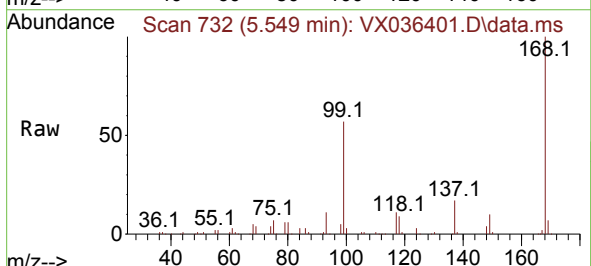
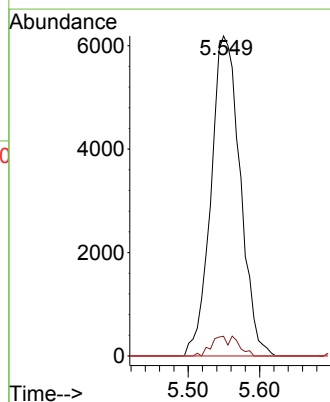
Tgt Ion: 117 Resp: 17505

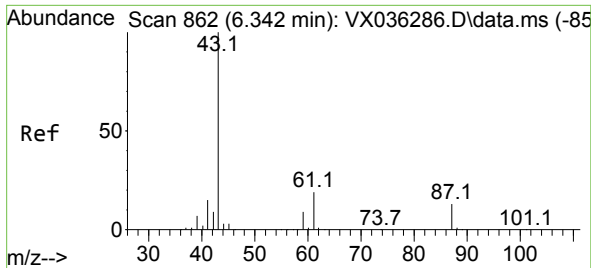
Ion Ratio Lower Upper

117 100

119 6.1 78.2 117.2#

121 0.0 24.4 36.6#

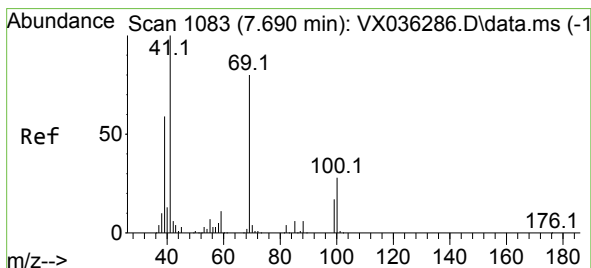
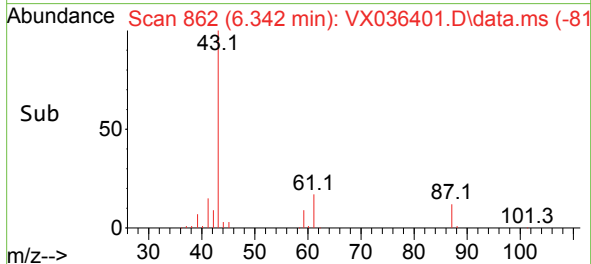
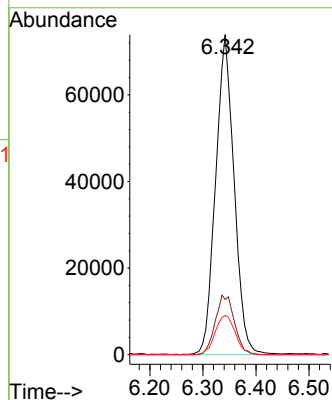
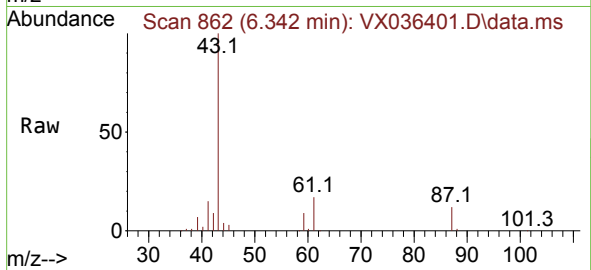




#43
Isopropyl Acetate
Concen: 39.074 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

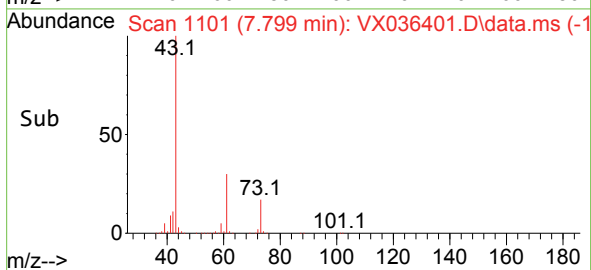
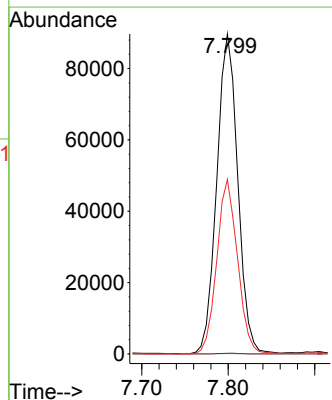
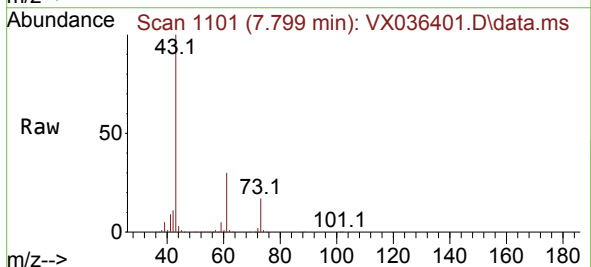
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#02

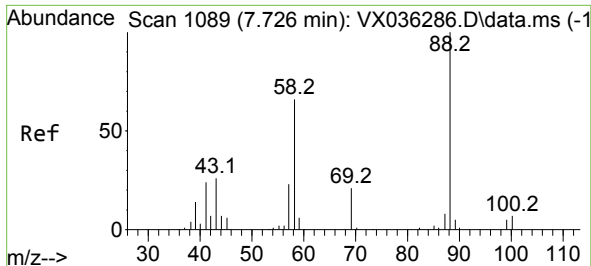
Tgt Ion: 43 Resp: 179279
Ion Ratio Lower Upper
43 100
61 19.3 15.2 22.8
87 13.4 9.8 14.6



#48
Methyl methacrylate
Concen: 65.887 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

Tgt Ion: 41 Resp: 150727
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.1 47.7 71.5

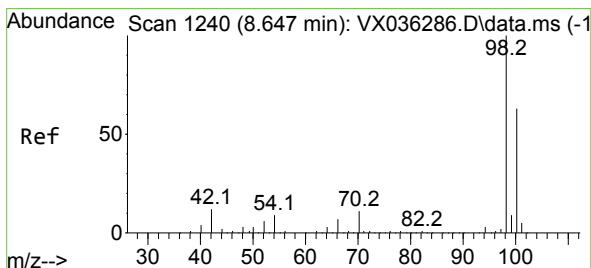
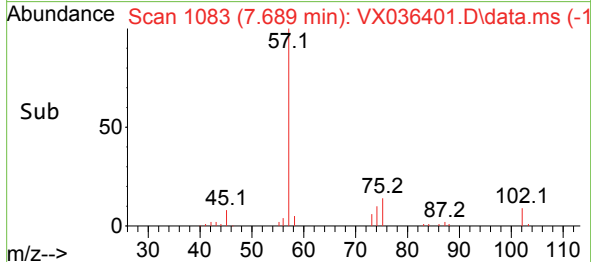
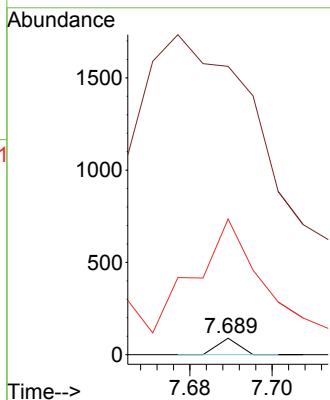
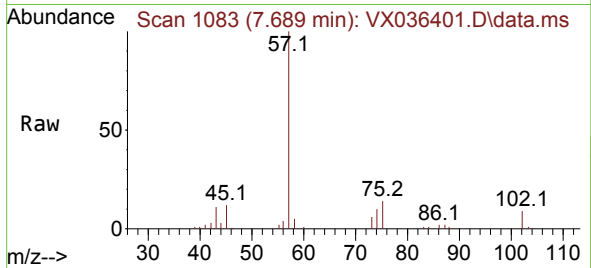




#49
1,4-Dioxane
Concen: 0.651 ug/l
RT: 7.689 min Scan# 1089
Delta R.T. -0.043 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

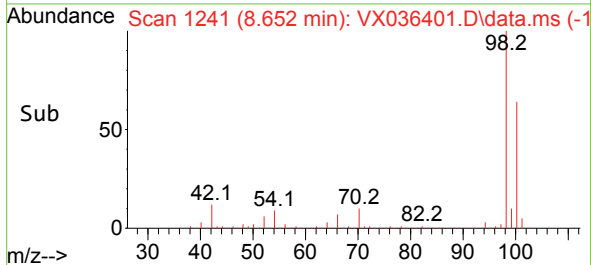
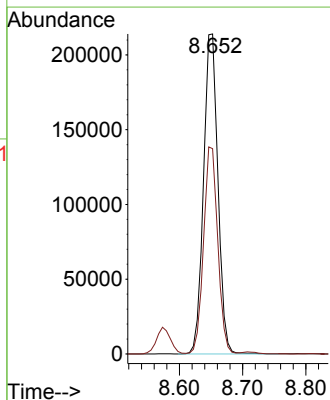
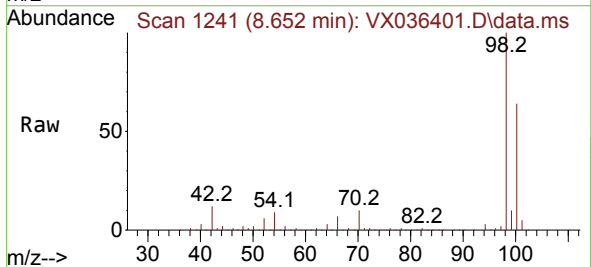
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#02

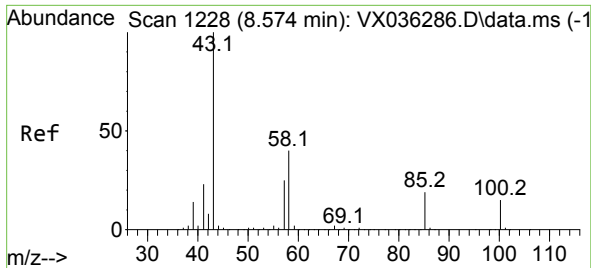
Tgt Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 3030.3 60.1 90.1#



#50
Toluene-d8
Concen: 48.052 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

Tgt Ion: 98 Resp: 339761
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7

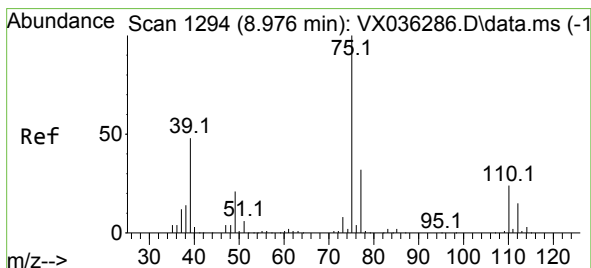
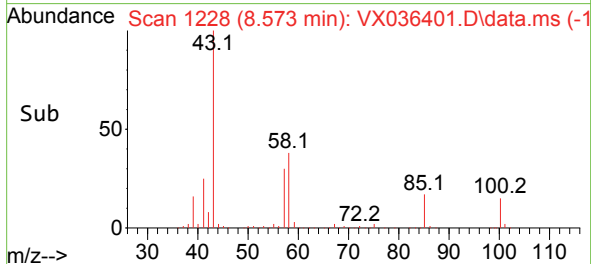
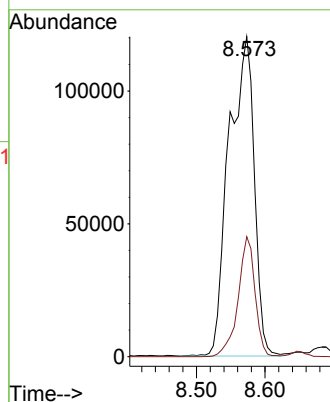
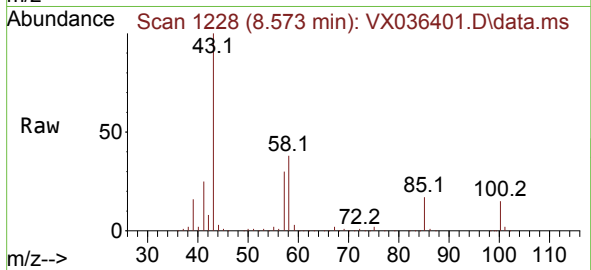




#51
4-Methyl-2-Pentanone
Concen: 103.994 ug/l
RT: 8.573 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

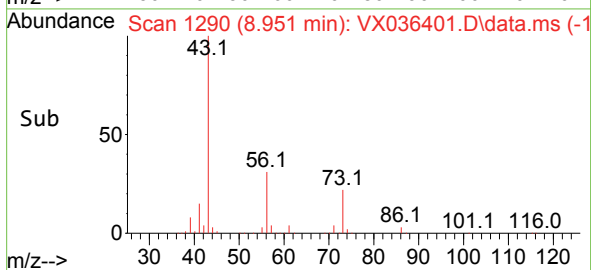
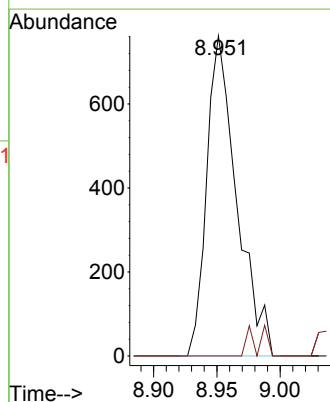
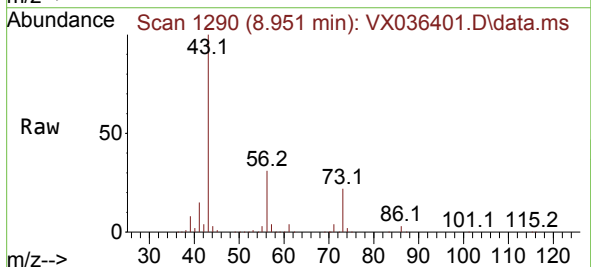
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#02

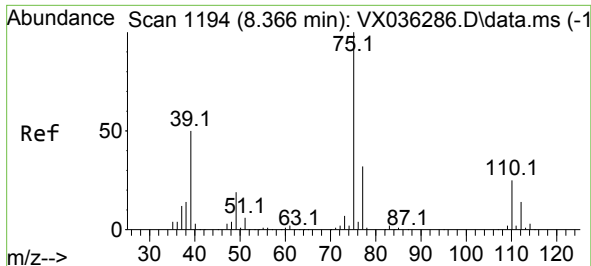
Tgt Ion: 43 Resp: 307404
Ion Ratio Lower Upper
43 100
58 25.3 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.456 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

Tgt Ion: 75 Resp: 1259
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

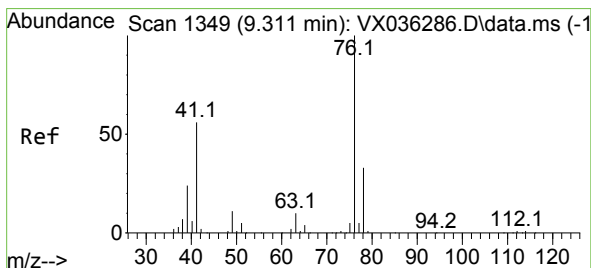
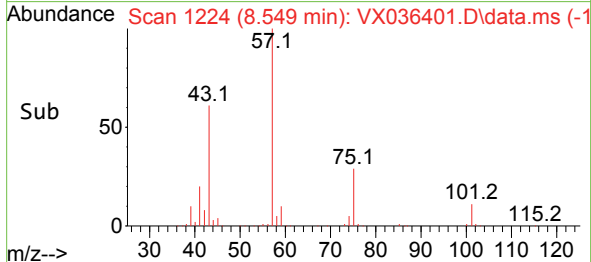
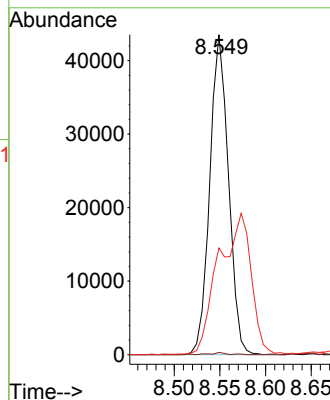
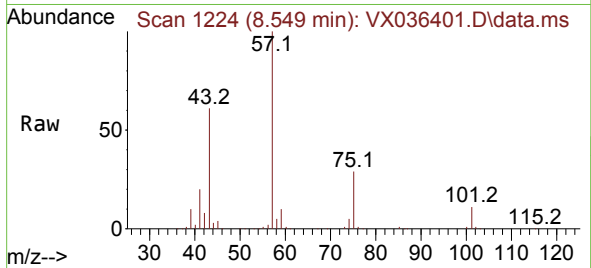




#54
 cis-1,3-Dichloropropene
 Concen: 19.801 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036401.D
 Acq: 05 Jul 2023 14:08

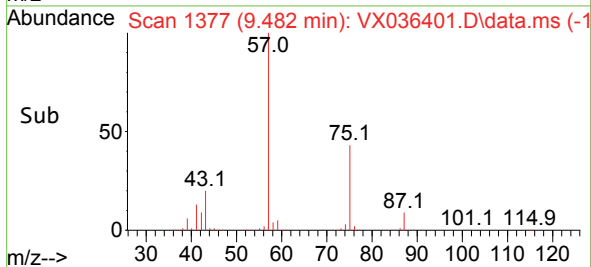
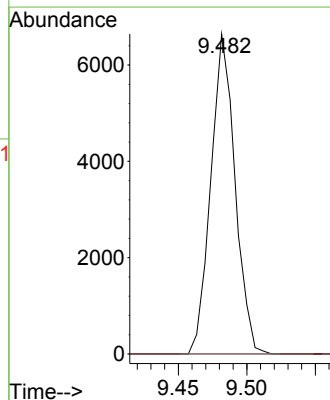
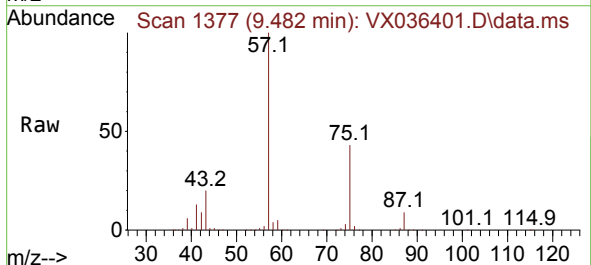
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#02

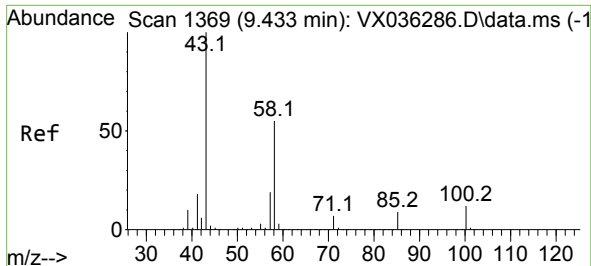
Tgt Ion: 75 Resp: 61792
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 33.1 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.293 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036401.D
 Acq: 05 Jul 2023 14:08

Tgt Ion: 76 Resp: 8158
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

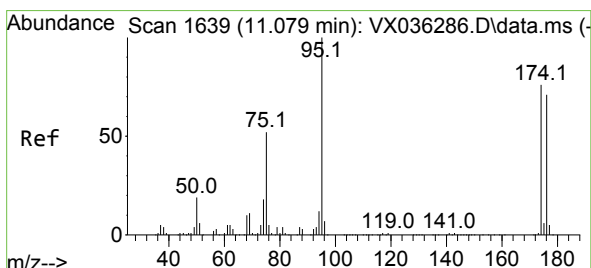
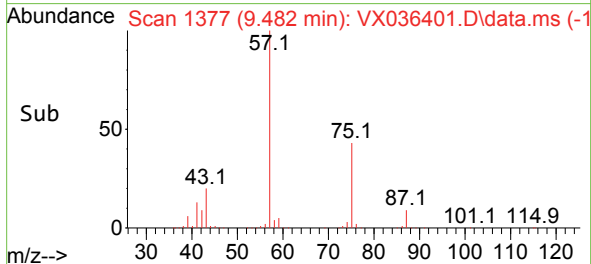
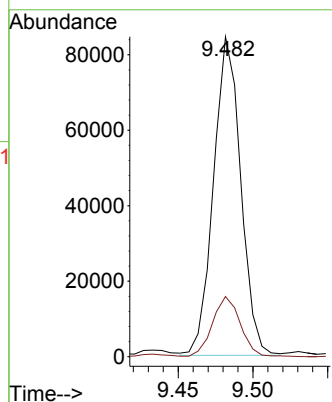
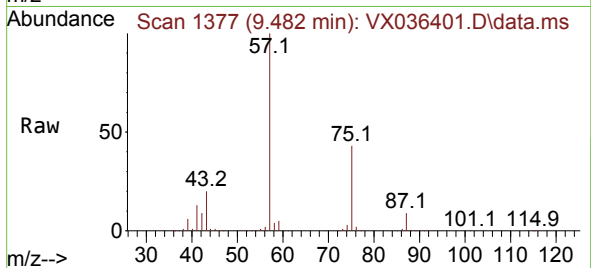




#59
2-Hexanone
Concen: 49.450 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

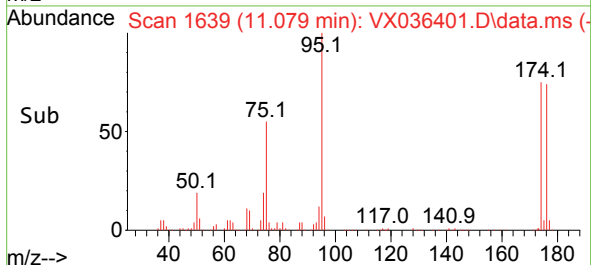
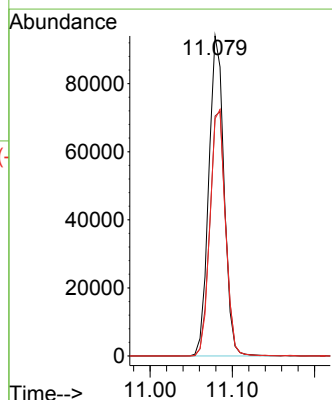
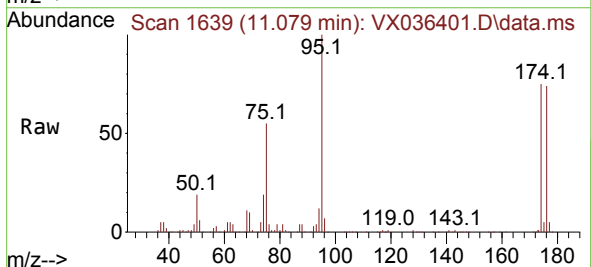
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#02

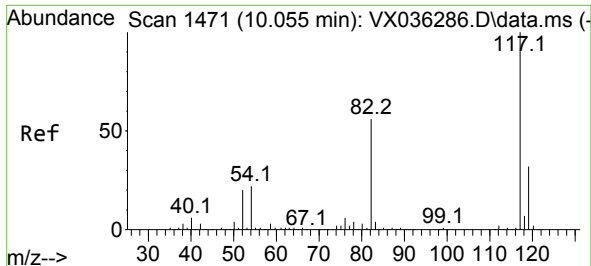
Tgt Ion: 43 Resp: 106743
Ion Ratio Lower Upper
43 100
58 19.4 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.626 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

Tgt Ion: 95 Resp: 121105
Ion Ratio Lower Upper
95 100
174 78.9 0.0 135.6
176 78.1 0.0 131.0

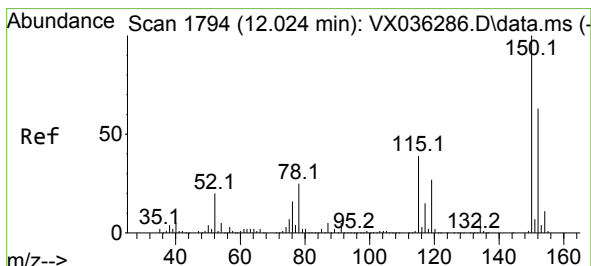
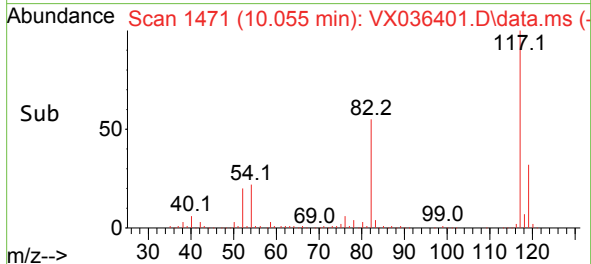
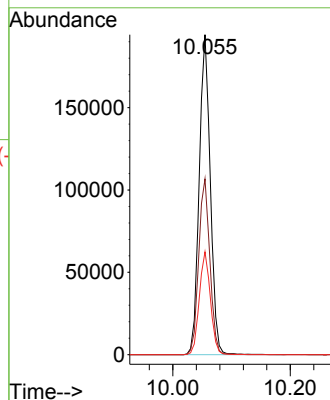
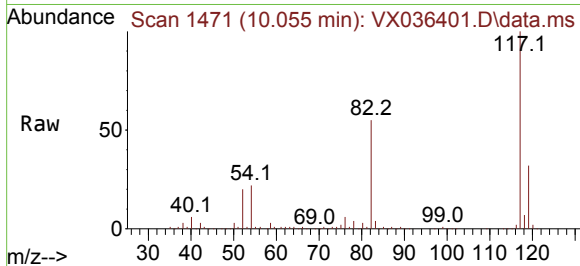




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

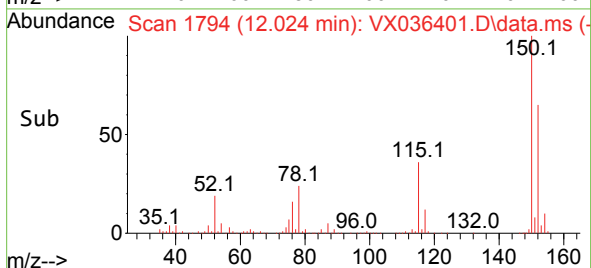
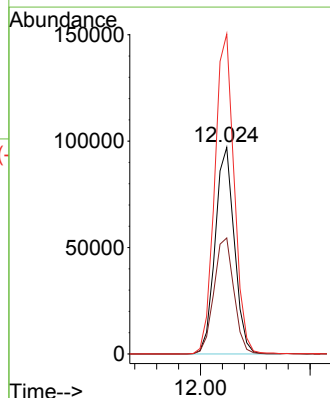
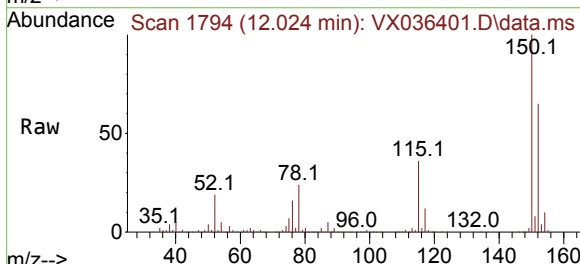
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#02

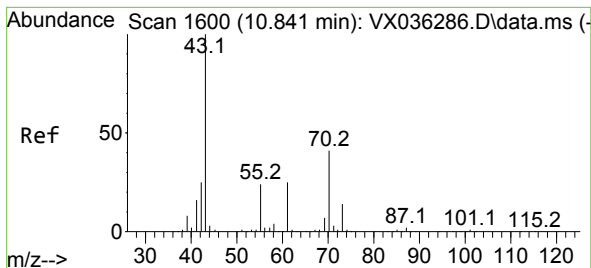
Tgt Ion:117 Resp: 255003
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX036401.D
Acq: 05 Jul 2023 14:08

Tgt Ion:152 Resp: 118268
Ion Ratio Lower Upper
152 100
115 58.4 43.3 129.9
150 156.9 0.0 345.0





#74

N-amy1 acetate

Concen: 0.433 ug/l

RT: 10.811 min Scan# 1

Delta R.T. -0.030 min

Lab File: VX036401.D

Acq: 05 Jul 2023 14:08

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#02

Tgt Ion: 43 Resp: 1525

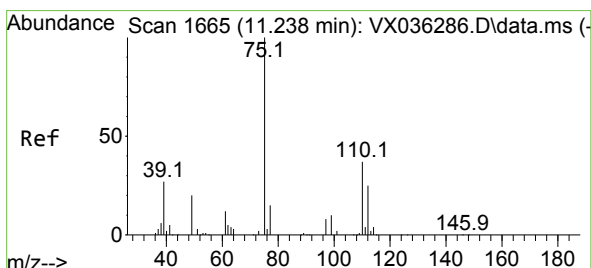
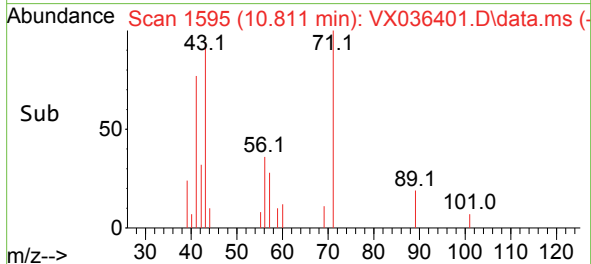
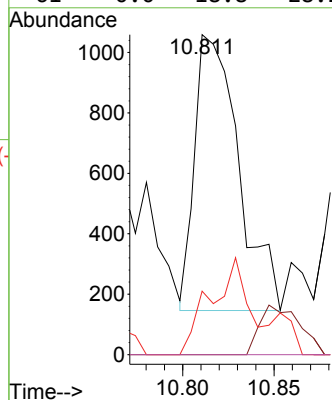
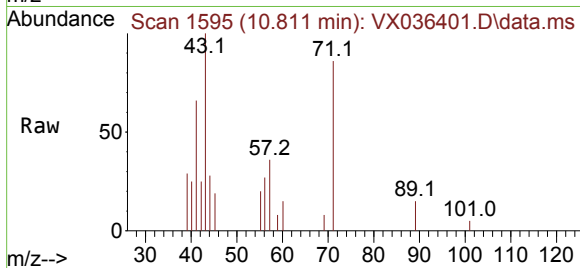
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 31.8 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.586 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036401.D

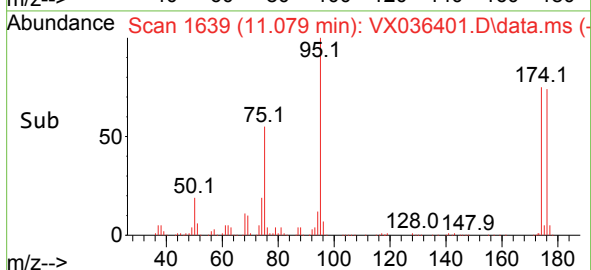
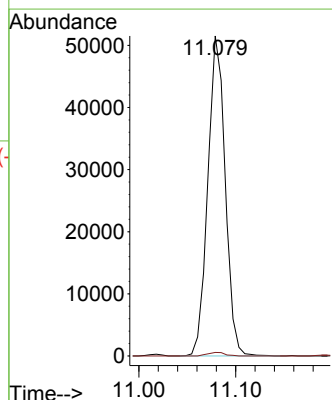
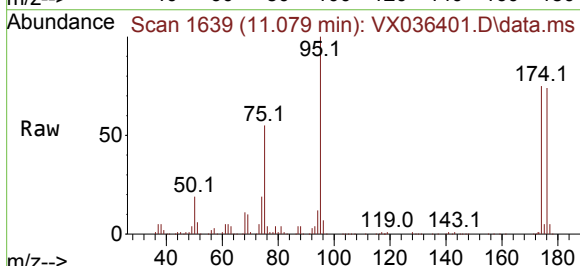
Acq: 05 Jul 2023 14:08

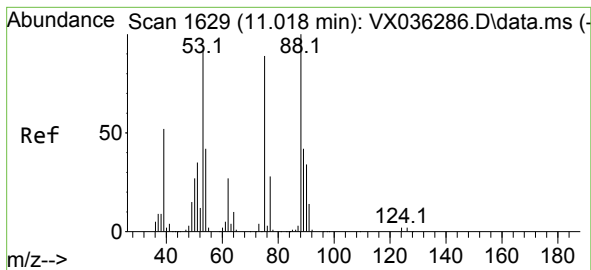
Tgt Ion: 75 Resp: 64546

Ion Ratio Lower Upper

75 100

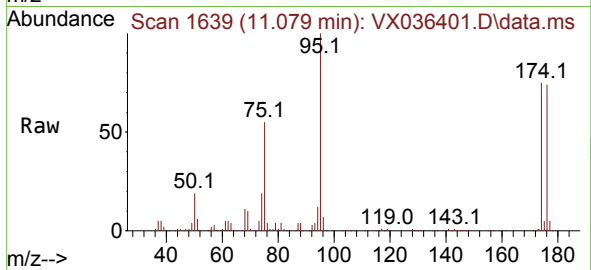
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.404 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036401.D
 Acq: 05 Jul 2023 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#02



Tgt Ion: 75 Resp: 64546
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

