

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036403.D
 Acq On : 05 Jul 2023 14:56
 Operator : JC/MD
 Sample : PB153983ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#04

Quant Time: Jul 06 04:51:53 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)

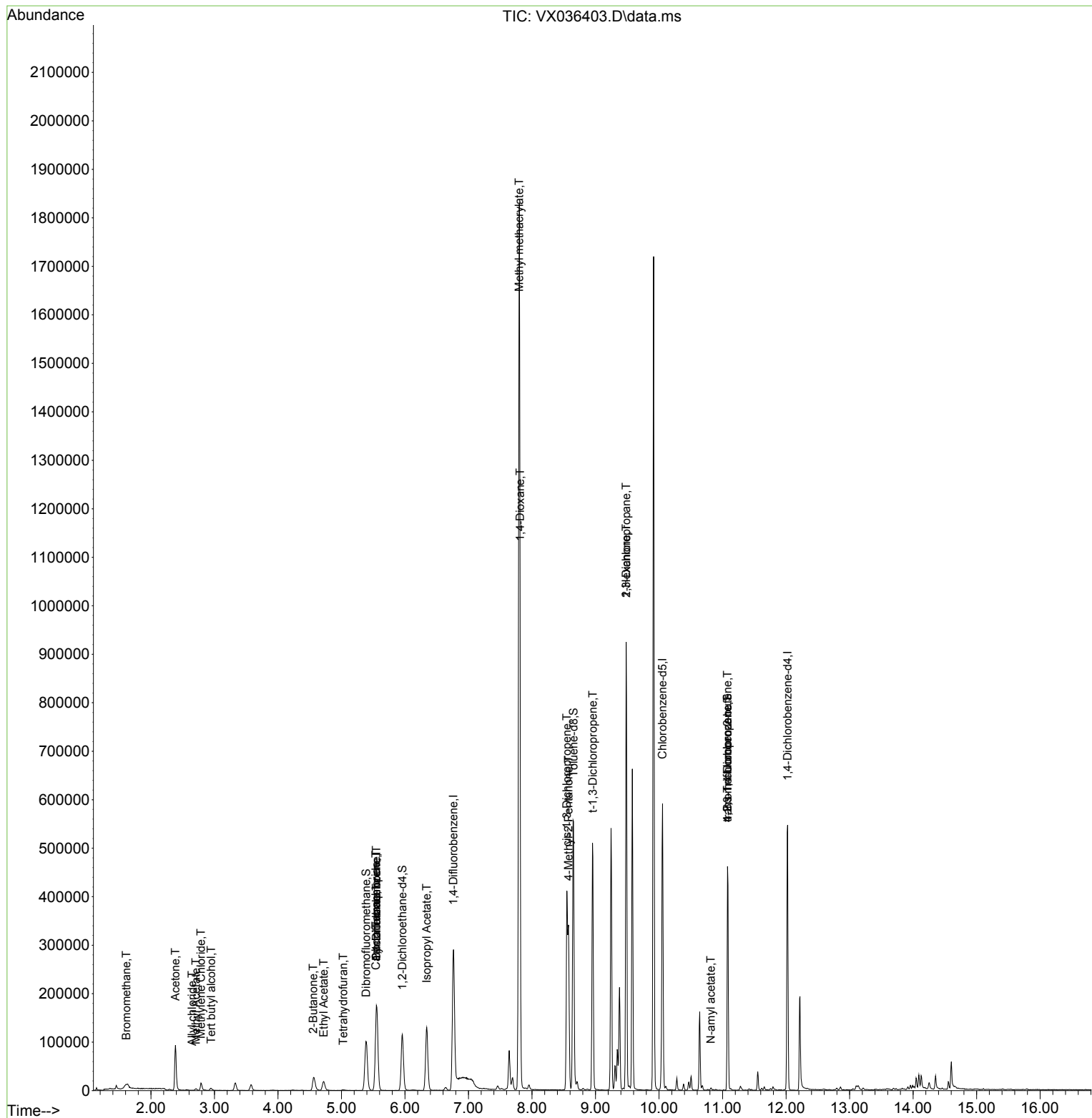
Internal Standards						
1) Pentafluorobenzene	5.550	168	166443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	283310	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	253524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	108296	45.391	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.780%		
35) Dibromofluoromethane	5.385	113	90233	48.303	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.600%		
50) Toluene-d8	8.653	98	342132	49.036	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.080%		
62) 4-Bromofluorobenzene	11.079	95	119047	48.440	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.880%		
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	576	0.263	ug/l #	76
11) Tert butyl alcohol	2.946	59	3358	7.732	ug/l #	81
14) Allyl chloride	2.648	41	921	0.300	ug/l #	24
16) Acetone	2.385	43	103560	101.552	ug/l	93
18) Methyl Acetate	2.709	43	4424	1.055	ug/l	97
20) Methylene Chloride	2.788	84	7228	3.292	ug/l #	85
25) 2-Butanone	4.556	43	46692	31.867	ug/l	100
29) Tetrahydrofuran	5.025	42	1201	1.287	ug/l #	81
31) Cyclohexane	5.550	56	4017	1.314	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	13346	4.793	ug/l #	51
37) Ethyl Acetate	4.720	43	31137	10.971	ug/l	96
38) Carbon Tetrachloride	5.543	117	17105	6.726	ug/l #	15
43) Isopropyl Acetate	6.342	43	178107	39.339	ug/l	98
48) Methyl methacrylate	7.799	41	155905	69.063	ug/l #	48
49) 1,4-Dioxane	7.811	88	296	5.915	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	309947	106.258	ug/l #	79
53) t-1,3-Dichloropropene	8.957	75	1300	0.477	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	61265	19.895	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	7800	2.221	ug/l #	42
59) 2-Hexanone	9.482	43	105292	49.431	ug/l #	53
74) N-amyl acetate	10.817	43	1549	0.457	ug/l #	59
76) 1,2,3-Trichloropropane	11.079	75	61641	25.406	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	61641	82.817	ug/l #	5

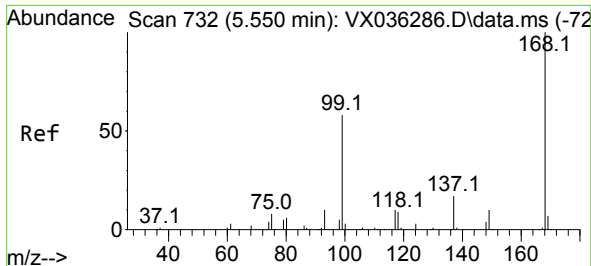
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
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Instrument :
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ClientSampleId :
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Quant Time: Jul 06 04:51:53 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

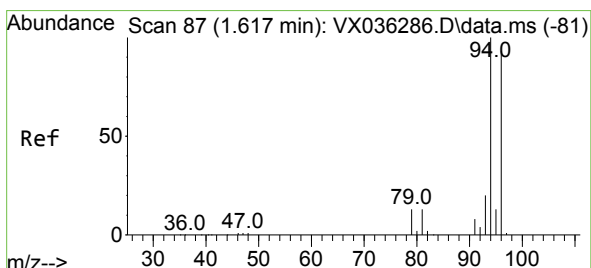
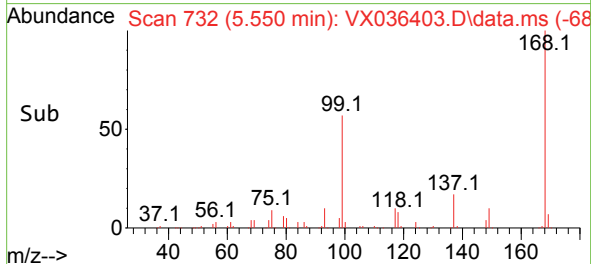
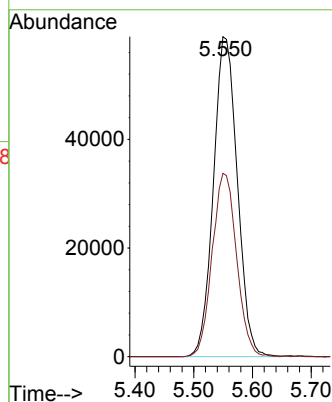
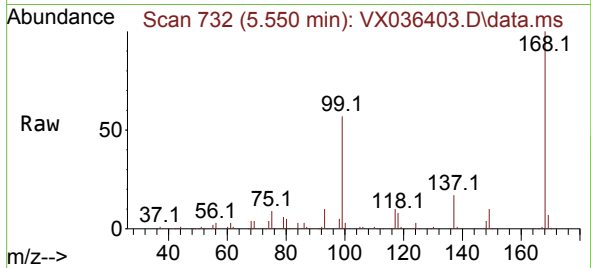




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

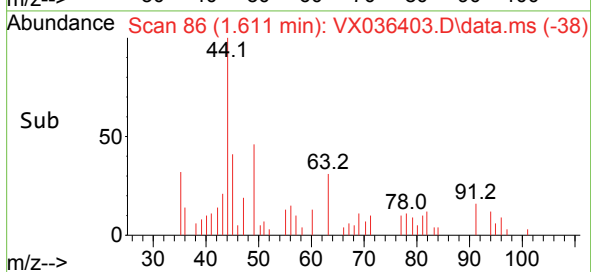
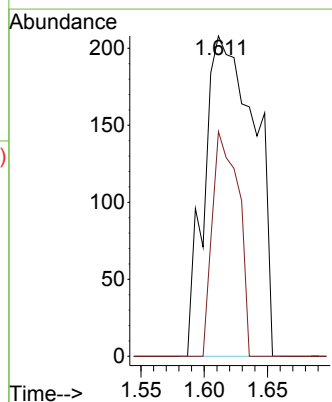
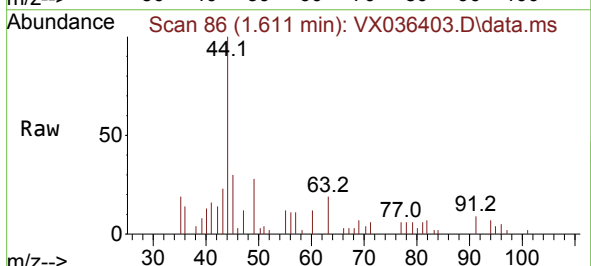
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#04

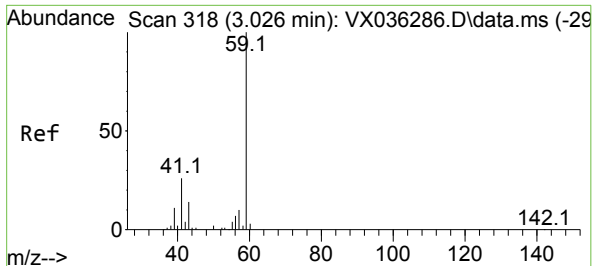
Tgt Ion:168 Resp: 166443
Ion Ratio Lower Upper
168 100
99 57.3 56.6 85.0



#5
Bromomethane
Concen: 0.263 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

Tgt Ion: 94 Resp: 576
Ion Ratio Lower Upper
94 100
96 70.2 74.6 111.8#





#11

Tert butyl alcohol

Concen: 7.732 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.067 min

Lab File: VX036403.D

Acq: 05 Jul 2023 14:56

Instrument :

MSVOA_X

ClientSampleId :

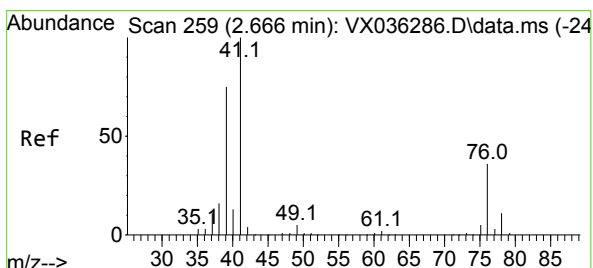
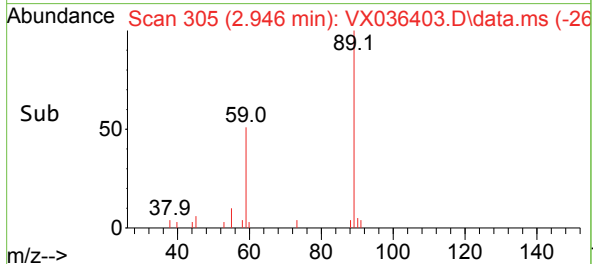
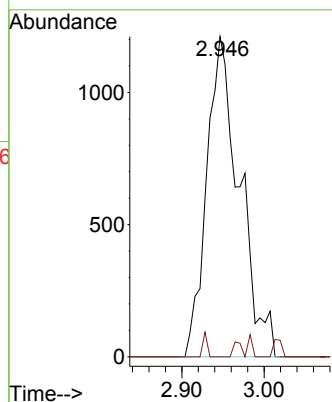
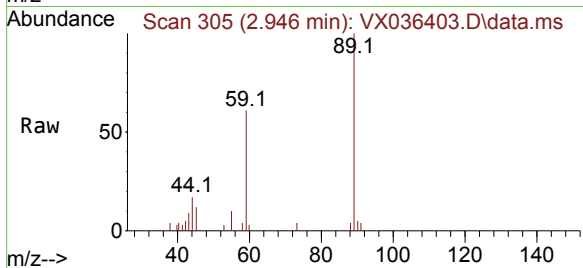
PB153983ZHE#04

Tgt Ion: 59 Resp: 3358

Ion Ratio Lower Upper

59 100

57 1.0 6.0 9.0#



#14

Allyl chloride

Concen: 0.300 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.018 min

Lab File: VX036403.D

Acq: 05 Jul 2023 14:56

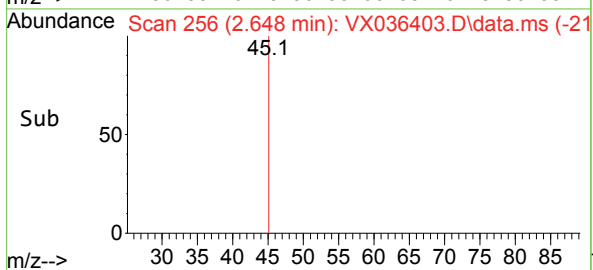
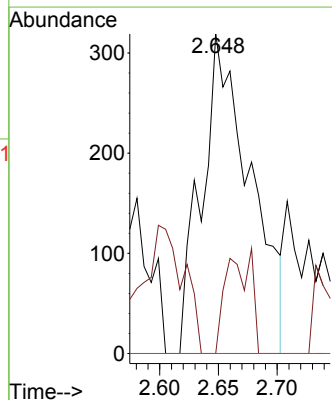
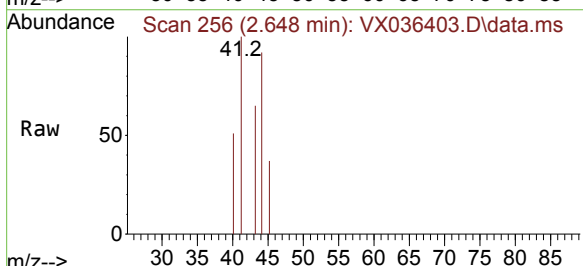
Tgt Ion: 41 Resp: 921

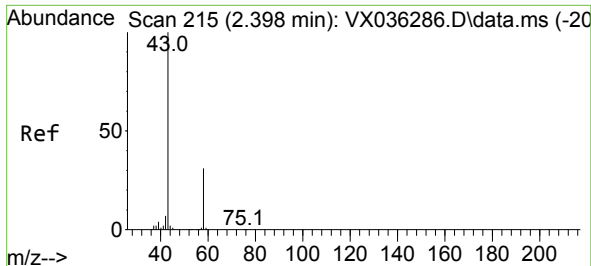
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

76 0.0 24.3 36.5#

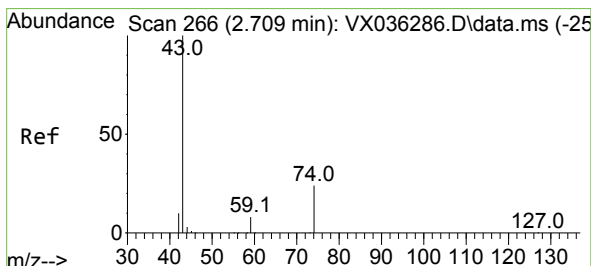
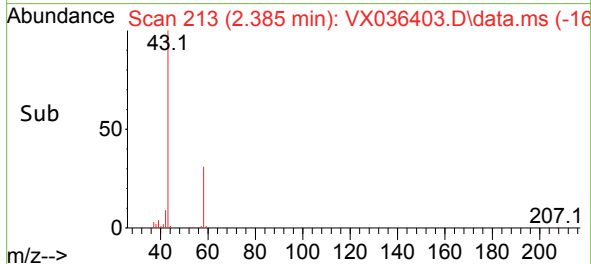
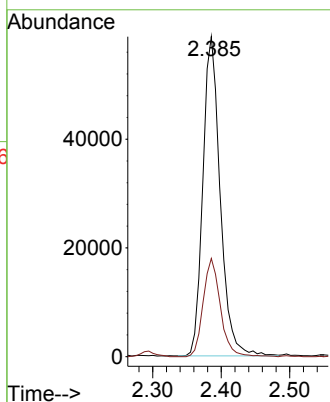
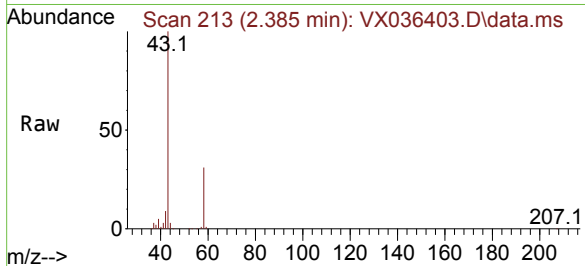




#16
Acetone
Concen: 101.552 ug/l
RT: 2.385 min Scan# 215
Delta R.T. -0.019 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

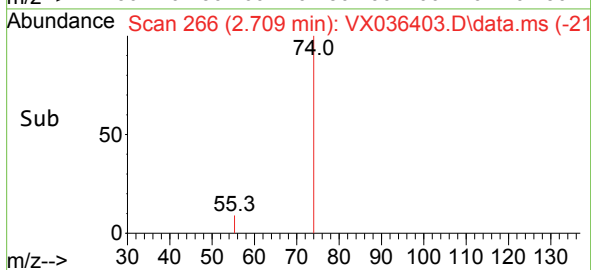
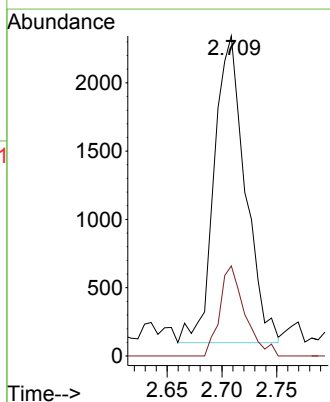
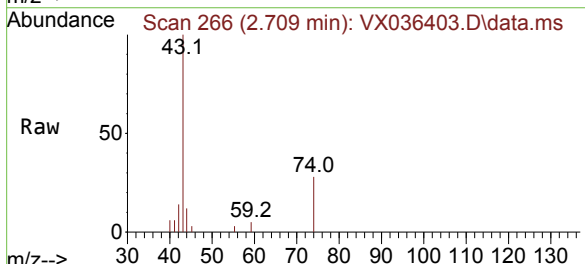
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#04

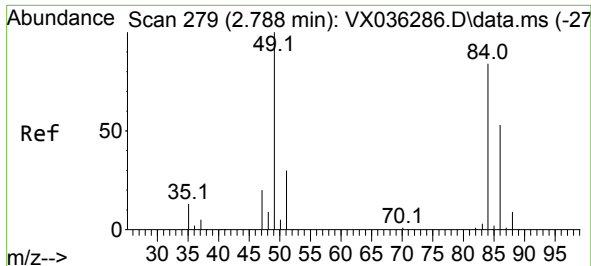
Tgt Ion: 43 Resp: 103560
Ion Ratio Lower Upper
43 100
58 30.8 21.9 32.9



#18
Methyl Acetate
Concen: 1.055 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

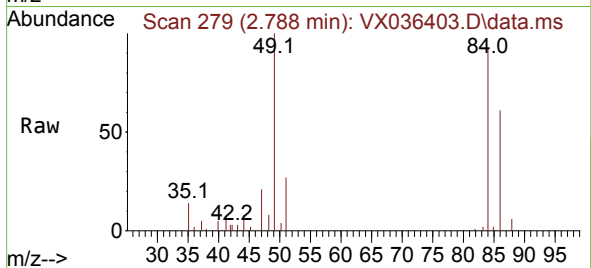
Tgt Ion: 43 Resp: 4424
Ion Ratio Lower Upper
43 100
74 23.7 17.8 26.8



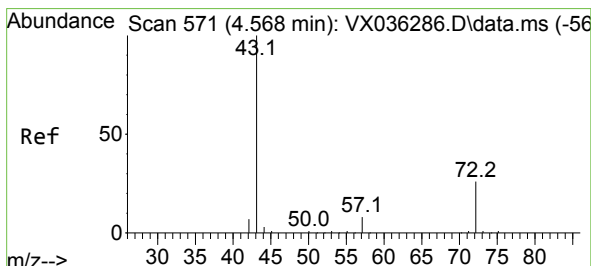
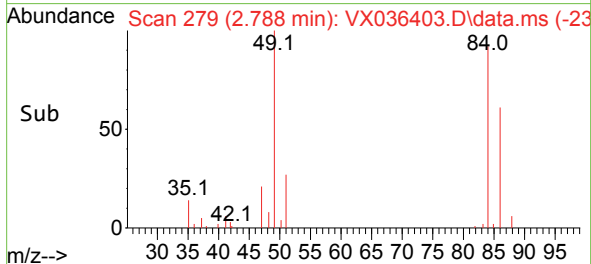
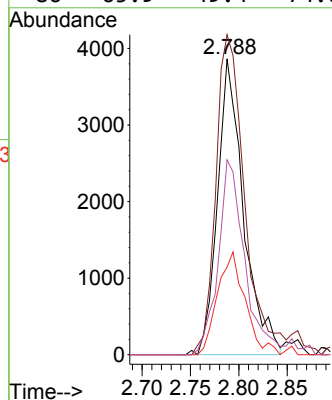


#20
Methylene Chloride
Concen: 3.292 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#04

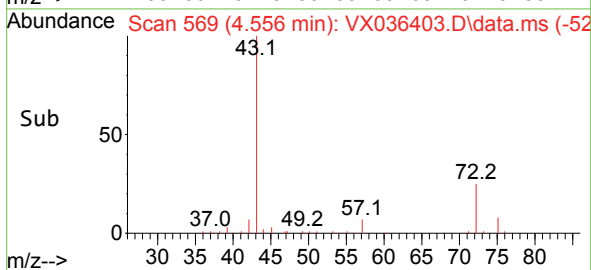
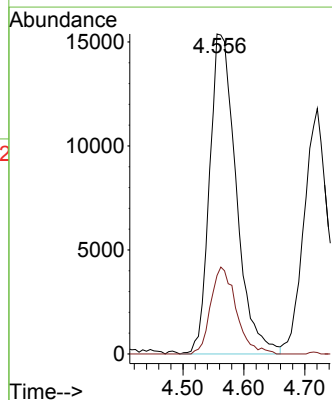
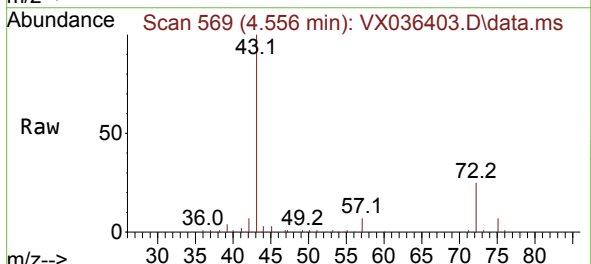


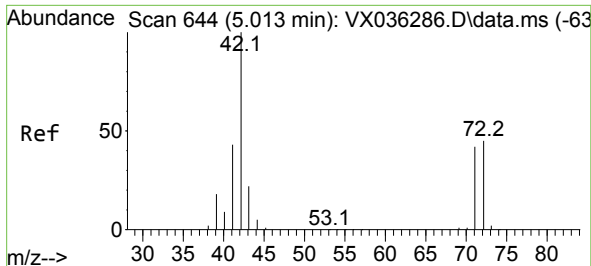
Tgt Ion: 84	Resp: 7228
Ion Ratio	Lower Upper
84 100	
49 108.2	103.6 155.4
51 29.6	33.8 50.6#
86 65.9	49.4 74.0



#25
2-Butanone
Concen: 31.867 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.012 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

Tgt Ion: 43	Resp: 46692
Ion Ratio	Lower Upper
43 100	
72 24.5	19.4 29.2





#29

Tetrahydrofuran

Concen: 1.287 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX036403.D

Acq: 05 Jul 2023 14:56

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#04

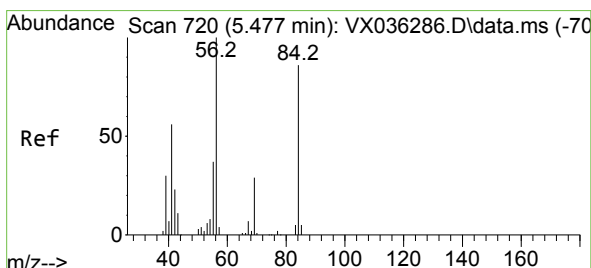
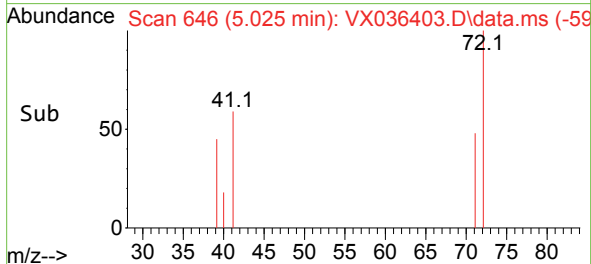
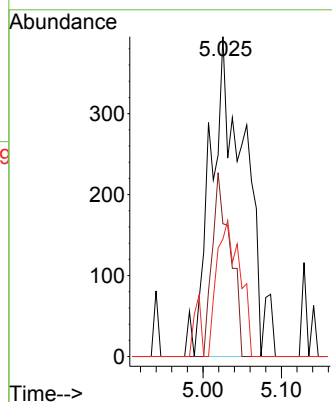
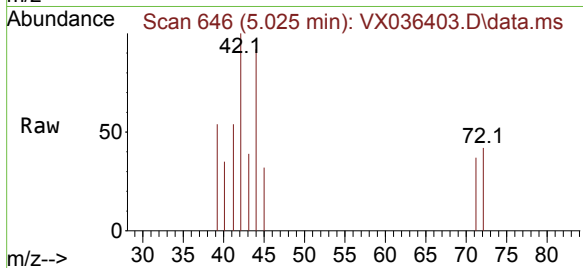
Tgt Ion: 42 Resp: 1201

Ion Ratio Lower Upper

42 100

72 30.3 34.2 51.4#

71 28.8 32.2 48.2#



#31

Cyclohexane

Concen: 1.314 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX036403.D

Acq: 05 Jul 2023 14:56

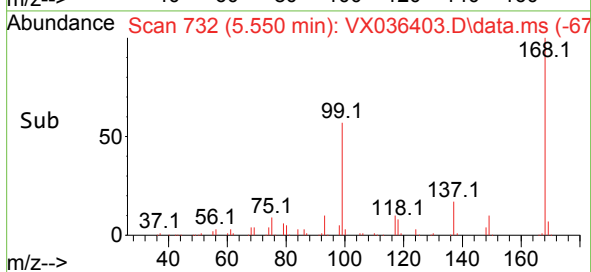
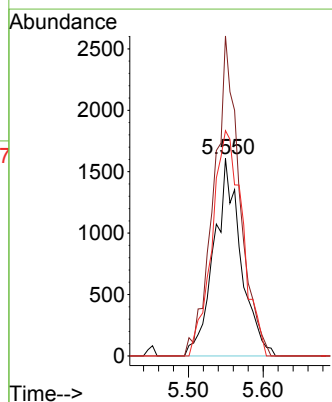
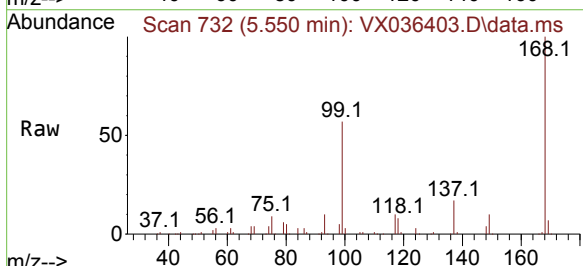
Tgt Ion: 56 Resp: 4017

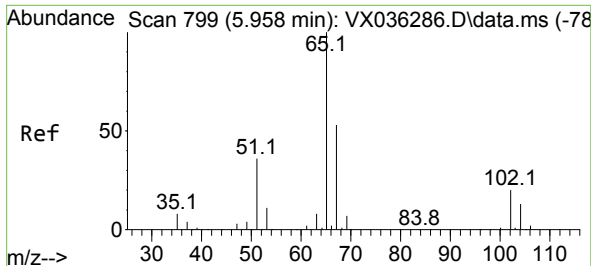
Ion Ratio Lower Upper

56 100

69 162.0 23.4 35.2#

84 114.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.391 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036403.D

Acq: 05 Jul 2023 14:56

Instrument :

MSVOA_X

ClientSampleId :

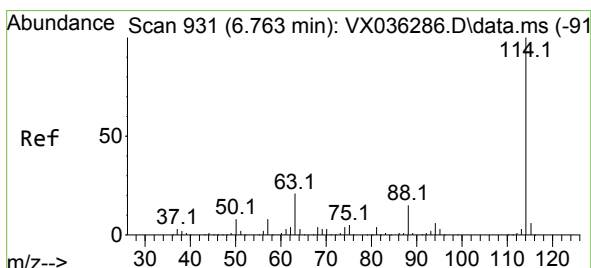
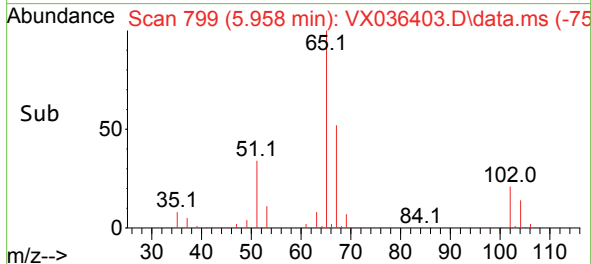
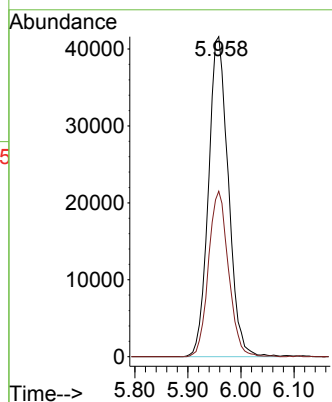
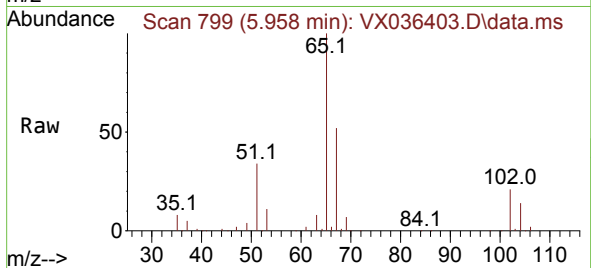
PB153983ZHE#04

Tgt Ion: 65 Resp: 108296

Ion Ratio Lower Upper

65 100

67 51.9 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: VX036403.D

Acq: 05 Jul 2023 14:56

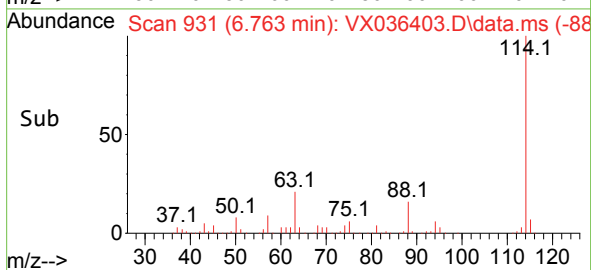
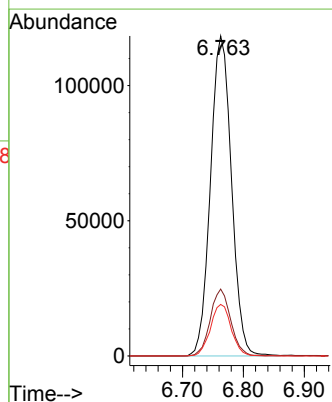
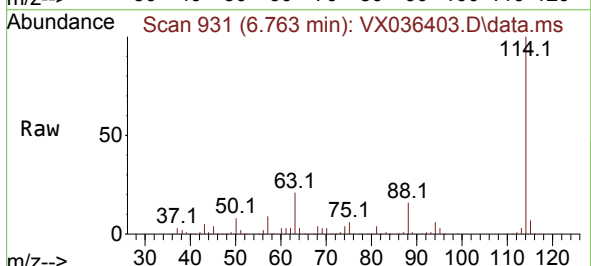
Tgt Ion:114 Resp: 283310

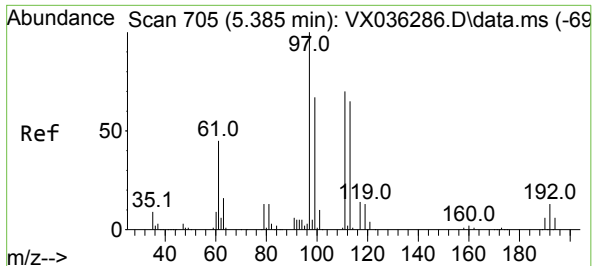
Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.0

88 16.1 0.0 36.6

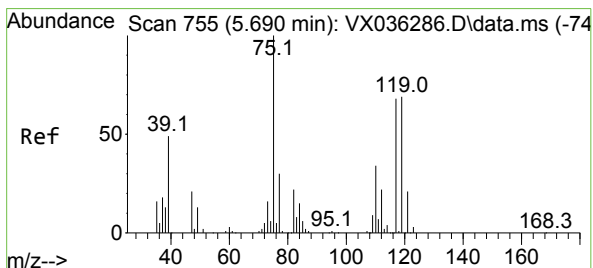
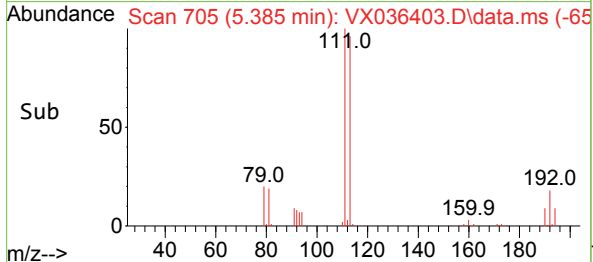
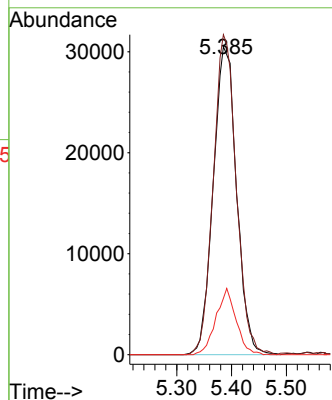
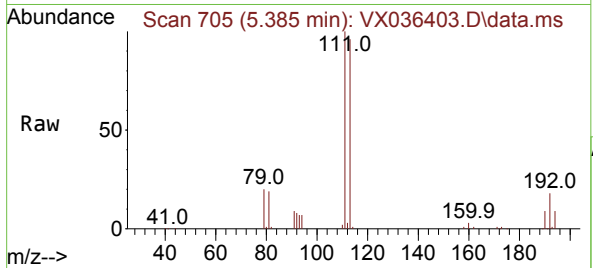




#35
Dibromofluoromethane
Concen: 48.303 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

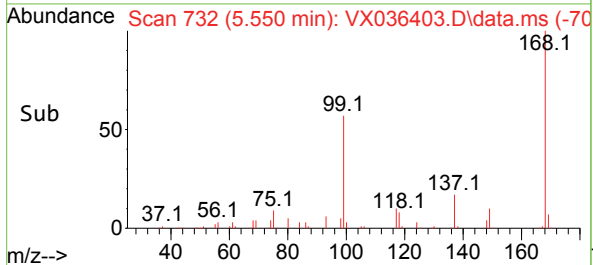
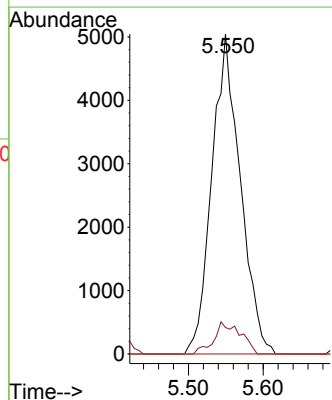
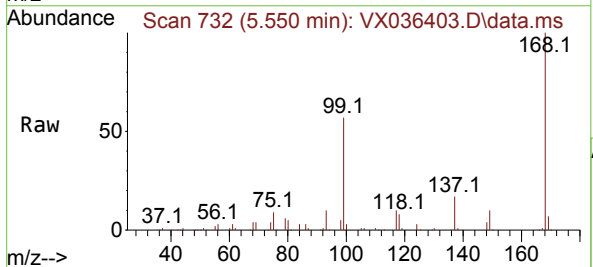
Instrument :
MSVOA_X
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PB153983ZHE#04

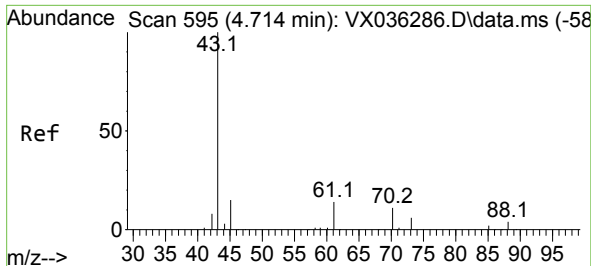
Tgt Ion:113 Resp: 90233
Ion Ratio Lower Upper
113 100
111 101.9 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.793 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

Tgt Ion: 75 Resp: 13346
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 10.971 ug/l

RT: 4.720 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX036403.D

Acq: 05 Jul 2023 14:56

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#04

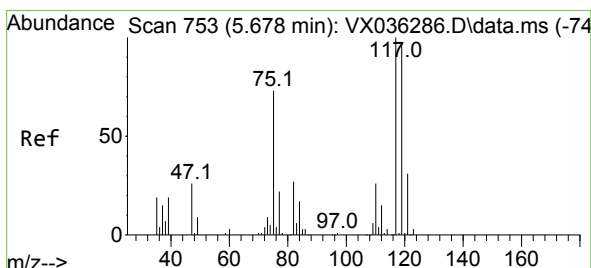
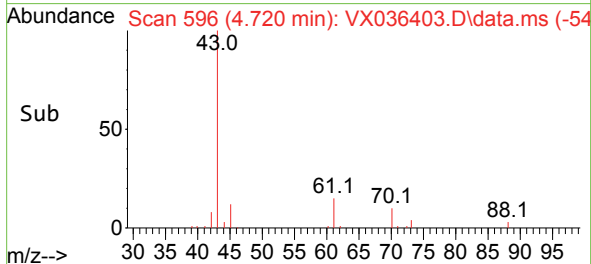
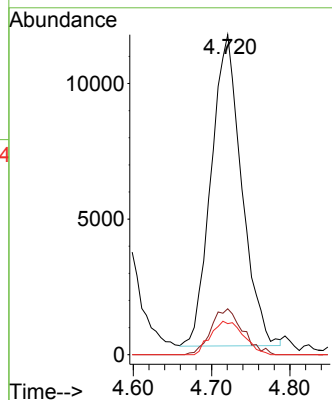
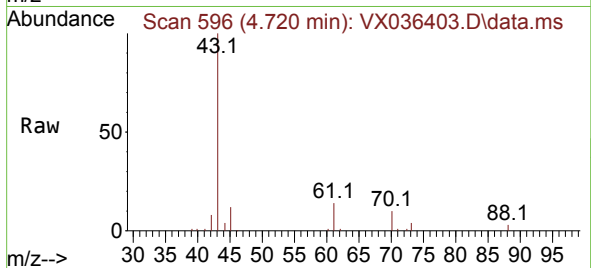
Tgt Ion: 43 Resp: 31137

Ion Ratio Lower Upper

43 100

61 15.3 10.6 16.0

70 11.5 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.726 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.135 min

Lab File: VX036403.D

Acq: 05 Jul 2023 14:56

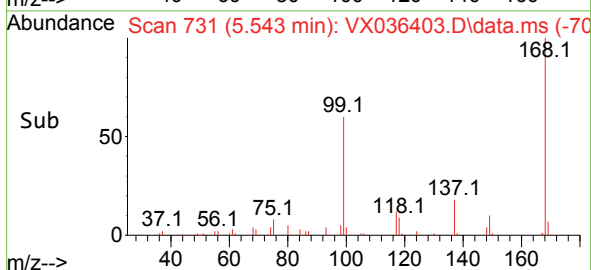
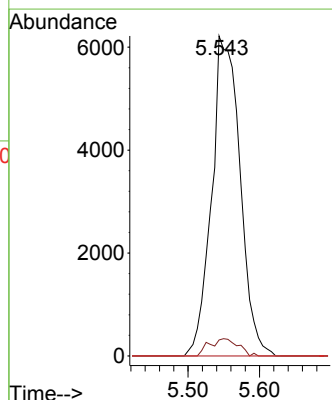
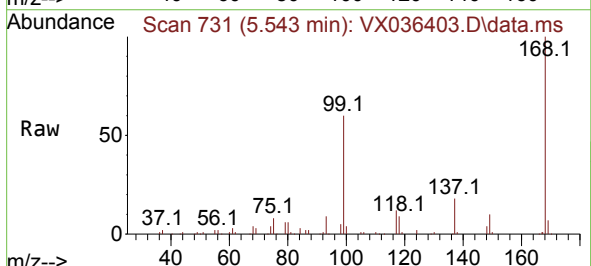
Tgt Ion: 117 Resp: 17105

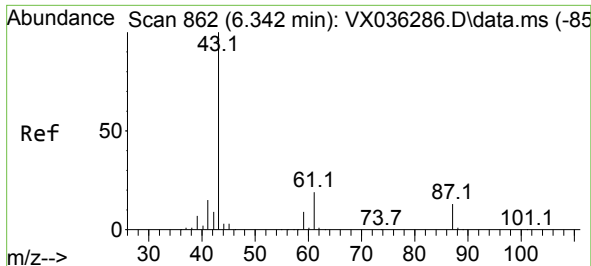
Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.2#

121 0.0 24.4 36.6#

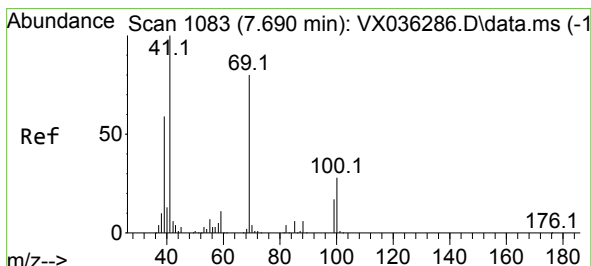
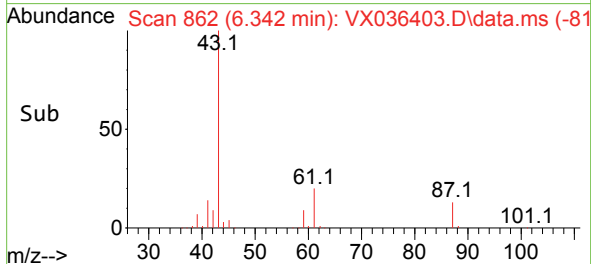
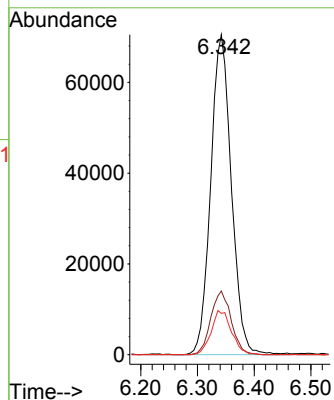
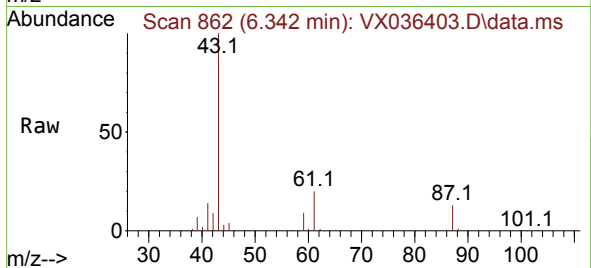




#43
Isopropyl Acetate
Concen: 39.339 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

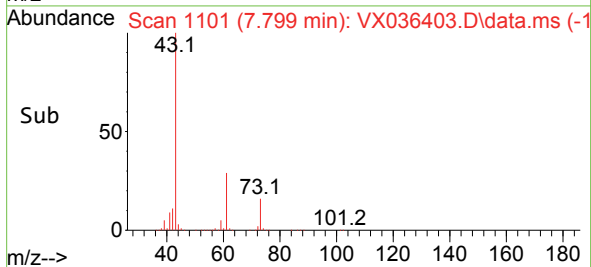
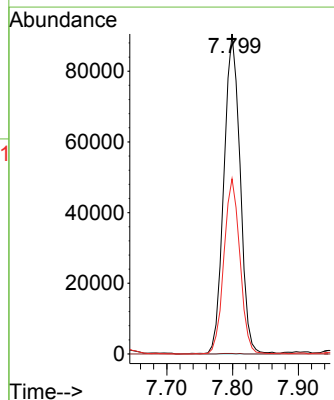
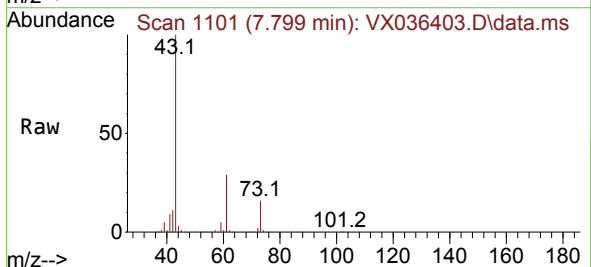
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#04

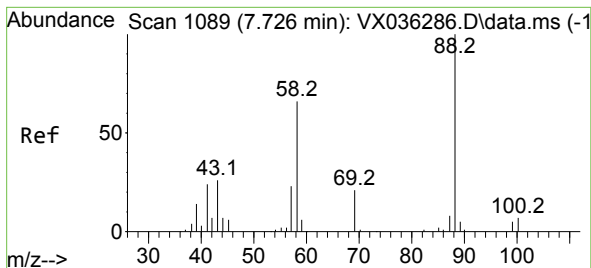
Tgt Ion: 43 Resp: 178107
Ion Ratio Lower Upper
43 100
61 19.6 15.2 22.8
87 13.5 9.8 14.6



#48
Methyl methacrylate
Concen: 69.063 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

Tgt Ion: 41 Resp: 155905
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 53.8 47.7 71.5





#49

1,4-Dioxane

Concen: 5.915 ug/l

RT: 7.811 min Scan# 1103

Delta R.T. 0.079 min

Lab File: VX036403.D

Acq: 05 Jul 2023 14:56

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#04

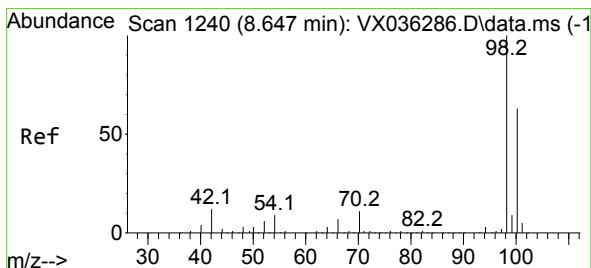
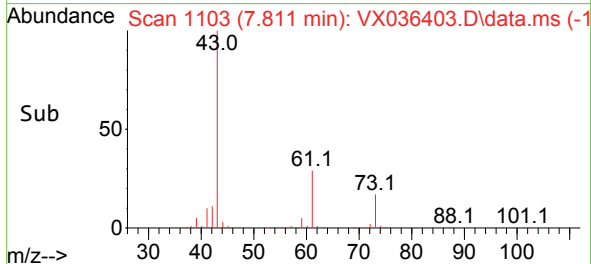
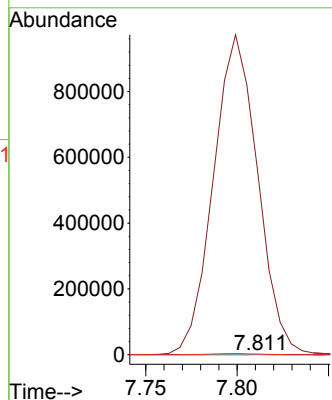
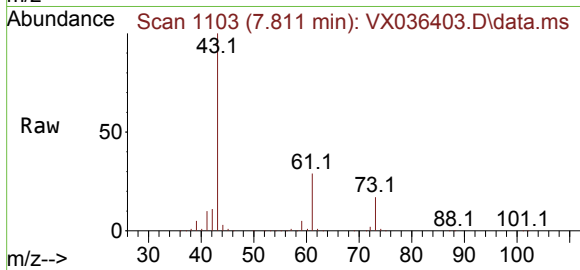
Tgt Ion: 88 Resp: 296

Ion Ratio Lower Upper

88 100

43 556354.7 0.0 0.0#

58 2051.4 60.1 90.1#



#50

Toluene-d8

Concen: 49.036 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX036403.D

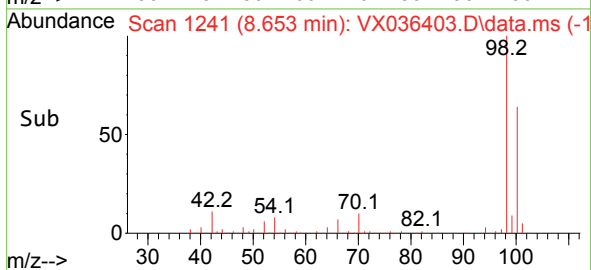
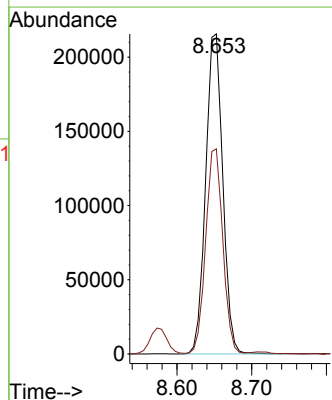
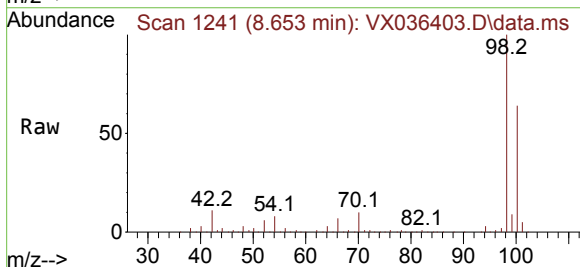
Acq: 05 Jul 2023 14:56

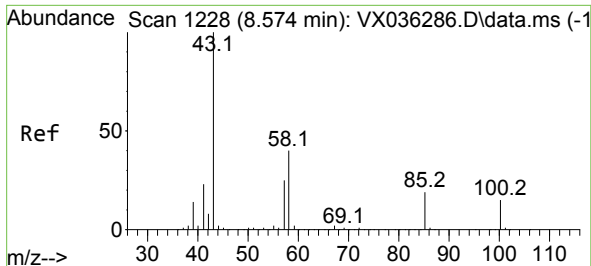
Tgt Ion: 98 Resp: 342132

Ion Ratio Lower Upper

98 100

100 63.8 53.1 79.7

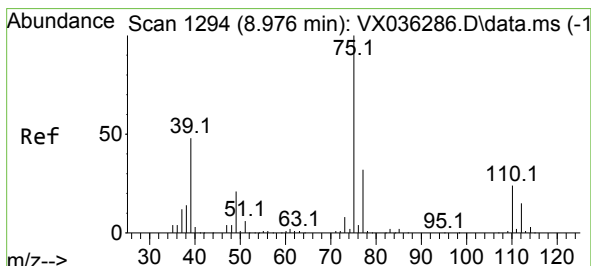
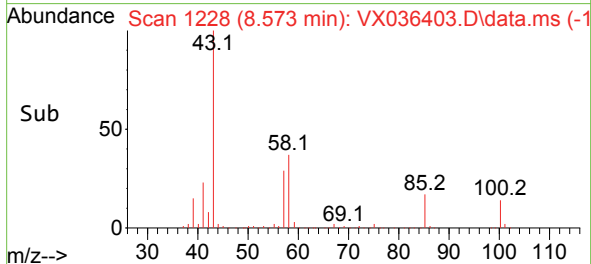
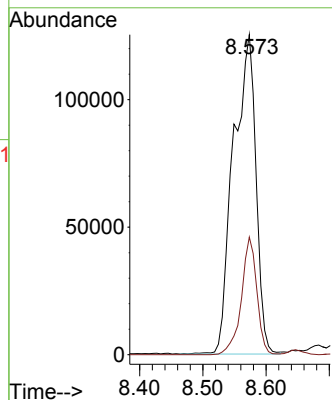
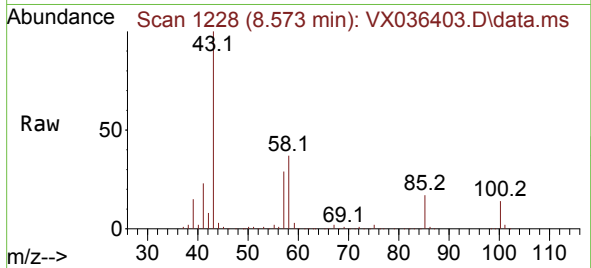




#51
4-Methyl-2-Pentanone
Concen: 106.258 ug/l
RT: 8.573 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

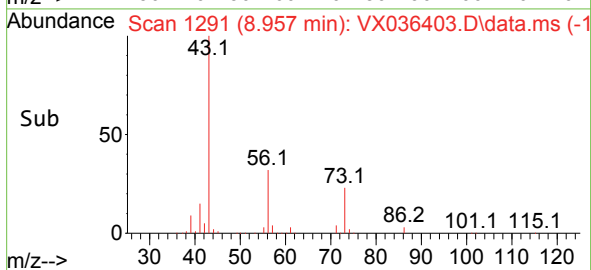
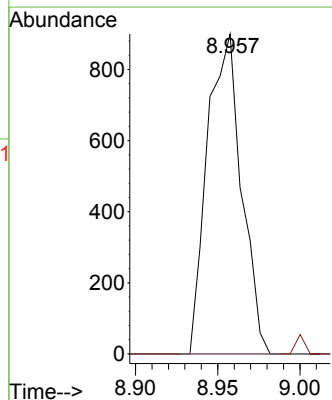
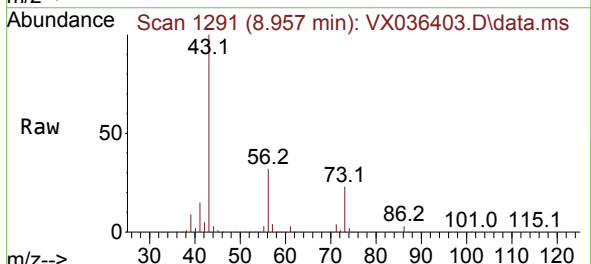
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#04

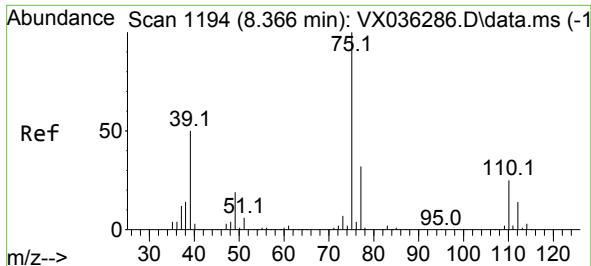
Tgt Ion: 43 Resp: 309947
Ion Ratio Lower Upper
43 100
58 25.3 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.477 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.019 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

Tgt Ion: 75 Resp: 1300
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

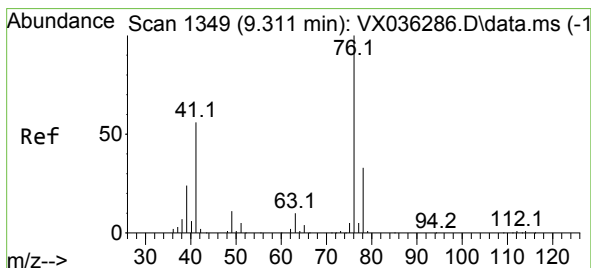
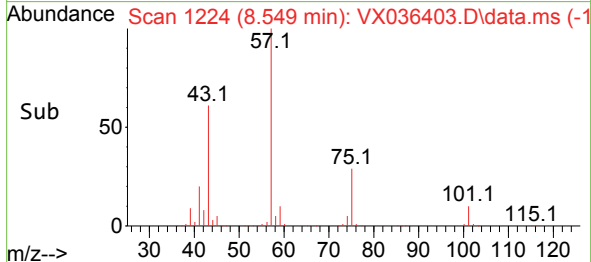
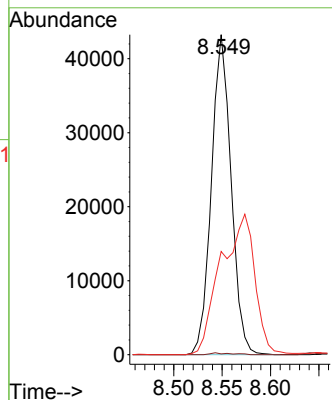
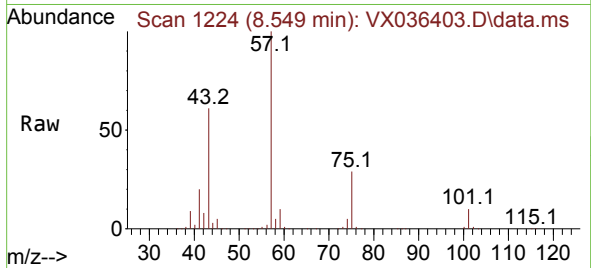




#54
 cis-1,3-Dichloropropene
 Concen: 19.895 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036403.D
 Acq: 05 Jul 2023 14:56

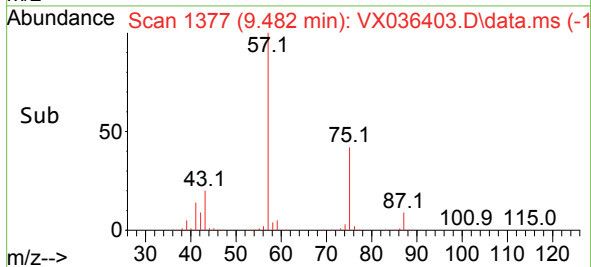
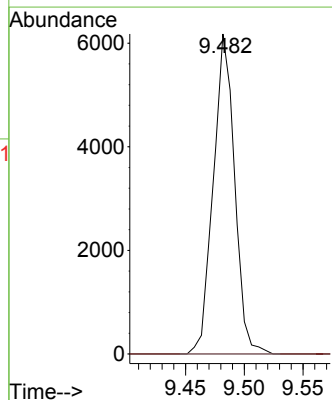
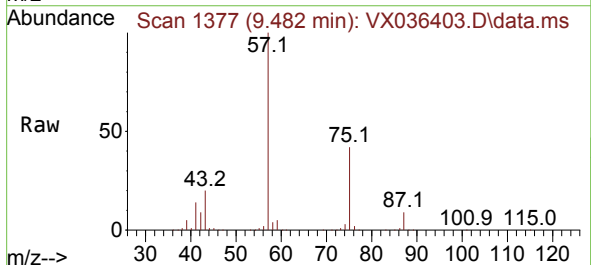
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#04

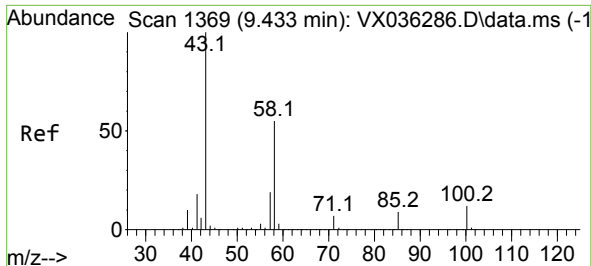
Tgt Ion: 75 Resp: 61265
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 32.2 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.221 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036403.D
 Acq: 05 Jul 2023 14:56

Tgt Ion: 76 Resp: 7800
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 49.431 ug/l

RT: 9.482 min Scan# 1133

Delta R.T. 0.049 min

Lab File: VX036403.D

Acq: 05 Jul 2023 14:56

Instrument :

MSVOA_X

ClientSampleId :

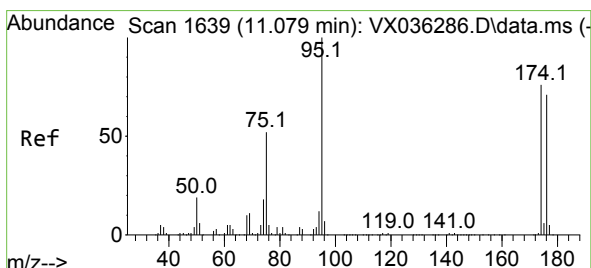
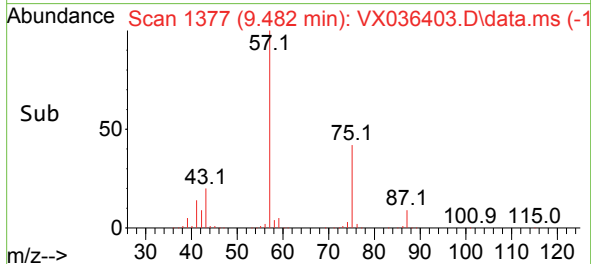
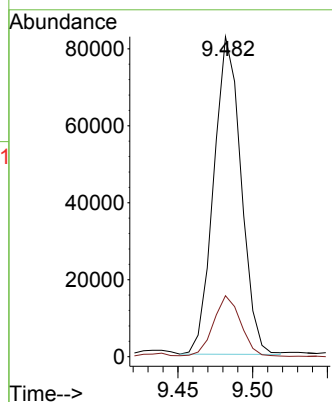
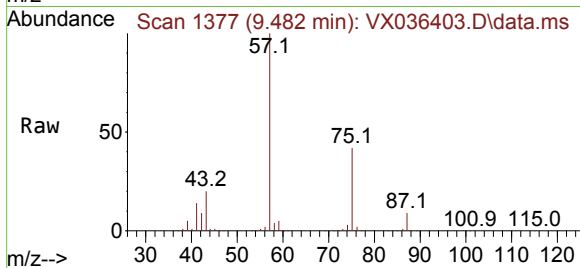
PB153983ZHE#04

Tgt Ion: 43 Resp: 105292

Ion Ratio Lower Upper

43 100

58 19.4 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 48.440 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX036403.D

Acq: 05 Jul 2023 14:56

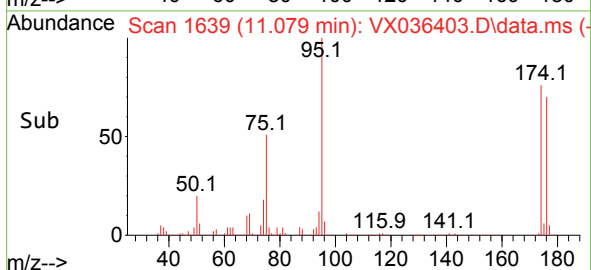
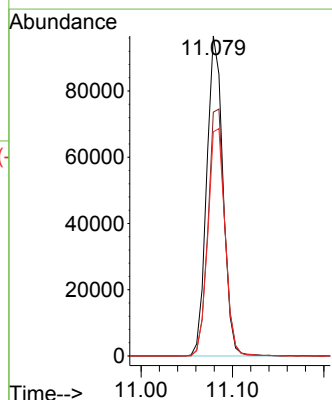
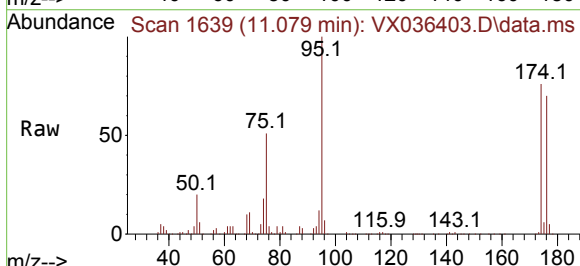
Tgt Ion: 95 Resp: 119047

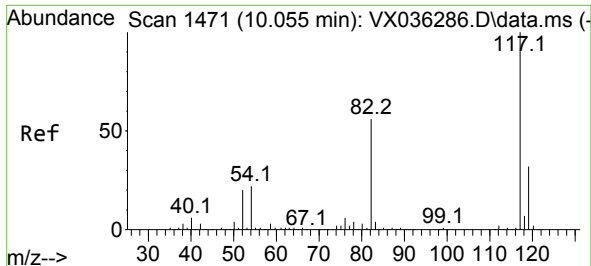
Ion Ratio Lower Upper

95 100

174 79.4 0.0 135.6

176 75.0 0.0 131.0

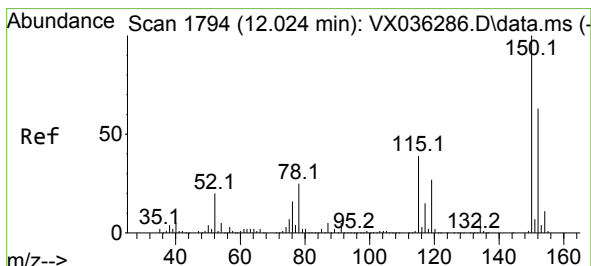
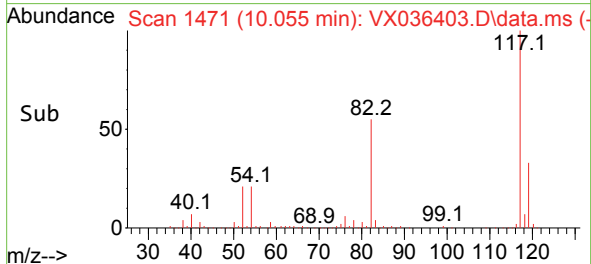
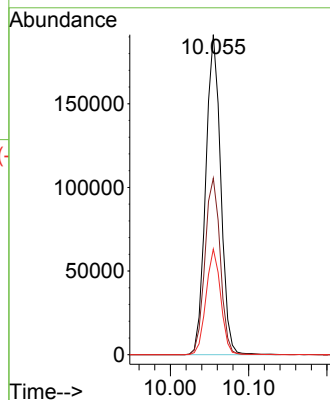
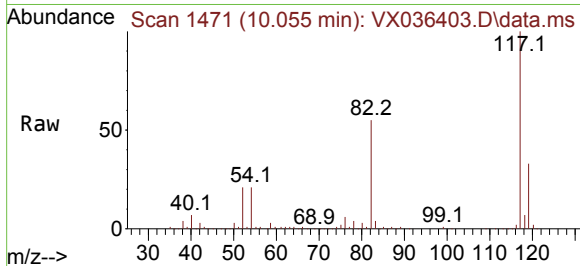




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

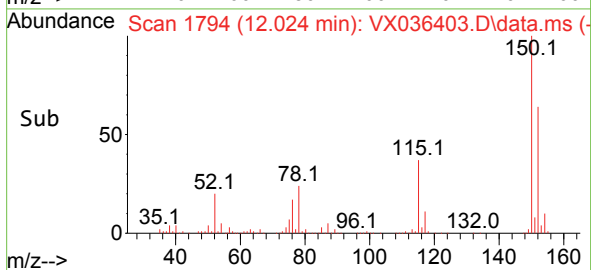
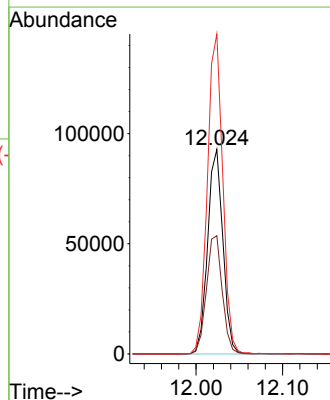
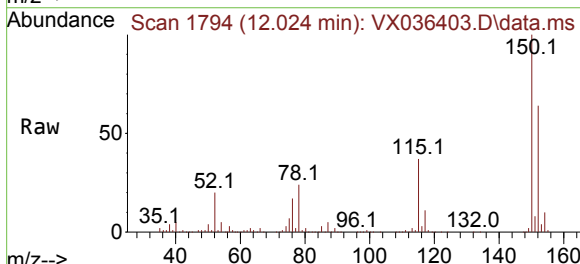
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#04

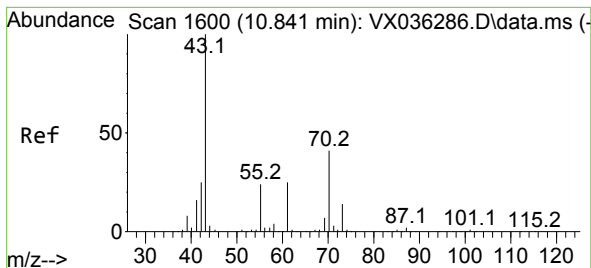
Tgt Ion:117 Resp: 253524
Ion Ratio Lower Upper
117 100
82 55.2 46.2 69.4
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX036403.D
Acq: 05 Jul 2023 14:56

Tgt Ion:152 Resp: 113746
Ion Ratio Lower Upper
152 100
115 59.8 43.3 129.9
150 157.2 0.0 345.0





#74

N-amy1 acetate

Concen: 0.457 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX036403.D

Acq: 05 Jul 2023 14:56

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#04

Tgt Ion: 43 Resp: 1549

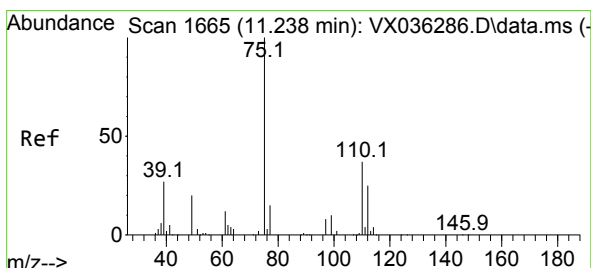
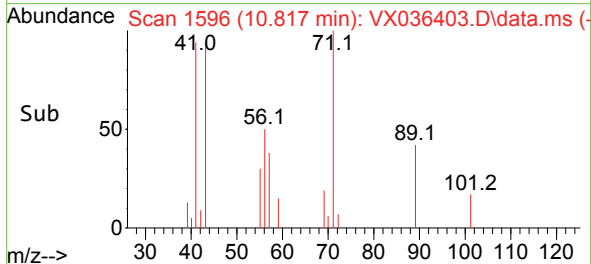
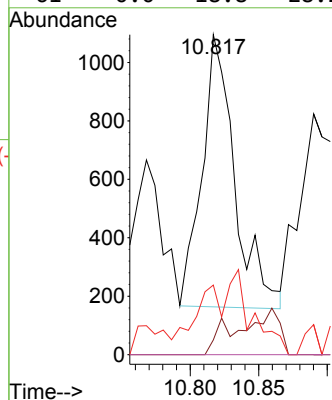
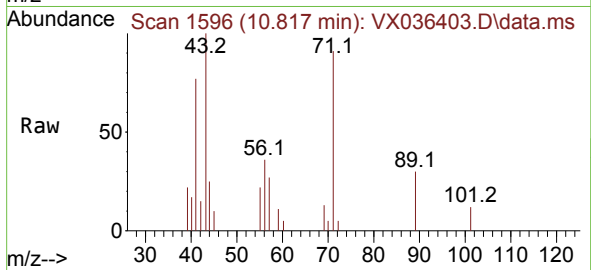
Ion Ratio Lower Upper

43 100

70 5.6 32.9 49.3#

55 21.0 19.3 28.9

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.406 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036403.D

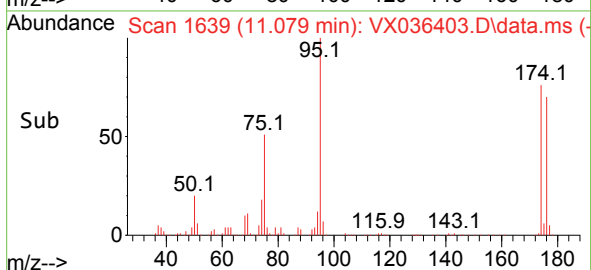
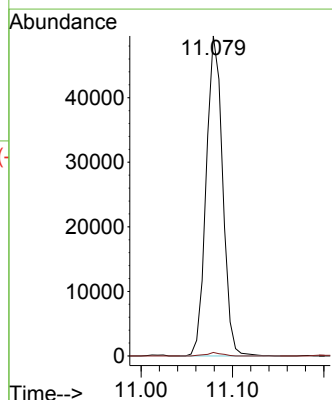
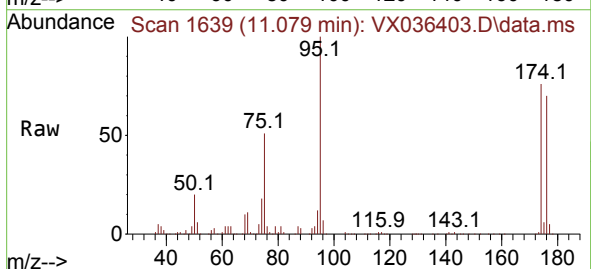
Acq: 05 Jul 2023 14:56

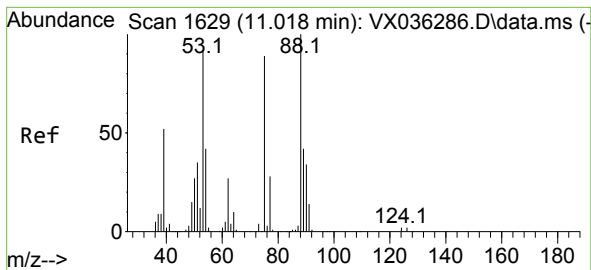
Tgt Ion: 75 Resp: 61641

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.817 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036403.D
 Acq: 05 Jul 2023 14:56

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#04

Tgt Ion: 75 Resp: 61641
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

