

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071023\
 Data File : VX036483.D
 Acq On : 10 Jul 2023 15:21
 Operator : JC/MD
 Sample : PB154051ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#05

Quant Time: Jul 11 01:29:49 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)

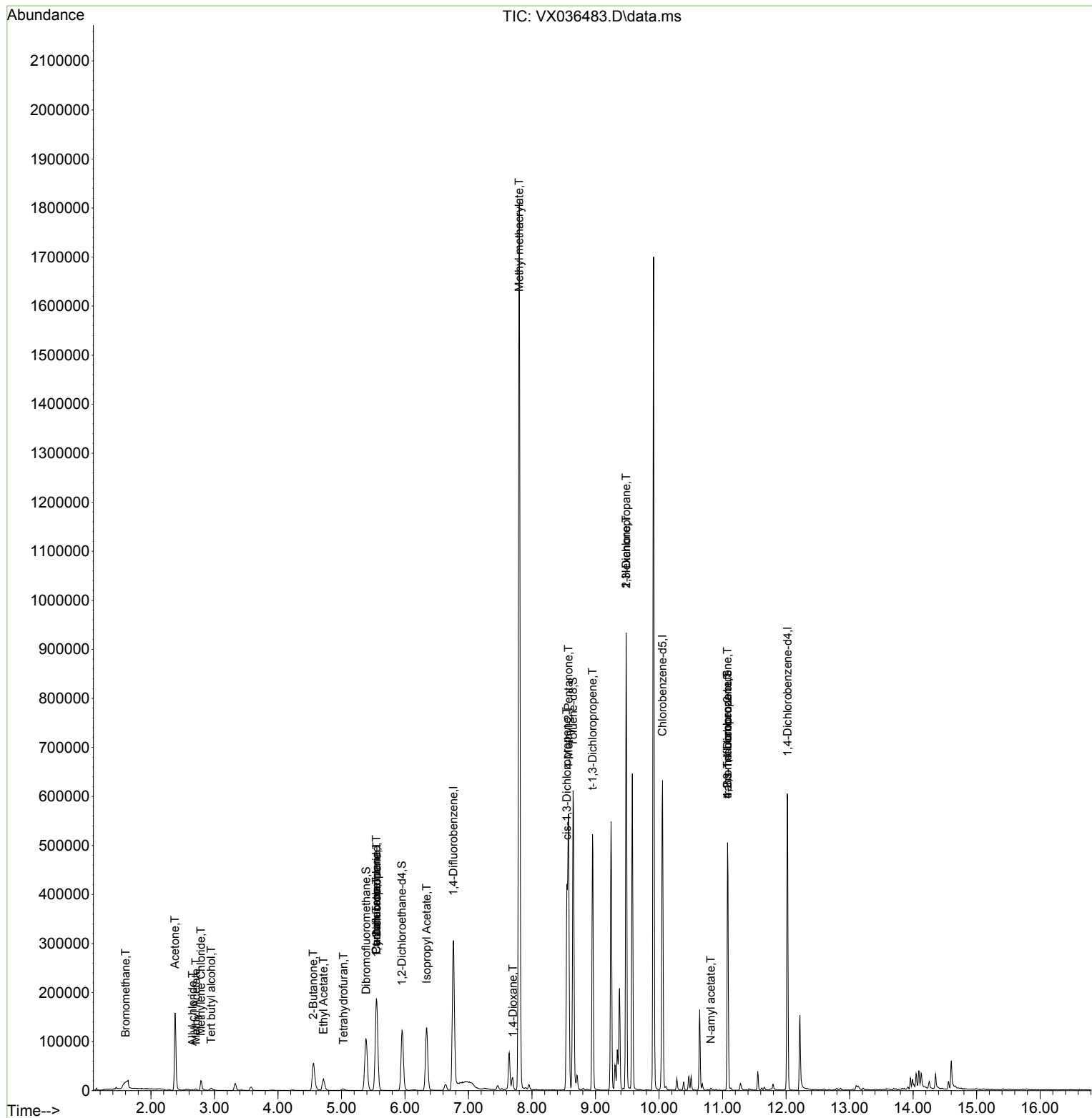
Internal Standards						
1) Pentafluorobenzene	5.550	168	176537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	303922	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	276749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	117691	46.508	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.020%		
35) Dibromofluoromethane	5.385	113	94203	47.008	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.020%		
50) Toluene-d8	8.647	98	367963	49.161	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.320%		
62) 4-Bromofluorobenzene	11.079	95	130801	49.613	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.220%		
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	818	0.353	ug/l #	25
11) Tert butyl alcohol	2.947	59	5564	12.079	ug/l #	82
14) Allyl chloride	2.654	41	1645	0.505	ug/l #	40
16) Acetone	2.380	43	173874	160.753	ug/l	93
18) Methyl Acetate	2.709	43	3794	0.853	ug/l	96
20) Methylene Chloride	2.788	84	10157	4.361	ug/l	90
25) 2-Butanone	4.556	43	98760	63.549	ug/l	99
29) Tetrahydrofuran	5.032	42	3062	3.095	ug/l #	86
31) Cyclohexane	5.550	56	3784	1.167	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14346	4.803	ug/l #	49
37) Ethyl Acetate	4.715	43	41088	13.495	ug/l	99
38) Carbon Tetrachloride	5.550	117	17862	6.547	ug/l #	15
43) Isopropyl Acetate	6.342	43	178515	36.755	ug/l	98
48) Methyl methacrylate	7.799	41	151346	62.496	ug/l #	49
49) 1,4-Dioxane	7.702	88	48	0.894	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	437754	139.895	ug/l #	87
53) t-1,3-Dichloropropene	8.952	75	1322	0.452	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	60585	18.339	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	7805	2.072	ug/l #	42
59) 2-Hexanone	9.482	43	104258	45.626	ug/l #	53
74) N-amyl acetate	10.817	43	1355	0.362	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	66480	24.835	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	66480	80.954	ug/l #	5

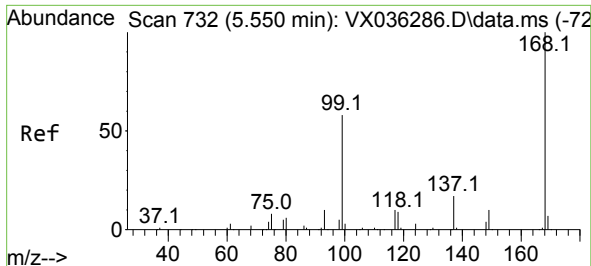
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Jul 11 01:29:49 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

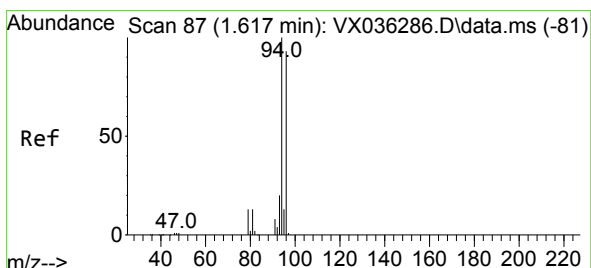
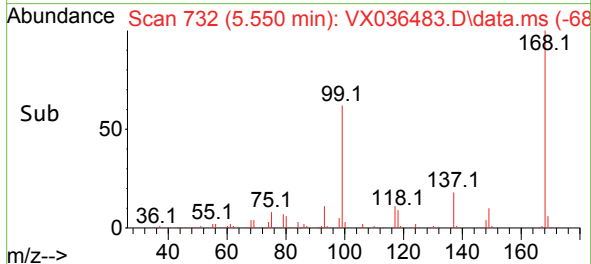
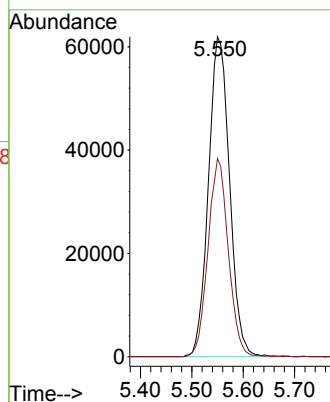
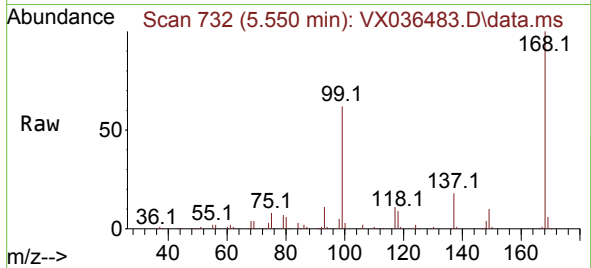




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

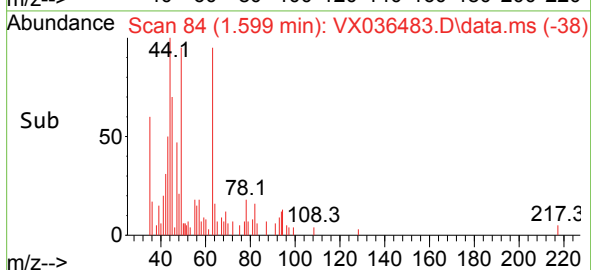
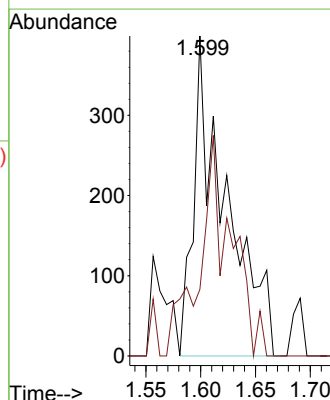
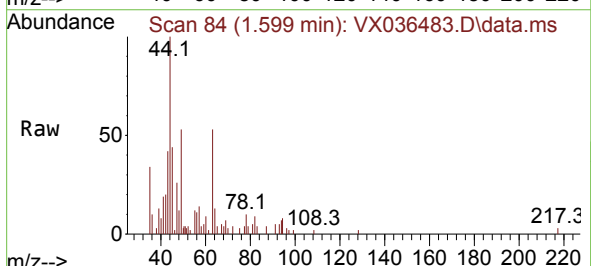
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#05

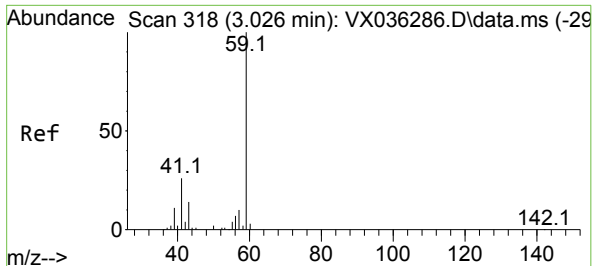
Tgt Ion:168 Resp: 176537
Ion Ratio Lower Upper
168 100
99 62.0 56.6 85.0



#5
Bromomethane
Concen: 0.353 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.018 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

Tgt Ion: 94 Resp: 818
Ion Ratio Lower Upper
94 100
96 20.8 74.6 111.8#





#11

Tert butyl alcohol

Concen: 12.079 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.066 min

Lab File: VX036483.D

Acq: 10 Jul 2023 15:21

Instrument :

MSVOA_X

ClientSampleId :

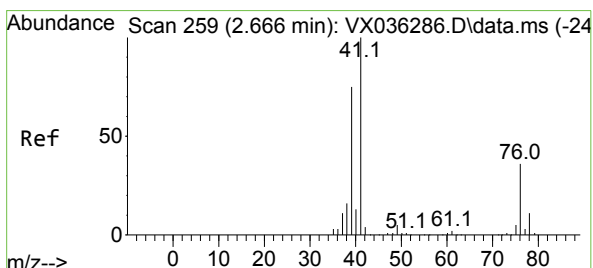
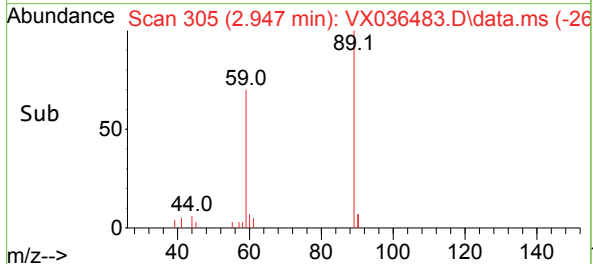
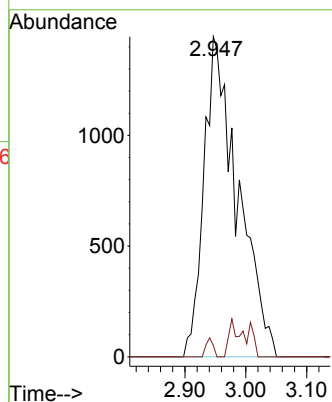
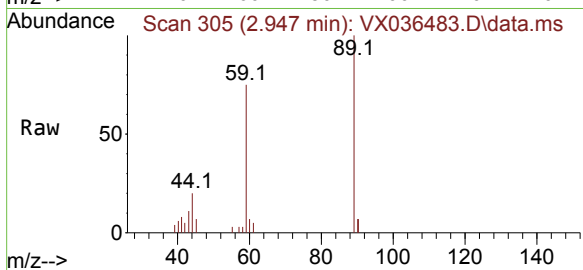
PB154051ZHE#05

Tgt Ion: 59 Resp: 5564

Ion Ratio Lower Upper

59 100

57 1.3 6.0 9.0#



#14

Allyl chloride

Concen: 0.505 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.012 min

Lab File: VX036483.D

Acq: 10 Jul 2023 15:21

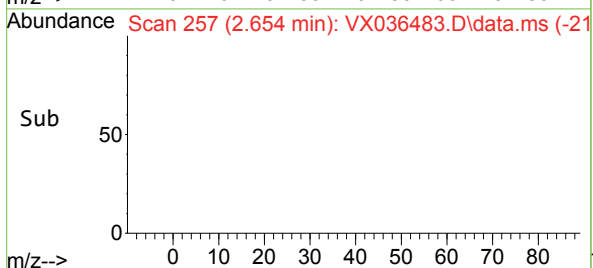
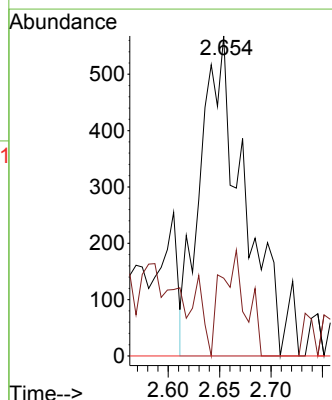
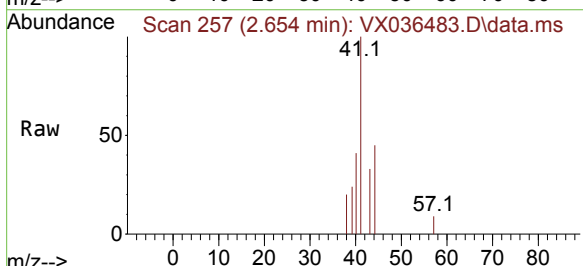
Tgt Ion: 41 Resp: 1645

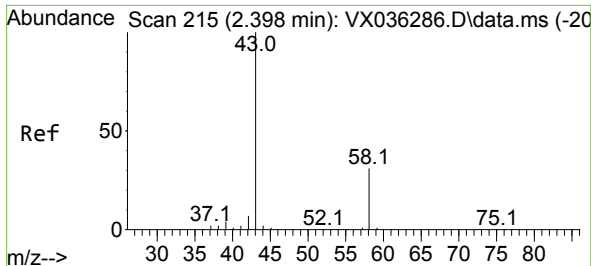
Ion Ratio Lower Upper

41 100

39 18.9 55.8 83.6#

76 0.0 24.3 36.5#

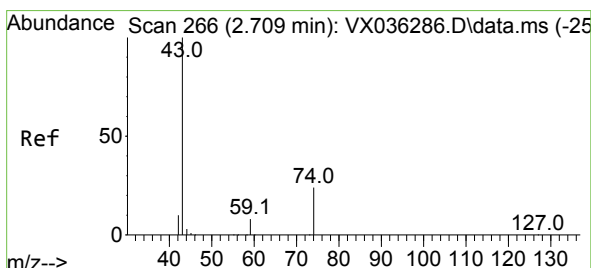
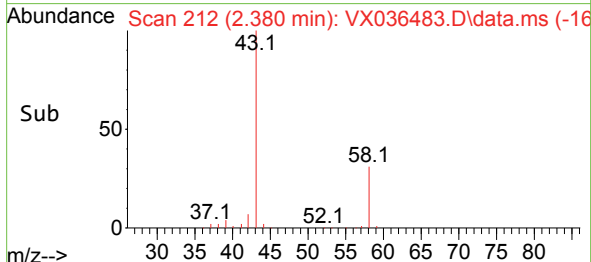
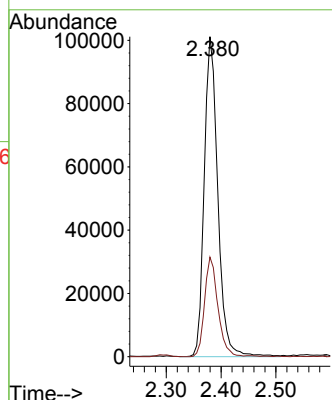
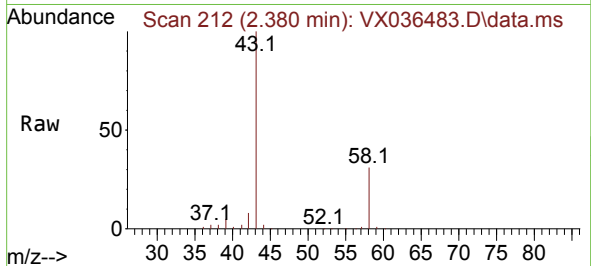




#16
Acetone
Concen: 160.753 ug/l
RT: 2.380 min Scan# 215
Delta R.T. -0.024 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

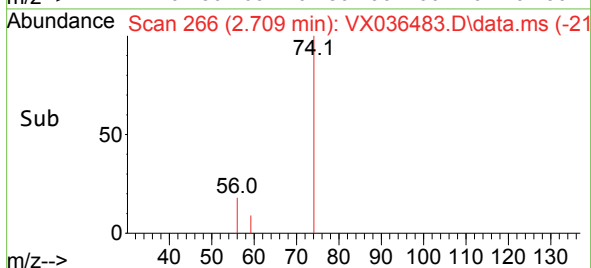
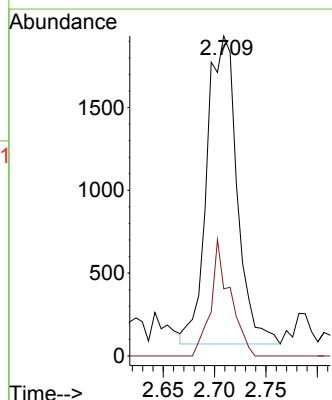
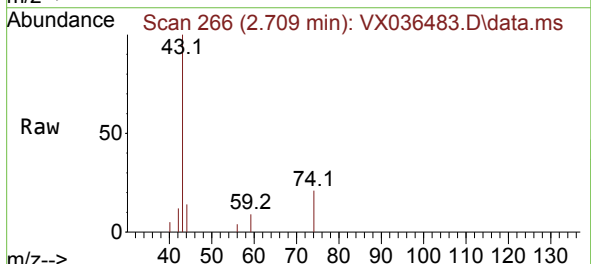
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#05

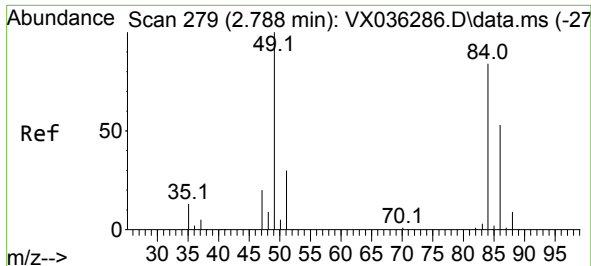
Tgt Ion: 43 Resp: 173874
Ion Ratio Lower Upper
43 100
58 31.1 21.9 32.9



#18
Methyl Acetate
Concen: 0.853 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

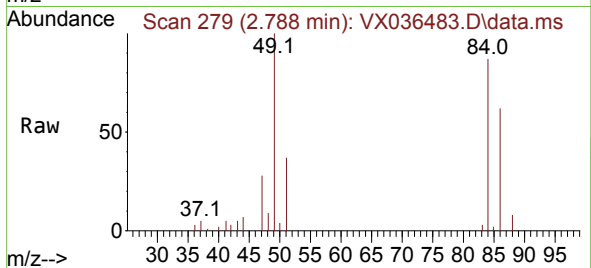
Tgt Ion: 43 Resp: 3794
Ion Ratio Lower Upper
43 100
74 24.0 17.8 26.8



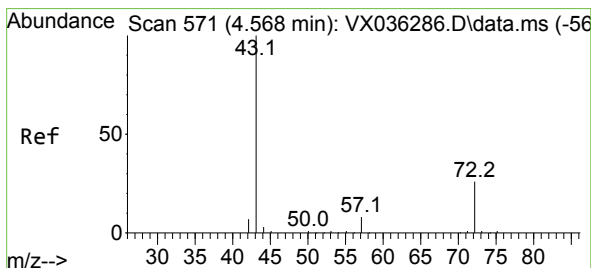
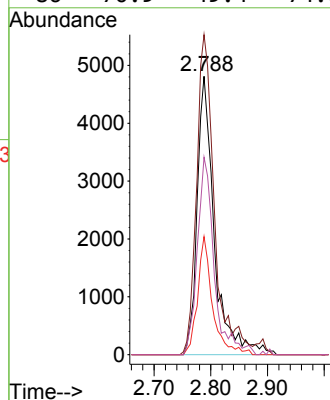


#20
Methylene Chloride
Concen: 4.361 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#05

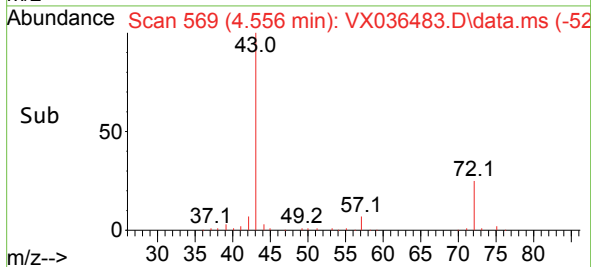
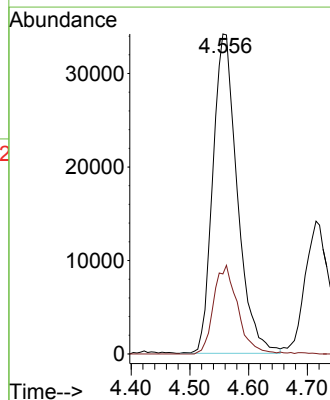
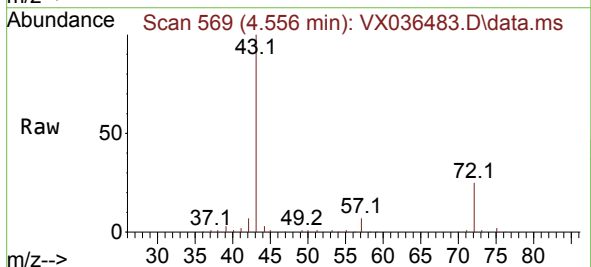


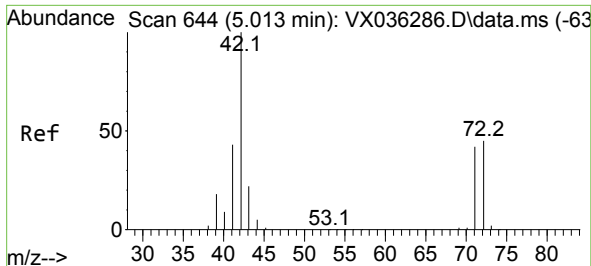
Tgt Ion:	84	Resp:	10157
Ion	Ratio	Lower	Upper
84	100		
49	114.9	103.6	155.4
51	42.4	33.8	50.6
86	70.9	49.4	74.0



#25
2-Butanone
Concen: 63.549 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.012 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

Tgt Ion:	43	Resp:	98760
Ion	Ratio	Lower	Upper
43	100		
72	25.0	19.4	29.2





#29

Tetrahydrofuran

Concen: 3.095 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.013 min

Lab File: VX036483.D

Acq: 10 Jul 2023 15:21

Instrument :

MSVOA_X

ClientSampleId :

PB154051ZHE#05

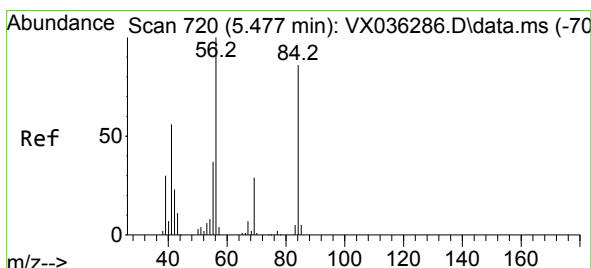
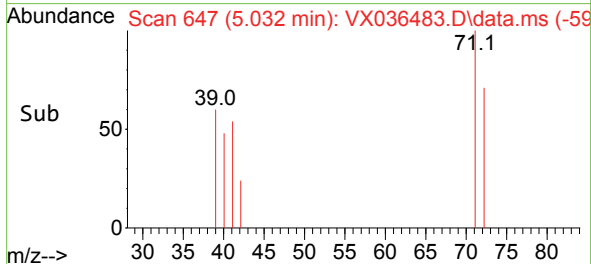
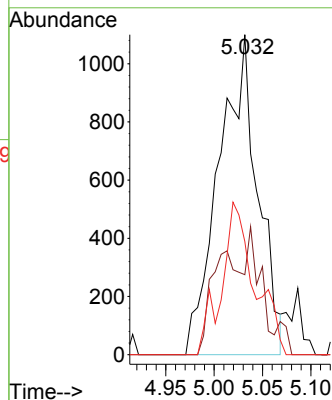
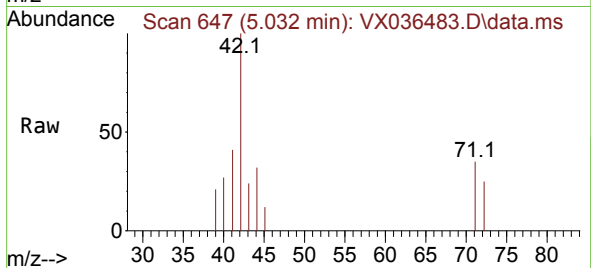
Tgt Ion: 42 Resp: 3062

Ion Ratio Lower Upper

42 100

72 25.8 34.2 51.4#

71 40.9 32.2 48.2



#31

Cyclohexane

Concen: 1.167 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX036483.D

Acq: 10 Jul 2023 15:21

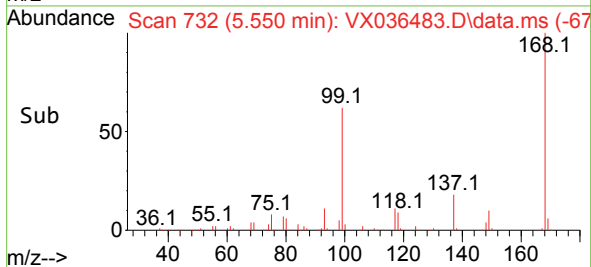
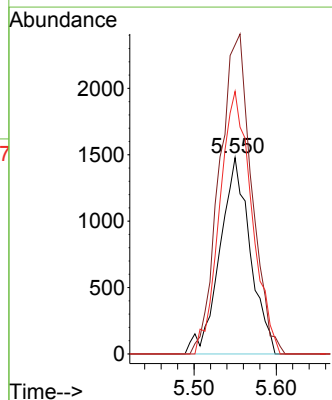
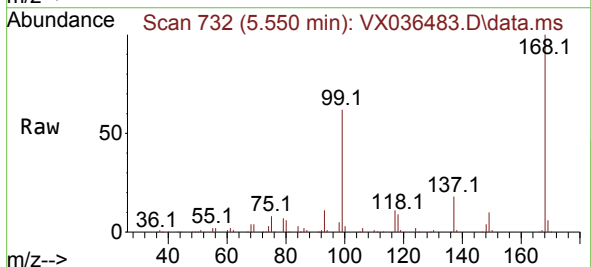
Tgt Ion: 56 Resp: 3784

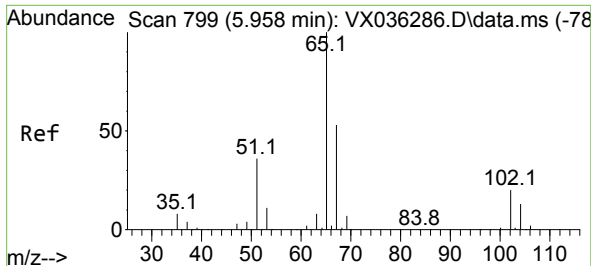
Ion Ratio Lower Upper

56 100

69 157.4 23.4 35.2#

84 133.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.508 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX036483.D

Acq: 10 Jul 2023 15:21

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ClientSampleId :

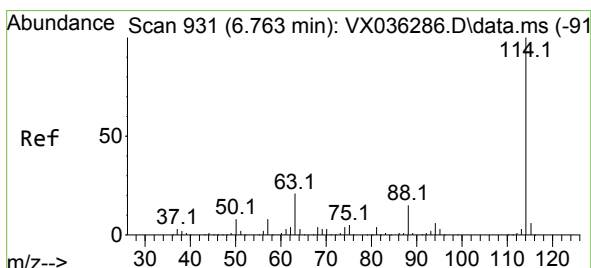
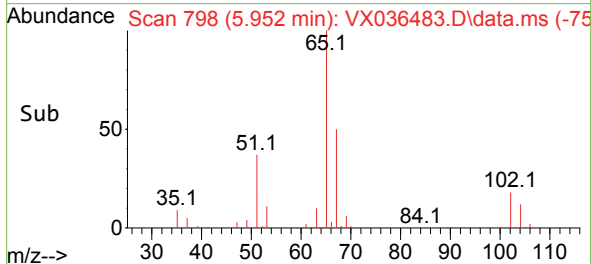
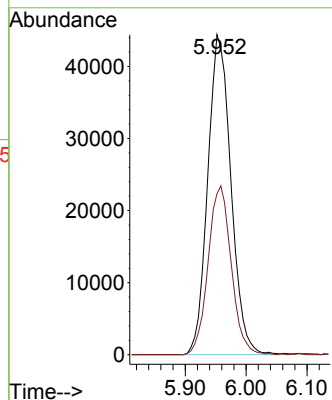
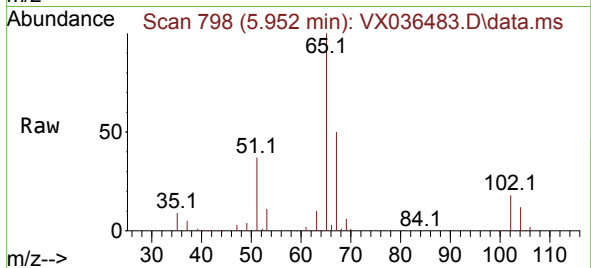
PB154051ZHE#05

Tgt Ion: 65 Resp: 117691

Ion Ratio Lower Upper

65 100

67 52.5 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: VX036483.D

Acq: 10 Jul 2023 15:21

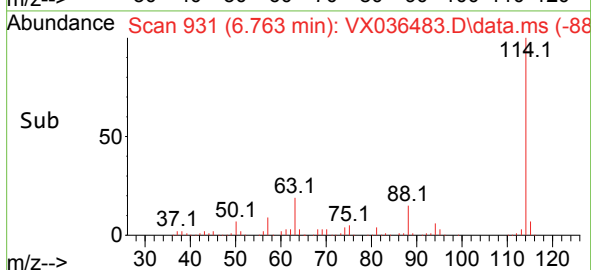
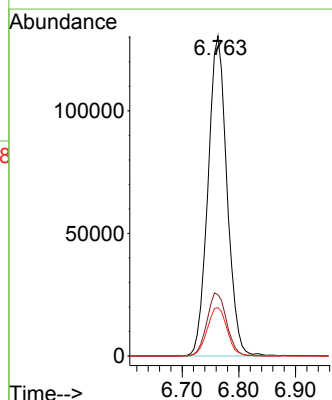
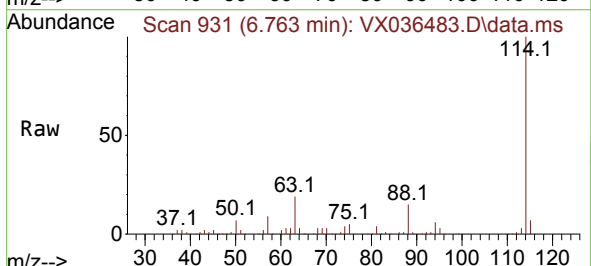
Tgt Ion: 114 Resp: 303922

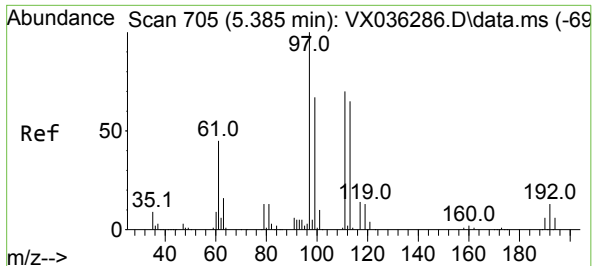
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

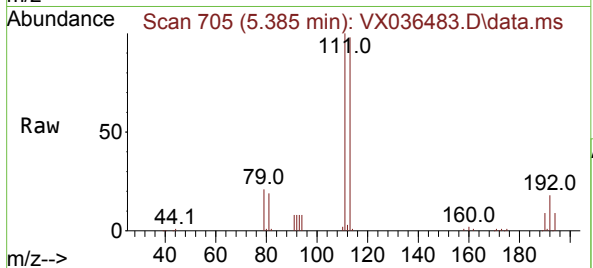
88 15.1 0.0 36.6



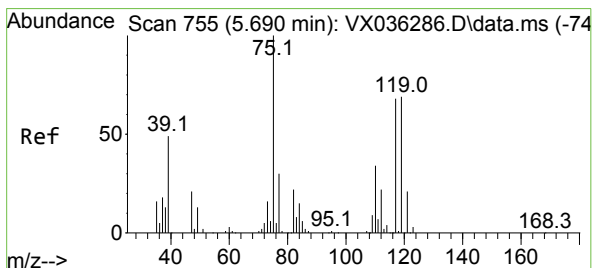
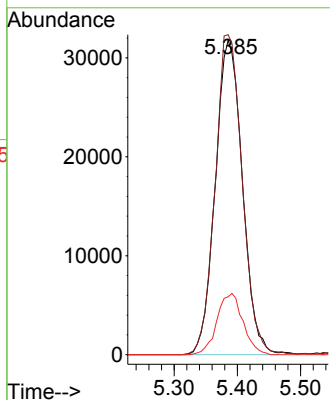
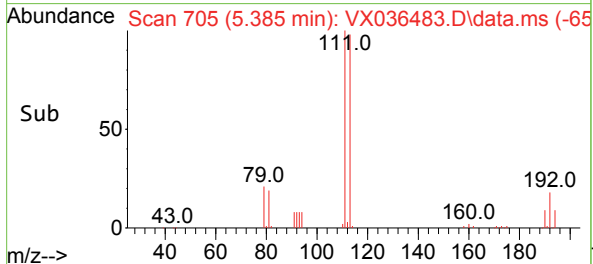


#35
Dibromofluoromethane
Concen: 47.008 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

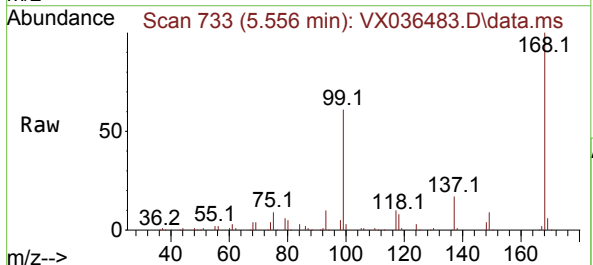
Instrument :
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PB154051ZHE#05



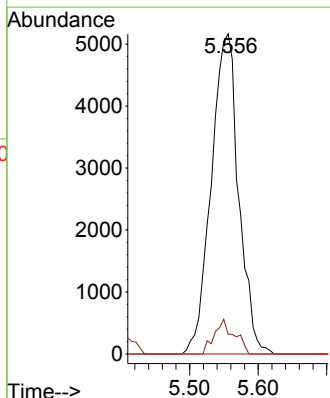
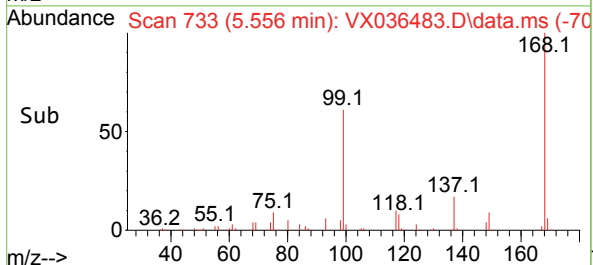
Tgt Ion:113 Resp: 94203
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 18.7 13.3 19.9

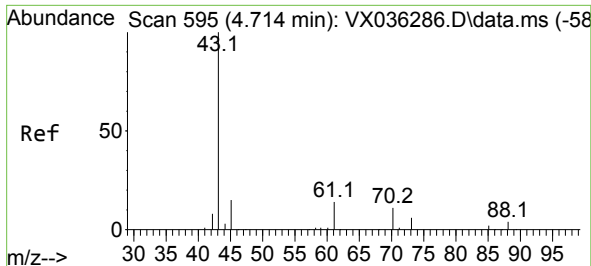


#36
1,1-Dichloropropene
Concen: 4.803 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21



Tgt Ion: 75 Resp: 14346
Ion Ratio Lower Upper
75 100
110 7.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 13.495 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.001 min

Lab File: VX036483.D

Acq: 10 Jul 2023 15:21

Instrument :

MSVOA_X

ClientSampleId :

PB154051ZHE#05

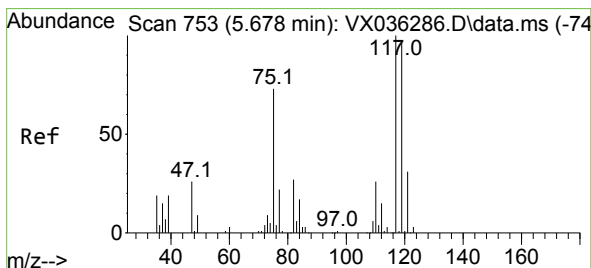
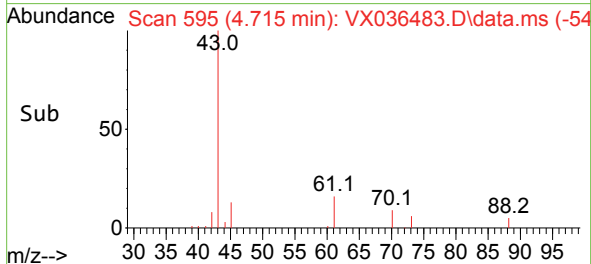
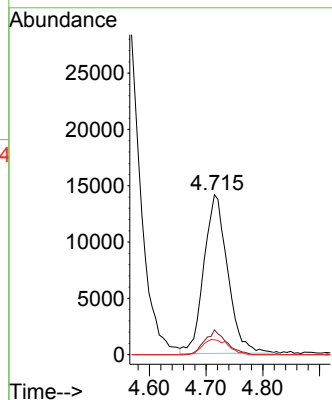
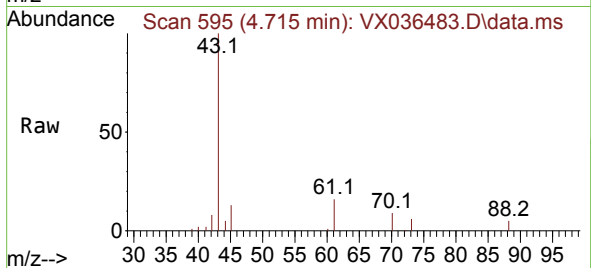
Tgt Ion: 43 Resp: 41088

Ion Ratio Lower Upper

43 100

61 14.0 10.6 16.0

70 10.4 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.547 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX036483.D

Acq: 10 Jul 2023 15:21

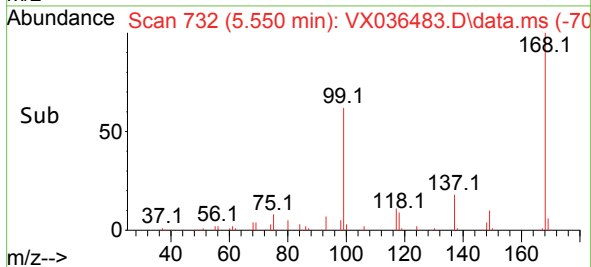
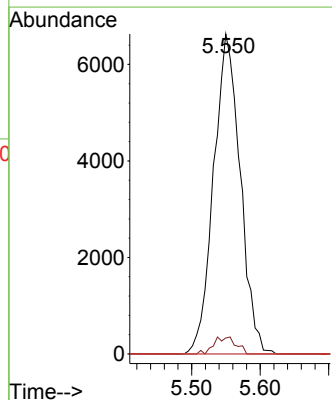
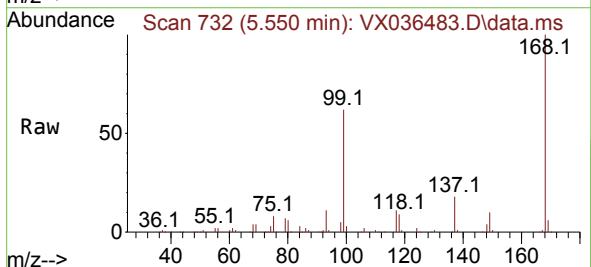
Tgt Ion: 117 Resp: 17862

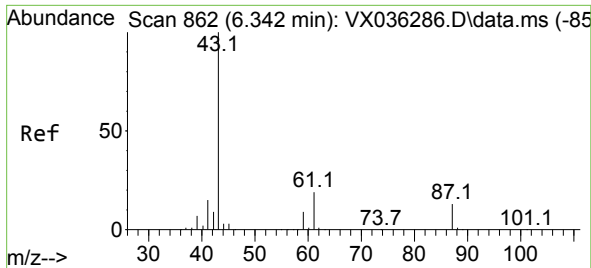
Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.2#

121 0.0 24.4 36.6#

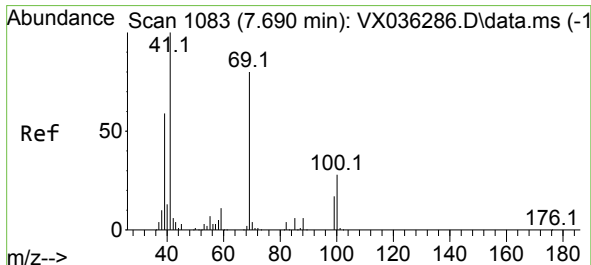
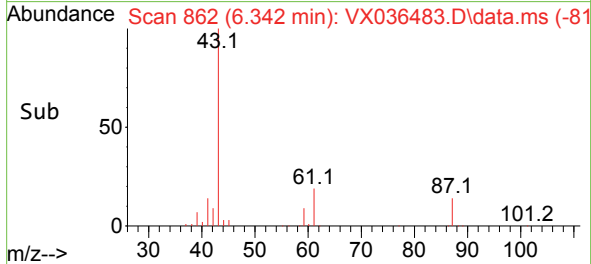
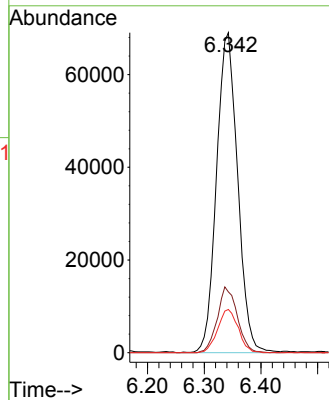
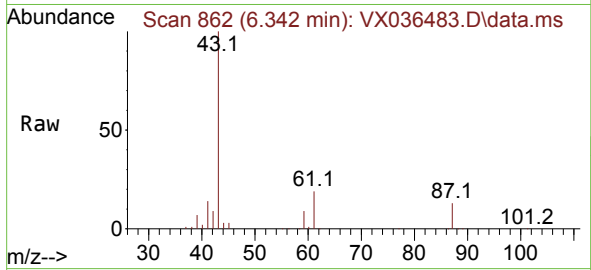




#43
Isopropyl Acetate
Concen: 36.755 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

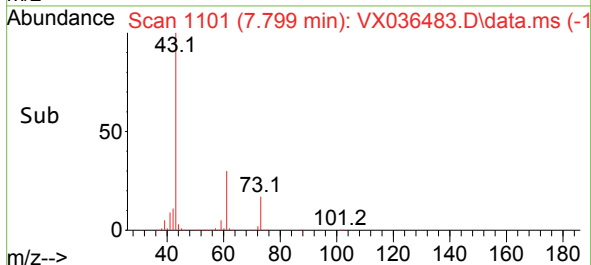
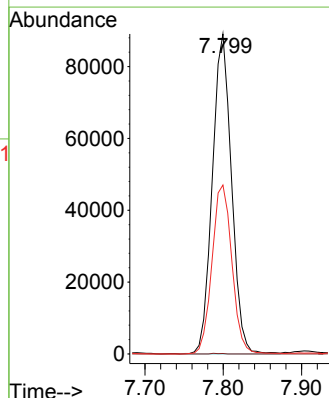
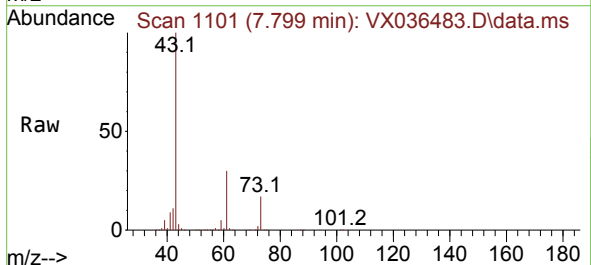
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#05

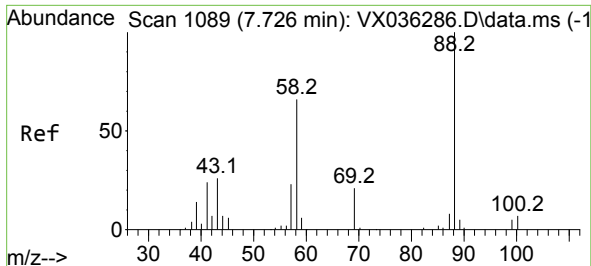
Tgt Ion: 43 Resp: 178515
Ion Ratio Lower Upper
43 100
61 19.5 15.2 22.8
87 13.2 9.8 14.6



#48
Methyl methacrylate
Concen: 62.496 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

Tgt Ion: 41 Resp: 151346
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 55.0 47.7 71.5

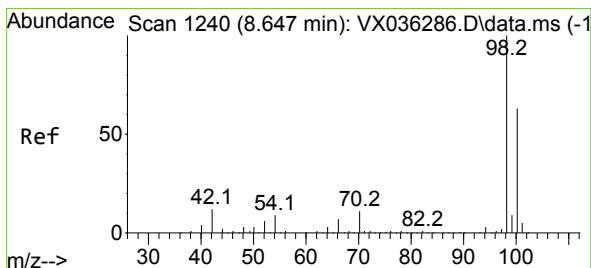
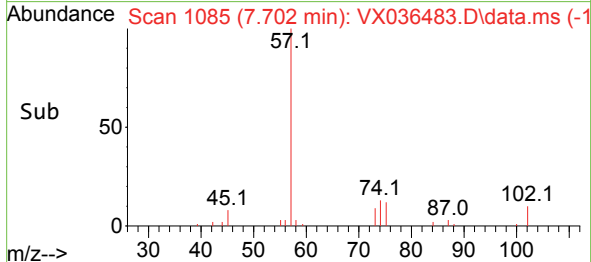
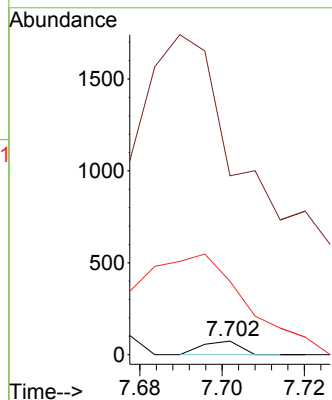
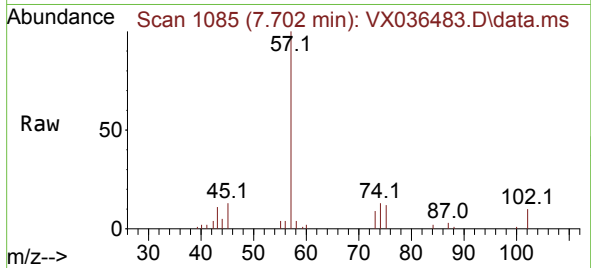




#49
1,4-Dioxane
Concen: 0.894 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. -0.030 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

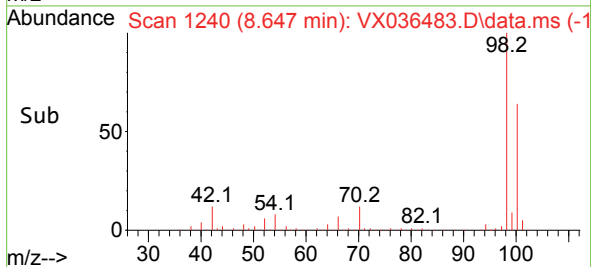
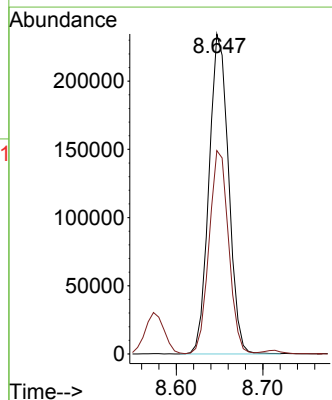
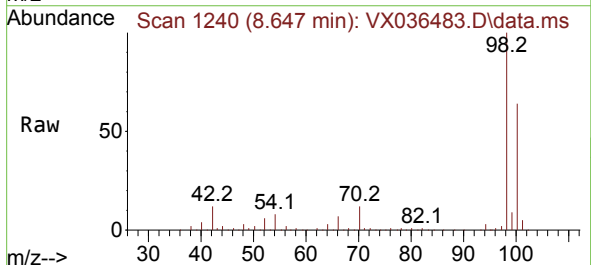
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#05

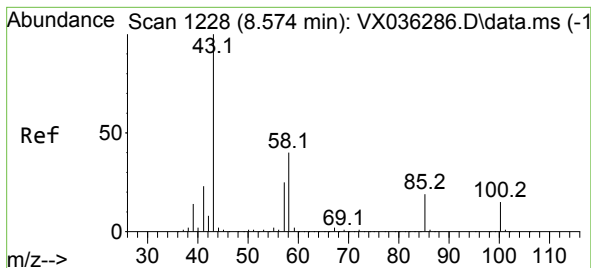
Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 2081.3 60.1 90.1#



#50
Toluene-d8
Concen: 49.161 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

Tgt Ion: 98 Resp: 367963
Ion Ratio Lower Upper
98 100
100 63.4 53.1 79.7

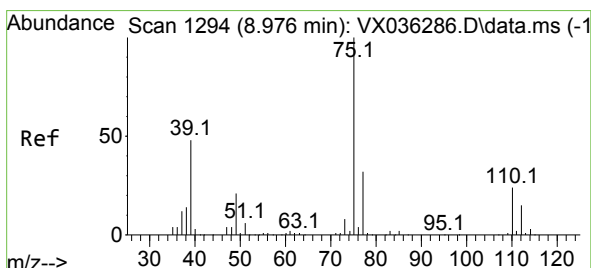
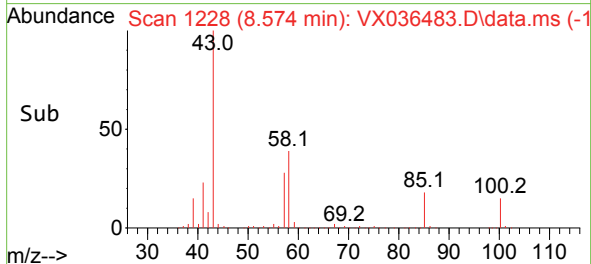
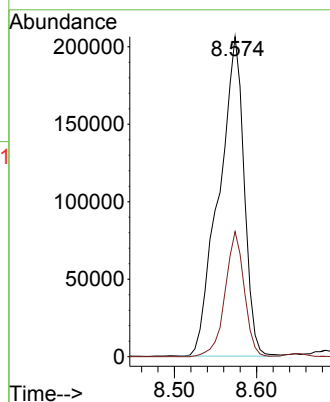
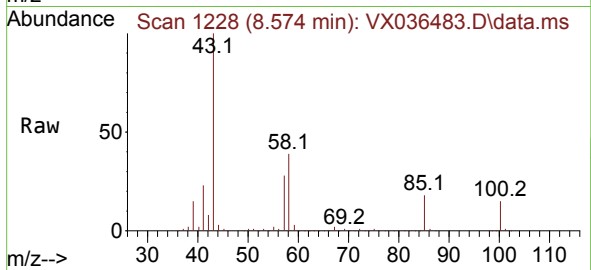




#51
4-Methyl-2-Pentanone
Concen: 139.895 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

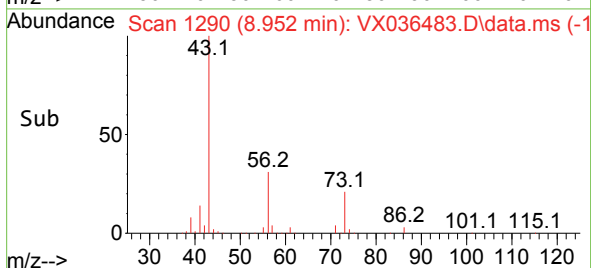
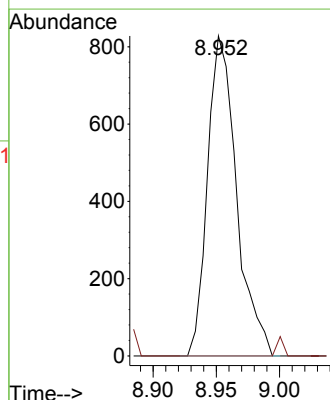
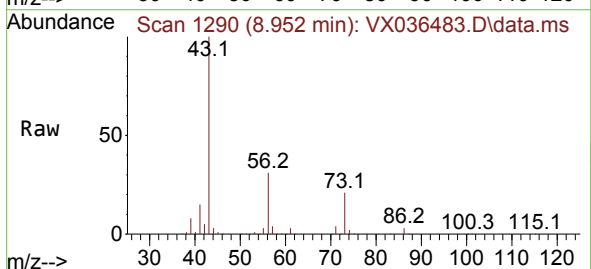
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#05

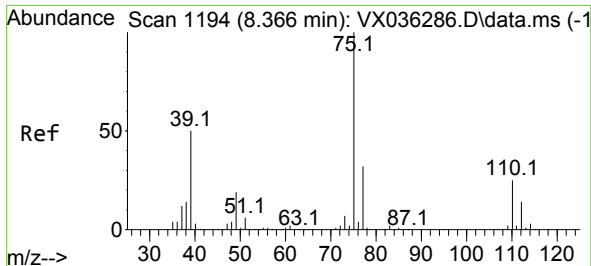
Tgt Ion: 43 Resp: 437754
Ion Ratio Lower Upper
43 100
58 29.9 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.452 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

Tgt Ion: 75 Resp: 1322
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

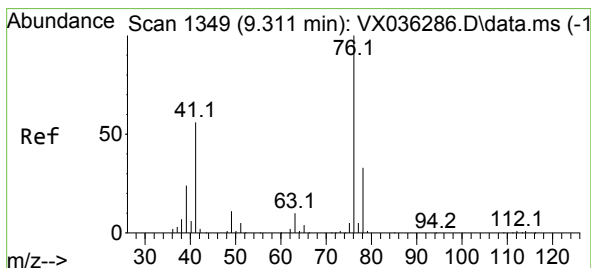
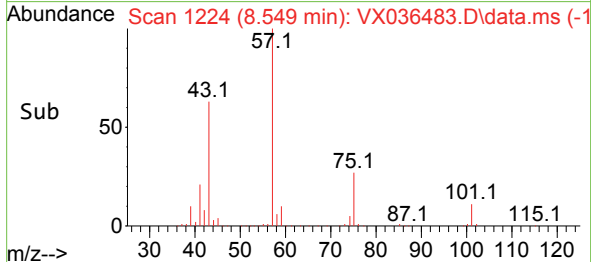
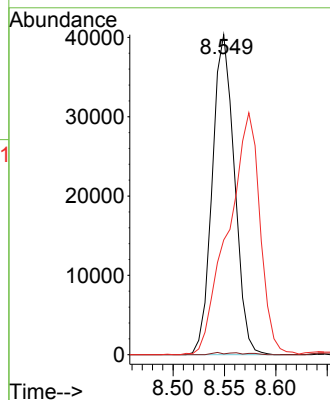
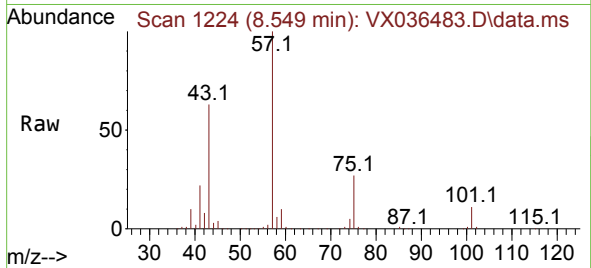




#54
 cis-1,3-Dichloropropene
 Concen: 18.339 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036483.D
 Acq: 10 Jul 2023 15:21

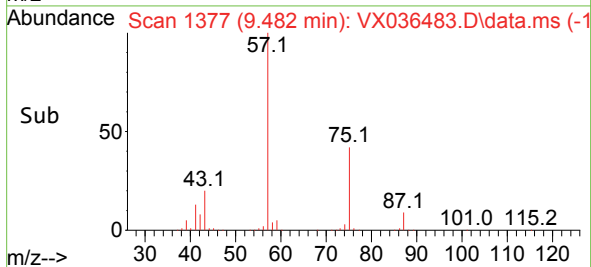
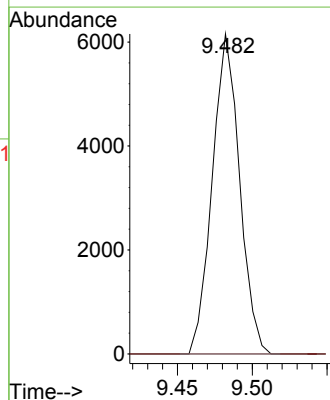
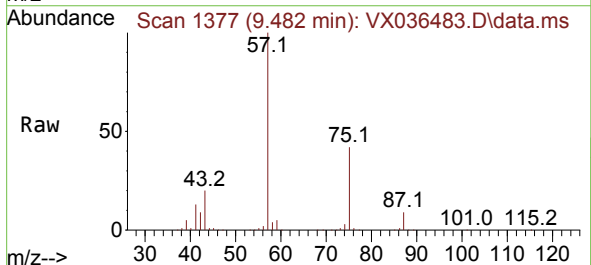
Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#05

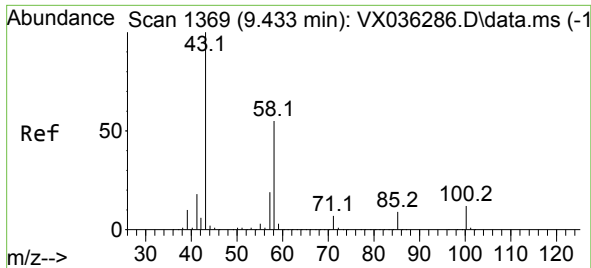
Tgt Ion: 75 Resp: 60585
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 35.9 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.072 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036483.D
 Acq: 10 Jul 2023 15:21

Tgt Ion: 76 Resp: 7805
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

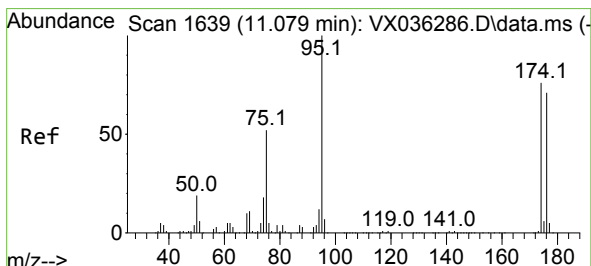
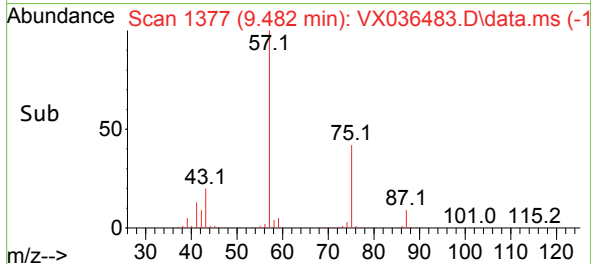
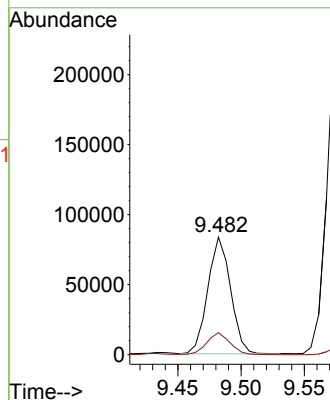
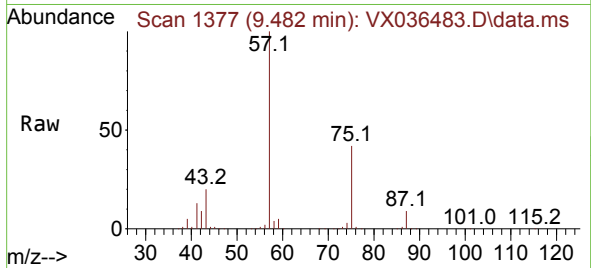




#59
2-Hexanone
Concen: 45.626 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

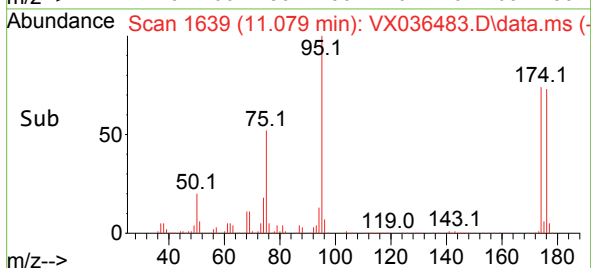
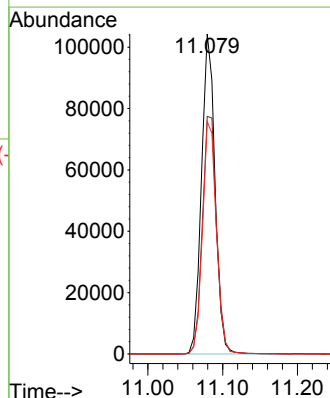
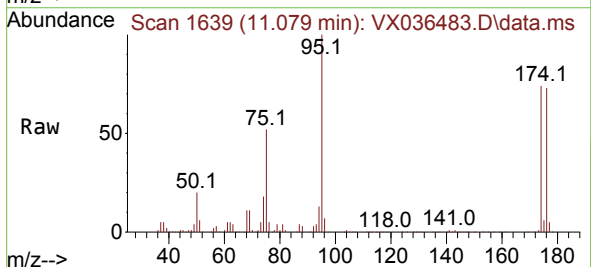
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#05

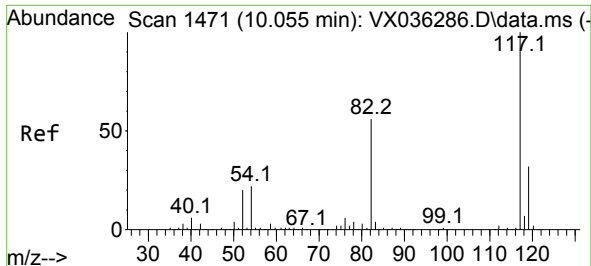
Tgt Ion: 43 Resp: 104258
Ion Ratio Lower Upper
43 100
58 19.4 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.613 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

Tgt Ion: 95 Resp: 130801
Ion Ratio Lower Upper
95 100
174 78.7 0.0 135.6
176 74.5 0.0 131.0

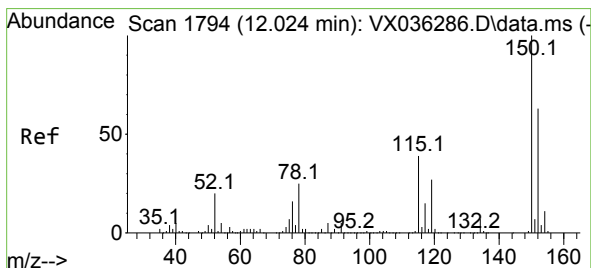
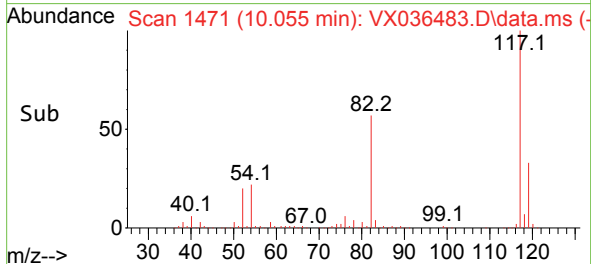
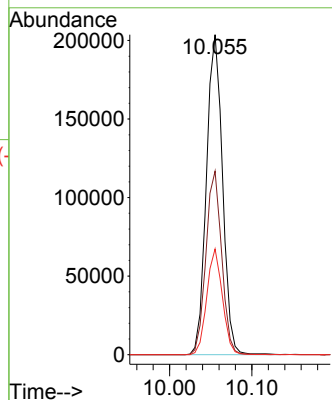
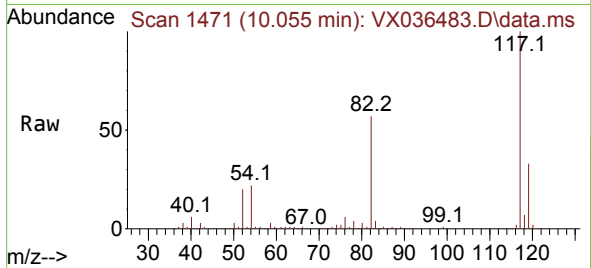




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

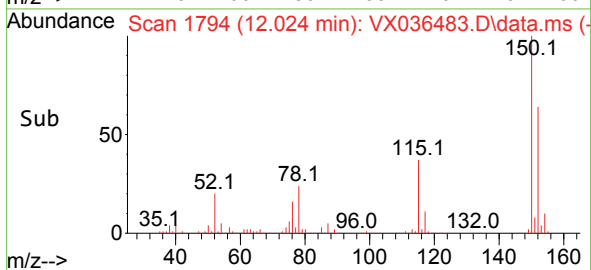
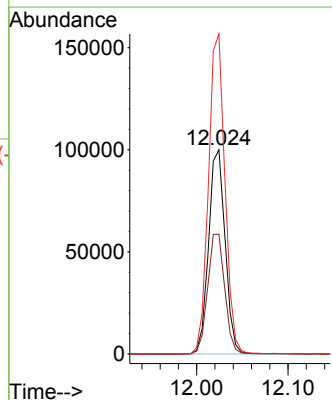
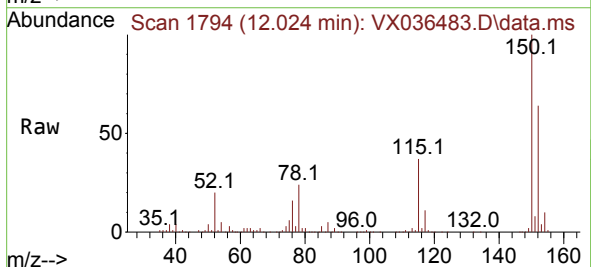
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#05

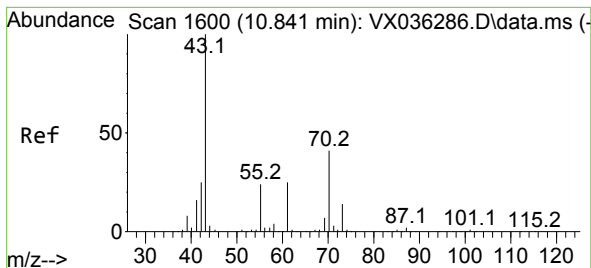
Tgt Ion:117 Resp: 276749
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.4
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036483.D
Acq: 10 Jul 2023 15:21

Tgt Ion:152 Resp: 125498
Ion Ratio Lower Upper
152 100
115 60.5 43.3 129.9
150 155.9 0.0 345.0





#74

N-amy1 acetate

Concen: 0.362 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

Lab File: VX036483.D

Acq: 10 Jul 2023 15:21

Instrument :

MSVOA_X

ClientSampleId :

PB154051ZHE#05

Tgt Ion: 43 Resp: 1355

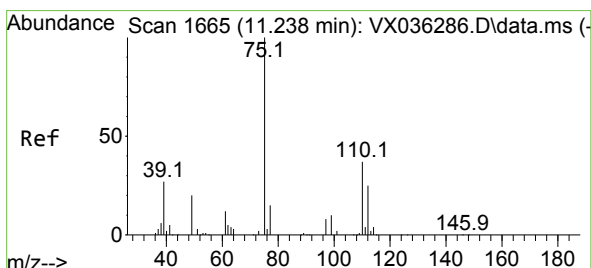
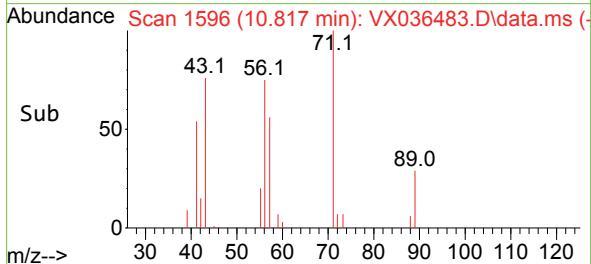
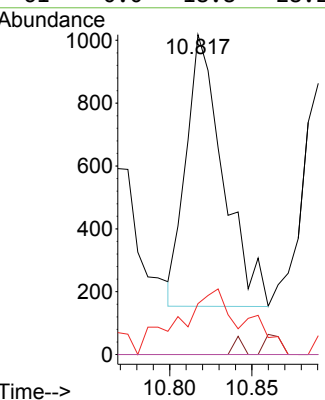
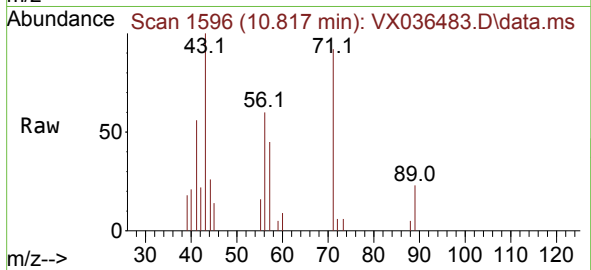
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 33.1 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.835 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036483.D

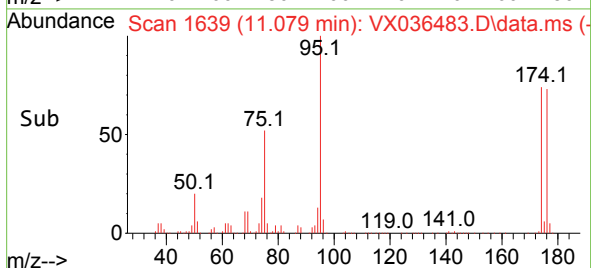
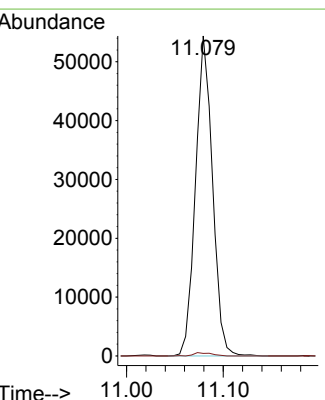
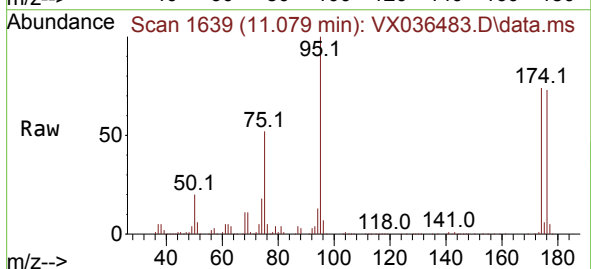
Acq: 10 Jul 2023 15:21

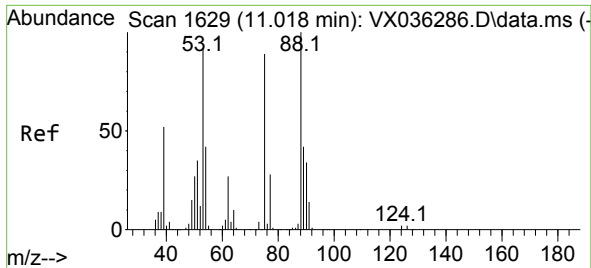
Tgt Ion: 75 Resp: 66480

Ion Ratio Lower Upper

75 100

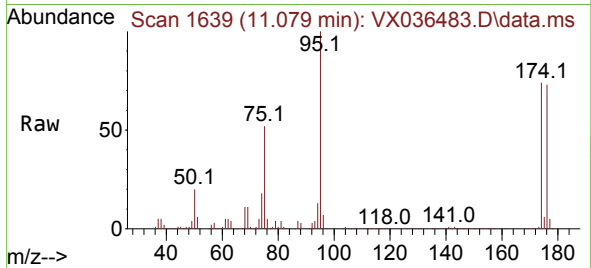
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.954 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036483.D
 Acq: 10 Jul 2023 15:21

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#05



Tgt Ion: 75 Resp: 66480
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

