

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036413.D
 Acq On : 05 Jul 2023 18:53
 Operator : JC/MD
 Sample : PB153983ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#14

Quant Time: Jul 06 04:56:18 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)

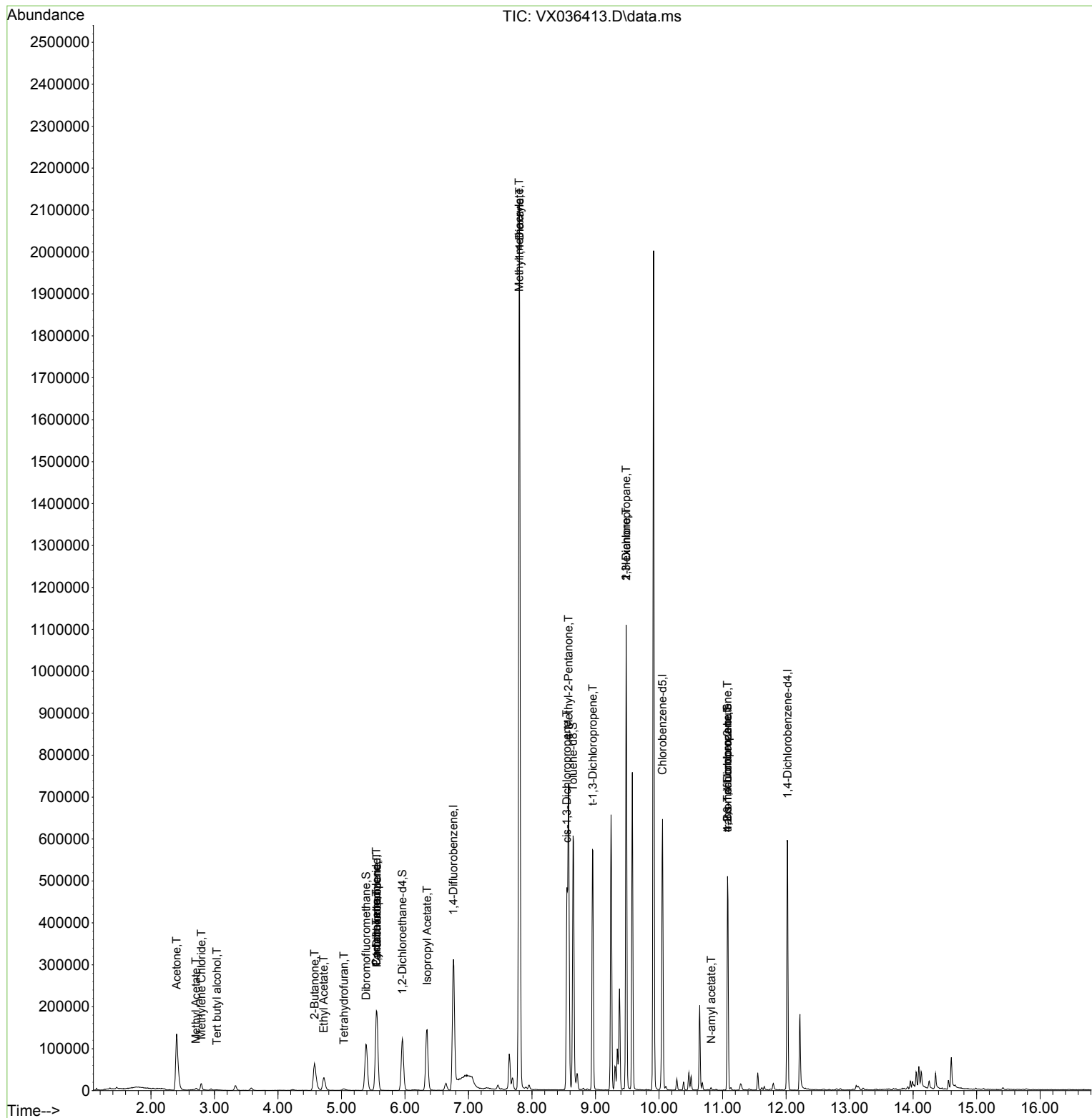
Internal Standards						
1) Pentafluorobenzene	5.556	168	183464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	309611	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	274592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	117101	44.528	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.060%		
35) Dibromofluoromethane	5.385	113	96173	47.109	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.220%		
50) Toluene-d8	8.647	98	368869	48.377	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.760%		
62) 4-Bromofluorobenzene	11.079	95	133660	49.766	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.540%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.038	59	2257	4.715	ug/l #	78
16) Acetone	2.404	43	228816	203.561	ug/l	93
18) Methyl Acetate	2.709	43	5212	1.128	ug/l #	91
20) Methylene Chloride	2.794	84	7820	3.231	ug/l	90
25) 2-Butanone	4.574	43	125608	77.773	ug/l	98
29) Tetrahydrofuran	5.038	42	4292	4.174	ug/l #	71
31) Cyclohexane	5.550	56	4347	1.290	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13911	4.571	ug/l #	46
37) Ethyl Acetate	4.721	43	55329	17.839	ug/l	98
38) Carbon Tetrachloride	5.550	117	17727	6.378	ug/l #	15
43) Isopropyl Acetate	6.348	43	205642	41.562	ug/l	98
48) Methyl methacrylate	7.799	41	174033	70.544	ug/l #	48
49) 1,4-Dioxane	7.806	88	364	6.656	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	548642	172.111	ug/l #	87
53) t-1,3-Dichloropropene	8.958	75	1352	0.454	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	72236	21.465	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	9346	2.436	ug/l #	42
59) 2-Hexanone	9.482	43	123771	53.170	ug/l #	53
74) N-amyl acetate	10.823	43	1755	0.464	ug/l #	59
76) 1,2,3-Trichloropropane	11.079	75	67927	25.078	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	67927	81.749	ug/l #	5

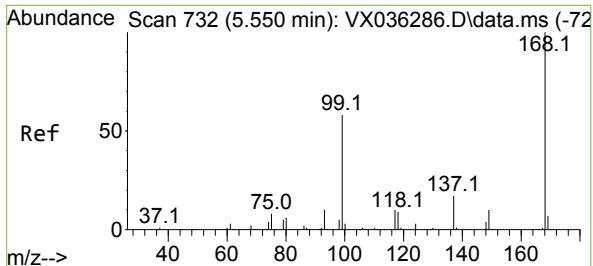
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
Data File : VX036413.D
Acq On : 05 Jul 2023 18:53
Operator : JC/MD
Sample : PB153983ZHE#14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#14

Quant Time: Jul 06 04:56:18 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

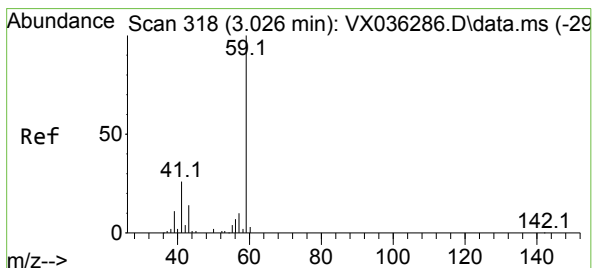
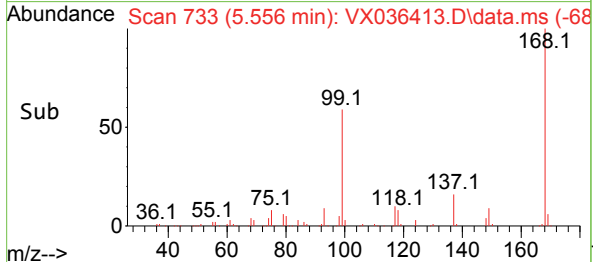
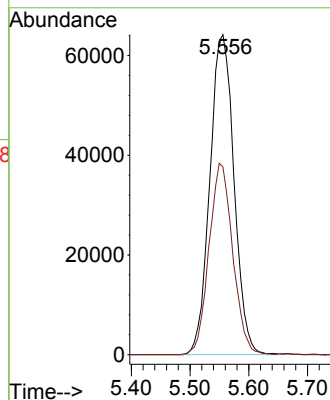
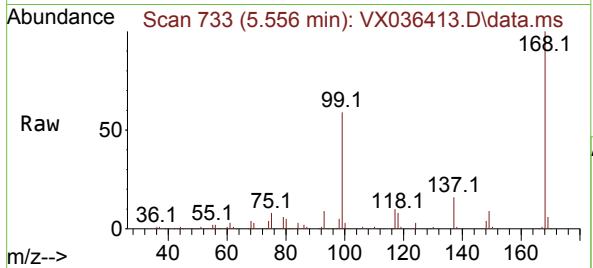




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

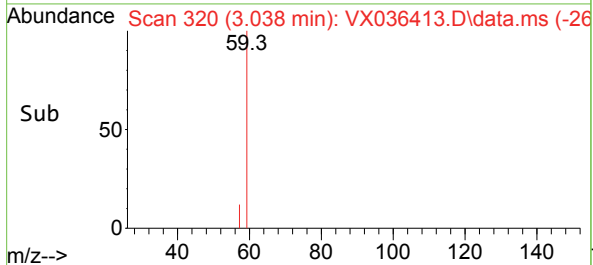
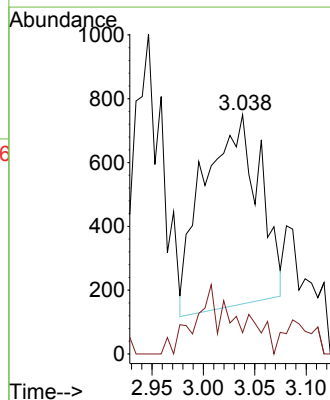
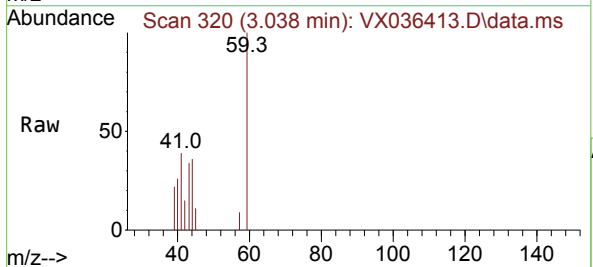
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#14

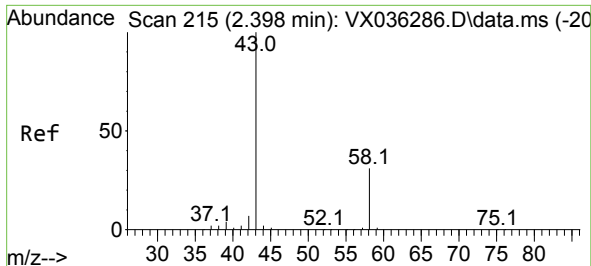
Tgt Ion:168 Resp: 183464
Ion Ratio Lower Upper
168 100
99 58.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 4.715 ug/l
RT: 3.038 min Scan# 320
Delta R.T. 0.025 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

Tgt Ion: 59 Resp: 2257
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

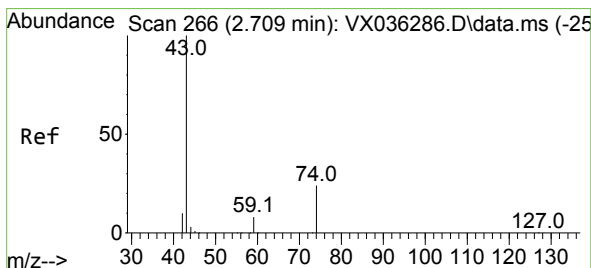
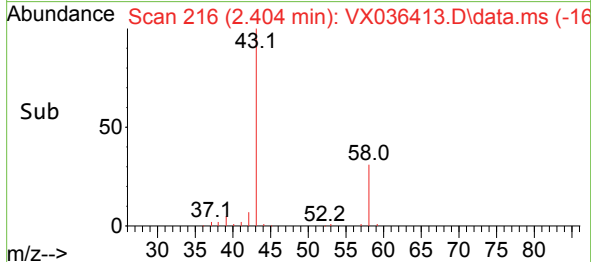
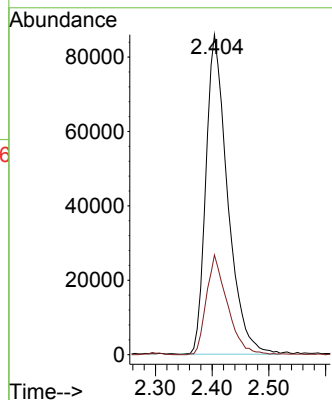
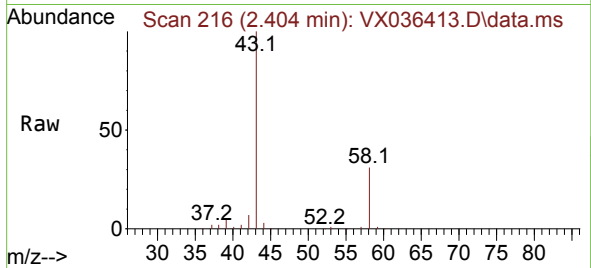




#16
Acetone
Concen: 203.561 ug/l
RT: 2.404 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

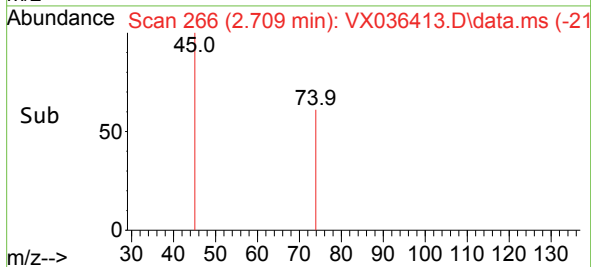
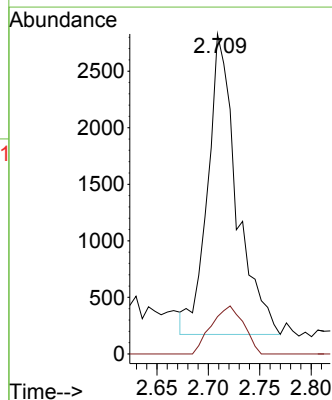
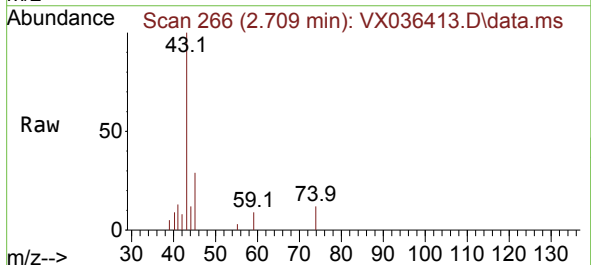
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#14

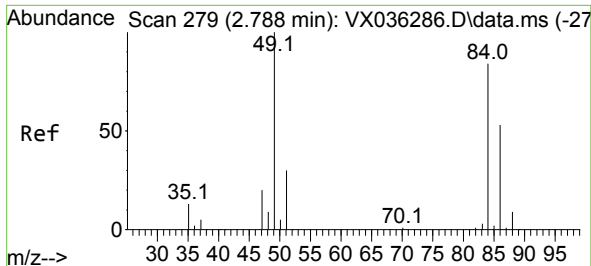
Tgt Ion: 43 Resp: 228816
Ion Ratio Lower Upper
43 100
58 31.2 21.9 32.9



#18
Methyl Acetate
Concen: 1.128 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

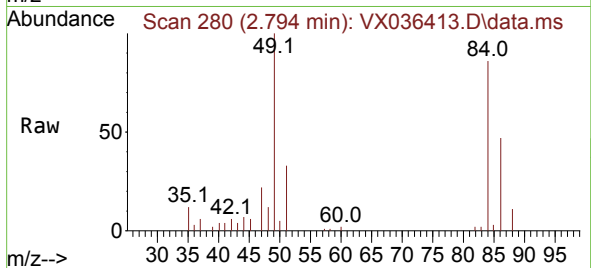
Tgt Ion: 43 Resp: 5212
Ion Ratio Lower Upper
43 100
74 17.8 17.8 26.8#



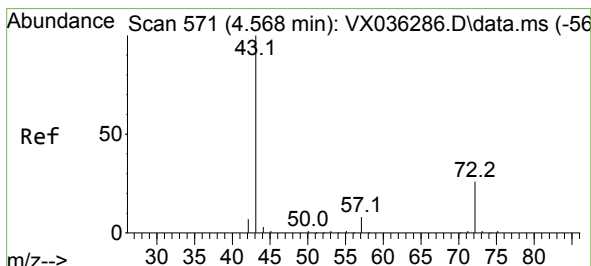
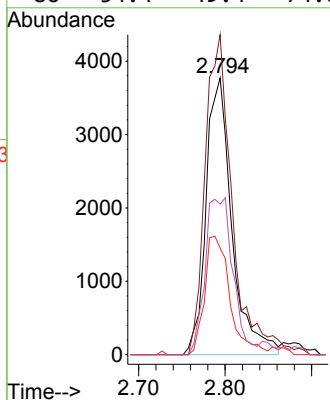
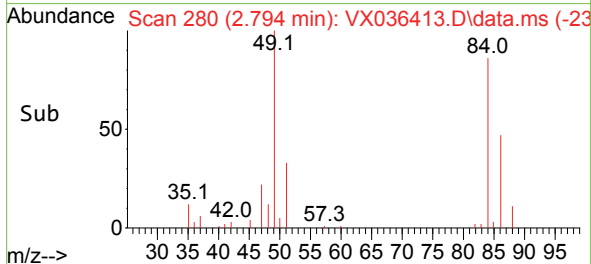


#20
Methylene Chloride
Concen: 3.231 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#14

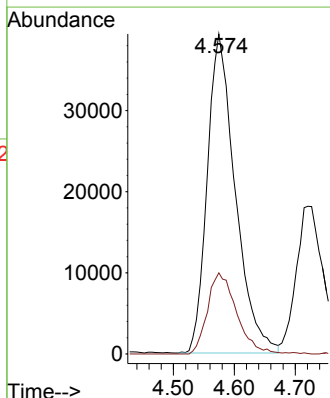
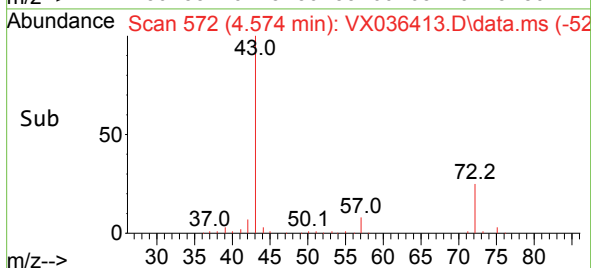
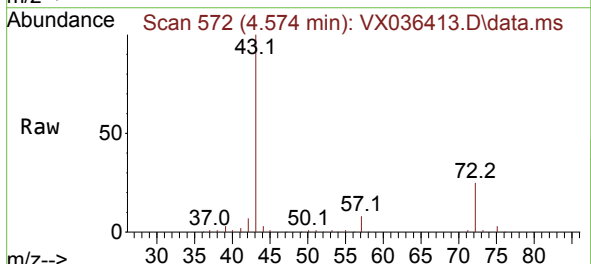


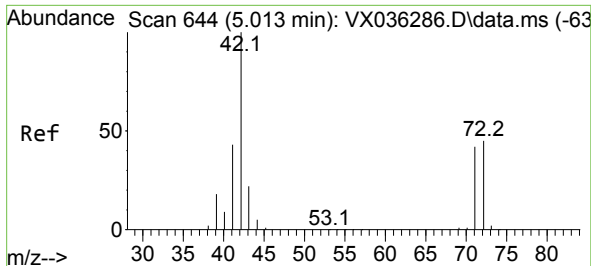
Tgt Ion: 84	Resp: 7820
Ion Ratio	Lower Upper
84 100	
49 115.6	103.6 155.4
51 38.6	33.8 50.6
86 54.4	49.4 74.0



#25
2-Butanone
Concen: 77.773 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

Tgt Ion: 43	Resp: 125608
Ion Ratio	Lower Upper
43 100	
72 25.4	19.4 29.2





#29

Tetrahydrofuran

Concen: 4.174 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.019 min

Lab File: VX036413.D

Acq: 05 Jul 2023 18:53

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#14

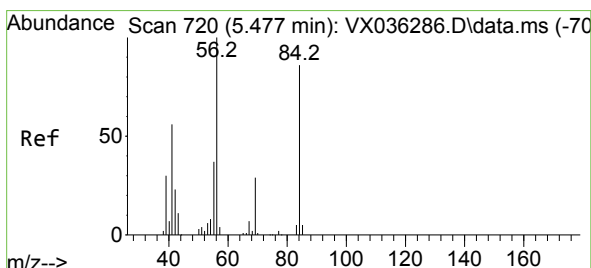
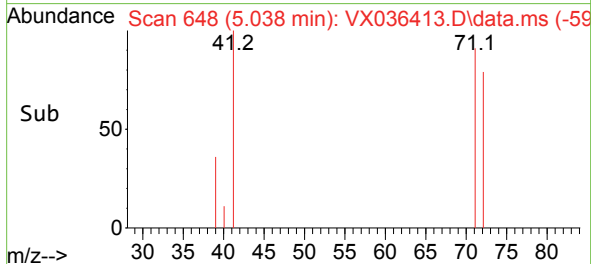
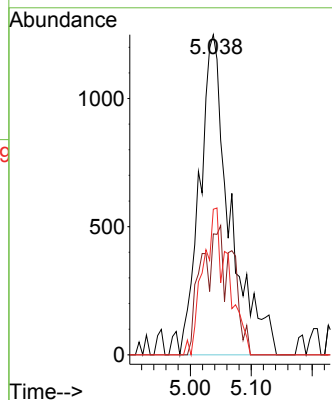
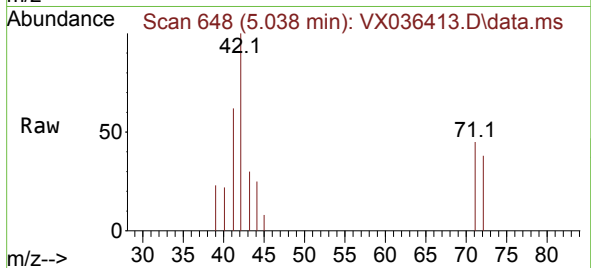
Tgt Ion: 42 Resp: 4292

Ion Ratio Lower Upper

42 100

72 8.3 34.2 51.4#

71 38.3 32.2 48.2



#31

Cyclohexane

Concen: 1.290 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX036413.D

Acq: 05 Jul 2023 18:53

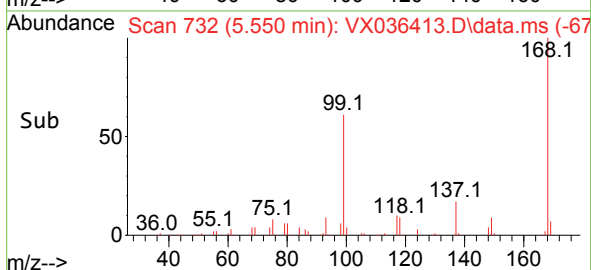
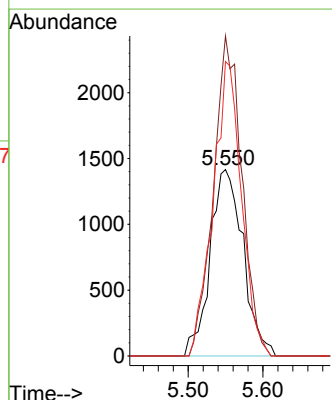
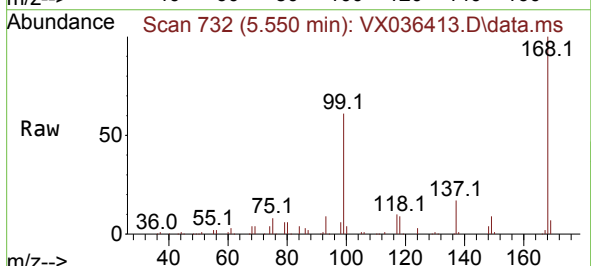
Tgt Ion: 56 Resp: 4347

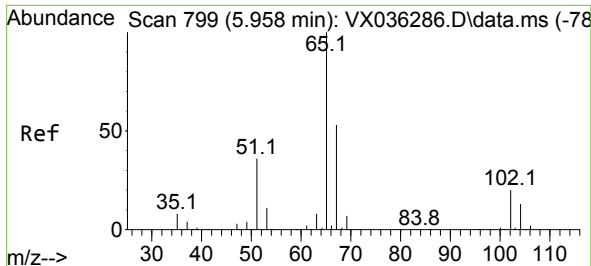
Ion Ratio Lower Upper

56 100

69 171.7 23.4 35.2#

84 158.0 65.9 98.9#

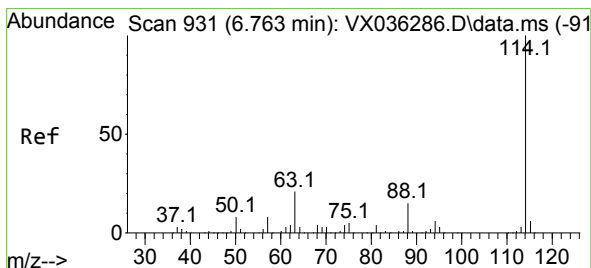
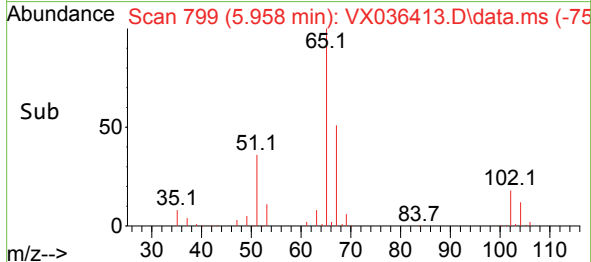
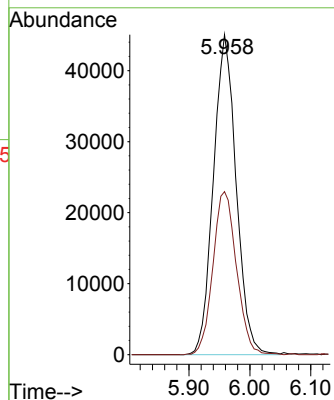
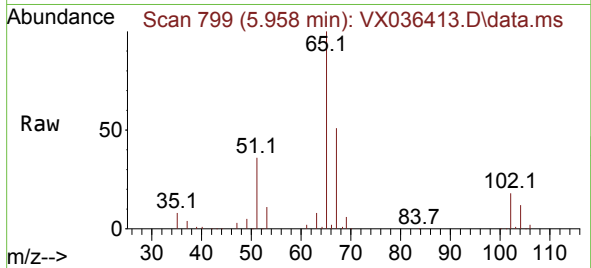




#33
 1,2-Dichloroethane-d4
 Concen: 44.528 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX036413.D
 Acq: 05 Jul 2023 18:53

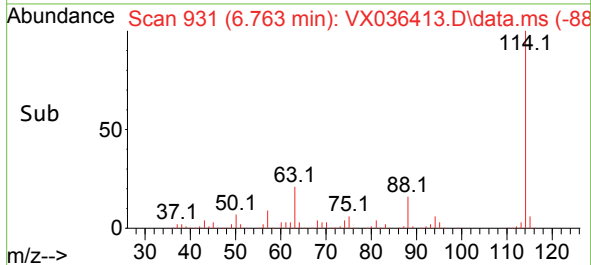
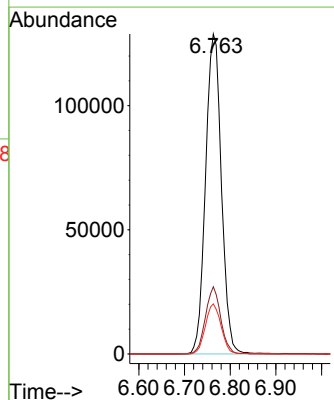
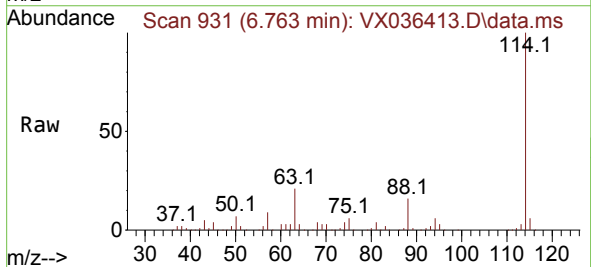
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#14

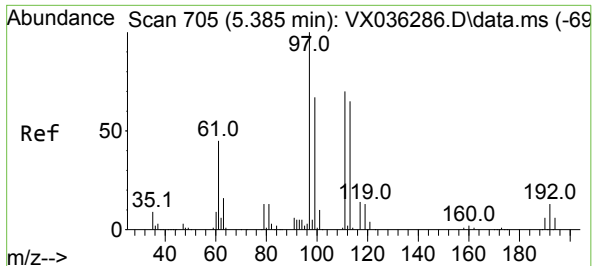
Tgt Ion: 65 Resp: 117101
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX036413.D
 Acq: 05 Jul 2023 18:53

Tgt Ion: 114 Resp: 309611
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.0
 88 15.7 0.0 36.6

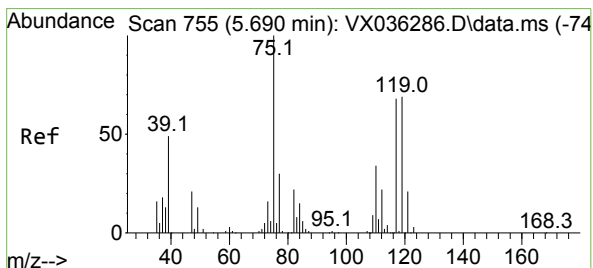
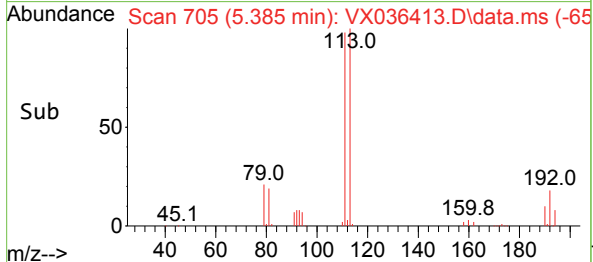
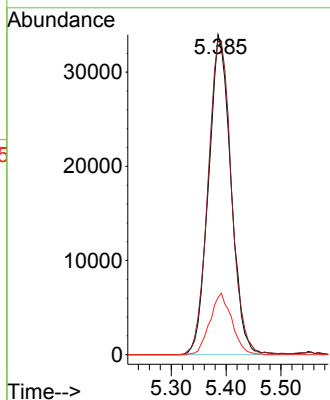
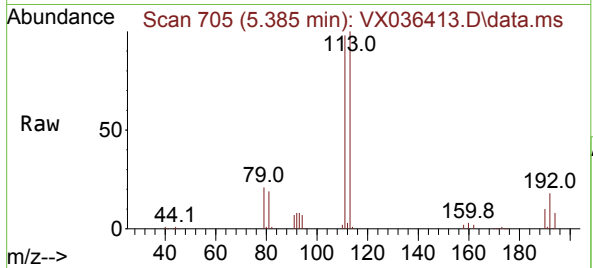




#35
Dibromofluoromethane
Concen: 47.109 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

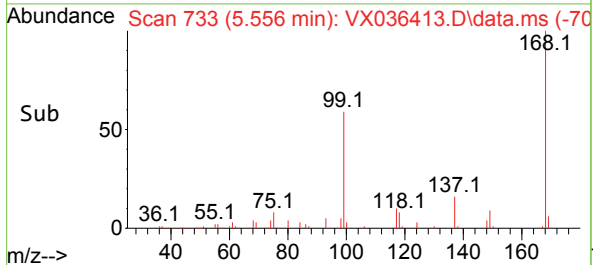
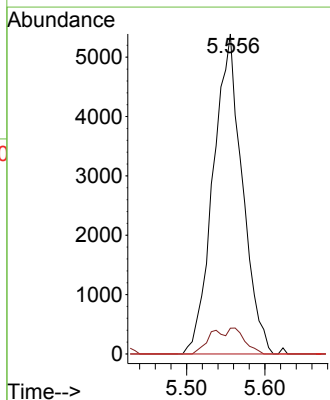
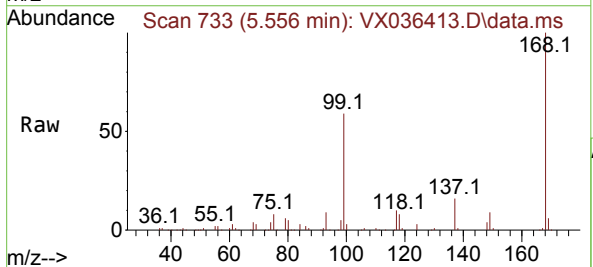
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#14

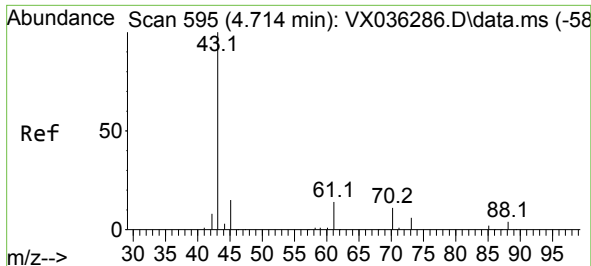
Tgt Ion:113 Resp: 96173
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 18.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.571 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

Tgt Ion: 75 Resp: 13911
Ion Ratio Lower Upper
75 100
110 4.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 17.839 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.007 min

Lab File: VX036413.D

Acq: 05 Jul 2023 18:53

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#14

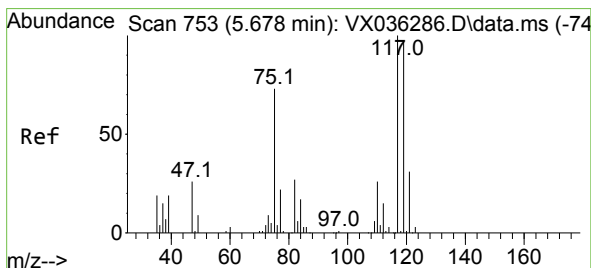
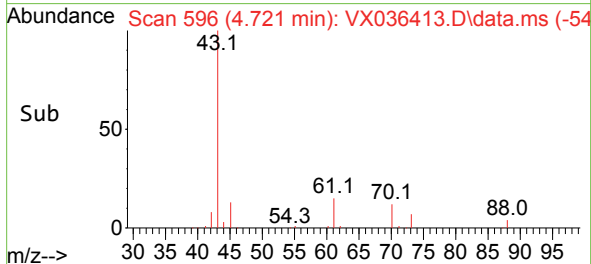
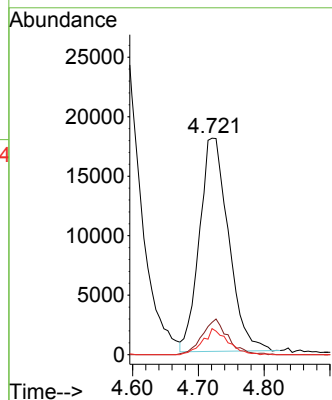
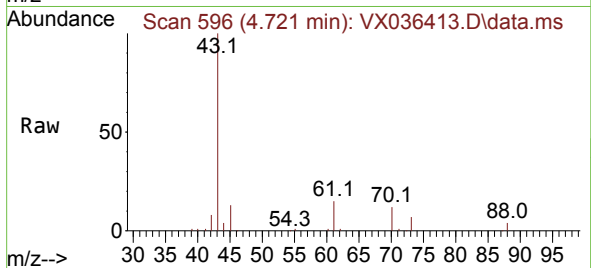
Tgt Ion: 43 Resp: 55329

Ion Ratio Lower Upper

43 100

61 14.8 10.6 16.0

70 10.4 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.378 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX036413.D

Acq: 05 Jul 2023 18:53

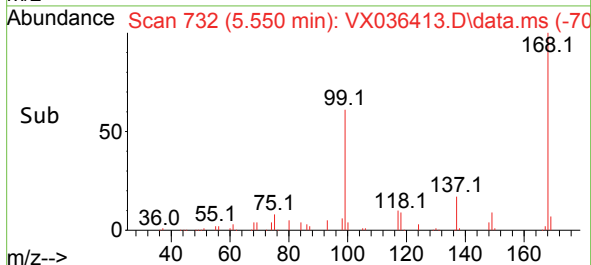
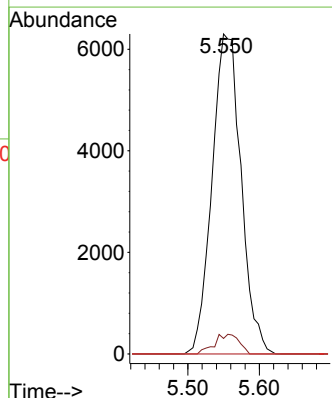
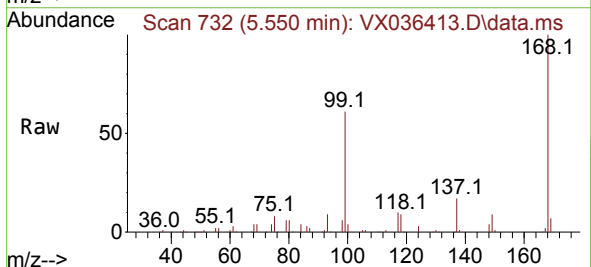
Tgt Ion: 117 Resp: 17727

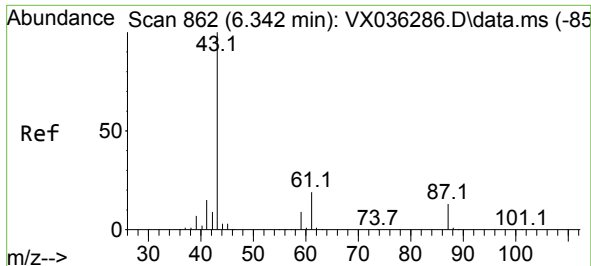
Ion Ratio Lower Upper

117 100

119 4.9 78.2 117.2#

121 0.0 24.4 36.6#

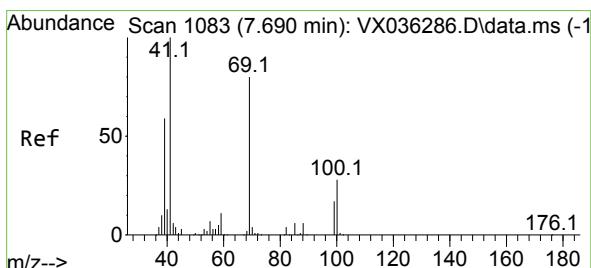
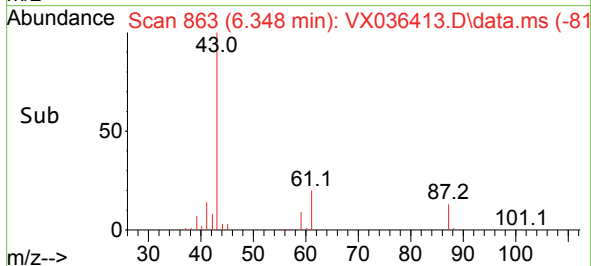
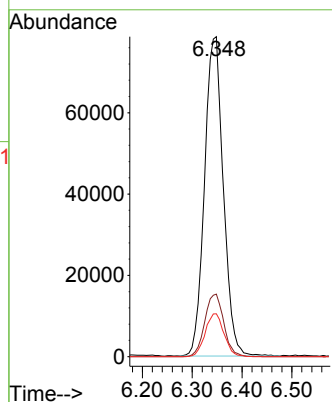
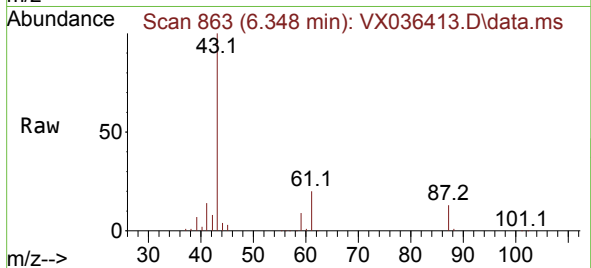




#43
Isopropyl Acetate
Concen: 41.562 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

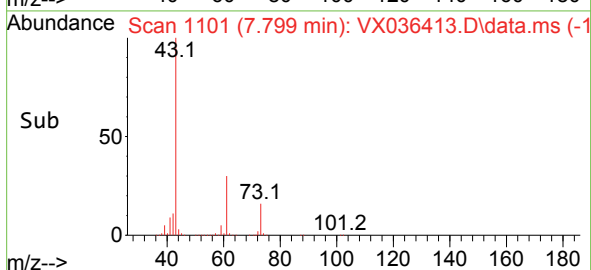
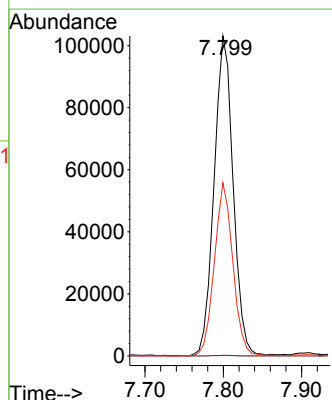
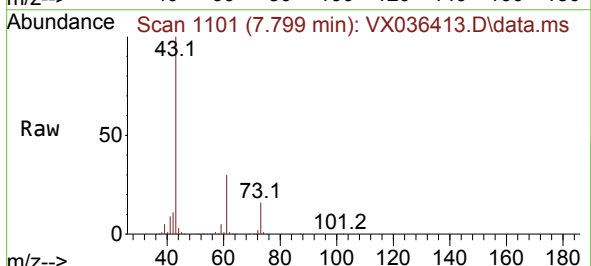
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#14

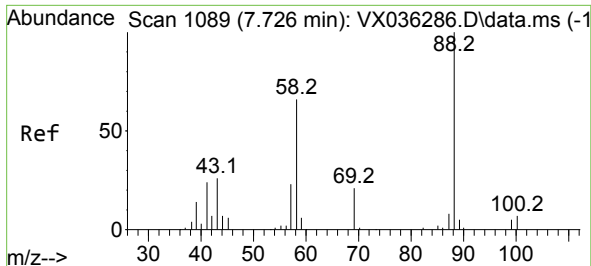
Tgt Ion: 43 Resp: 205642
Ion Ratio Lower Upper
43 100
61 19.8 15.2 22.8
87 13.5 9.8 14.6



#48
Methyl methacrylate
Concen: 70.544 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

Tgt Ion: 41 Resp: 174033
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 52.8 47.7 71.5

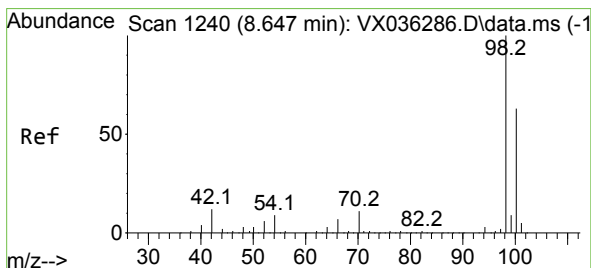
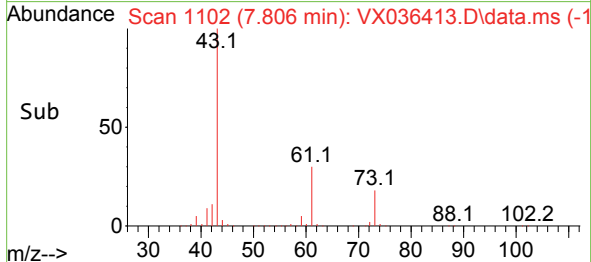
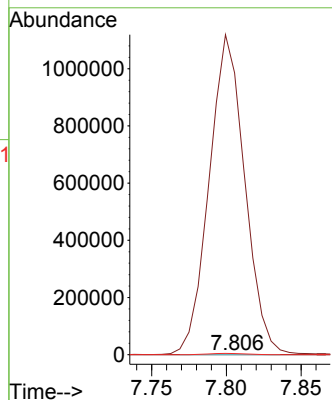
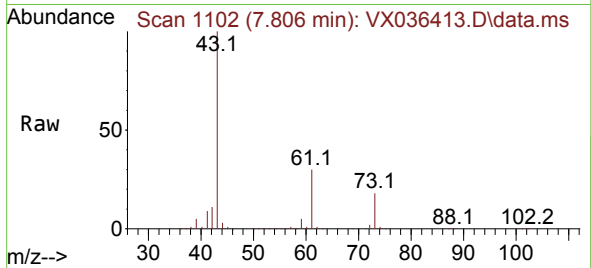




#49
1,4-Dioxane
Concen: 6.656 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.074 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

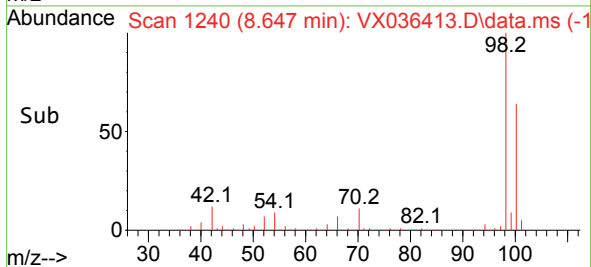
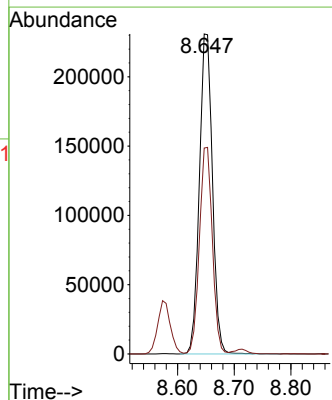
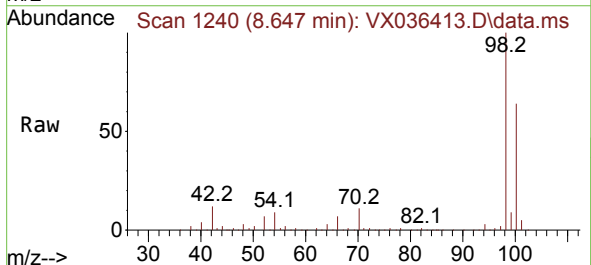
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#14

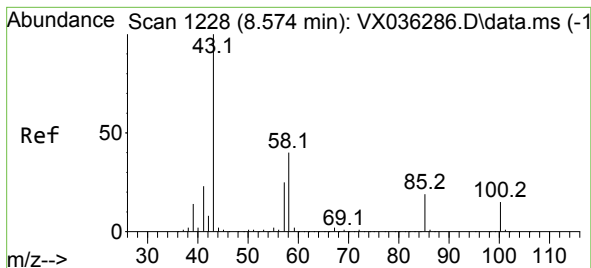
Tgt Ion: 88 Resp: 364
Ion Ratio Lower Upper
88 100
43 510375.3 0.0 0.0#
58 2172.3 60.1 90.1#



#50
Toluene-d8
Concen: 48.377 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

Tgt Ion: 98 Resp: 368869
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 172.111 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX036413.D

Acq: 05 Jul 2023 18:53

Instrument :

MSVOA_X

ClientSampleId :

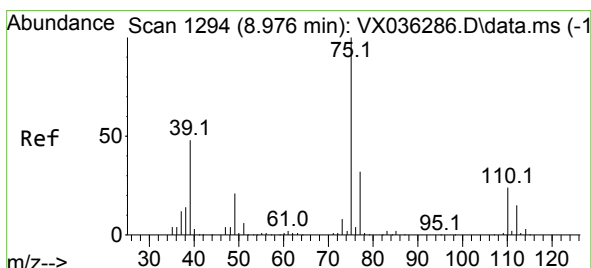
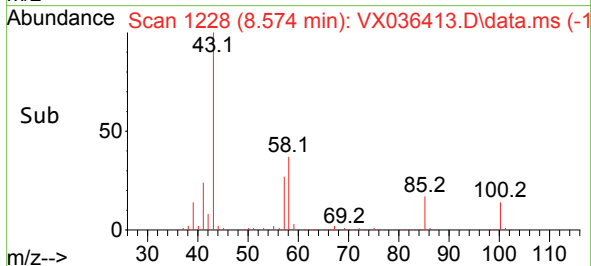
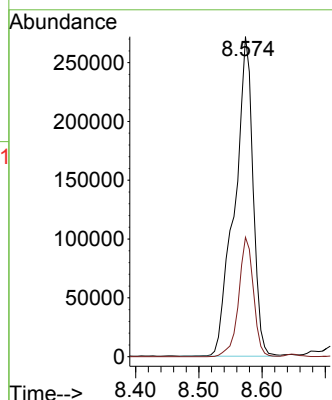
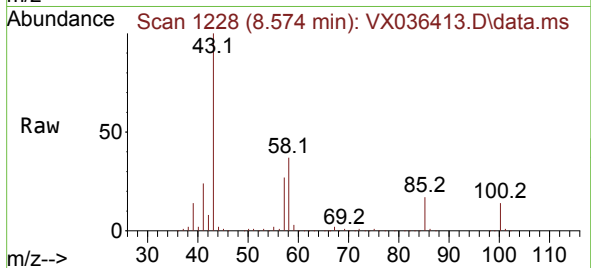
PB153983ZHE#14

Tgt Ion: 43 Resp: 548642

Ion Ratio Lower Upper

43 100

58 30.1 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 0.454 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX036413.D

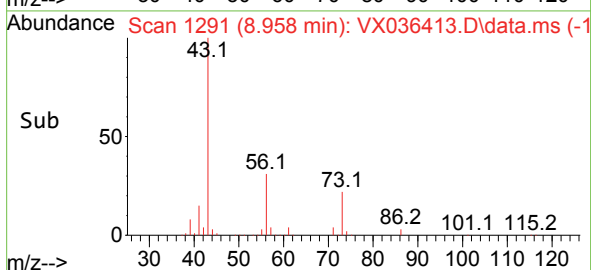
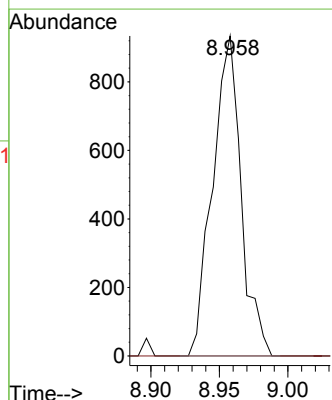
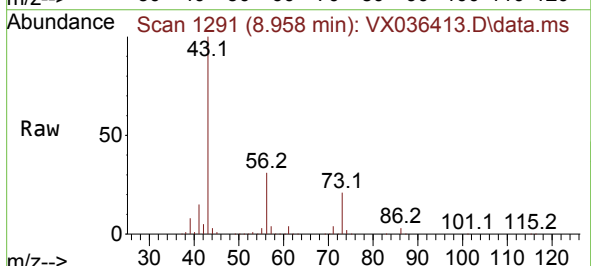
Acq: 05 Jul 2023 18:53

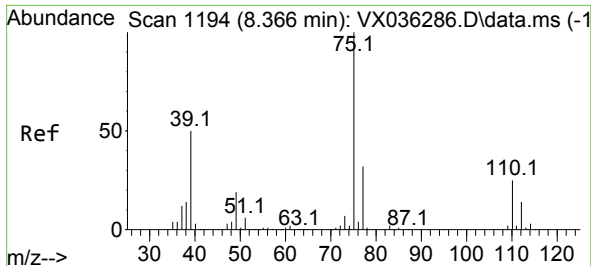
Tgt Ion: 75 Resp: 1352

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

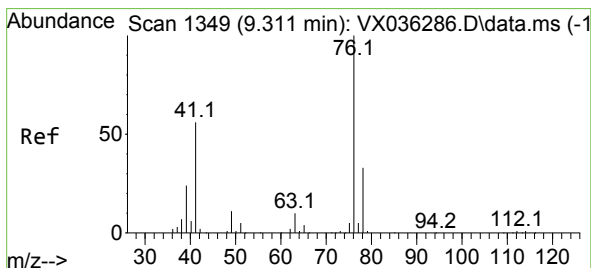
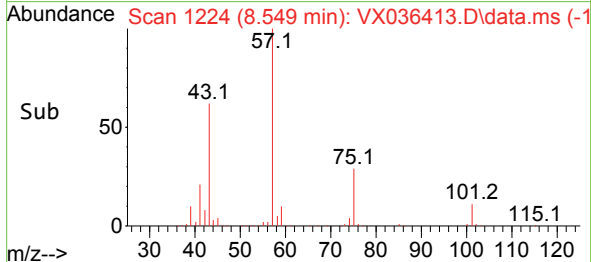
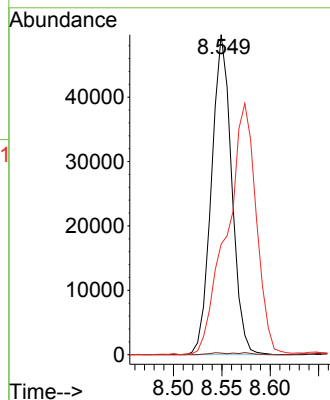
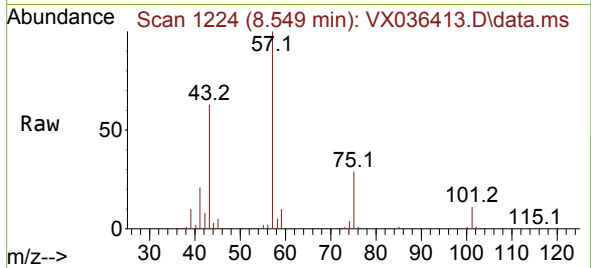




#54
 cis-1,3-Dichloropropene
 Concen: 21.465 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036413.D
 Acq: 05 Jul 2023 18:53

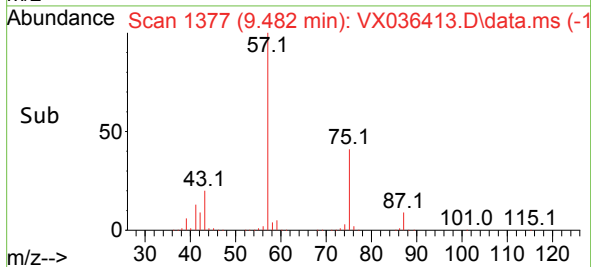
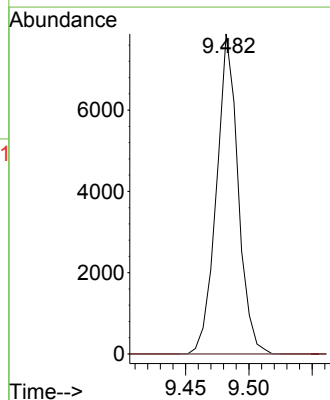
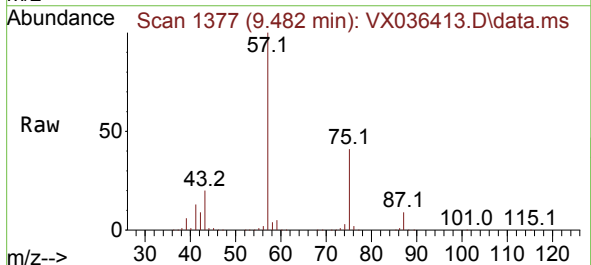
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#14

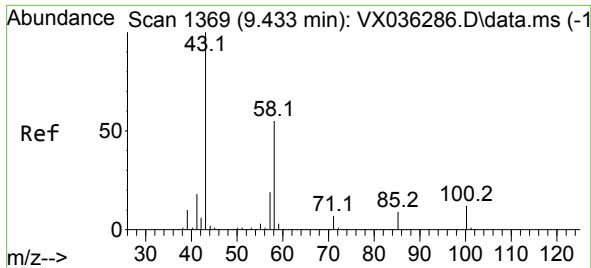
Tgt Ion: 75 Resp: 72236
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 34.5 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.436 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036413.D
 Acq: 05 Jul 2023 18:53

Tgt Ion: 76 Resp: 9346
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

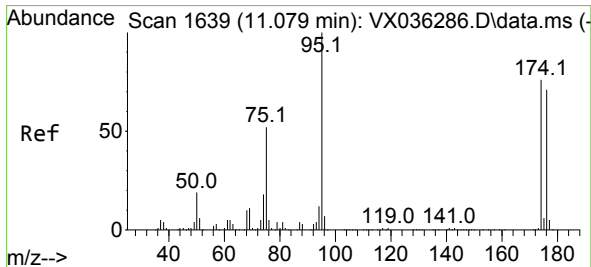
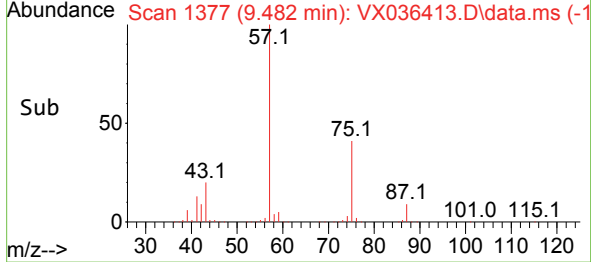
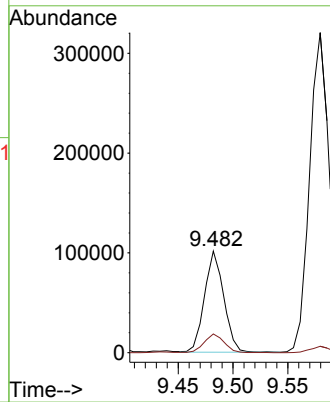
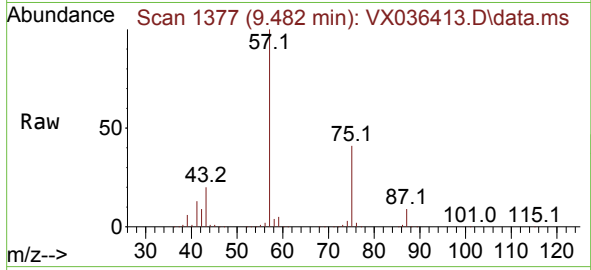




#59
2-Hexanone
Concen: 53.170 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

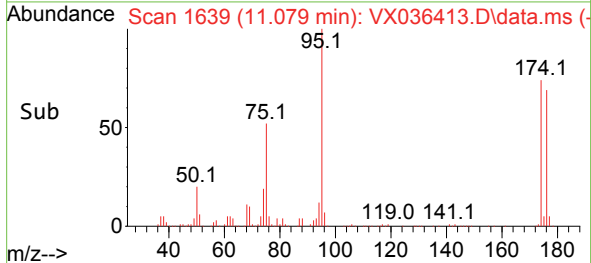
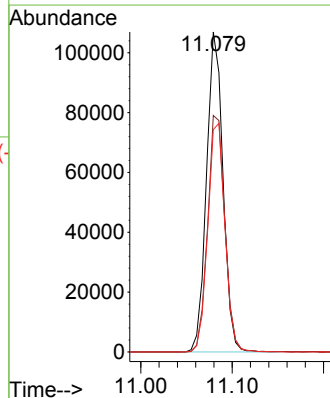
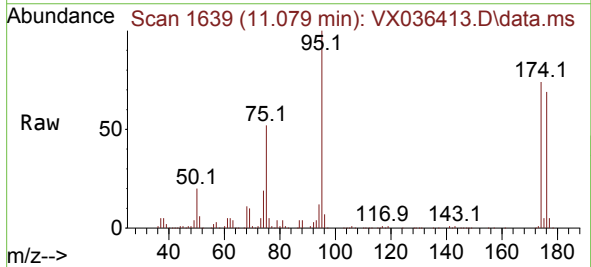
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#14

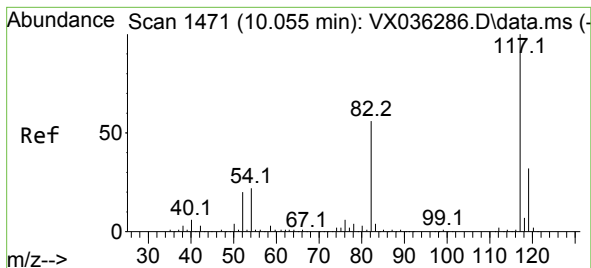
Tgt Ion: 43 Resp: 123771
Ion Ratio Lower Upper
43 100
58 19.4 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.766 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

Tgt Ion: 95 Resp: 133660
Ion Ratio Lower Upper
95 100
174 77.5 0.0 135.6
176 74.3 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: VX036413.D

Acq: 05 Jul 2023 18:53

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#14

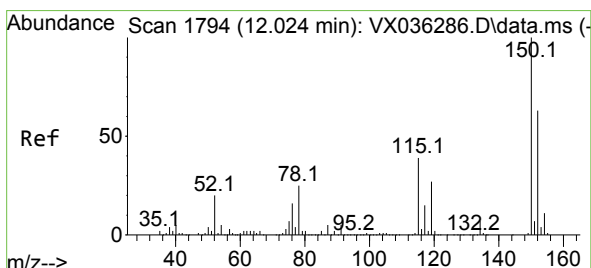
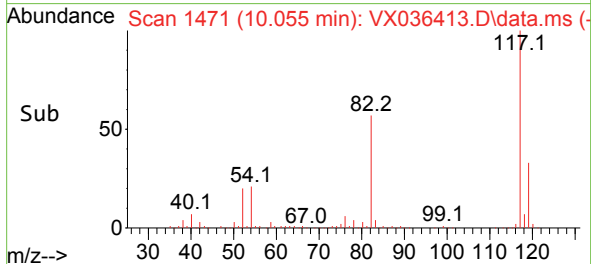
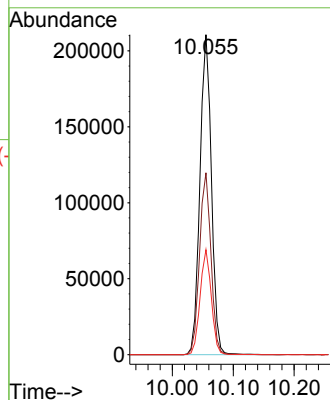
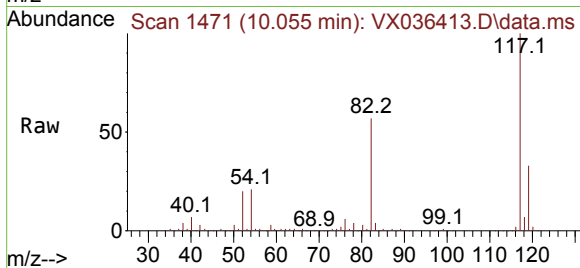
Tgt Ion:117 Resp: 274592

Ion Ratio Lower Upper

117 100

82 56.8 46.2 69.4

119 32.8 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: VX036413.D

Acq: 05 Jul 2023 18:53

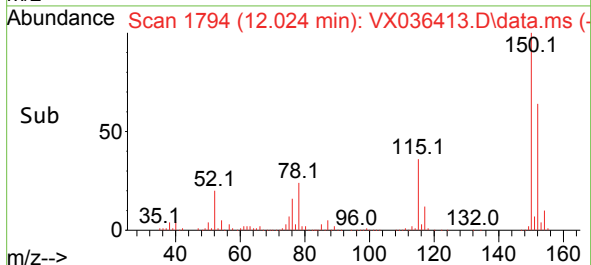
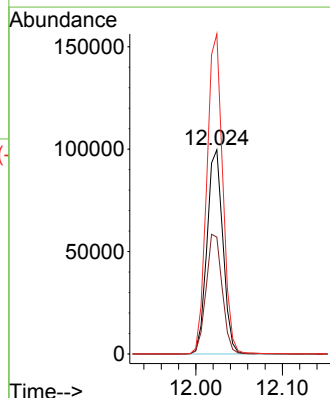
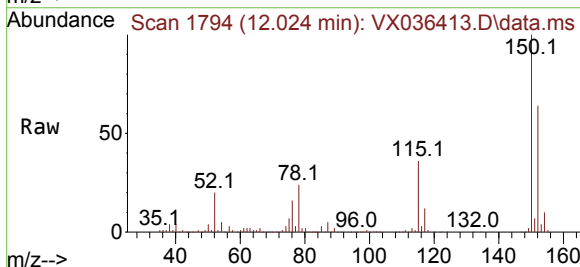
Tgt Ion:152 Resp: 126983

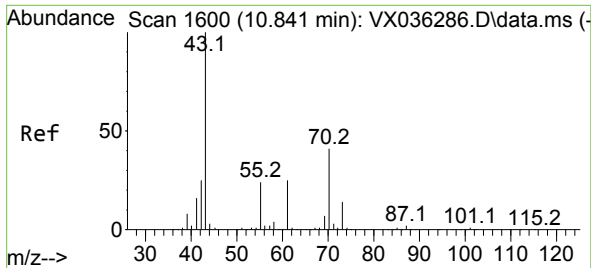
Ion Ratio Lower Upper

152 100

115 59.5 43.3 129.9

150 156.9 0.0 345.0

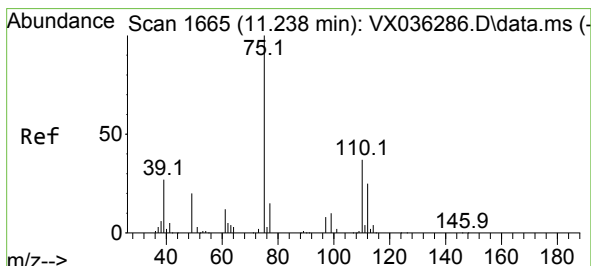
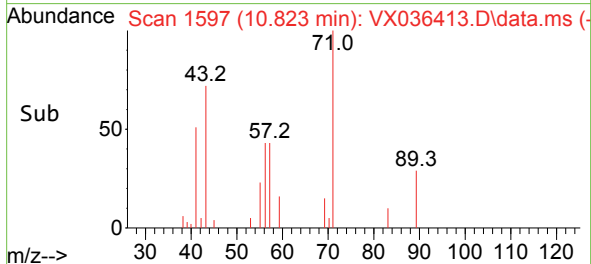
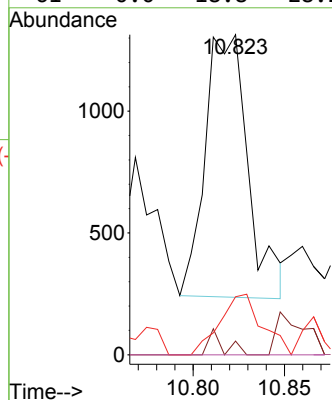
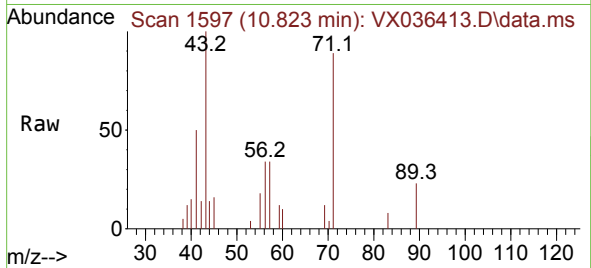




#74
N-amy1 acetate
Concen: 0.464 ug/l
RT: 10.823 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

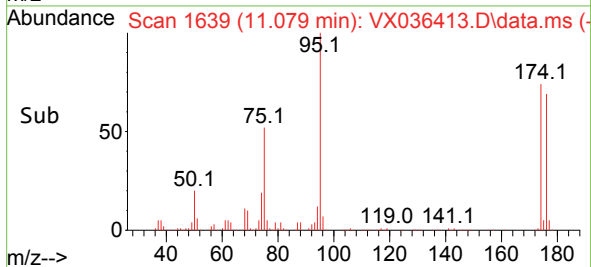
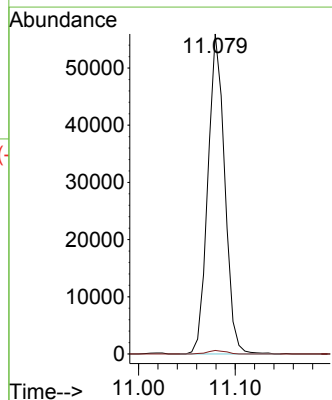
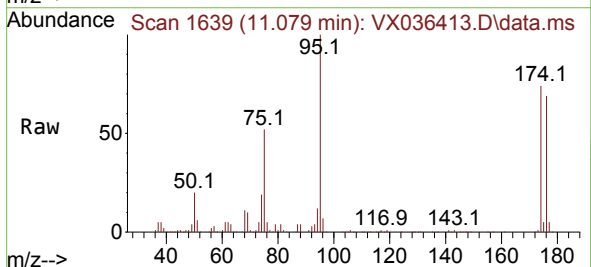
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#14

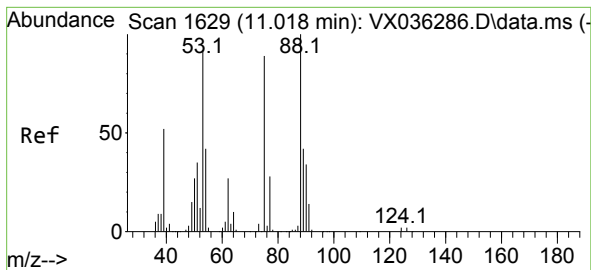
Tgt Ion: 43	Resp: 1755
Ion Ratio	Lower Upper
43 100	
70 3.4	32.9 49.3#
55 22.8	19.3 28.9
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 25.078 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036413.D
Acq: 05 Jul 2023 18:53

Tgt Ion: 75	Resp: 67927
Ion Ratio	Lower Upper
75 100	
77 1.2	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.749 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036413.D
 Acq: 05 Jul 2023 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#14

Tgt Ion: 75 Resp: 67927
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

