

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072523\
 Data File : VX036651.D
 Acq On : 25 Jul 2023 14:06
 Operator : JC/MD
 Sample : PB154393ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154393ZHE#04

Quant Time: Jul 26 06:25:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

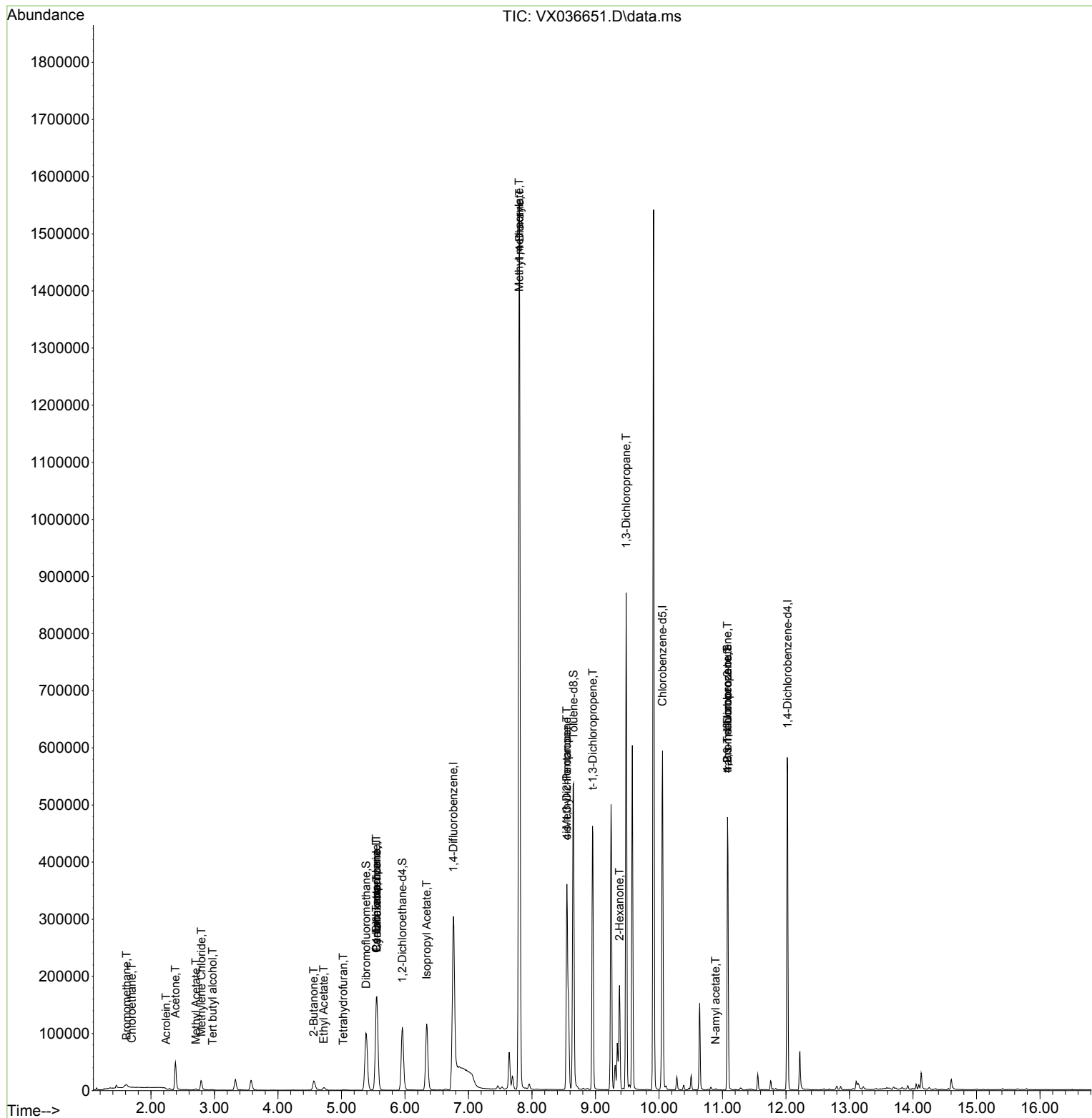
Internal Standards						
1) Pentafluorobenzene	5.556	168	152674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	272271	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104644	46.322	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.640%
35) Dibromofluoromethane	5.385	113	87120	46.552	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.100%
50) Toluene-d8	8.653	98	325406	49.032	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.060%
62) 4-Bromofluorobenzene	11.079	95	126304	50.444	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.880%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	294	0.264	ug/l	90
6) Chloroethane	1.697	64	190	0.209	ug/l #	53
11) Tert butyl alcohol	2.971	59	1183	2.212	ug/l #	83
13) Acrolein	2.240	56	158	0.518	ug/l #	14
16) Acetone	2.386	43	55723	59.443	ug/l	95
18) Methyl Acetate	2.709	43	2448	0.621	ug/l	94
20) Methylene Chloride	2.794	84	8487	4.071	ug/l	94
25) 2-Butanone	4.562	43	28991	19.062	ug/l	96
29) Tetrahydrofuran	5.026	42	442	0.451	ug/l #	76
31) Cyclohexane	5.556	56	3594	1.149	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12621	4.525	ug/l #	51
37) Ethyl Acetate	4.721	43	8293	2.627	ug/l	95
38) Carbon Tetrachloride	5.550	117	16120	5.436	ug/l #	15
43) Isopropyl Acetate	6.342	43	160370	29.509	ug/l	96
48) Methyl methacrylate	7.800	41	130317	51.562	ug/l #	48
49) 1,4-Dioxane	7.806	88	239	4.681	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	199011	66.172	ug/l #	37
53) t-1,3-Dichloropropene	8.958	75	1085	0.308	ug/l #	60
54) cis-1,3-Dichloropropene	8.549	75	58409	15.733	ug/l #	53
57) 1,3-Dichloropropane	9.482	76	7425	2.086	ug/l #	42
59) 2-Hexanone	9.378	43	136986	61.373	ug/l #	26
74) N-amyl acetate	10.890	43	1106	0.242	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	65521	23.531	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	65521	53.334	ug/l #	5

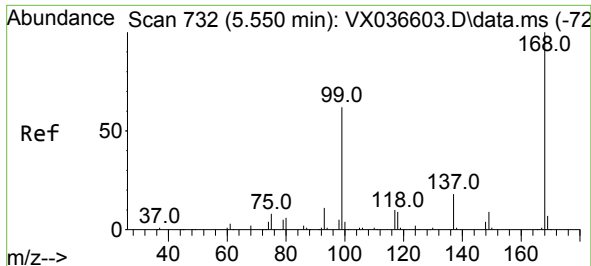
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072523\
Data File : VX036651.D
Acq On : 25 Jul 2023 14:06
Operator : JC/MD
Sample : PB154393ZHE#04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#04

Quant Time: Jul 26 06:25:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

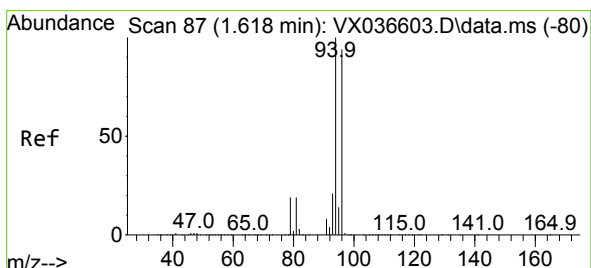
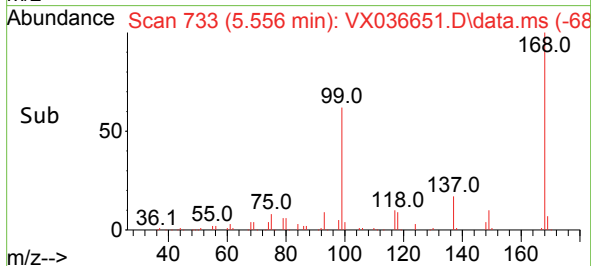
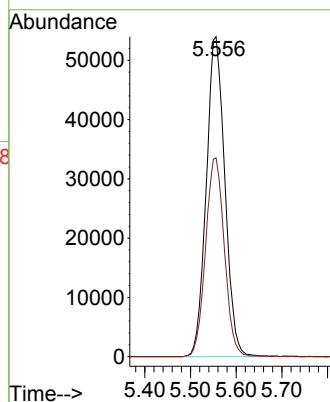
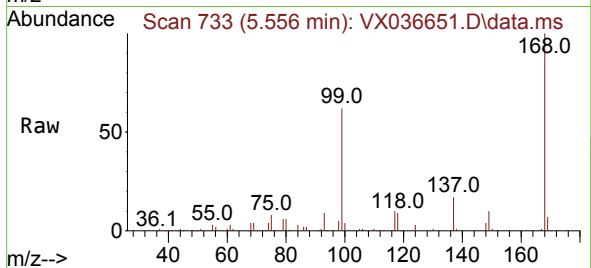




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

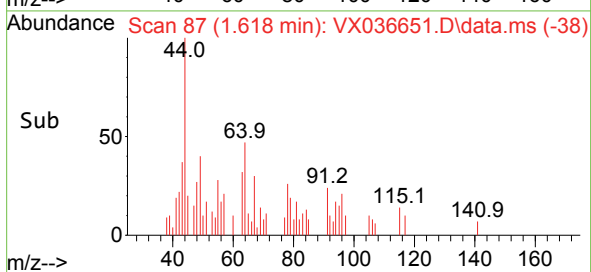
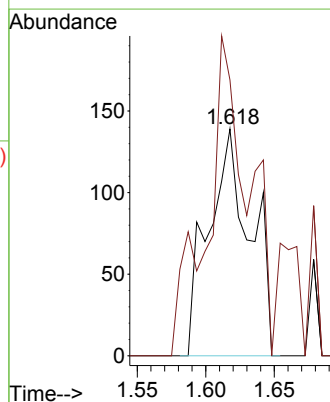
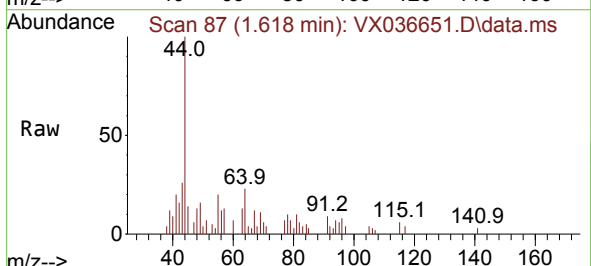
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#04

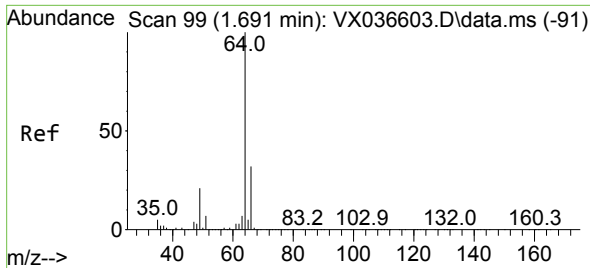
Tgt Ion:168 Resp: 152674
Ion Ratio Lower Upper
168 100
99 62.1 56.6 85.0



#5
Bromomethane
Concen: 0.264 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.000 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

Tgt Ion: 94 Resp: 294
Ion Ratio Lower Upper
94 100
96 83.5 74.6 111.8

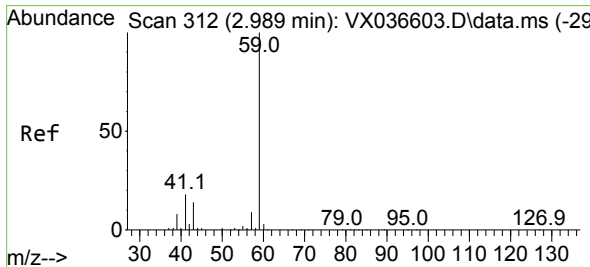
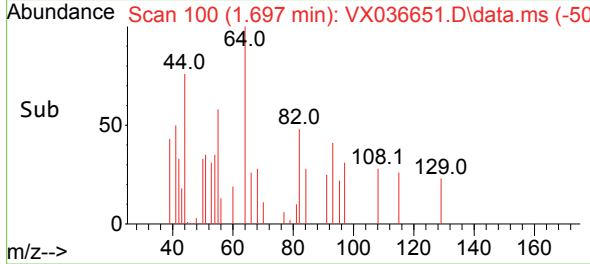
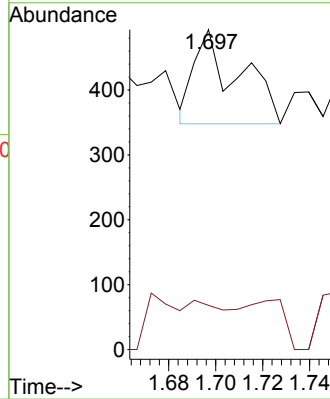
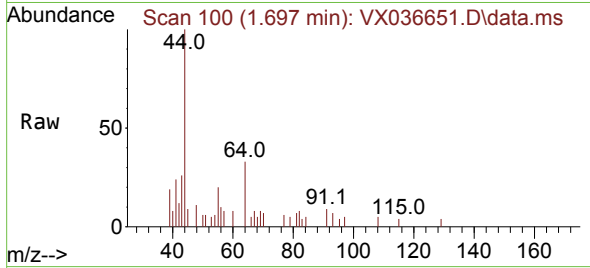




#6
Chloroethane
Concen: 0.209 ug/l
RT: 1.697 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

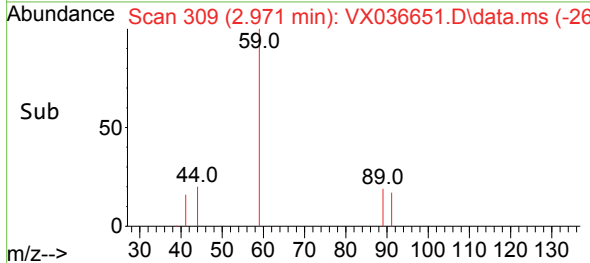
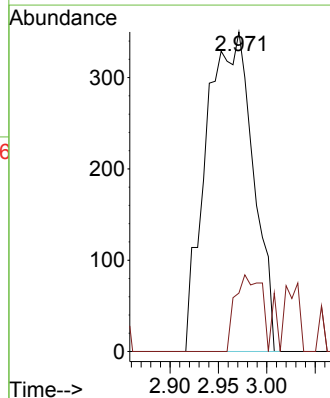
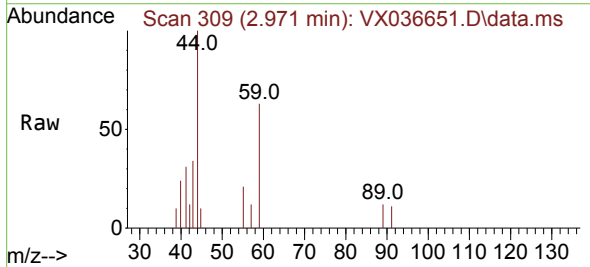
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#04

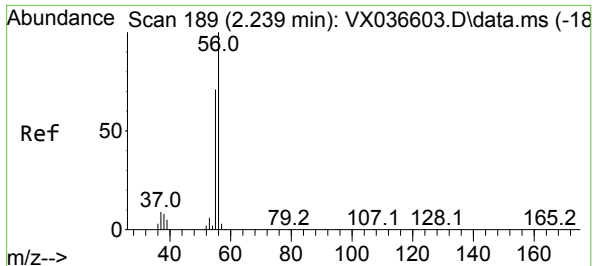
Tgt Ion: 64 Resp: 190
Ion Ratio Lower Upper
64 100
66 5.5 25.1 37.7#



#11
Tert butyl alcohol
Concen: 2.212 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

Tgt Ion: 59 Resp: 1183
Ion Ratio Lower Upper
59 100
57 13.3 6.0 9.0#

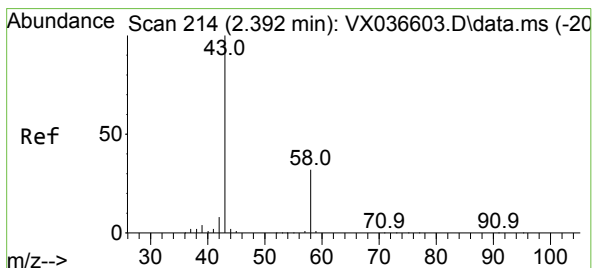
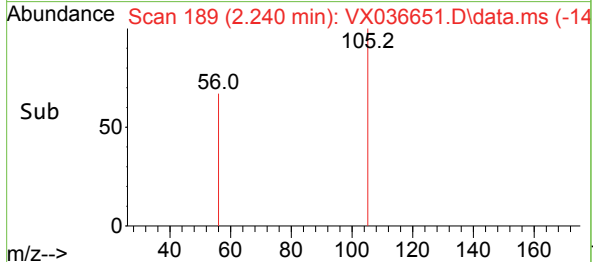
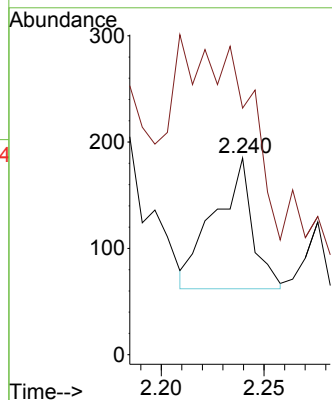
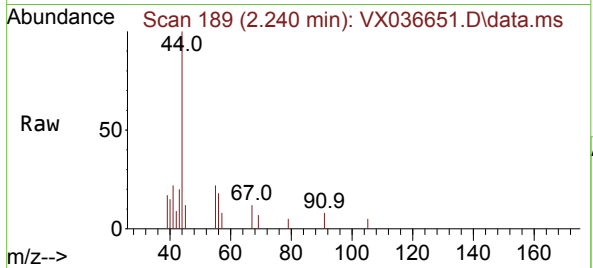




#13
Acrolein
Concen: 0.518 ug/l
RT: 2.240 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

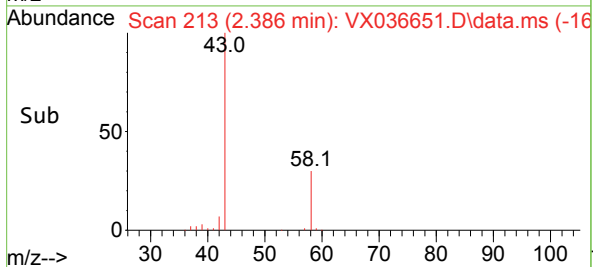
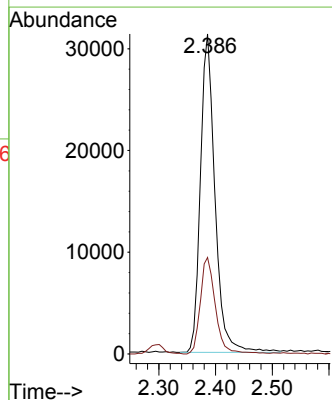
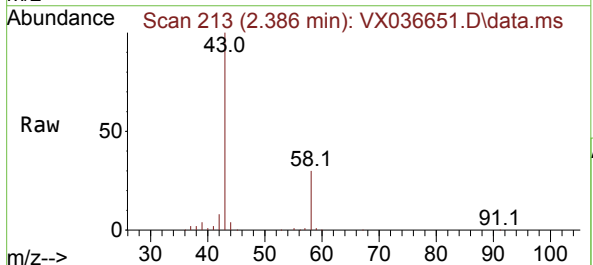
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#04

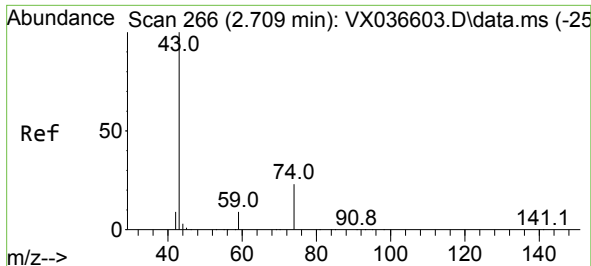
Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 59.443 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

Tgt Ion: 43 Resp: 55723
Ion Ratio Lower Upper
43 100
58 30.1 21.9 32.9

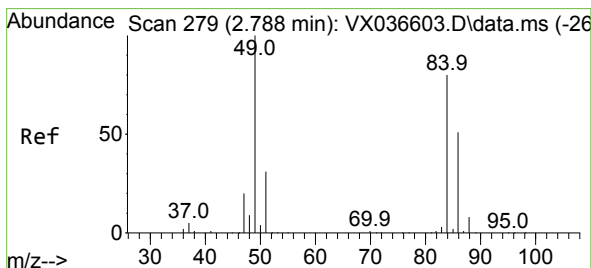
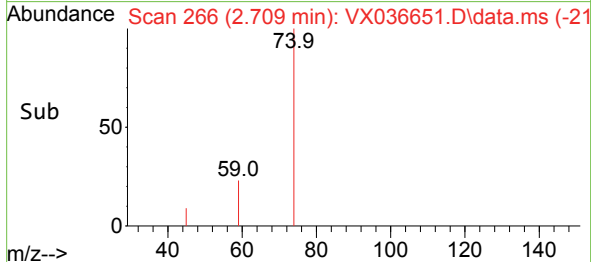
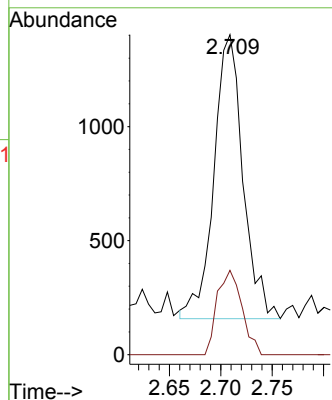
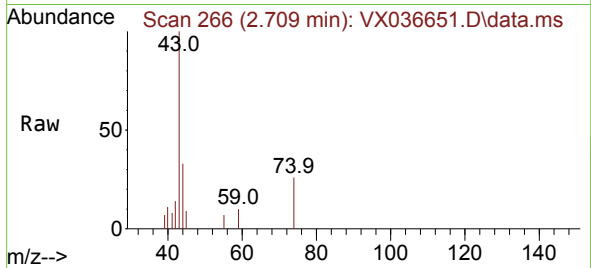




#18
Methyl Acetate
Concen: 0.621 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

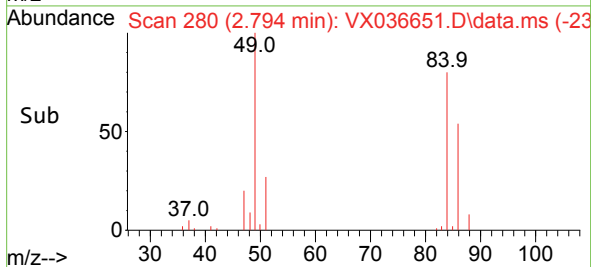
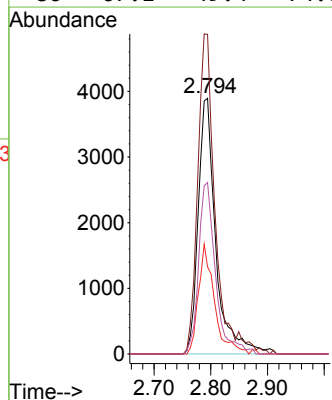
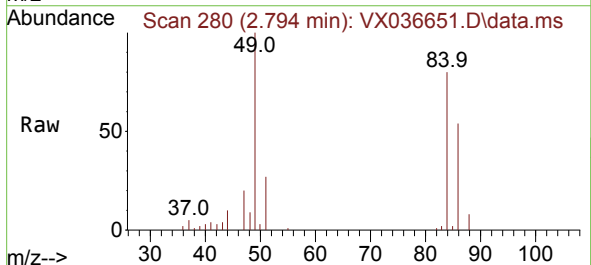
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#04

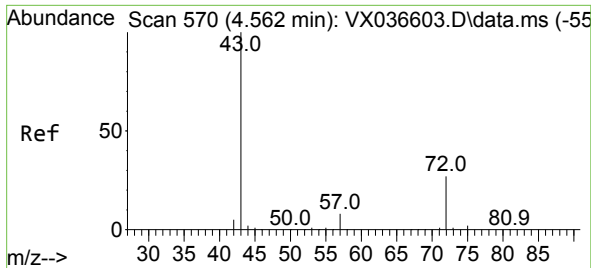
Tgt Ion: 43 Resp: 2448
Ion Ratio Lower Upper
43 100
74 25.3 17.8 26.8



#20
Methylene Chloride
Concen: 4.071 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

Tgt Ion: 84 Resp: 8487
Ion Ratio Lower Upper
84 100
49 125.0 103.6 155.4
51 34.1 33.8 50.6
86 67.1 49.4 74.0

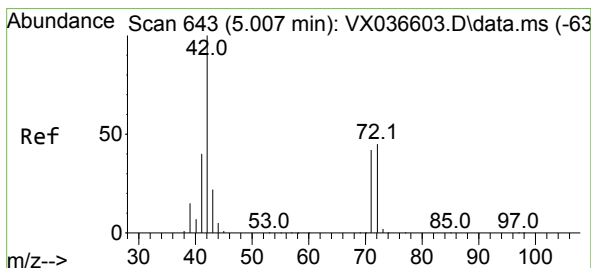
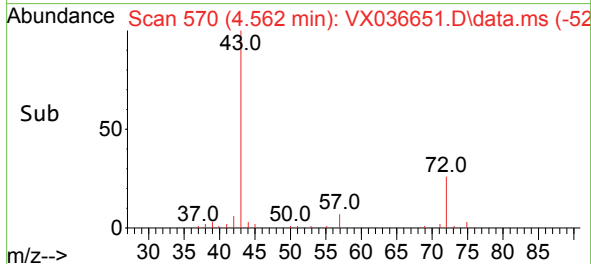
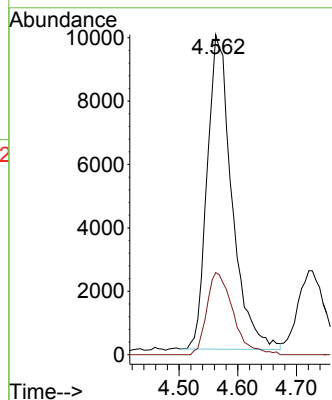
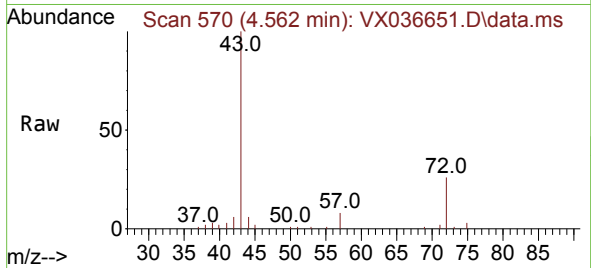




#25
2-Butanone
Concen: 19.062 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

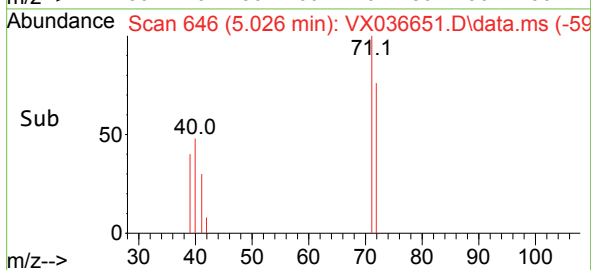
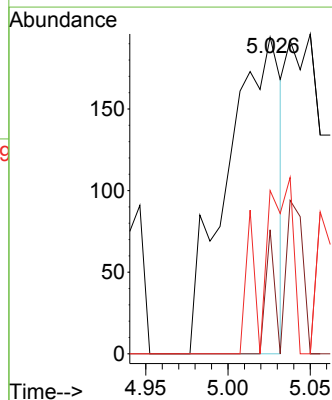
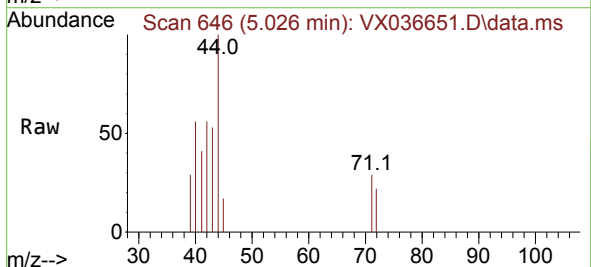
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#04

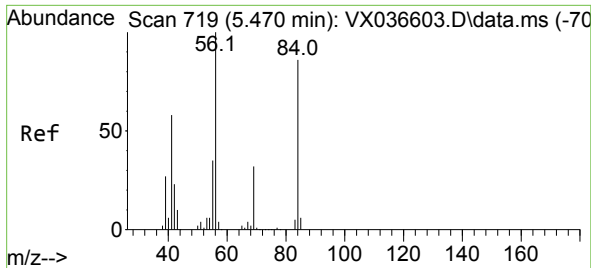
Tgt Ion: 43 Resp: 28991
Ion Ratio Lower Upper
43 100
72 26.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.451 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

Tgt Ion: 42 Resp: 442
Ion Ratio Lower Upper
42 100
72 21.0 34.2 51.4#
71 31.7 32.2 48.2#

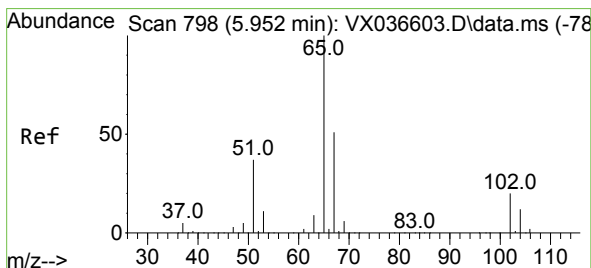
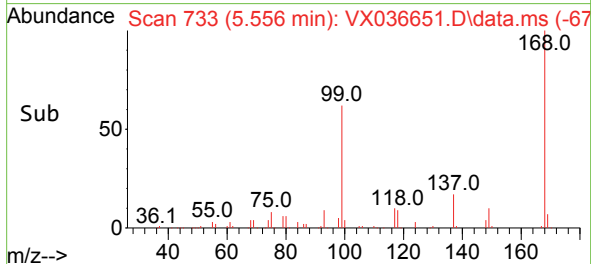
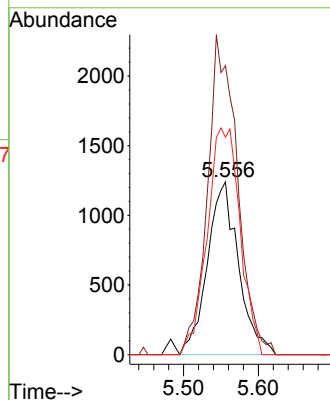
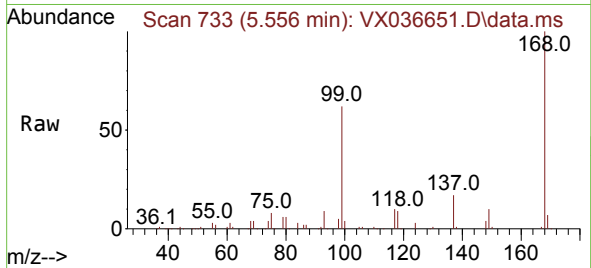




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

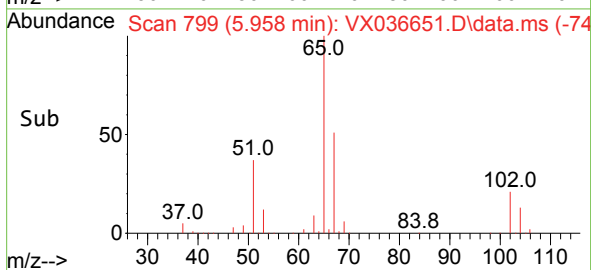
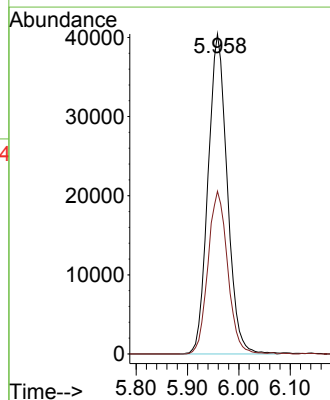
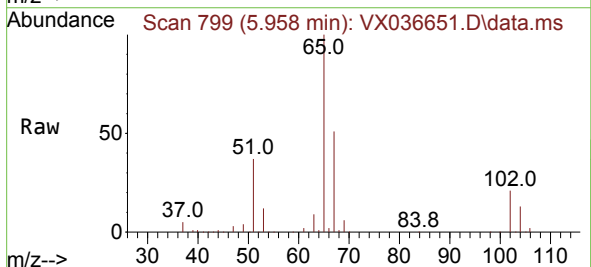
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#04

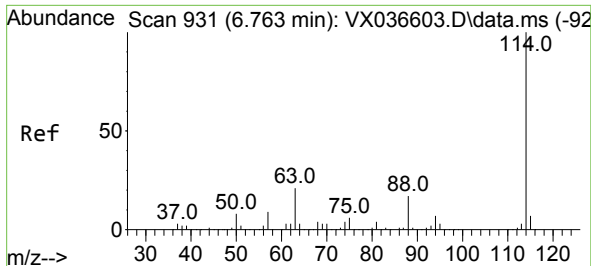
Tgt Ion: 56 Resp: 3594
Ion Ratio Lower Upper
56 100
69 167.3 23.4 35.2#
84 125.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.322 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

Tgt Ion: 65 Resp: 104644
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.2

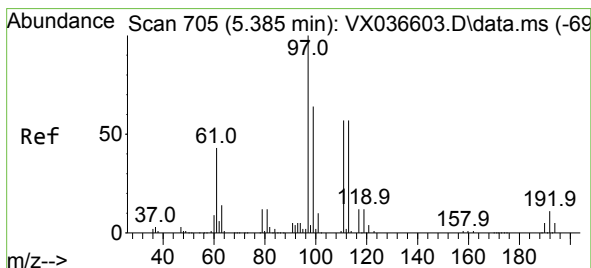
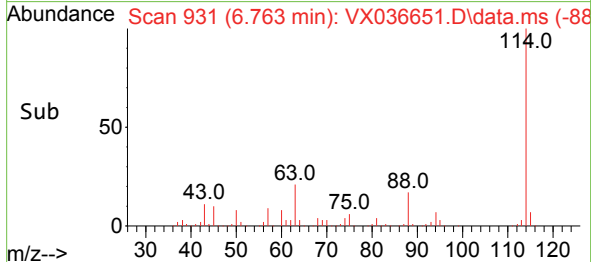
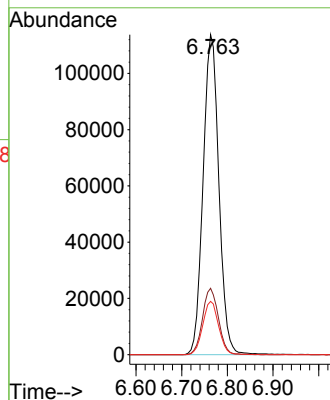
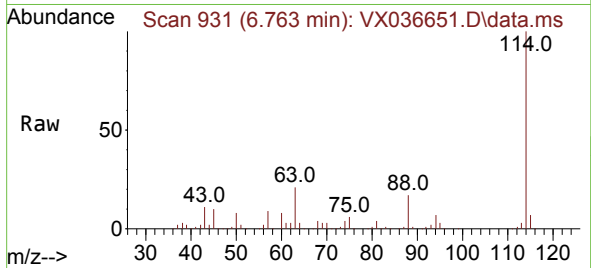




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

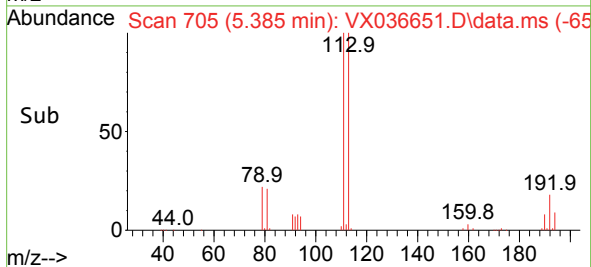
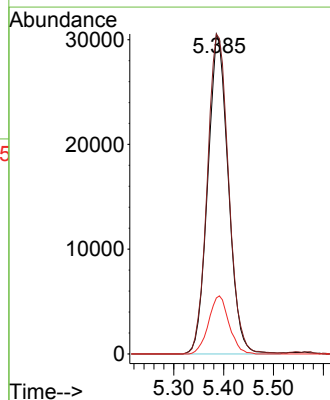
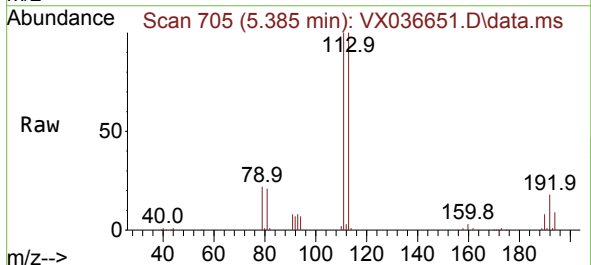
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#04

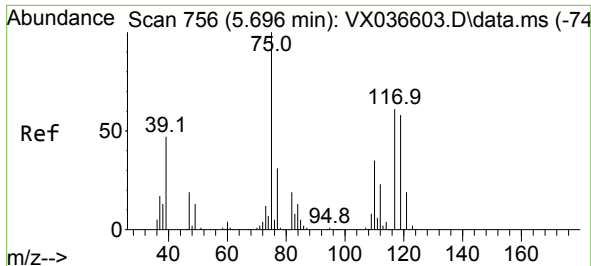
Tgt Ion:114 Resp: 272271
Ion Ratio Lower Upper
114 100
63 20.7 0.0 45.0
88 16.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.552 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

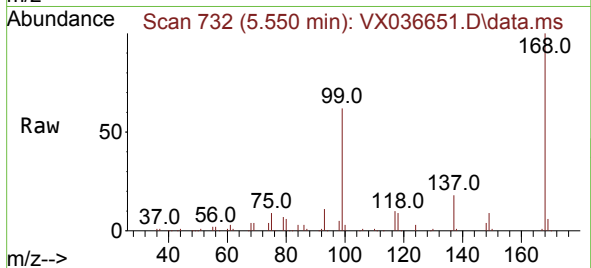
Tgt Ion:113 Resp: 87120
Ion Ratio Lower Upper
113 100
111 104.2 82.9 124.3
192 18.1 13.3 19.9



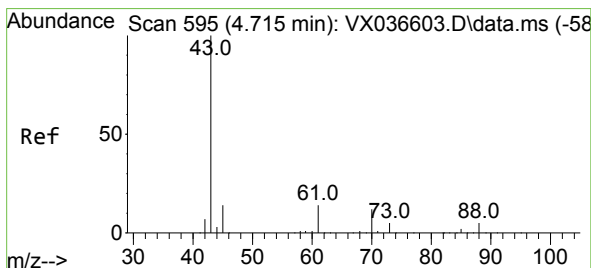
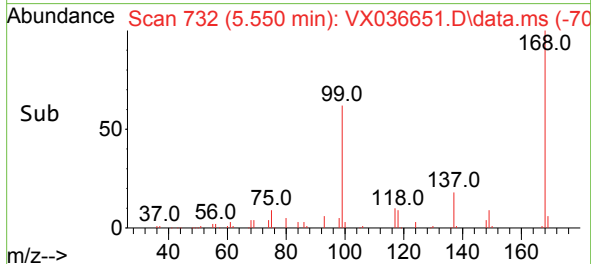
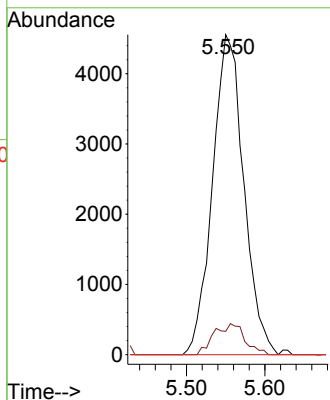


#36
1,1-Dichloropropene
Concen: 4.525 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#04

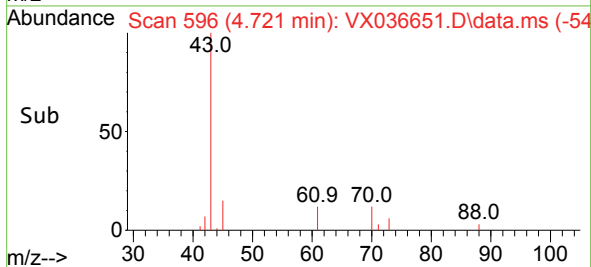
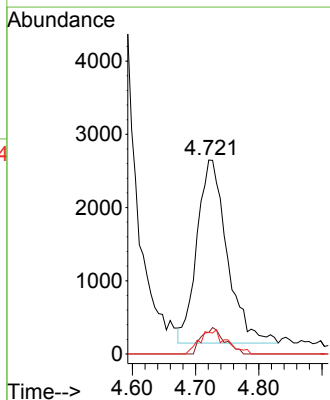
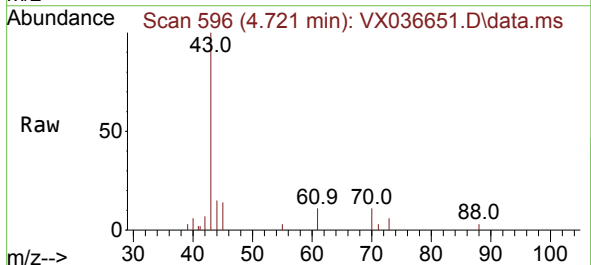


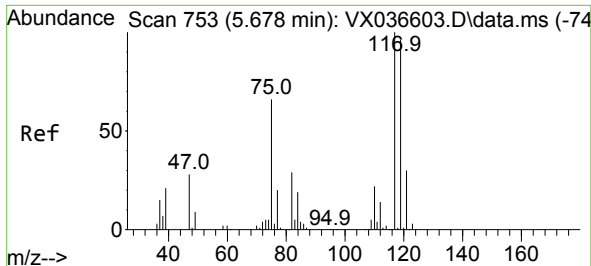
Tgt Ion: 75 Resp: 12621
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.627 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

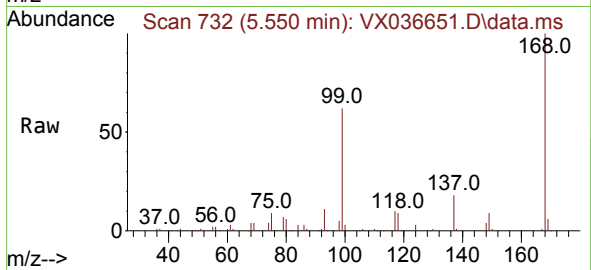
Tgt Ion: 43 Resp: 8293
Ion Ratio Lower Upper
43 100
61 10.9 10.6 16.0
70 11.6 8.3 12.5



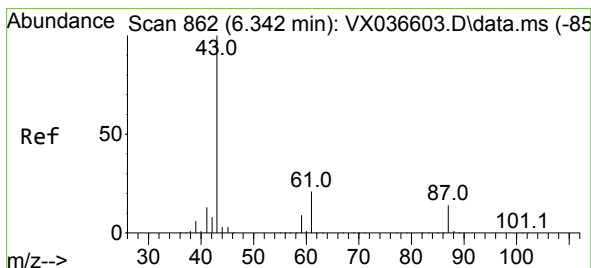
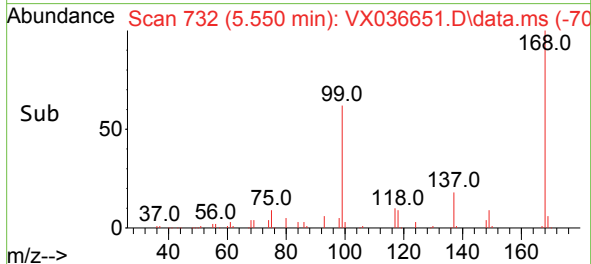
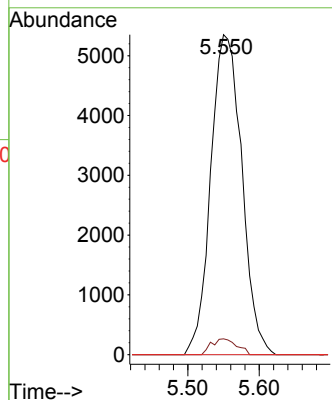


#38
Carbon Tetrachloride
Concen: 5.436 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#04

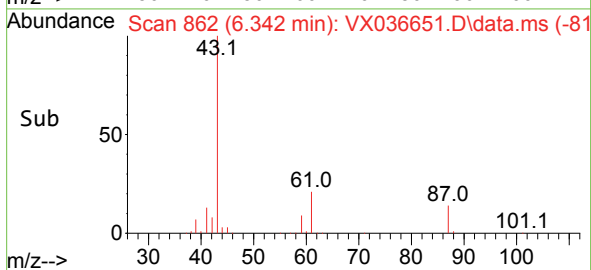
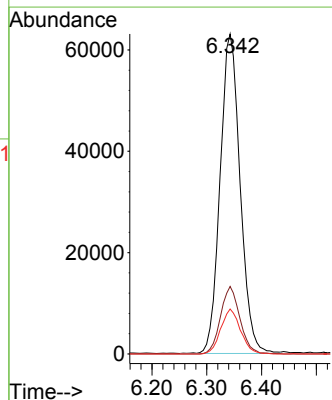
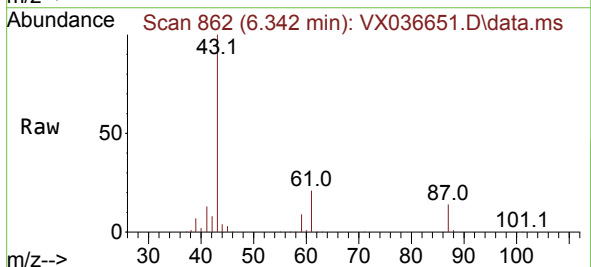


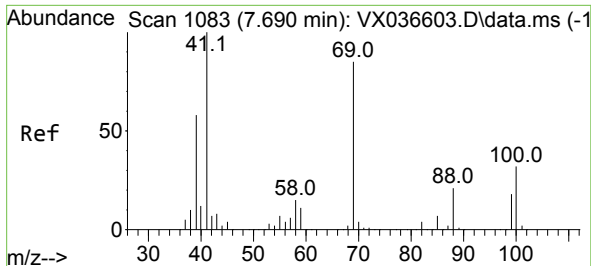
Tgt Ion:117 Resp: 16120
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 29.509 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

Tgt Ion: 43 Resp: 160370
Ion Ratio Lower Upper
43 100
61 20.5 15.2 22.8
87 13.8 9.8 14.6

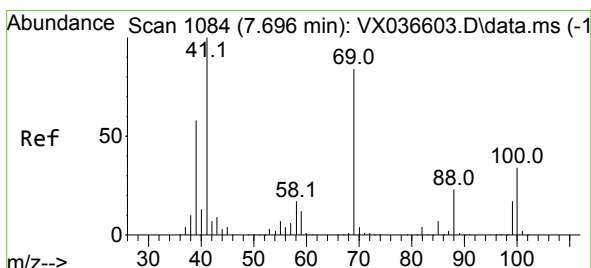
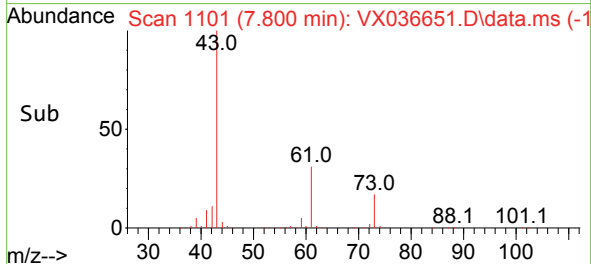
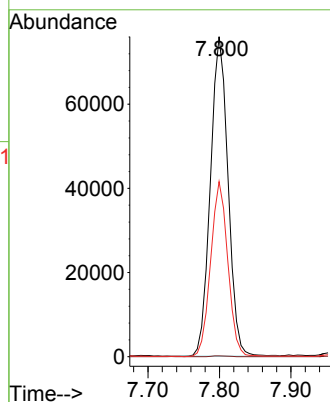
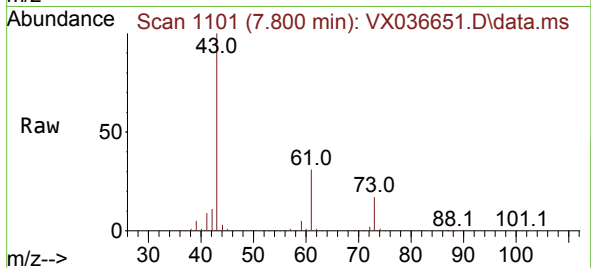




#48
Methyl methacrylate
Concen: 51.562 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

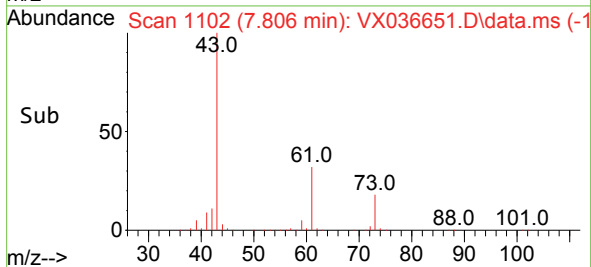
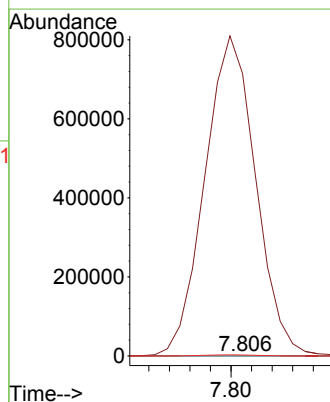
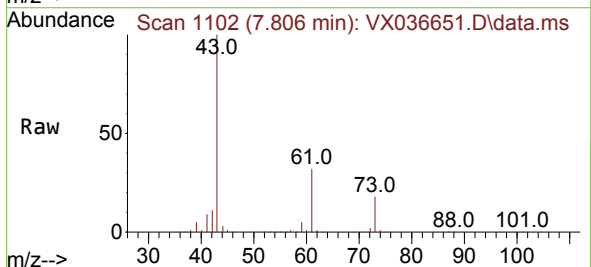
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#04

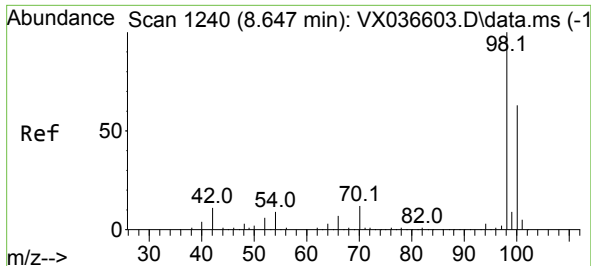
Tgt Ion: 41 Resp: 130317
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 53.5 47.7 71.5



#49
1,4-Dioxane
Concen: 4.681 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

Tgt Ion: 88 Resp: 239
Ion Ratio Lower Upper
88 100
43 586018.4 0.0 0.0#
58 2177.0 60.1 90.1#

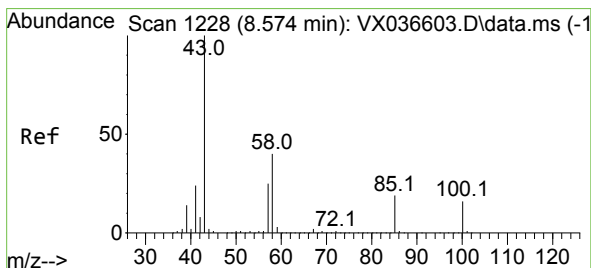
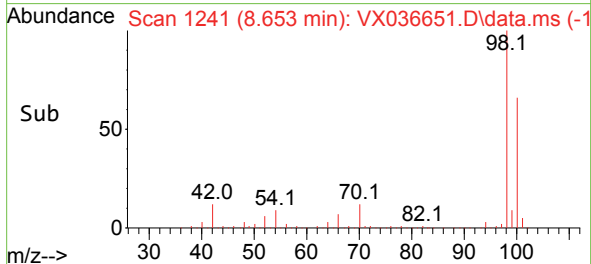
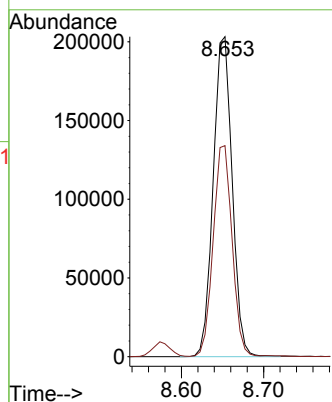
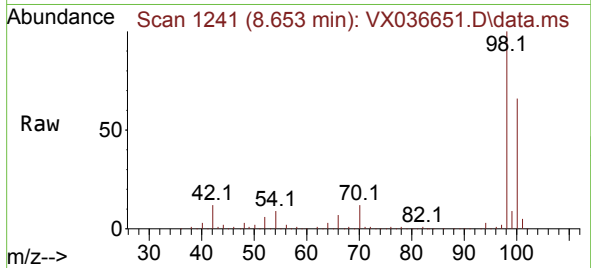




#50
Toluene-d8
Concen: 49.032 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

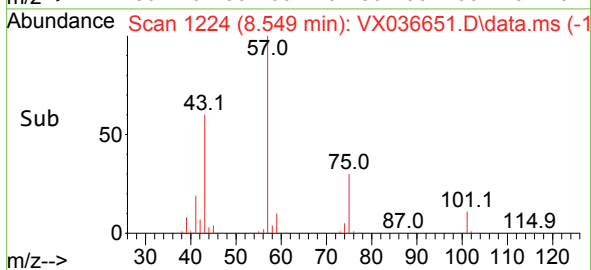
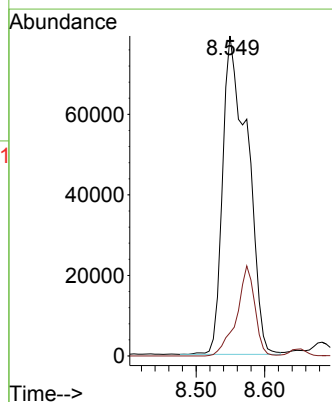
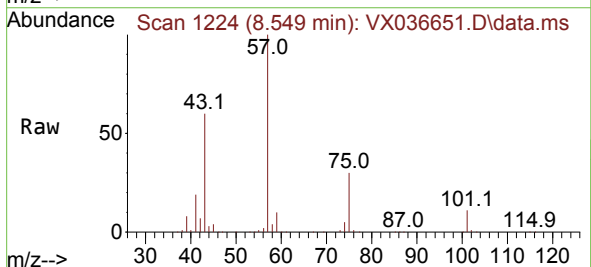
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#04

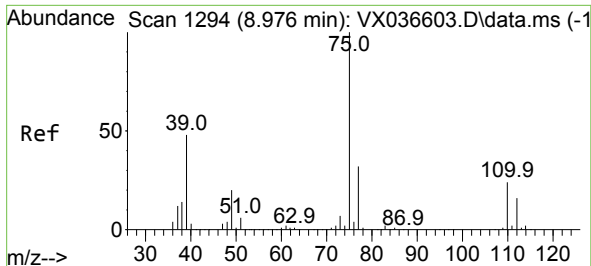
Tgt Ion: 98 Resp: 325406
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 66.172 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

Tgt Ion: 43 Resp: 199011
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

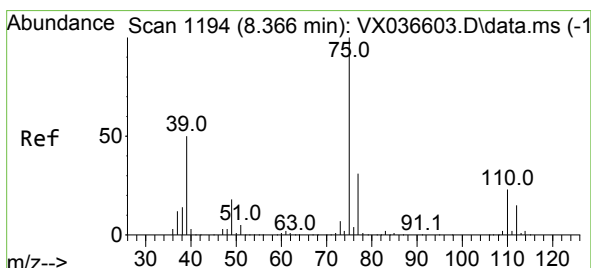
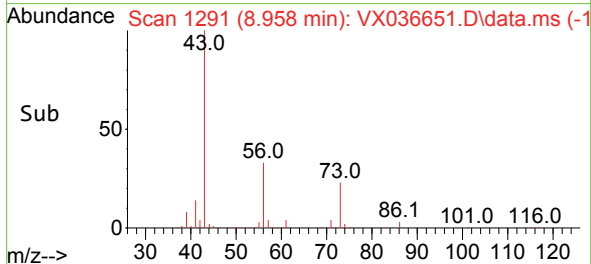
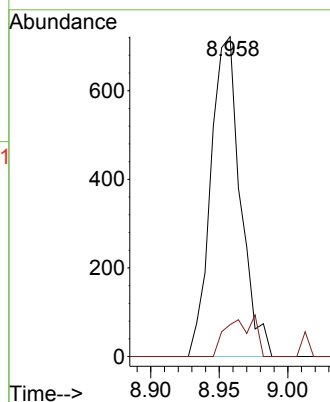
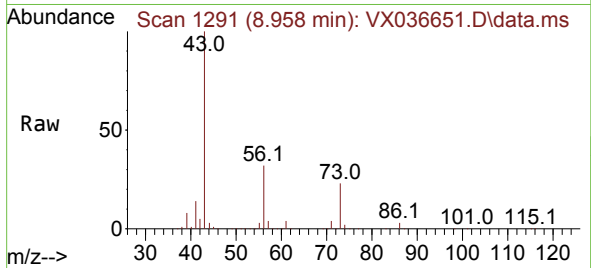




#53
 t-1,3-Dichloropropene
 Concen: 0.308 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX036651.D
 Acq: 25 Jul 2023 14:06

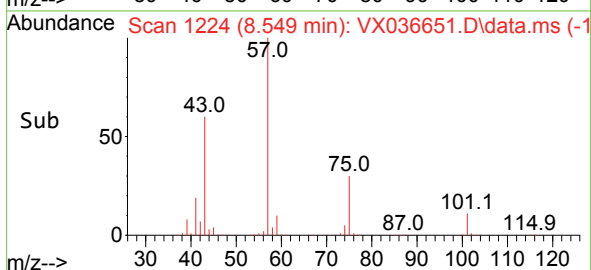
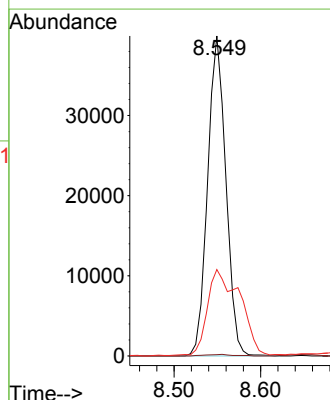
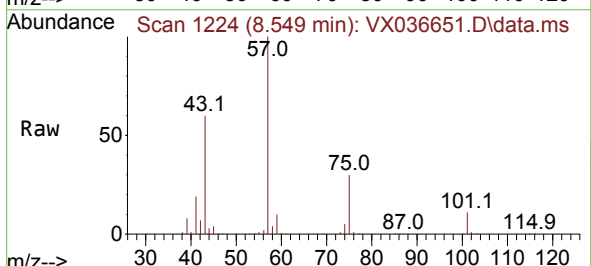
Instrument :
 MSVOA_X
 ClientSampleId :
 PB154393ZHE#04

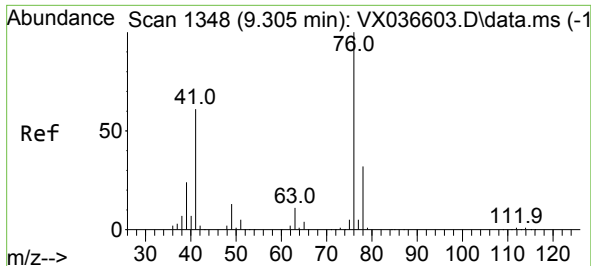
Tgt Ion: 75 Resp: 1085
 Ion Ratio Lower Upper
 75 100
 77 10.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 15.733 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036651.D
 Acq: 25 Jul 2023 14:06

Tgt Ion: 75 Resp: 58409
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 26.7 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.086 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX036651.D

Acq: 25 Jul 2023 14:06

Instrument :

MSVOA_X

ClientSampleId :

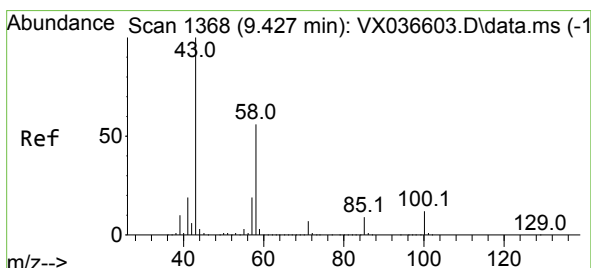
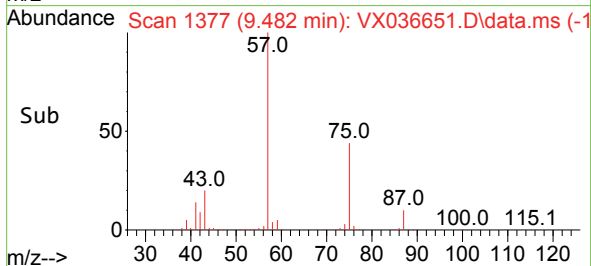
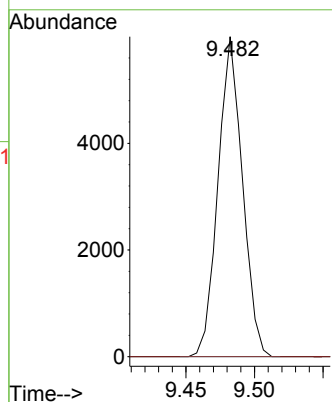
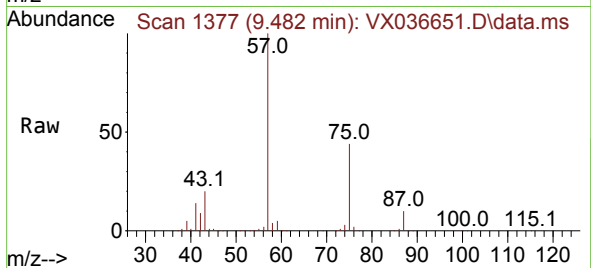
PB154393ZHE#04

Tgt Ion: 76 Resp: 7425

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 61.373 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036651.D

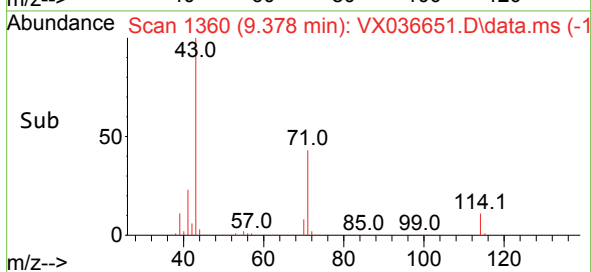
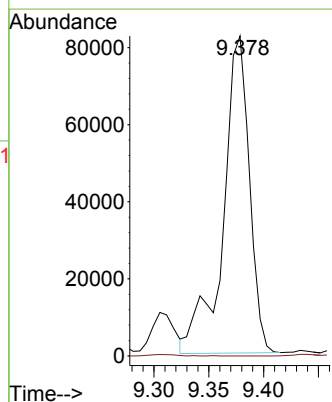
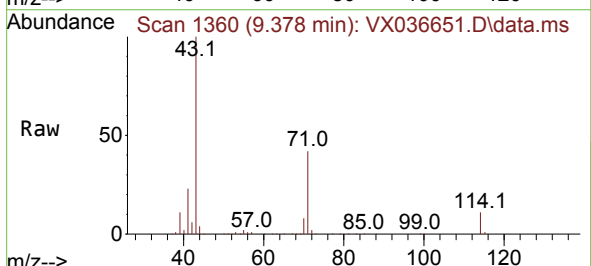
Acq: 25 Jul 2023 14:06

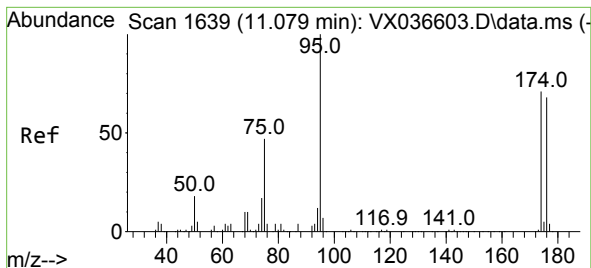
Tgt Ion: 43 Resp: 136986

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

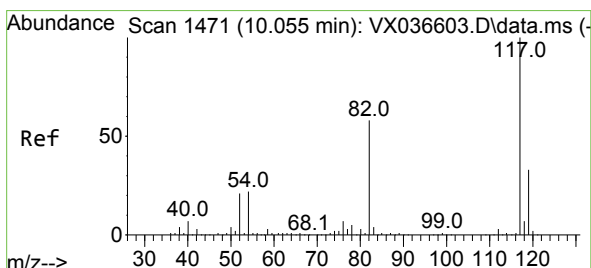
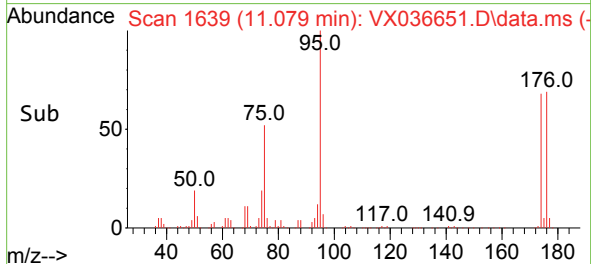
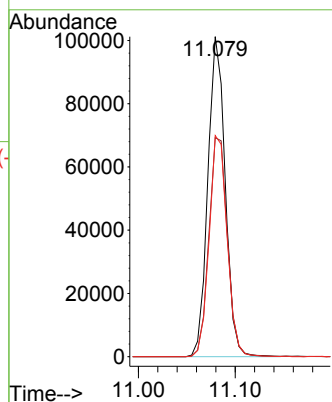
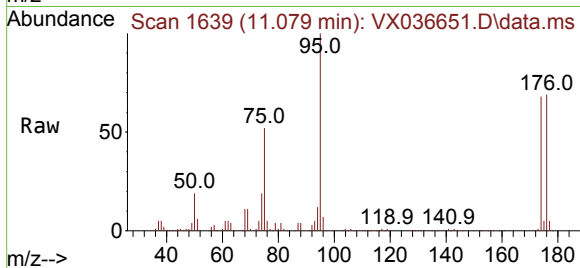




#62
4-Bromofluorobenzene
Concen: 50.444 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

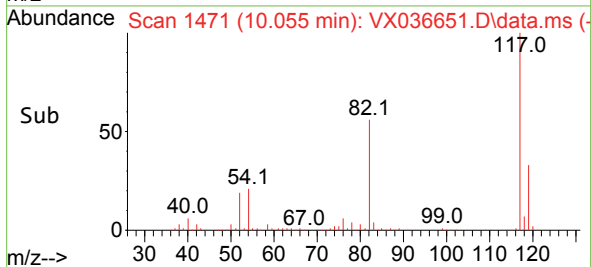
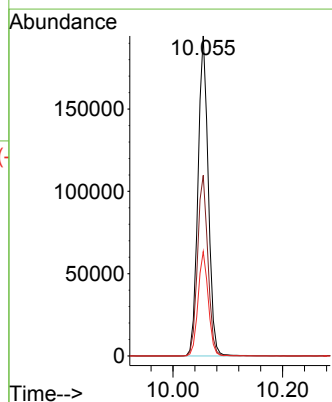
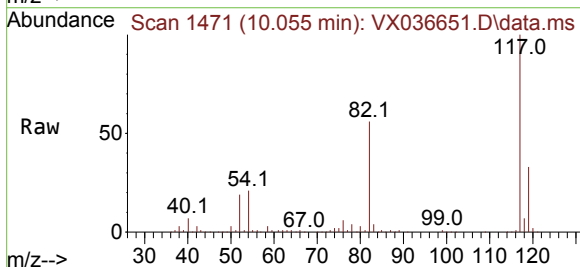
Instrument :
MSVOA_X
ClientSampleId :
PB154393ZHE#04

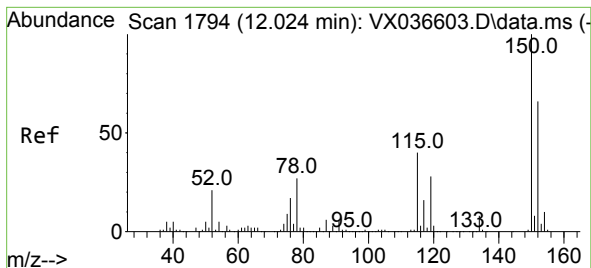
Tgt Ion: 95 Resp: 126304
Ion Ratio Lower Upper
95 100
174 72.8 0.0 135.6
176 71.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036651.D
Acq: 25 Jul 2023 14:06

Tgt Ion: 117 Resp: 254389
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 32.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036651.D

Acq: 25 Jul 2023 14:06

Instrument :

MSVOA_X

ClientSampleId :

PB154393ZHE#04

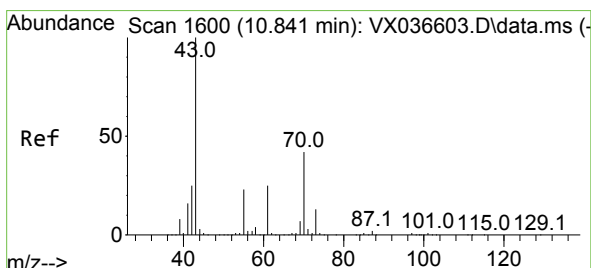
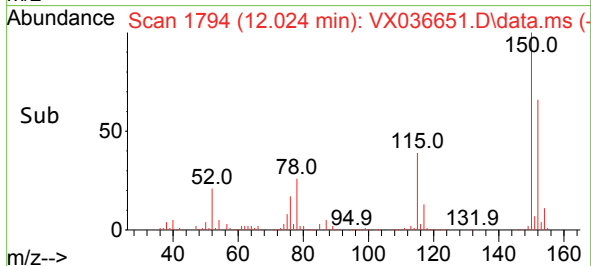
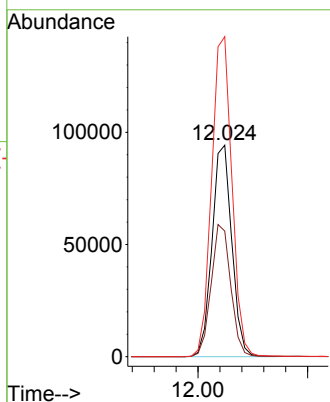
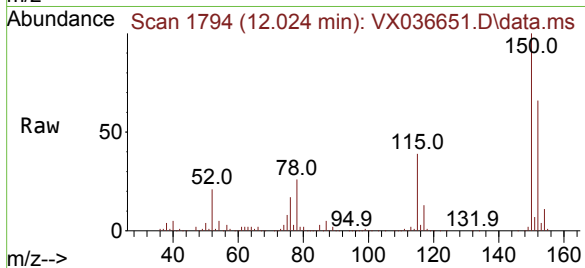
Tgt Ion:152 Resp: 118383

Ion Ratio Lower Upper

152 100

115 62.1 43.3 129.9

150 155.3 0.0 345.0



#74

N-ethyl acetate

Concen: 0.242 ug/l

RT: 10.890 min Scan# 1608

Delta R.T. 0.049 min

Lab File: VX036651.D

Acq: 25 Jul 2023 14:06

Tgt Ion: 43 Resp: 1106

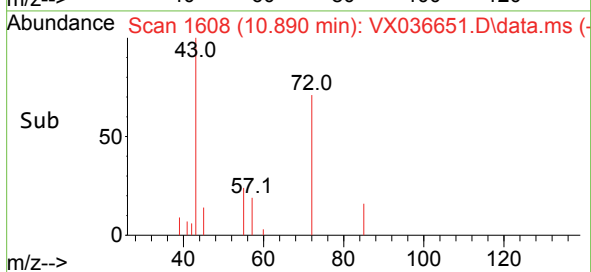
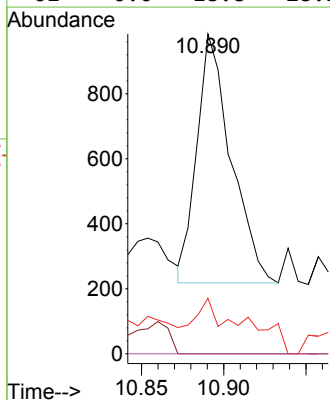
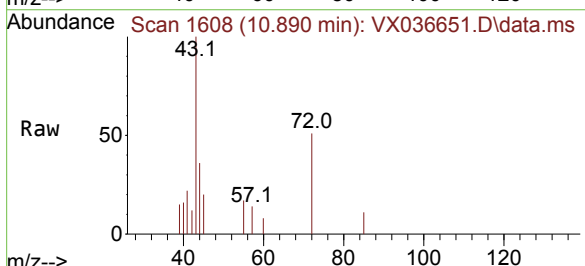
Ion Ratio Lower Upper

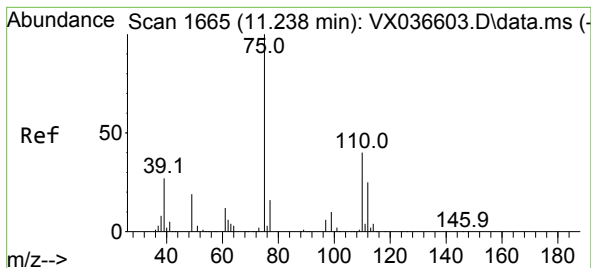
43 100

70 0.0 32.9 49.3#

55 33.4 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 23.531 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX036651.D

Acq: 25 Jul 2023 14:06

Instrument :

MSVOA_X

ClientSampleId :

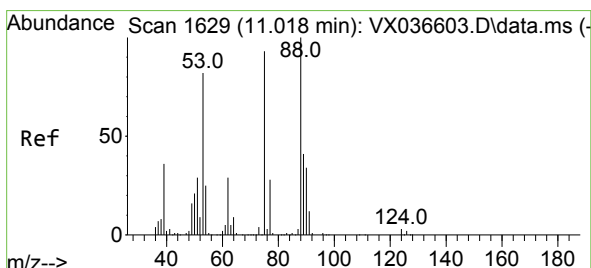
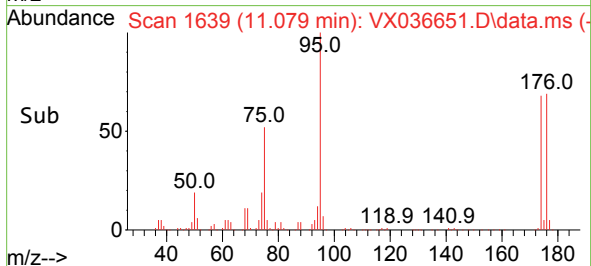
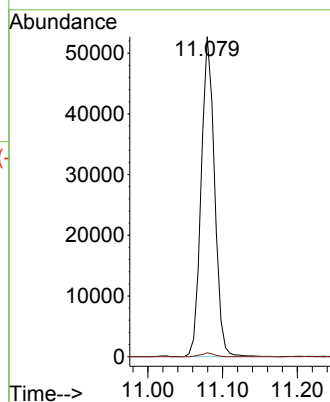
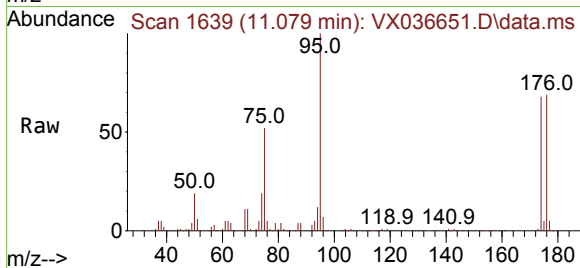
PB154393ZHE#04

Tgt Ion: 75 Resp: 65521

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.334 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036651.D

Acq: 25 Jul 2023 14:06

Tgt Ion: 75 Resp: 65521

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

