

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036404.D
 Acq On : 05 Jul 2023 15:19
 Operator : JC/MD
 Sample : PB153983ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#05

Quant Time: Jul 06 04:52:20 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)

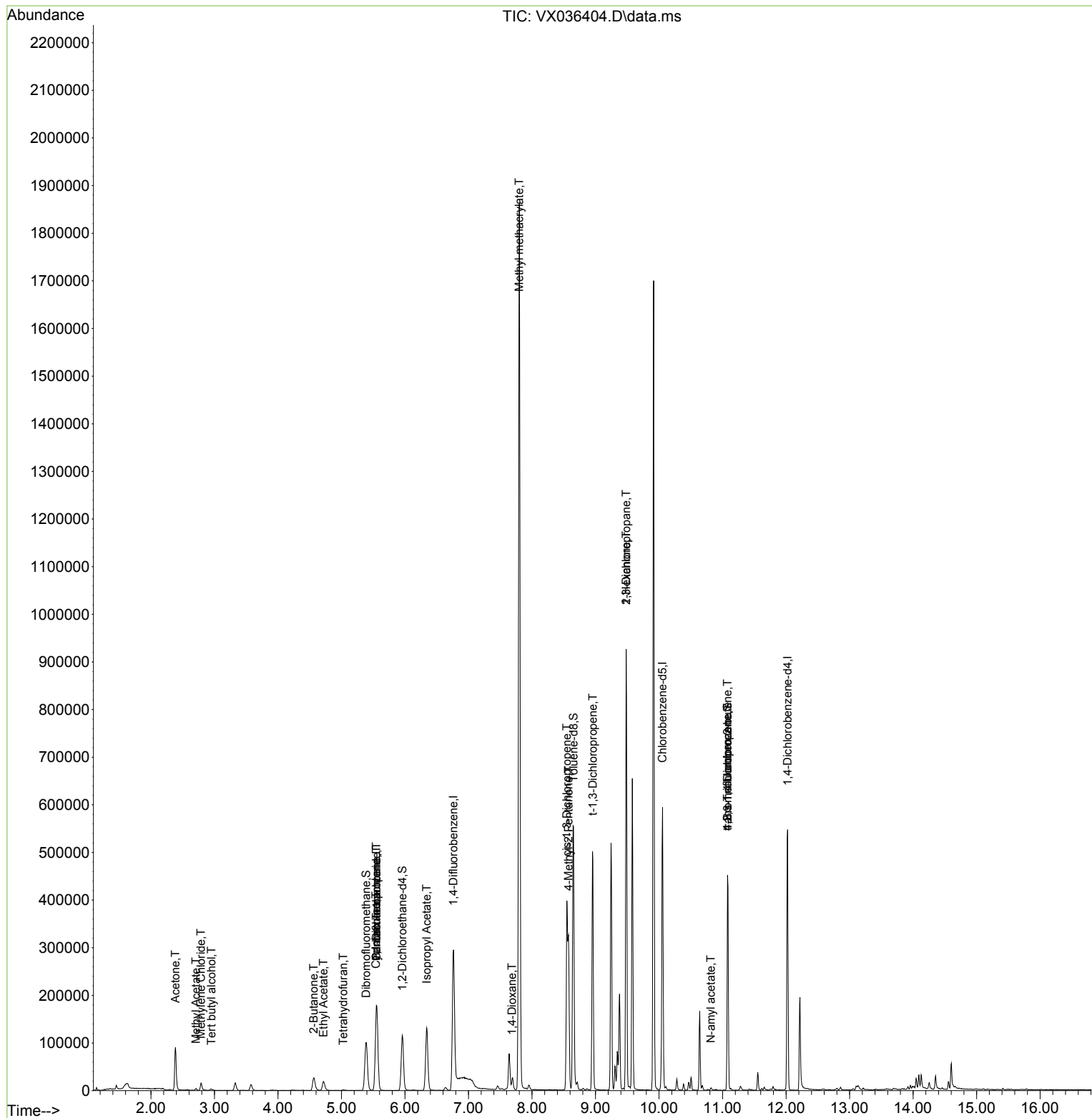
Internal Standards						
1) Pentafluorobenzene	5.550	168	169874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	287783	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	256014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	110308	45.301	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.600%		
35) Dibromofluoromethane	5.385	113	90686	47.791	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.580%		
50) Toluene-d8	8.653	98	345696	48.776	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.560%		
62) 4-Bromofluorobenzene	11.079	95	120364	48.215	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.420%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.952	59	2725	6.148	ug/l #	78
16) Acetone	2.385	43	102922	98.887	ug/l	92
18) Methyl Acetate	2.709	43	4638	1.084	ug/l	96
20) Methylene Chloride	2.788	84	7133	3.183	ug/l	87
25) 2-Butanone	4.562	43	45557	30.464	ug/l	97
29) Tetrahydrofuran	5.025	42	994	1.044	ug/l #	71
31) Cyclohexane	5.543	56	1877	0.602	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	13920	4.921	ug/l #	50
37) Ethyl Acetate	4.714	43	32225	11.178	ug/l	96
38) Carbon Tetrachloride	5.550	117	18025	6.977	ug/l #	15
43) Isopropyl Acetate	6.342	43	178507	38.814	ug/l	97
48) Methyl methacrylate	7.799	41	153864	67.099	ug/l #	48
49) 1,4-Dioxane	7.683	88	50	0.984	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	303249	102.346	ug/l #	80
53) t-1,3-Dichloropropene	8.957	75	1291	0.467	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	60757	19.423	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	7960	2.232	ug/l #	42
59) 2-Hexanone	9.482	43	104500	48.296	ug/l #	53
74) N-amyl acetate	10.817	43	1710	0.499	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	62553	25.503	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	62553	83.135	ug/l #	5

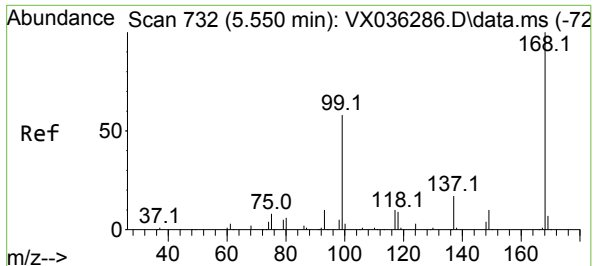
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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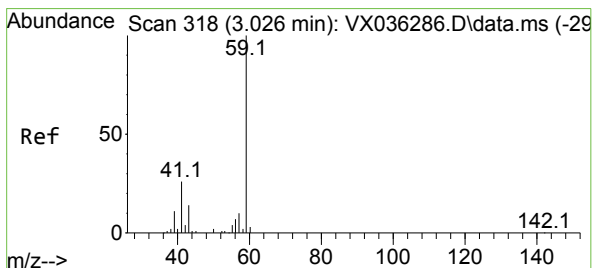
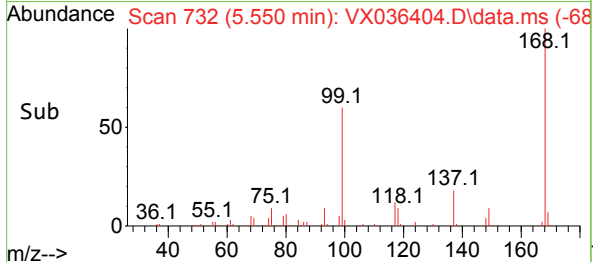
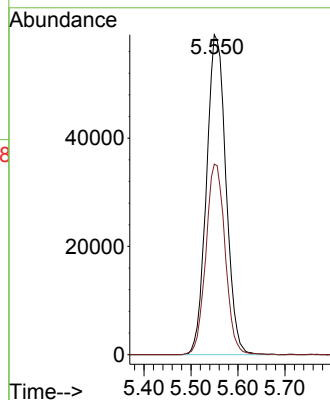
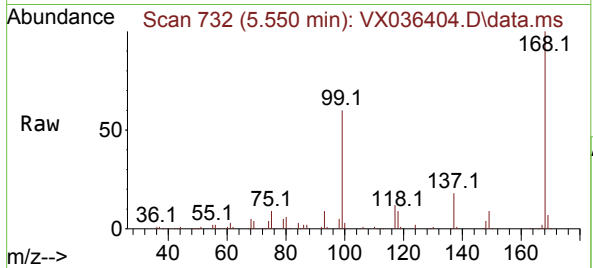




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

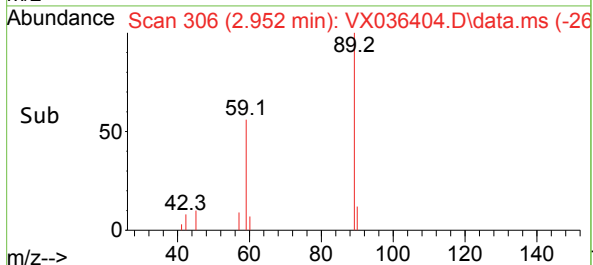
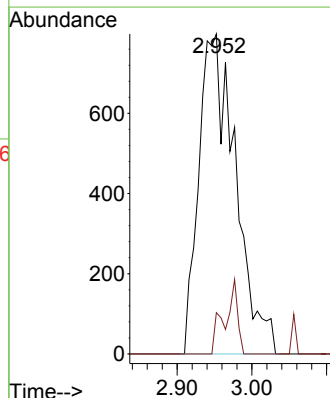
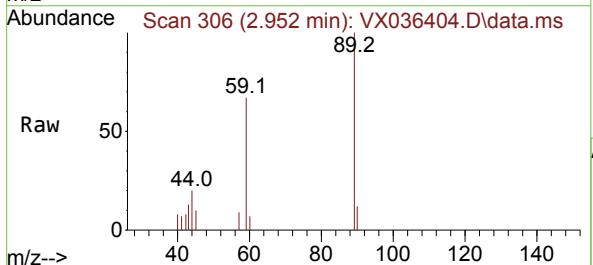
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#05

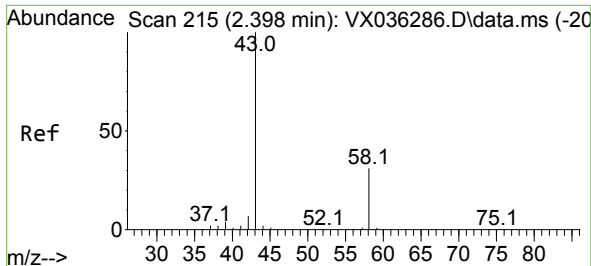
Tgt Ion:168 Resp: 169874
Ion Ratio Lower Upper
168 100
99 59.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 6.148 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.061 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

Tgt Ion: 59 Resp: 2725
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

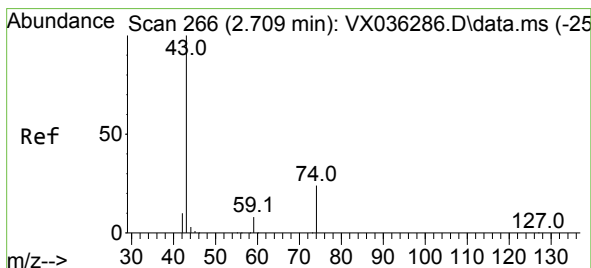
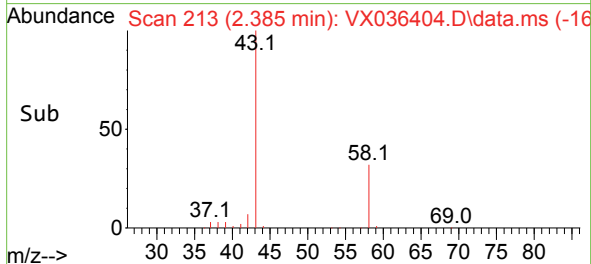
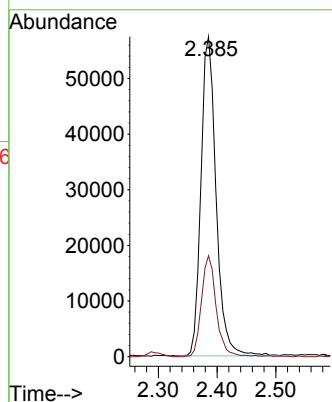
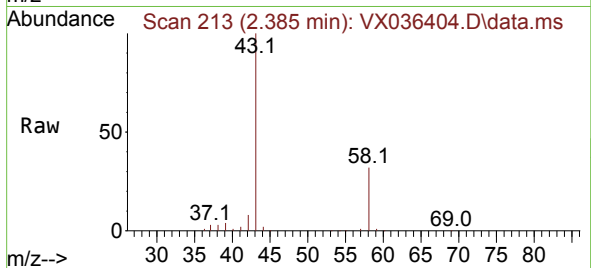




#16
Acetone
Concen: 98.887 ug/l
RT: 2.385 min Scan# 215
Delta R.T. -0.019 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

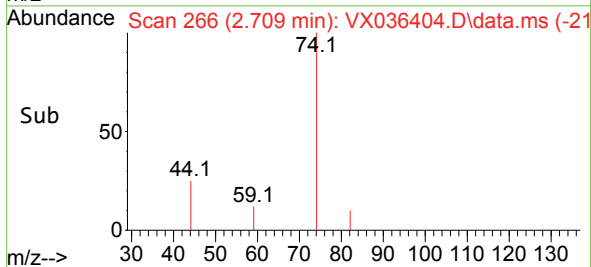
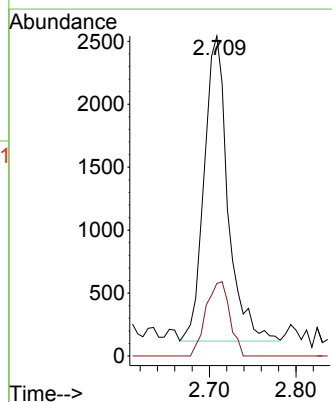
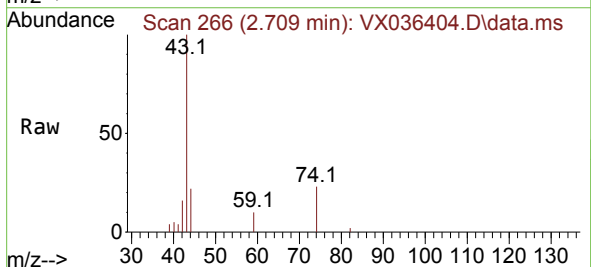
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#05

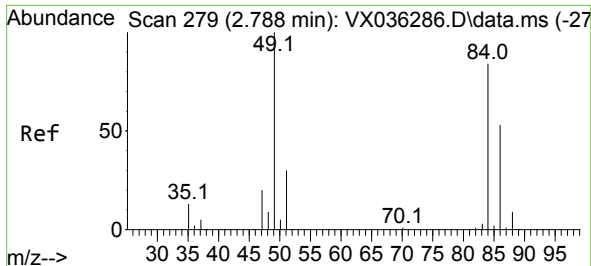
Tgt Ion: 43 Resp: 102922
Ion Ratio Lower Upper
43 100
58 31.6 21.9 32.9



#18
Methyl Acetate
Concen: 1.084 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

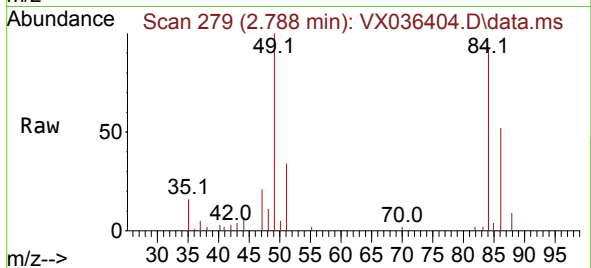
Tgt Ion: 43 Resp: 4638
Ion Ratio Lower Upper
43 100
74 24.2 17.8 26.8



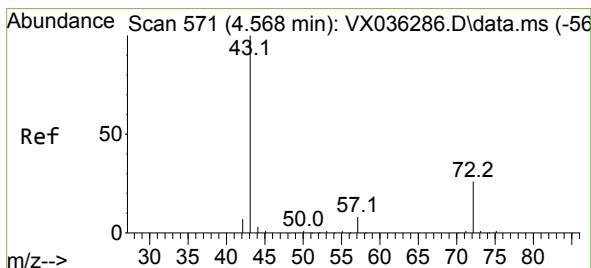
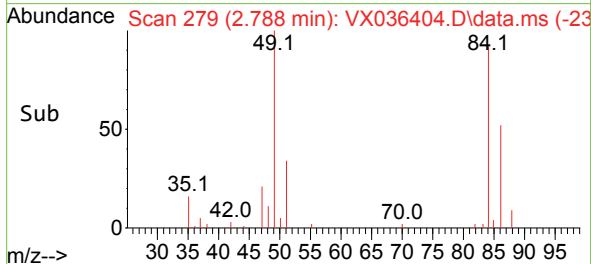
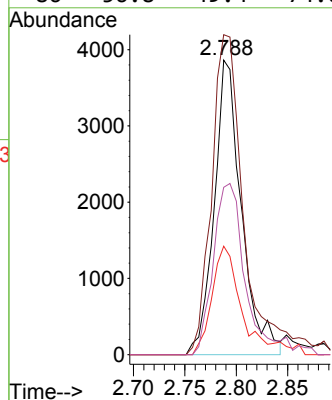


#20
Methylene Chloride
Concen: 3.183 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#05

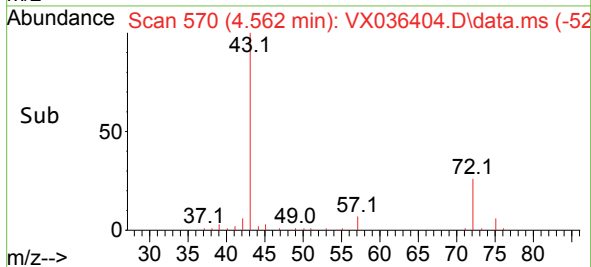
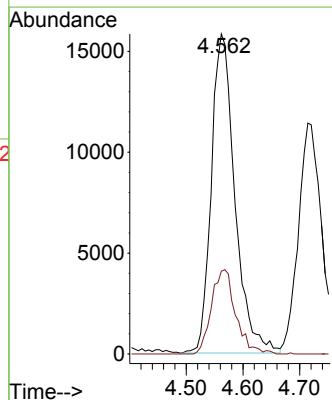
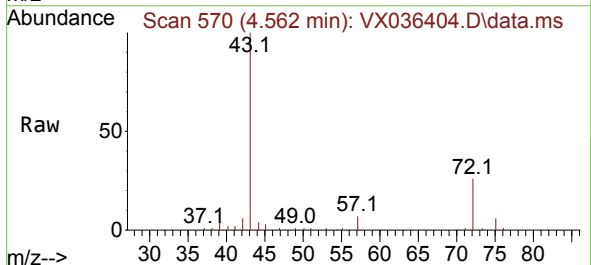


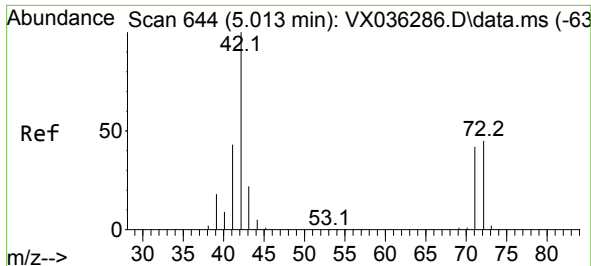
Tgt Ion: 84	Resp: 7133
Ion Ratio	Lower Upper
84 100	
49 108.6	103.6 155.4
51 36.8	33.8 50.6
86 56.8	49.4 74.0



#25
2-Butanone
Concen: 30.464 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

Tgt Ion: 43	Resp: 45557
Ion Ratio	Lower Upper
43 100	
72 25.9	19.4 29.2





#29

Tetrahydrofuran

Concen: 1.044 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX036404.D

Acq: 05 Jul 2023 15:19

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#05

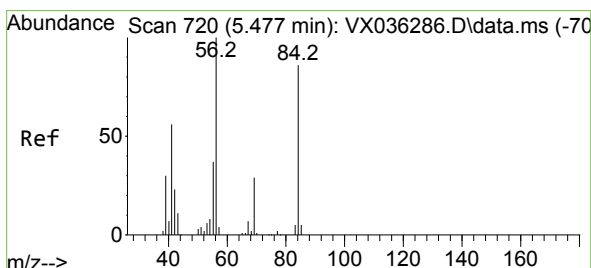
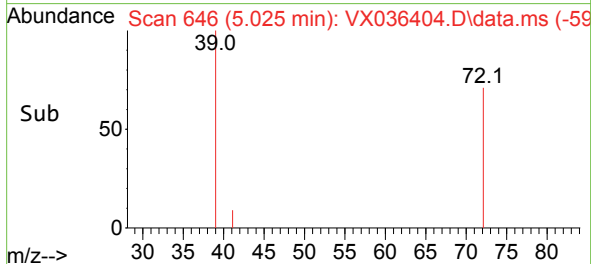
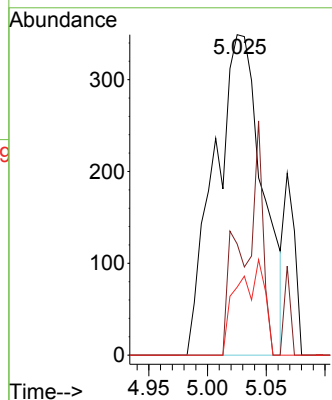
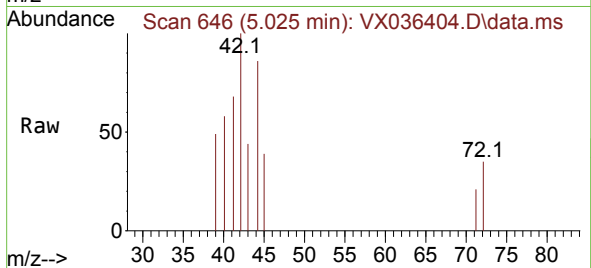
Tgt Ion: 42 Resp: 994

Ion Ratio Lower Upper

42 100

72 29.0 34.2 51.4#

71 16.8 32.2 48.2#



#31

Cyclohexane

Concen: 0.602 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX036404.D

Acq: 05 Jul 2023 15:19

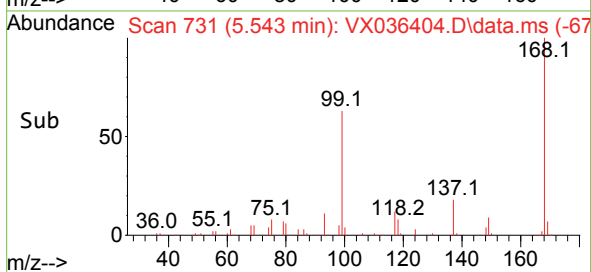
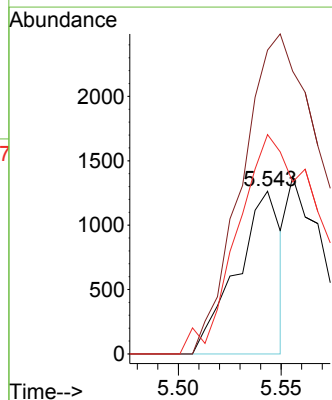
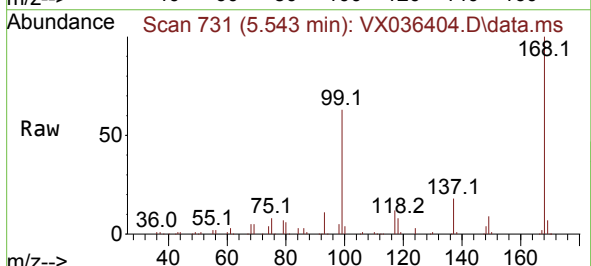
Tgt Ion: 56 Resp: 1877

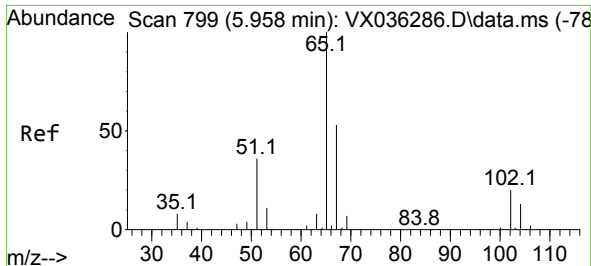
Ion Ratio Lower Upper

56 100

69 186.9 23.4 35.2#

84 134.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.301 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX036404.D

Acq: 05 Jul 2023 15:19

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MSVOA_X

ClientSampleId :

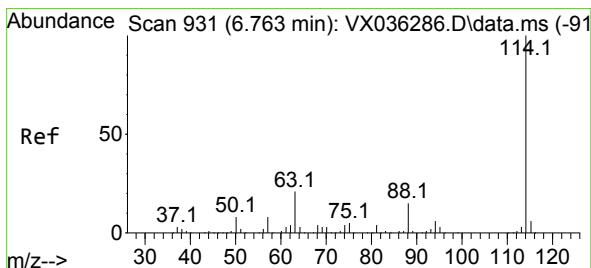
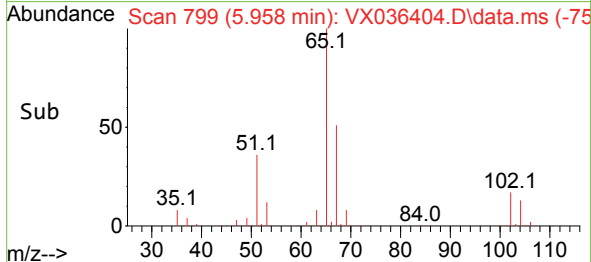
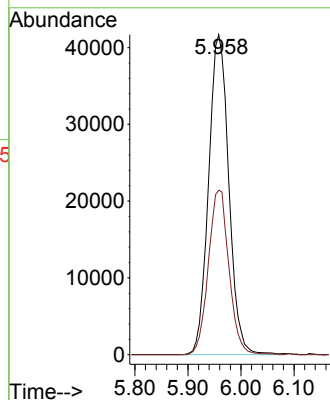
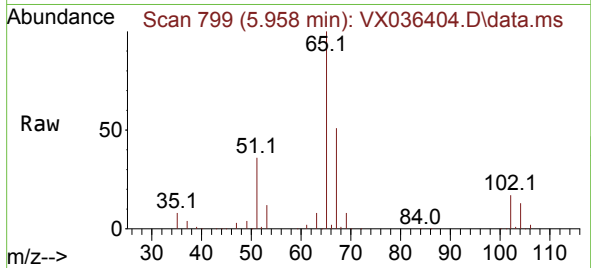
PB153983ZHE#05

Tgt Ion: 65 Resp: 110308

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: VX036404.D

Acq: 05 Jul 2023 15:19

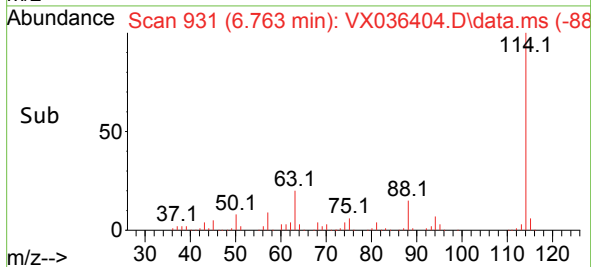
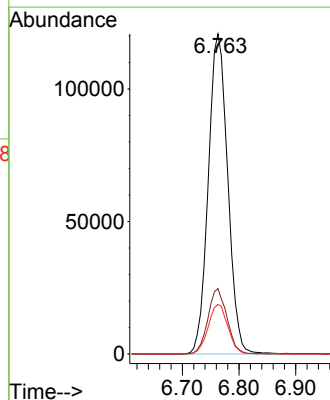
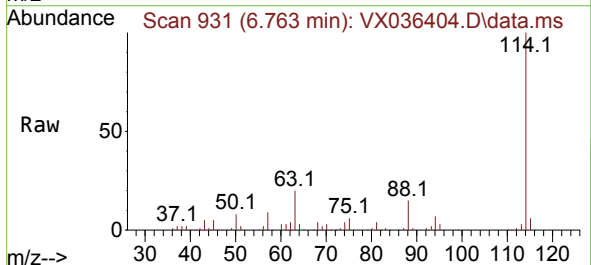
Tgt Ion: 114 Resp: 287783

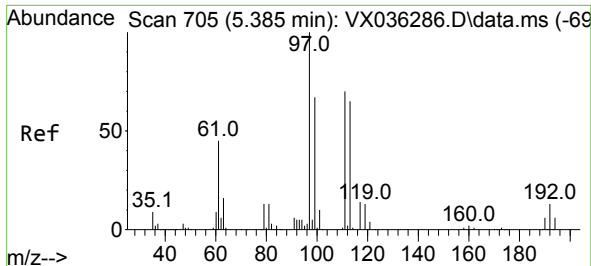
Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.0

88 15.4 0.0 36.6

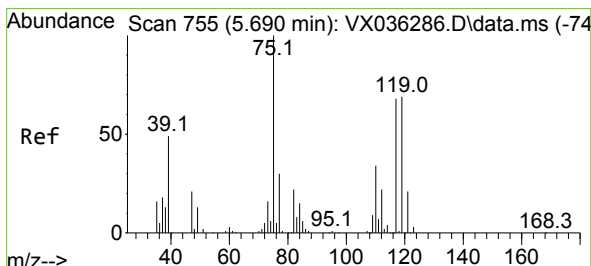
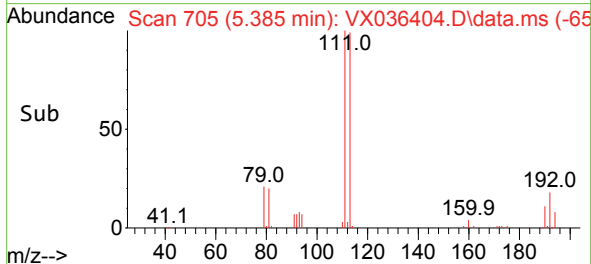
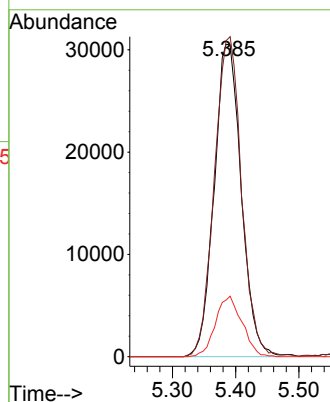
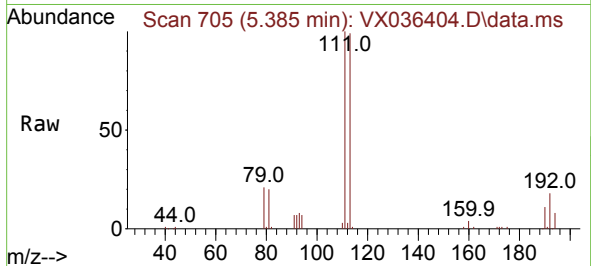




#35
Dibromofluoromethane
Concen: 47.791 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

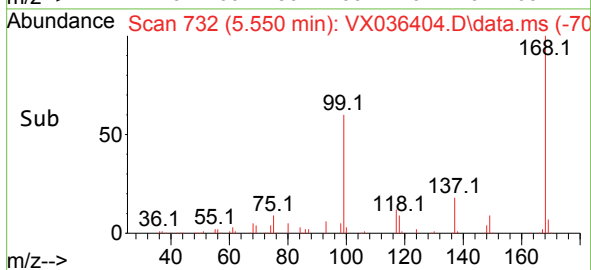
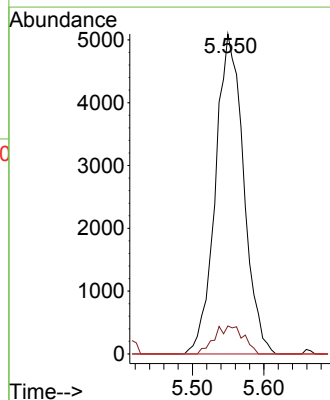
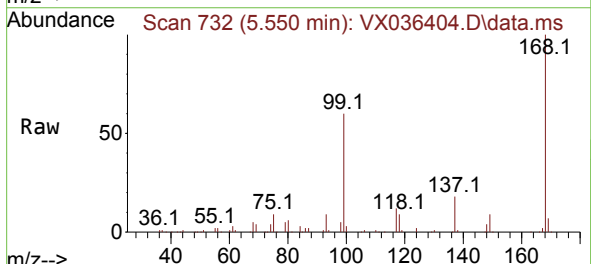
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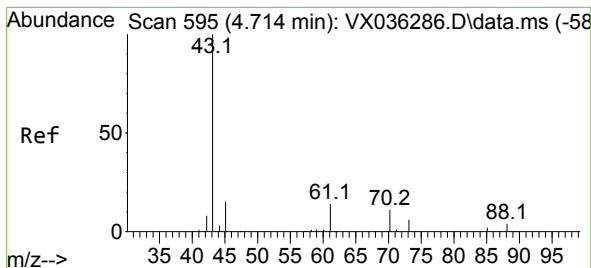
Tgt Ion:113 Resp: 90686
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 19.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.921 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

Tgt Ion: 75 Resp: 13920
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 11.178 ug/l

RT: 4.714 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX036404.D

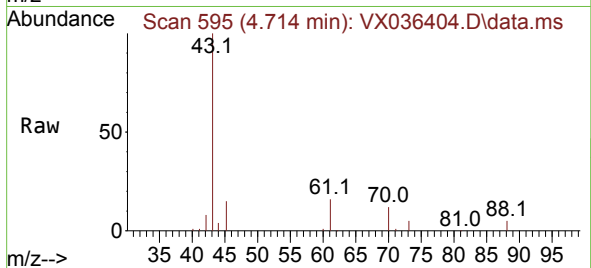
Acq: 05 Jul 2023 15:19

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#05



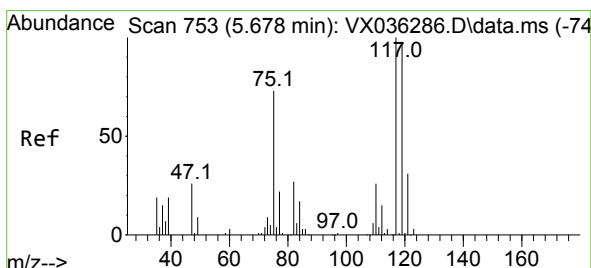
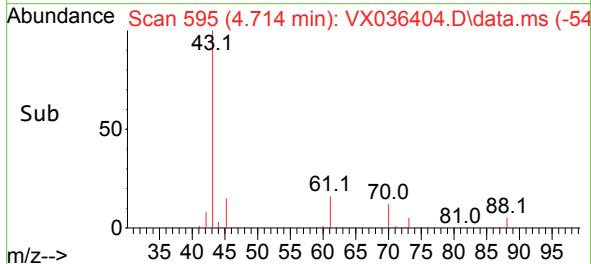
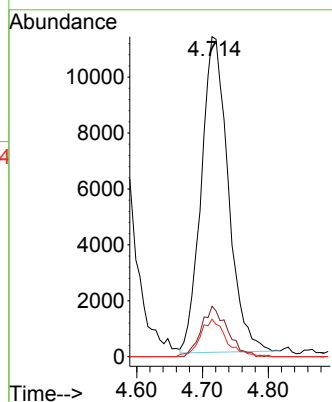
Tgt Ion: 43 Resp: 32225

Ion Ratio Lower Upper

43 100

61 15.5 10.6 16.0

70 11.4 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.977 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX036404.D

Acq: 05 Jul 2023 15:19

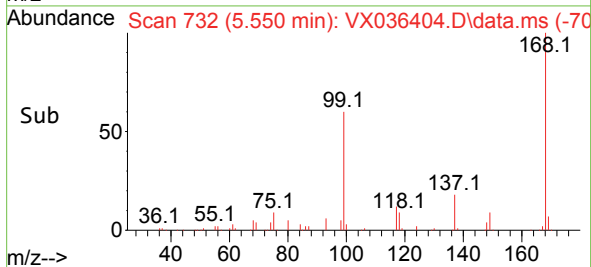
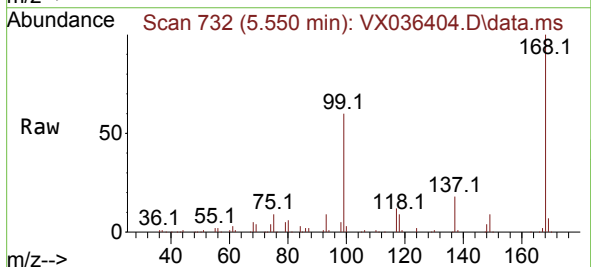
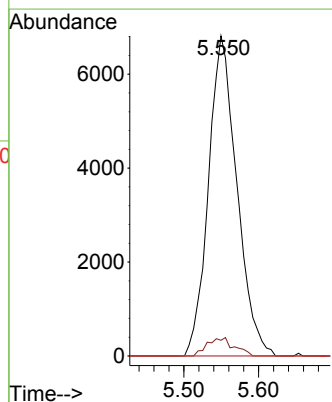
Tgt Ion: 117 Resp: 18025

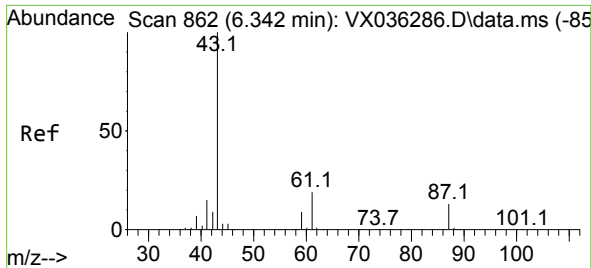
Ion Ratio Lower Upper

117 100

119 4.9 78.2 117.2#

121 0.0 24.4 36.6#

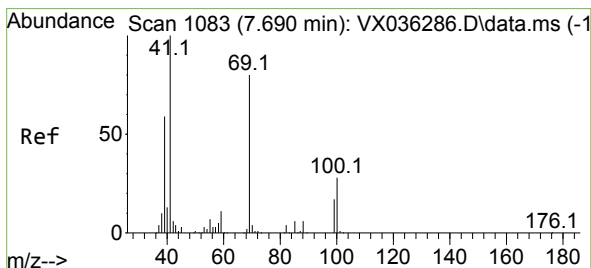
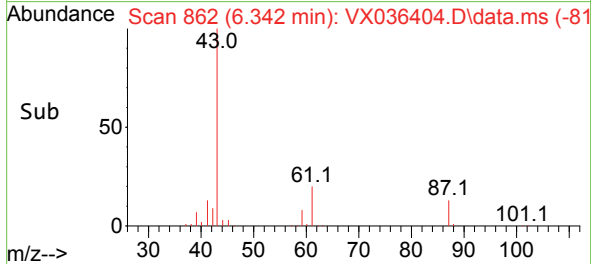
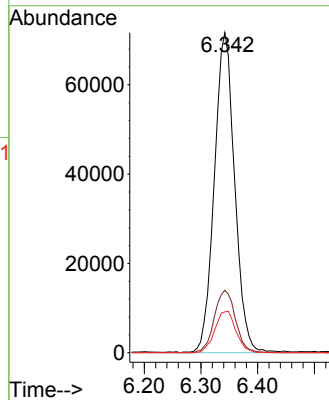
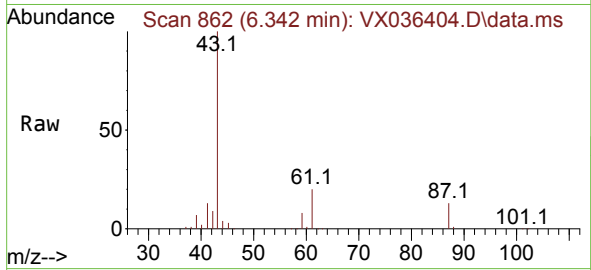




#43
Isopropyl Acetate
Concen: 38.814 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

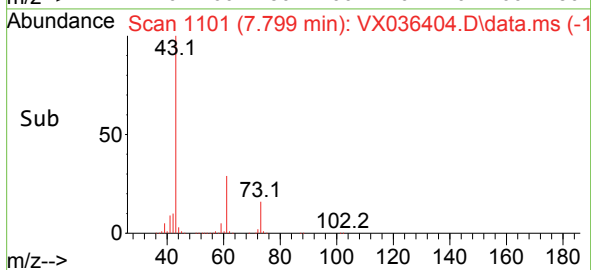
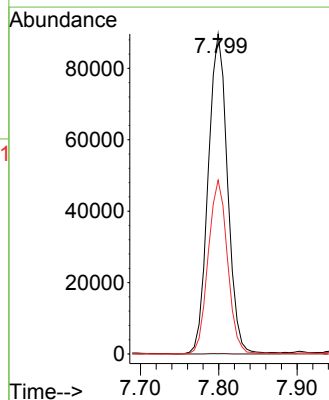
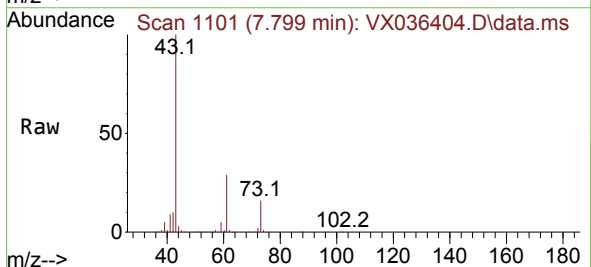
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#05

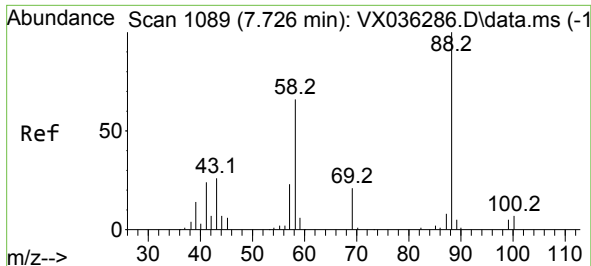
Tgt Ion: 43 Resp: 178507
Ion Ratio Lower Upper
43 100
61 20.2 15.2 22.8
87 13.5 9.8 14.6



#48
Methyl methacrylate
Concen: 67.099 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

Tgt Ion: 41 Resp: 153864
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.0 47.7 71.5

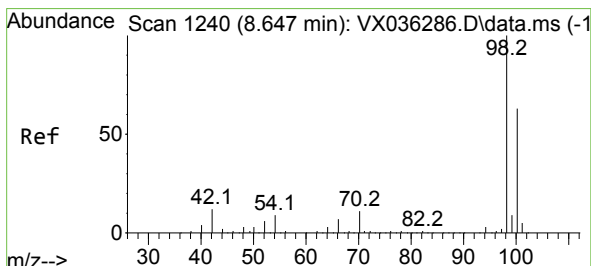
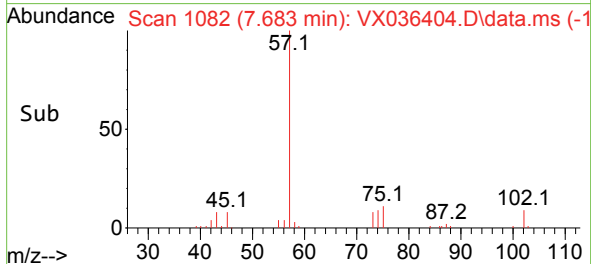
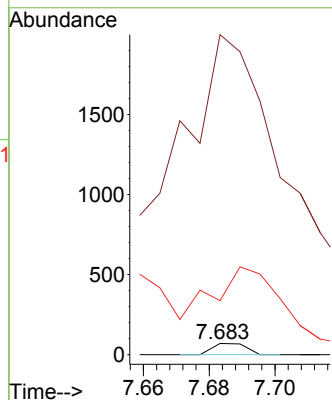
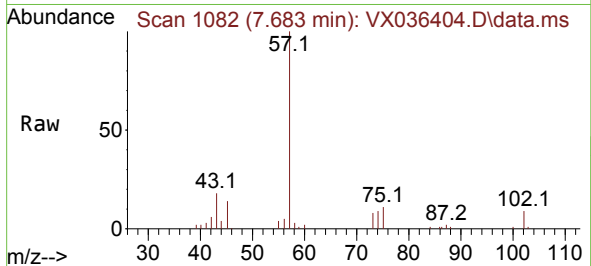




#49
1,4-Dioxane
Concen: 0.984 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.049 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

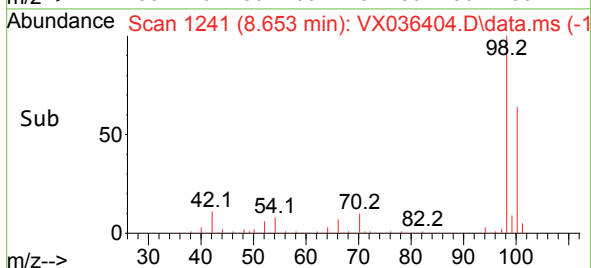
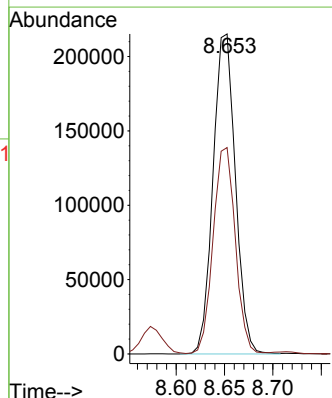
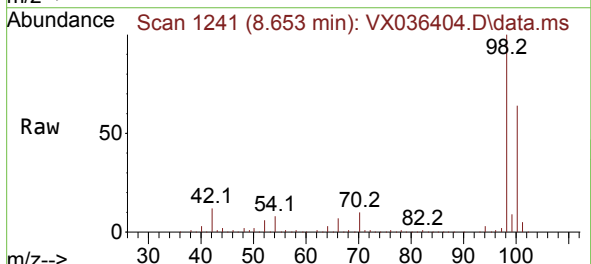
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#05

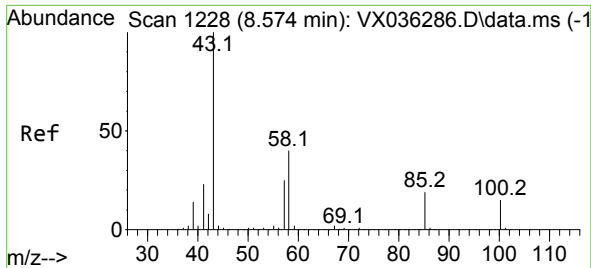
Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 1832.0 60.1 90.1#



#50
Toluene-d8
Concen: 48.776 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

Tgt Ion: 98 Resp: 345696
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7

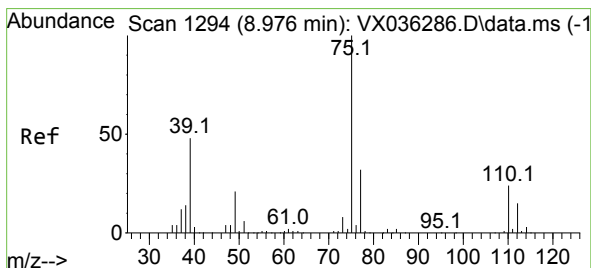
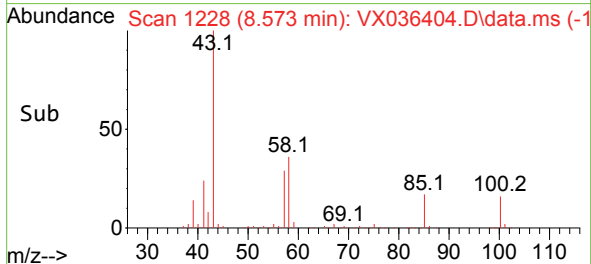
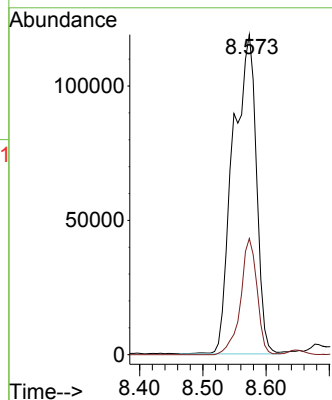
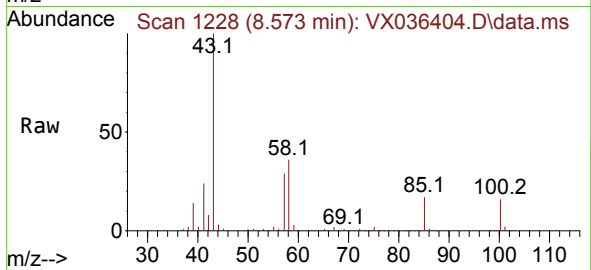




#51
4-Methyl-2-Pentanone
Concen: 102.346 ug/l
RT: 8.573 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

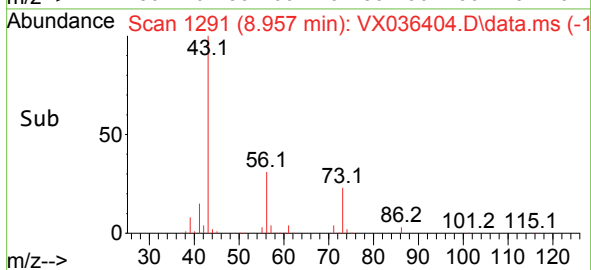
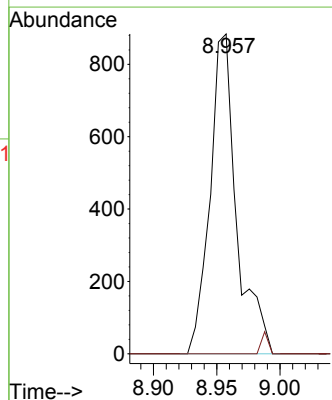
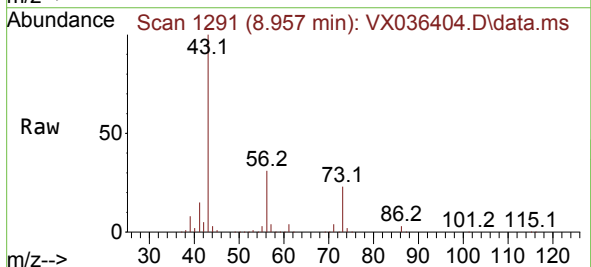
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#05

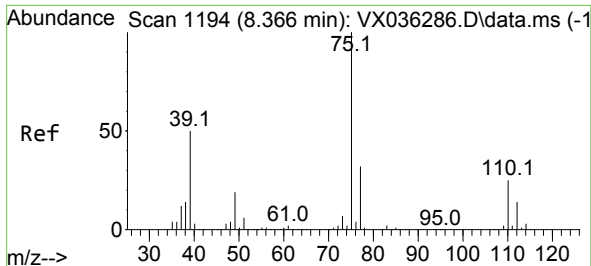
Tgt Ion: 43 Resp: 303249
Ion Ratio Lower Upper
43 100
58 25.8 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.467 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.019 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

Tgt Ion: 75 Resp: 1291
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

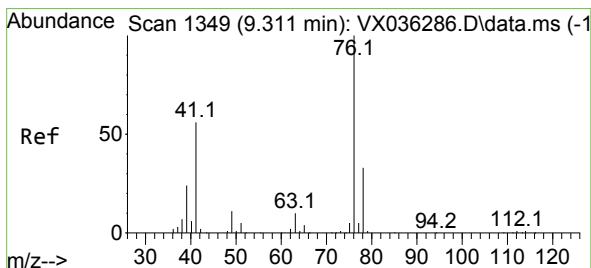
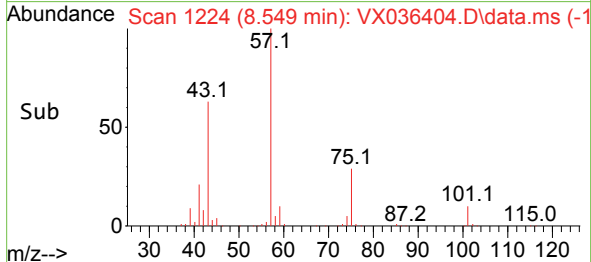
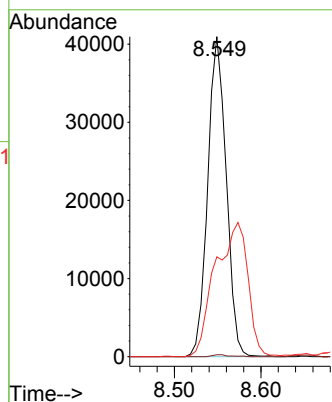
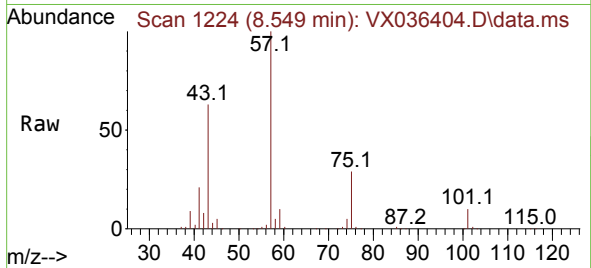




#54
 cis-1,3-Dichloropropene
 Concen: 19.423 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036404.D
 Acq: 05 Jul 2023 15:19

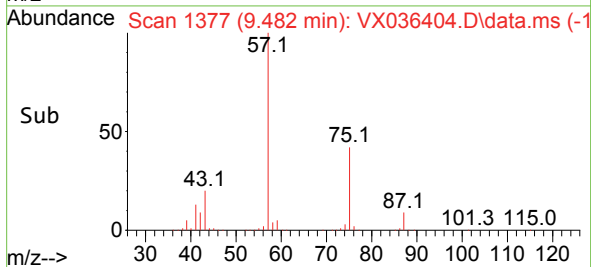
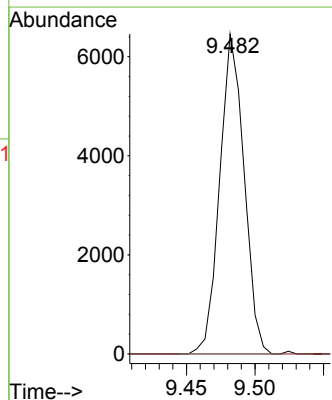
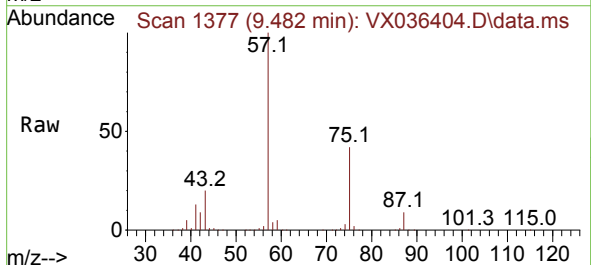
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#05

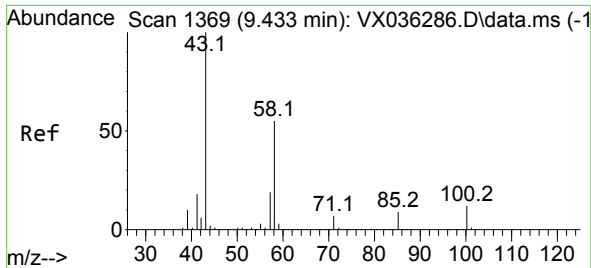
Tgt Ion: 75 Resp: 60757
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 31.2 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.232 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036404.D
 Acq: 05 Jul 2023 15:19

Tgt Ion: 76 Resp: 7960
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

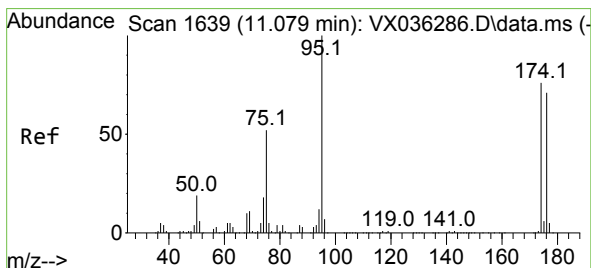
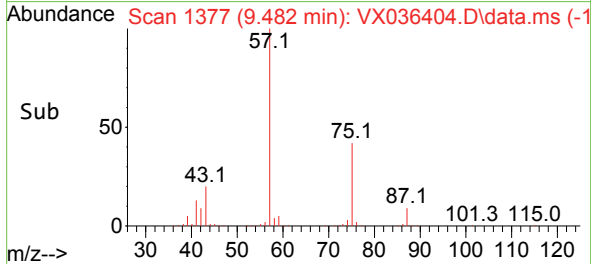
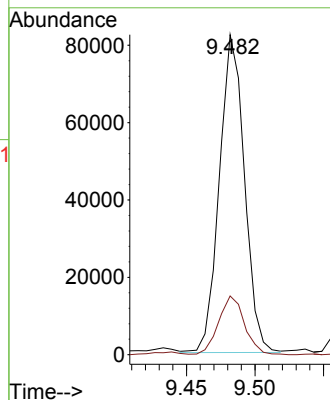
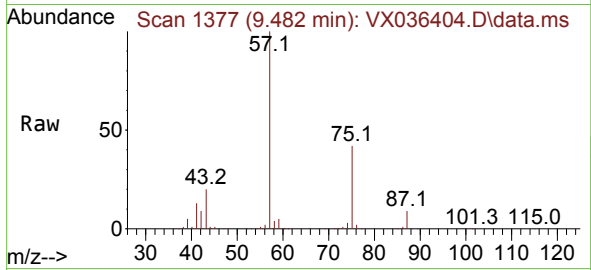




#59
2-Hexanone
Concen: 48.296 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

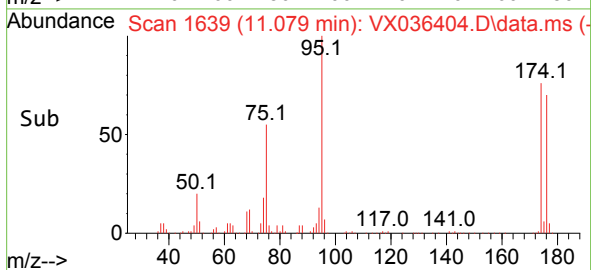
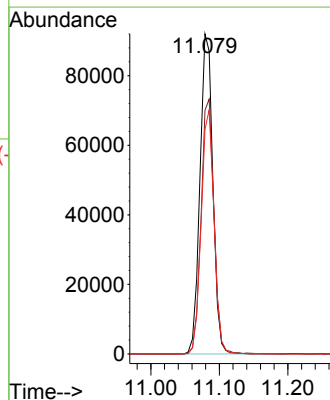
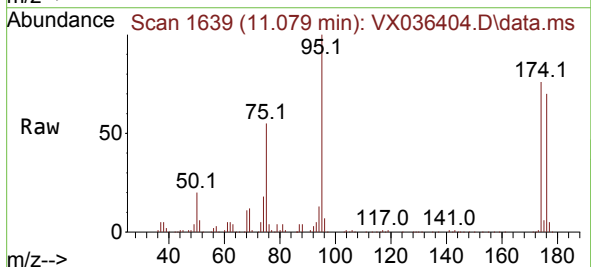
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#05

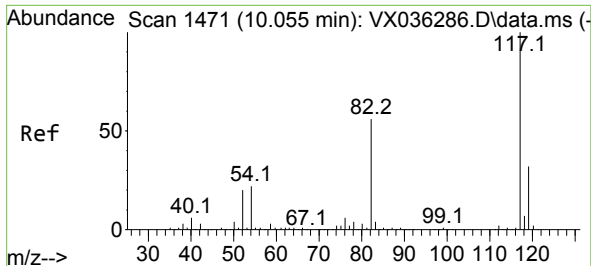
Tgt Ion: 43 Resp: 104500
Ion Ratio Lower Upper
43 100
58 19.2 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

Tgt Ion: 95 Resp: 120364
Ion Ratio Lower Upper
95 100
174 79.9 0.0 135.6
176 75.9 0.0 131.0

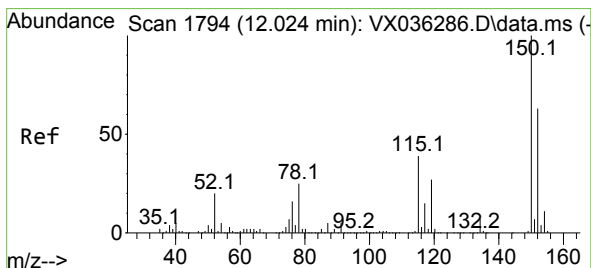
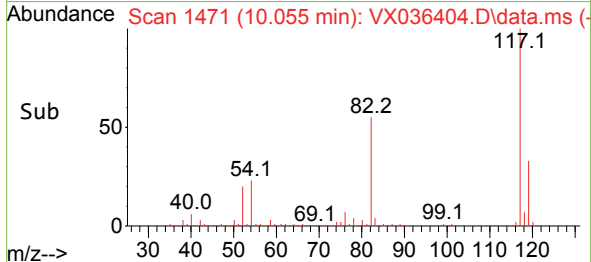
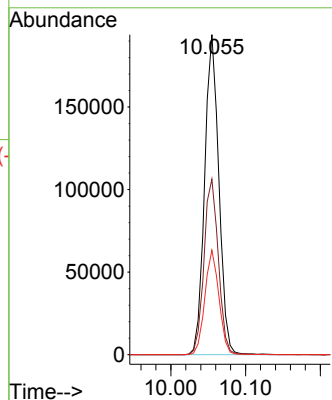
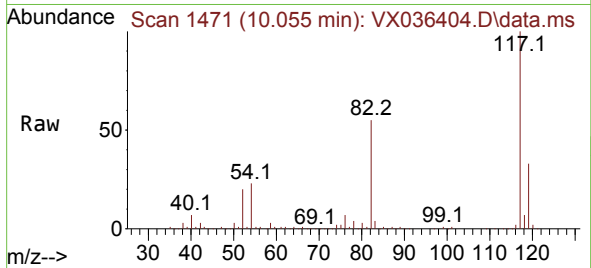




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

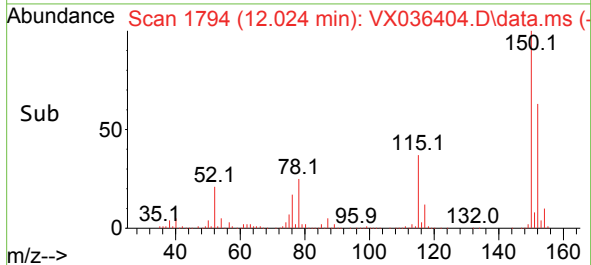
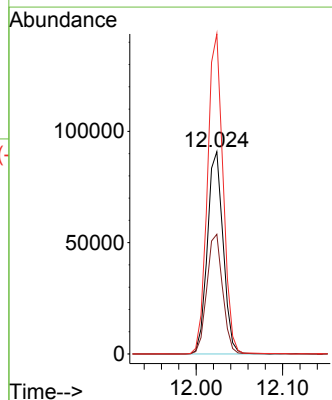
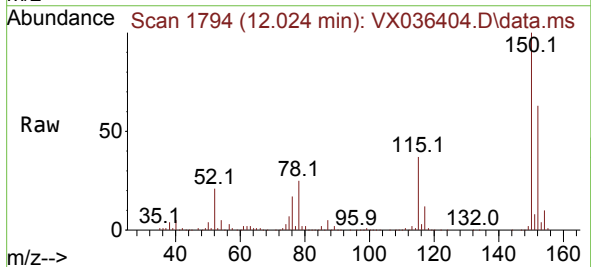
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#05

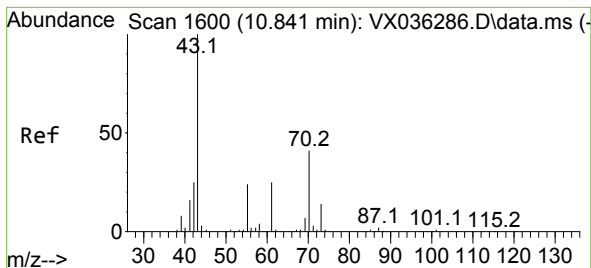
Tgt Ion:117 Resp: 256014
Ion Ratio Lower Upper
117 100
82 54.8 46.2 69.4
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

Tgt Ion:152 Resp: 114988
Ion Ratio Lower Upper
152 100
115 59.3 43.3 129.9
150 157.0 0.0 345.0

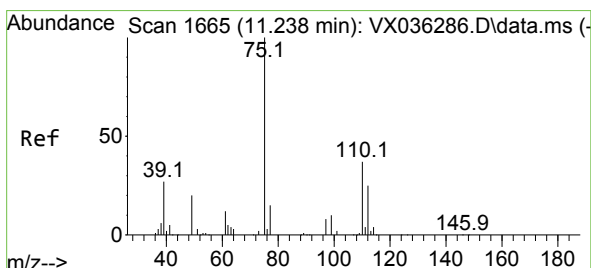
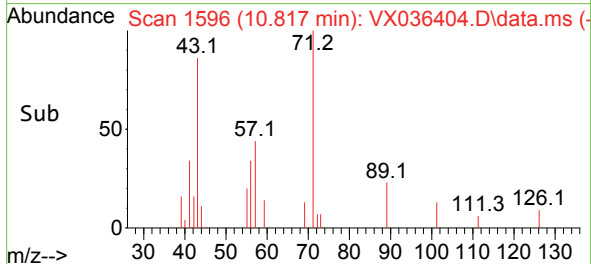
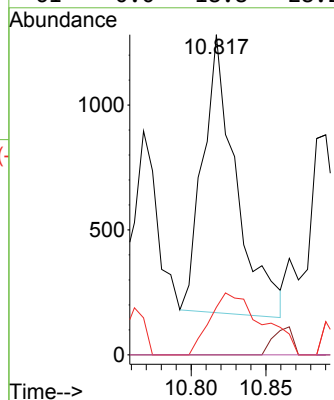
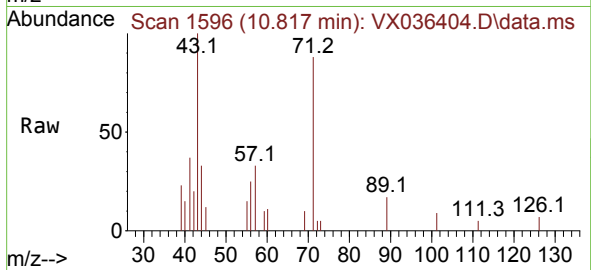




#74
N-amy1 acetate
Concen: 0.499 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

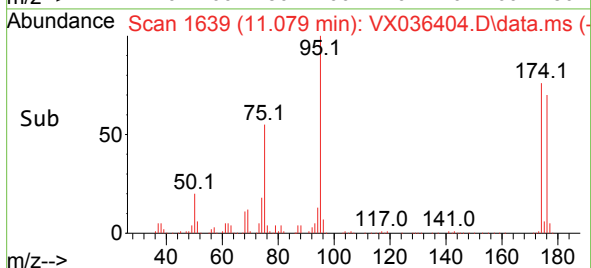
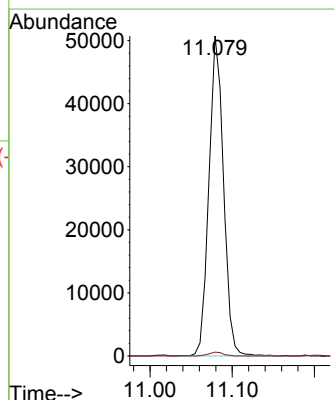
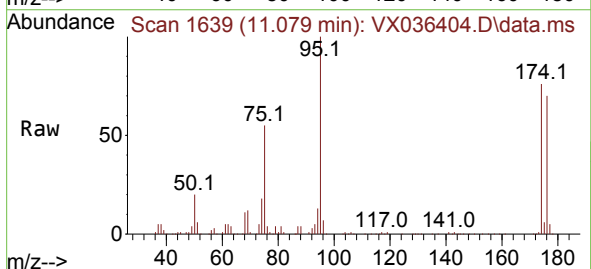
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#05

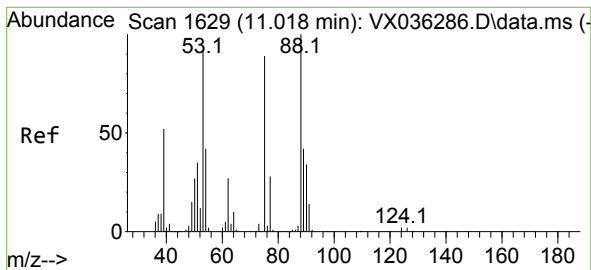
Tgt Ion:	43	Resp:	1710
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.9	49.3#
55	35.4	19.3	28.9#
61	0.0	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 25.503 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036404.D
Acq: 05 Jul 2023 15:19

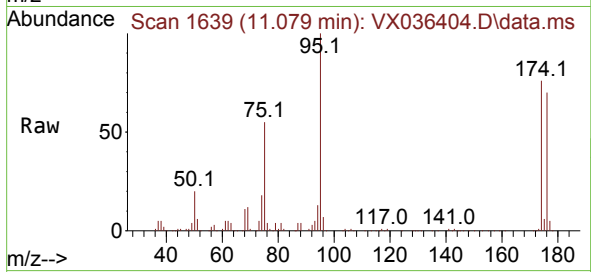
Tgt Ion:	75	Resp:	62553
Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.1	57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.135 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036404.D
 Acq: 05 Jul 2023 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#05



Tgt Ion: 75 Resp: 62553
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

