

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071023\
 Data File : VX036487.D
 Acq On : 10 Jul 2023 16:55
 Operator : JC/MD
 Sample : PB154051ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#01

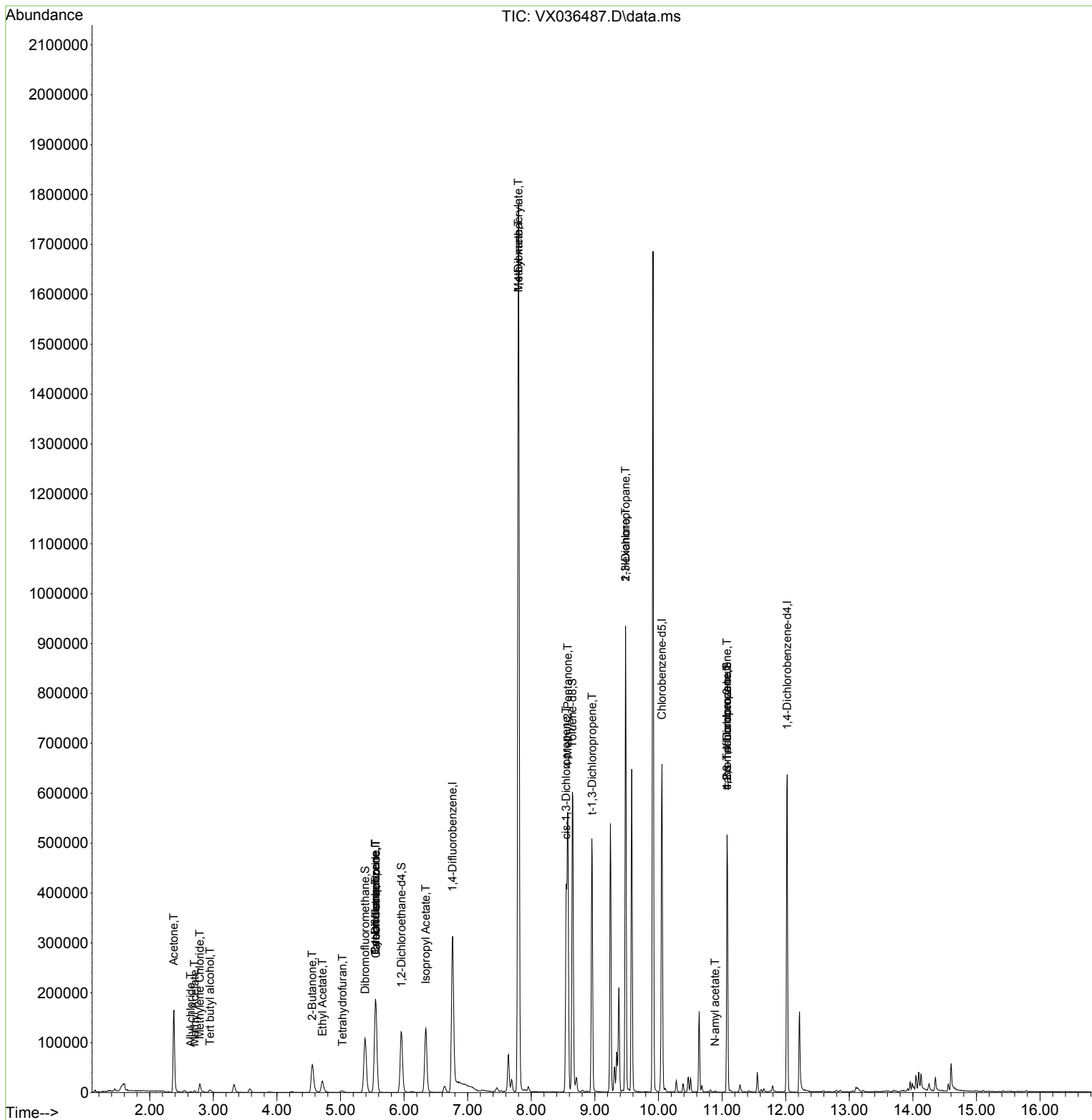
Quant Time: Jul 11 01:31:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

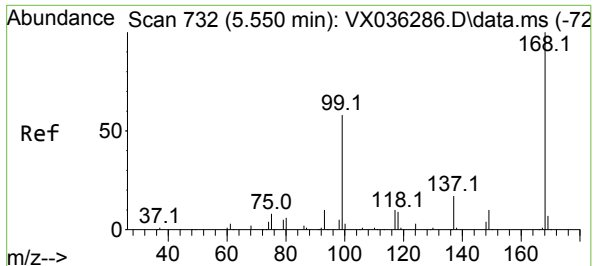
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	174386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	302317	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	278453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	116188	46.481	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.960%		
35) Dibromofluoromethane	5.385	113	94327	47.320	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.640%		
50) Toluene-d8	8.647	98	373019	50.101	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.200%		
62) 4-Bromofluorobenzene	11.079	95	132552	50.544	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.080%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	5158	11.336	ug/l #	94
14) Allyl chloride	2.642	41	1451	0.451	ug/l #	54
16) Acetone	2.379	43	175039	163.826	ug/l	94
18) Methyl Acetate	2.703	43	4042	0.920	ug/l	96
20) Methylene Chloride	2.788	84	8986	3.906	ug/l	86
25) 2-Butanone	4.556	43	99098	64.553	ug/l	93
29) Tetrahydrofuran	5.031	42	3109	3.181	ug/l	92
31) Cyclohexane	5.550	56	4091	1.277	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	14581	4.907	ug/l #	50
37) Ethyl Acetate	4.714	43	39407	13.012	ug/l	97
38) Carbon Tetrachloride	5.556	117	18417	6.786	ug/l #	15
43) Isopropyl Acetate	6.342	43	175829	36.394	ug/l	98
48) Methyl methacrylate	7.799	41	149995	62.267	ug/l #	49
49) 1,4-Dioxane	7.799	88	269	5.037	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	435912	140.046	ug/l #	86
53) t-1,3-Dichloropropene	8.957	75	1077	0.370	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	59176	18.008	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	7520	2.007	ug/l #	42
59) 2-Hexanone	9.482	43	105433	46.385	ug/l #	53
74) N-amyl acetate	10.890	43	1324	0.340	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	67587	24.289	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	67587	79.176	ug/l #	5

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

Quant Time: Jul 11 01:31:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

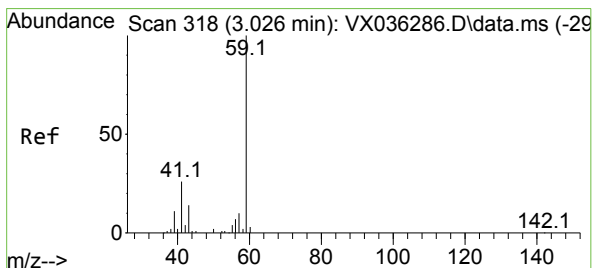
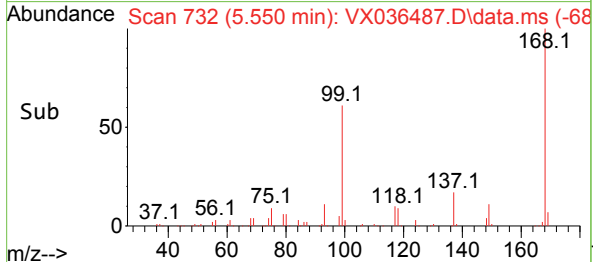
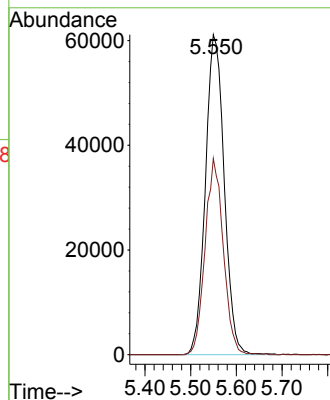
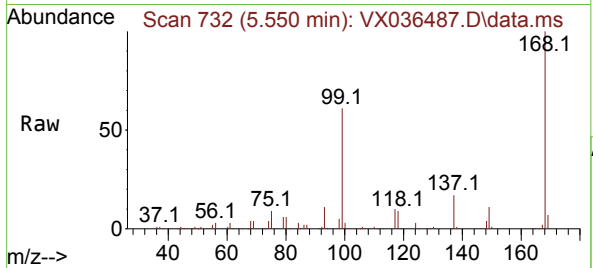




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

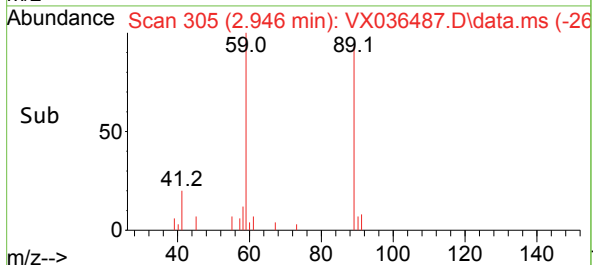
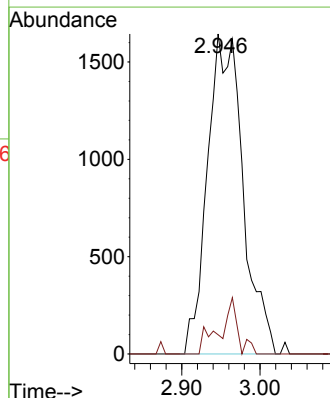
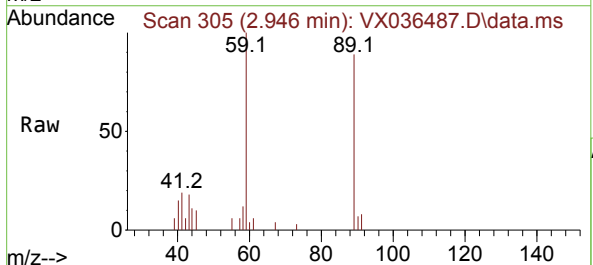
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#01

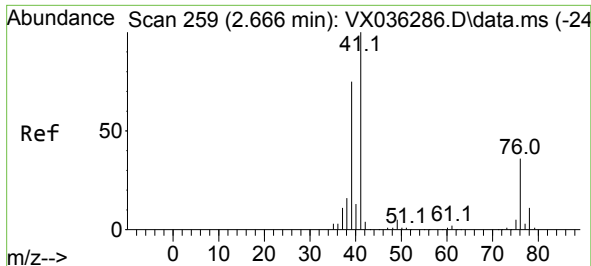
Tgt Ion:168 Resp: 174386
Ion Ratio Lower Upper
168 100
99 61.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 11.336 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.067 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

Tgt Ion: 59 Resp: 5158
Ion Ratio Lower Upper
59 100
57 5.4 6.0 9.0#

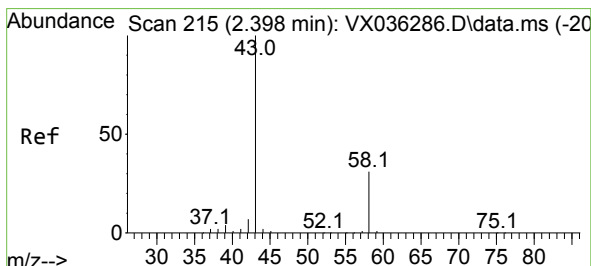
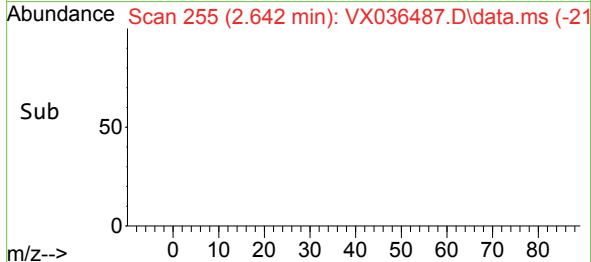
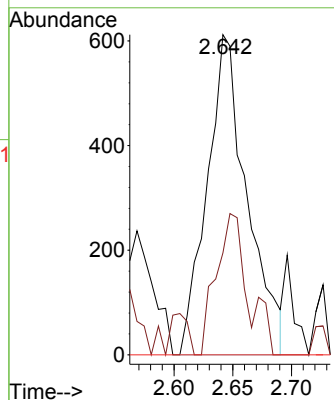
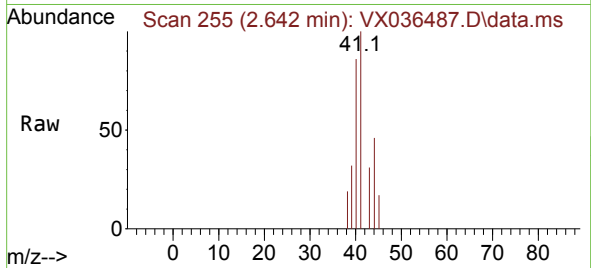




#14
 Allyl chloride
 Concen: 0.451 ug/l
 RT: 2.642 min Scan# 212
 Delta R.T. -0.024 min
 Lab File: VX036487.D
 Acq: 10 Jul 2023 16:55

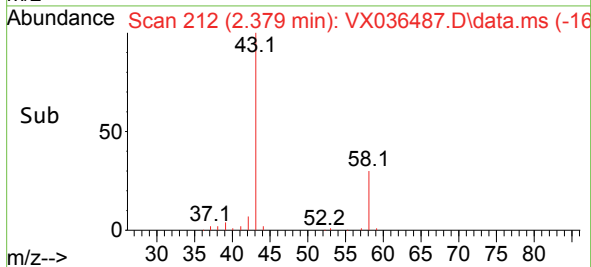
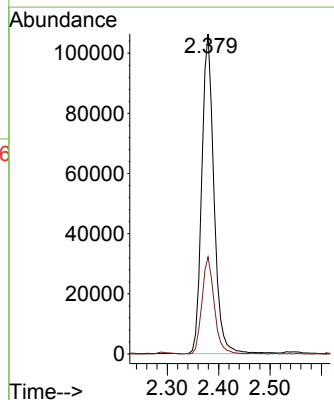
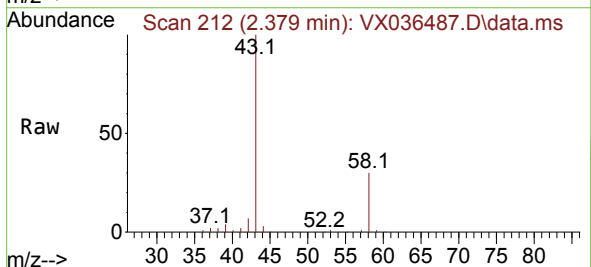
Instrument :
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 ClientSampleId :
 PB154051ZHE#01

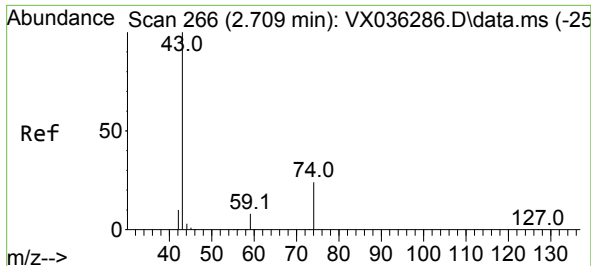
Tgt Ion: 41 Resp: 1451
 Ion Ratio Lower Upper
 41 100
 39 35.1 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 163.826 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.025 min
 Lab File: VX036487.D
 Acq: 10 Jul 2023 16:55

Tgt Ion: 43 Resp: 175039
 Ion Ratio Lower Upper
 43 100
 58 30.3 21.9 32.9

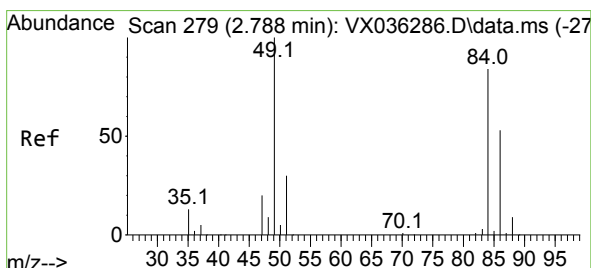
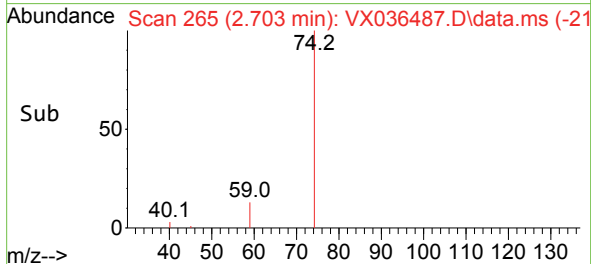
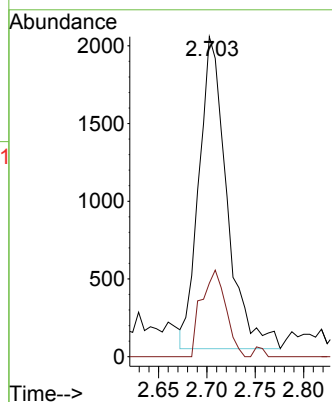
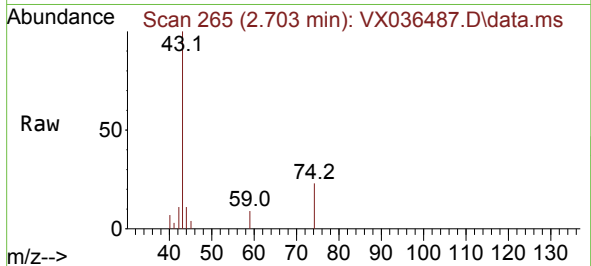




#18
Methyl Acetate
Concen: 0.920 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

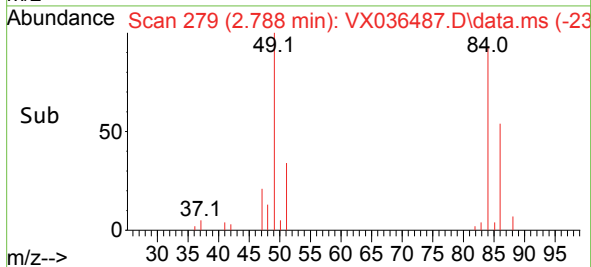
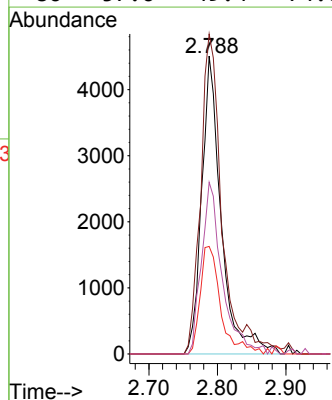
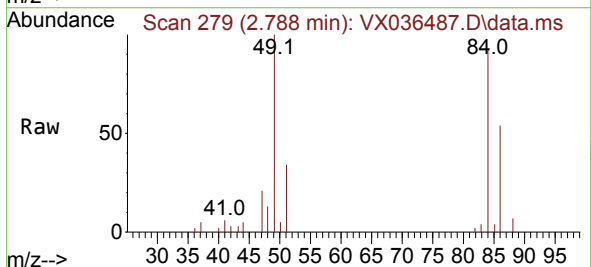
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#01

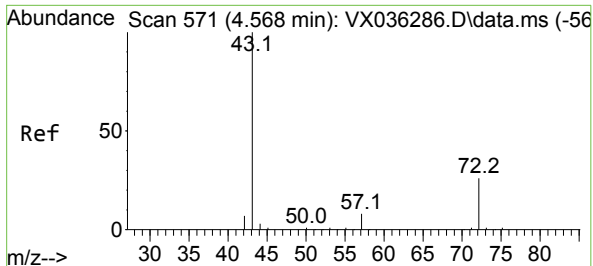
Tgt Ion: 43 Resp: 4042
Ion Ratio Lower Upper
43 100
74 24.1 17.8 26.8



#20
Methylene Chloride
Concen: 3.906 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

Tgt Ion: 84 Resp: 8986
Ion Ratio Lower Upper
84 100
49 107.4 103.6 155.4
51 36.1 33.8 50.6
86 57.6 49.4 74.0

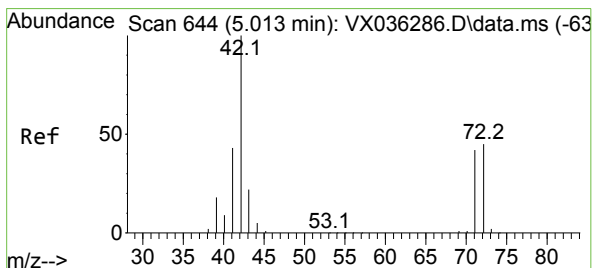
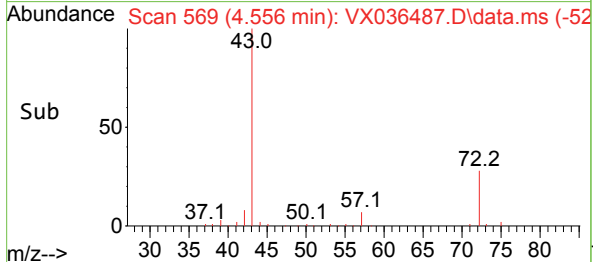
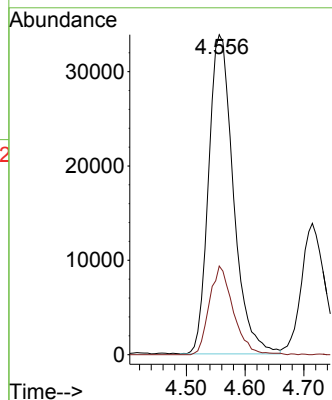
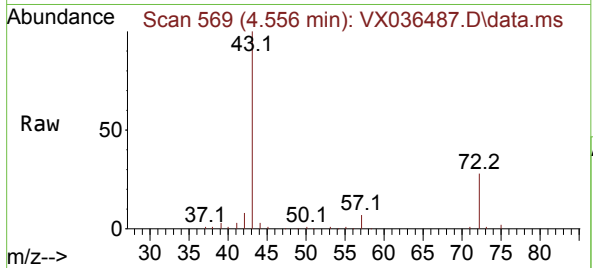




#25
2-Butanone
Concen: 64.553 ug/l
RT: 4.556 min Scan# 51
Delta R.T. -0.012 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

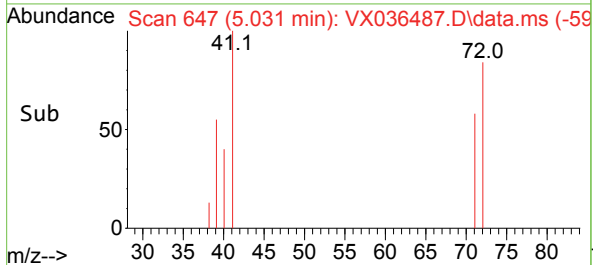
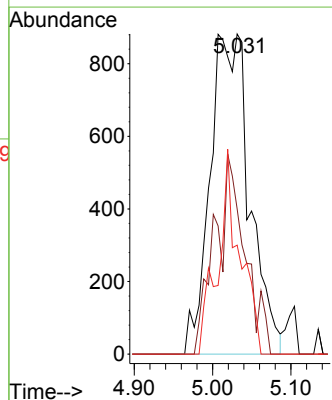
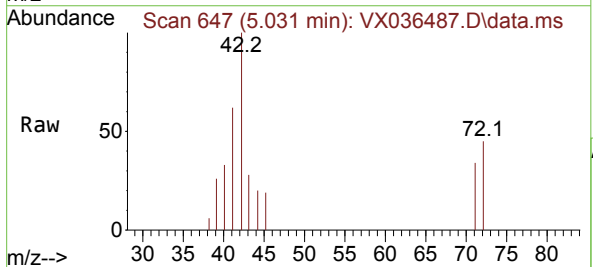
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#01

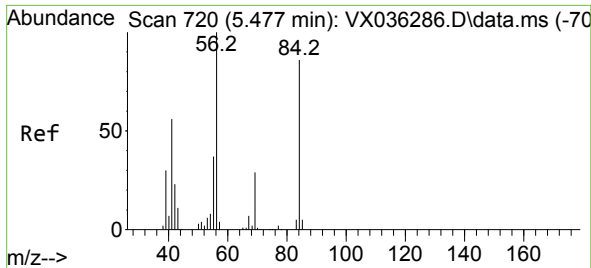
Tgt Ion: 43 Resp: 99098
Ion Ratio Lower Upper
43 100
72 27.8 19.4 29.2



#29
Tetrahydrofuran
Concen: 3.181 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.012 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

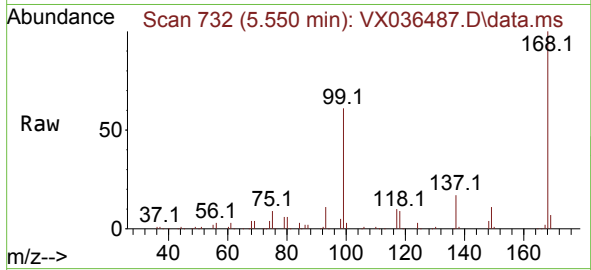
Tgt Ion: 42 Resp: 3109
Ion Ratio Lower Upper
42 100
72 47.4 34.2 51.4
71 35.2 32.2 48.2



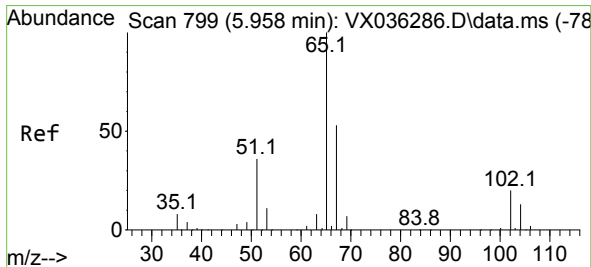
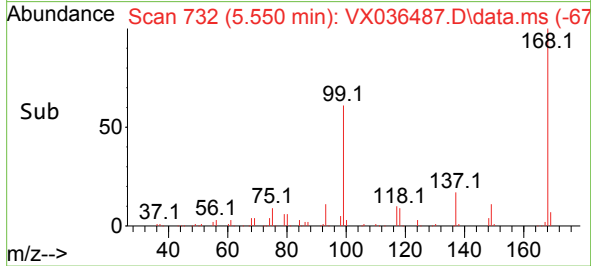
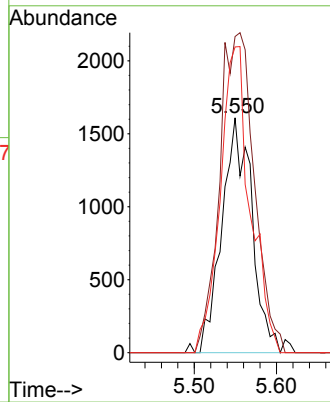


#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.550 min Scan# 712
Delta R.T. 0.080 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#01

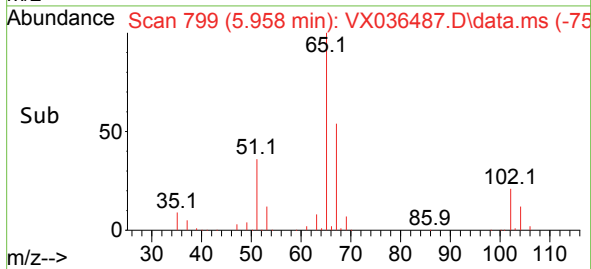
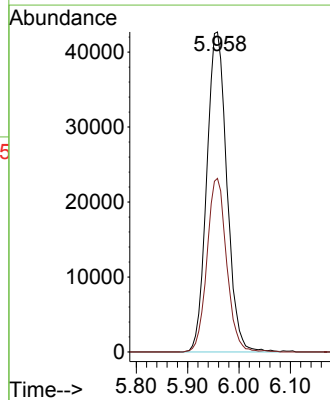
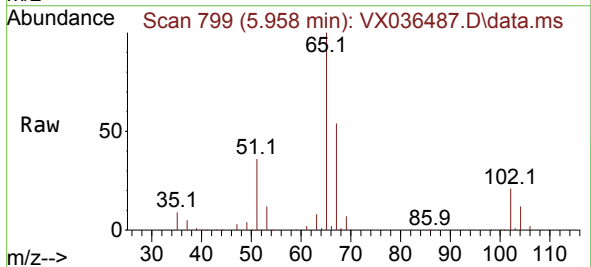


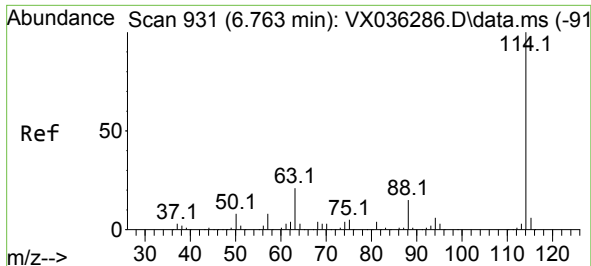
Tgt Ion: 56 Resp: 4091
Ion Ratio Lower Upper
56 100
69 134.6 23.4 35.2#
84 130.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.481 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

Tgt Ion: 65 Resp: 116188
Ion Ratio Lower Upper
65 100
67 52.8 0.0 100.2

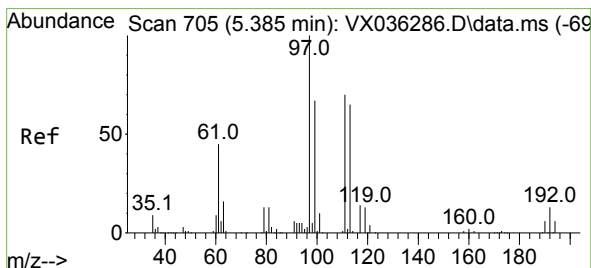
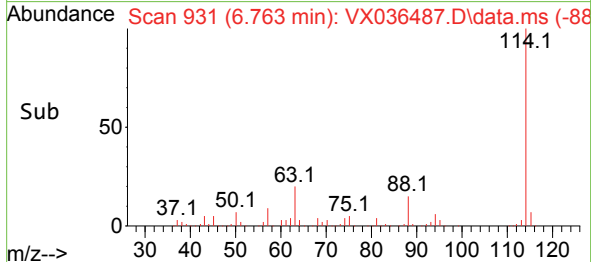
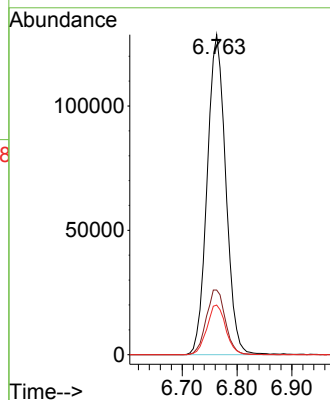
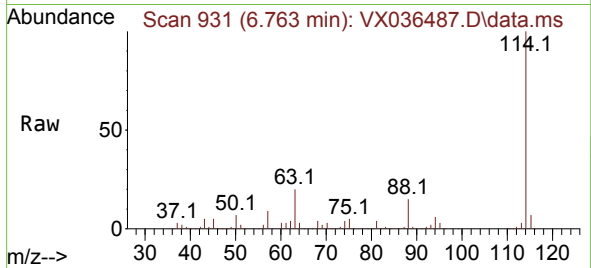




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

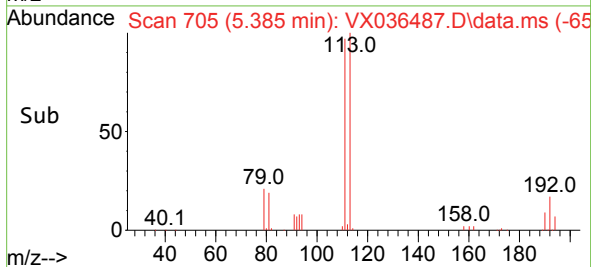
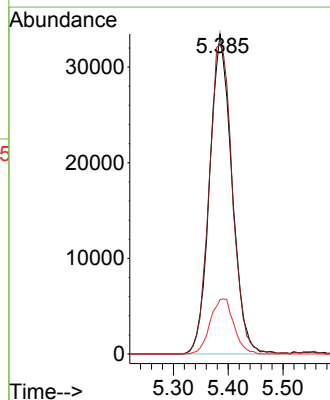
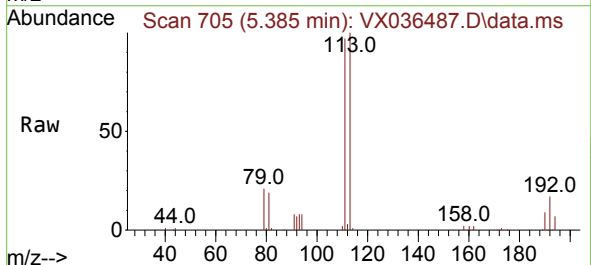
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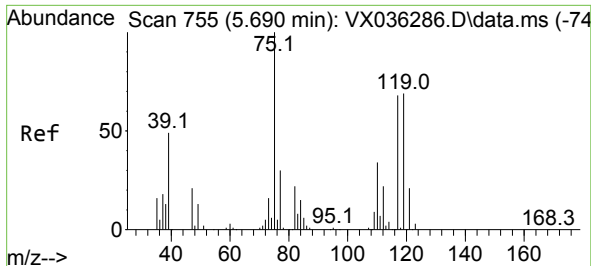
Tgt Ion:114 Resp: 302317
Ion Ratio Lower Upper
114 100
63 20.2 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.320 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

Tgt Ion:113 Resp: 94327
Ion Ratio Lower Upper
113 100
111 101.4 82.9 124.3
192 18.3 13.3 19.9

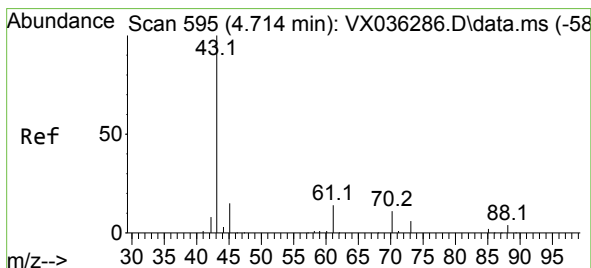
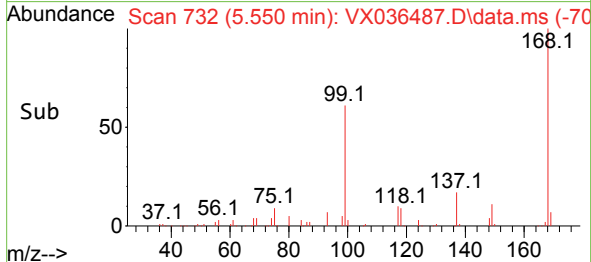
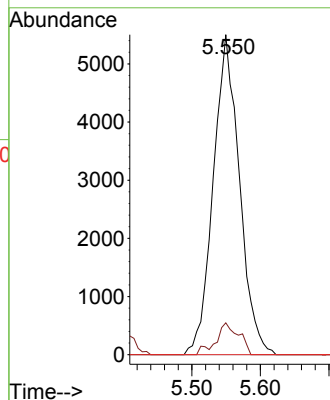
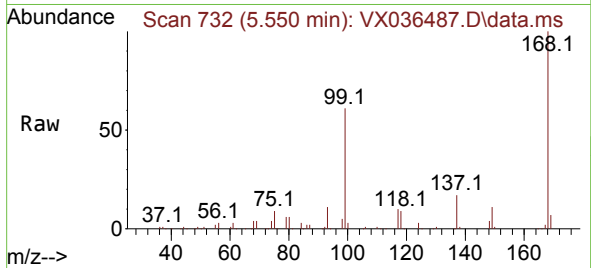




#36
1,1-Dichloropropene
Concen: 4.907 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

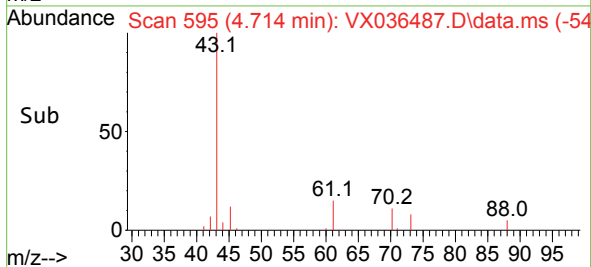
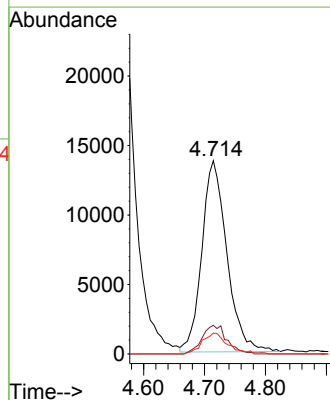
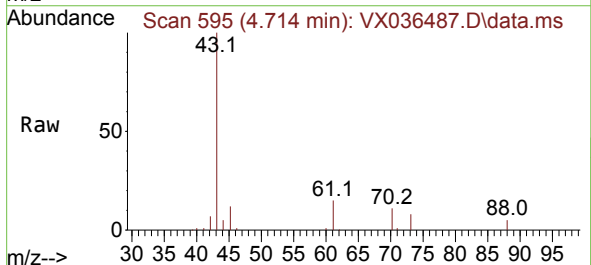
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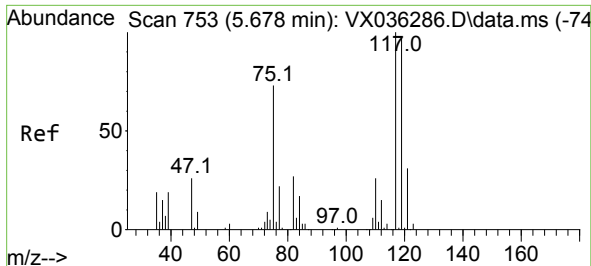
Tgt Ion: 75 Resp: 14581
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 13.012 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

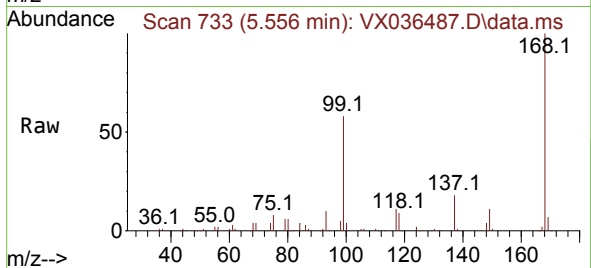
Tgt Ion: 43 Resp: 39407
Ion Ratio Lower Upper
43 100
61 15.1 10.6 16.0
70 10.9 8.3 12.5



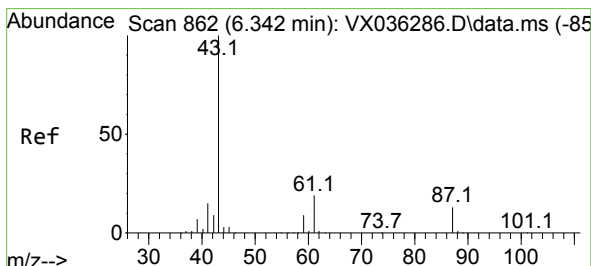
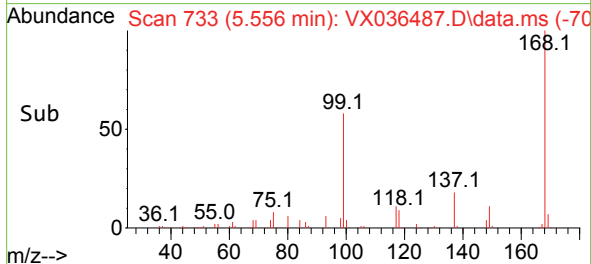
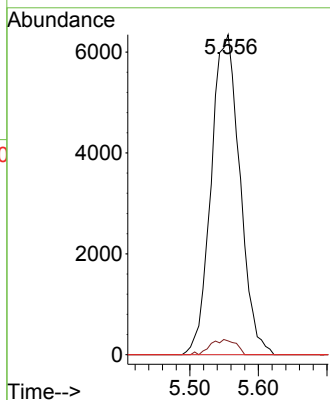


#38
Carbon Tetrachloride
Concen: 6.786 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.122 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#01

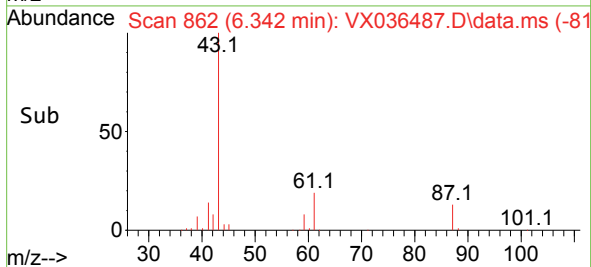
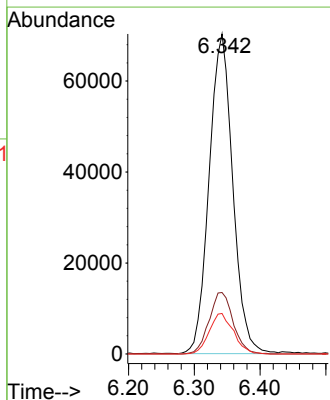
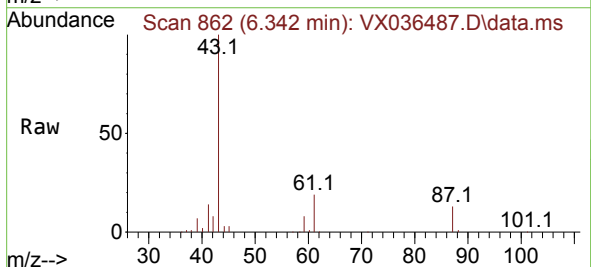


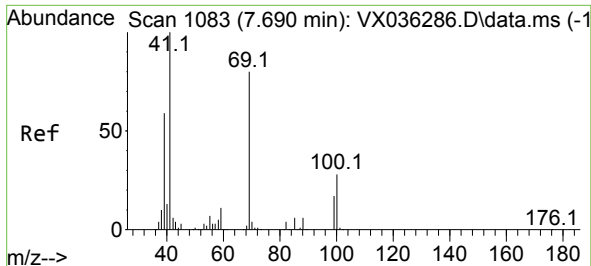
Tgt Ion:117 Resp: 18417
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 36.394 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

Tgt Ion: 43 Resp: 175829
Ion Ratio Lower Upper
43 100
61 19.5 15.2 22.8
87 13.0 9.8 14.6

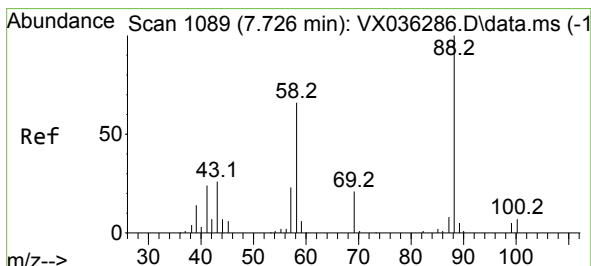
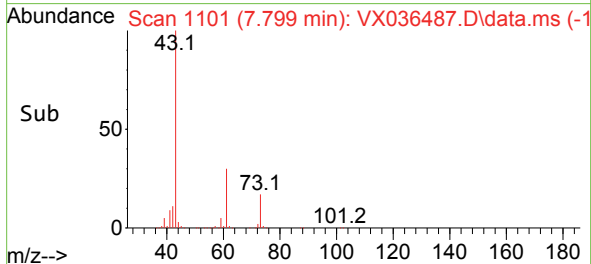
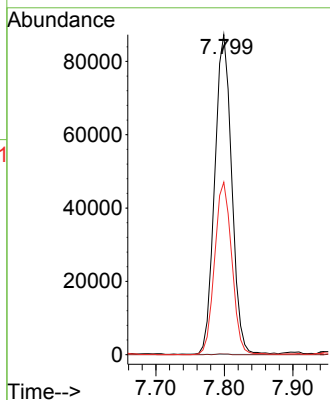
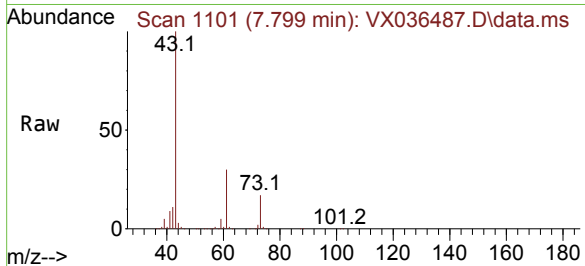




#48
Methyl methacrylate
Concen: 62.267 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

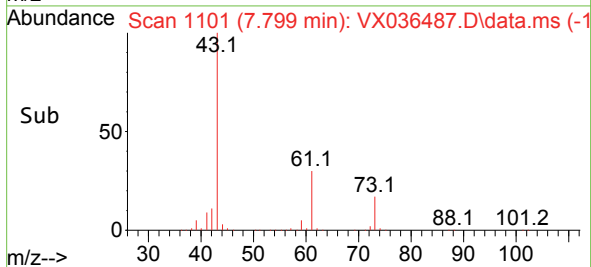
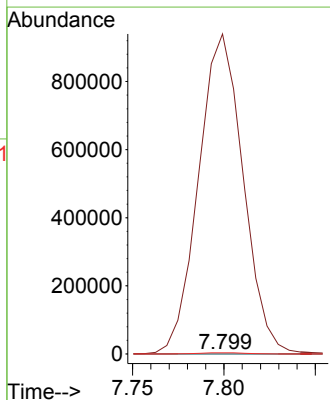
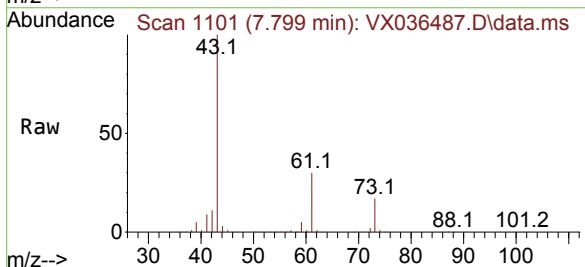
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#01

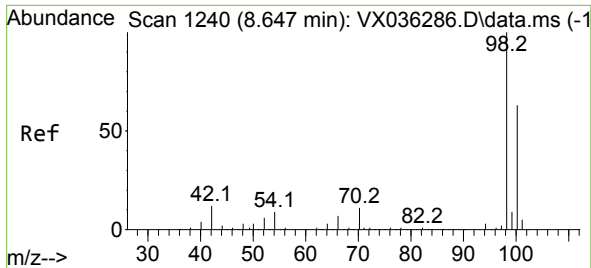
Tgt Ion: 41 Resp: 149995
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.5 47.7 71.5



#49
1,4-Dioxane
Concen: 5.037 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.067 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

Tgt Ion: 88 Resp: 269
Ion Ratio Lower Upper
88 100
43 595992.2 0.0 0.0#
58 2393.7 60.1 90.1#

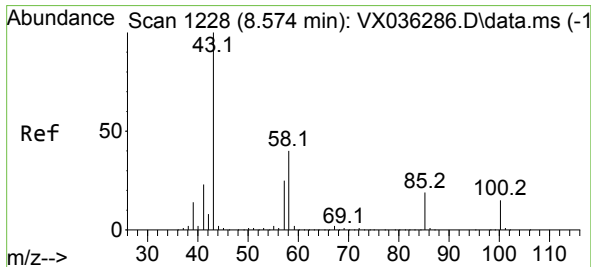
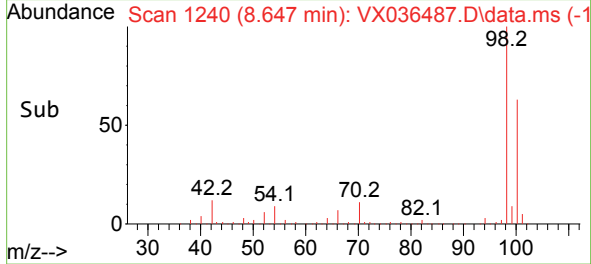
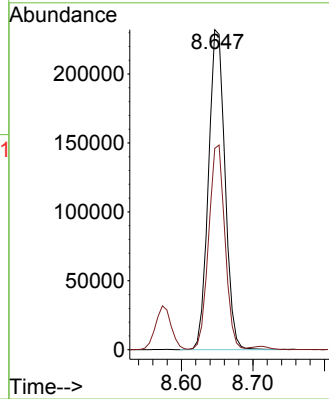
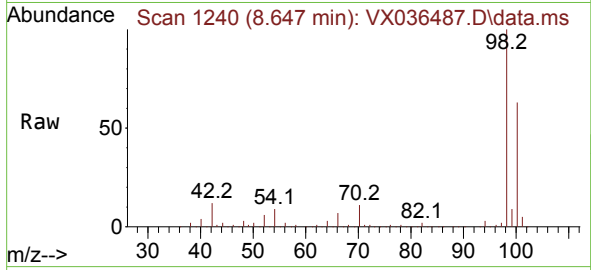




#50
Toluene-d8
Concen: 50.101 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

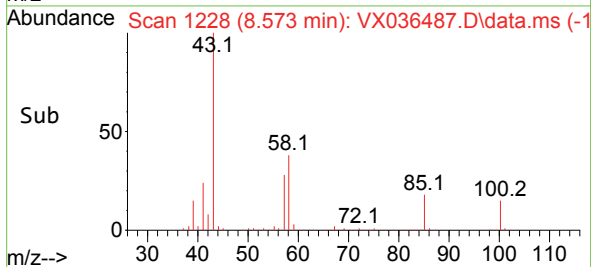
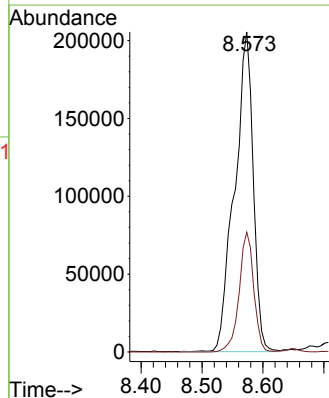
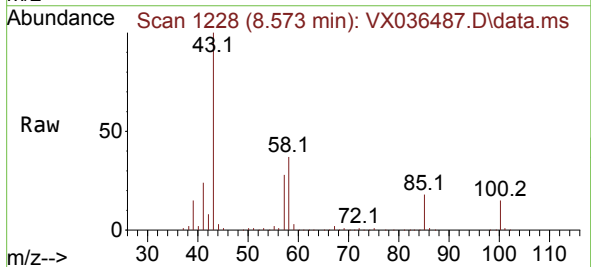
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#01

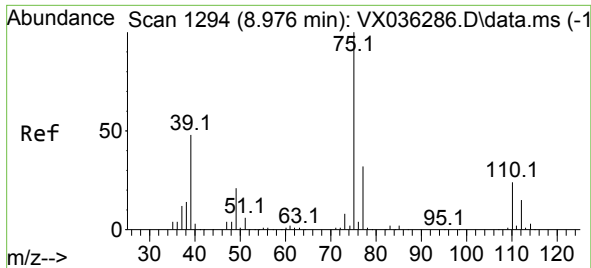
Tgt Ion: 98 Resp: 373019
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 140.046 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

Tgt Ion: 43 Resp: 435912
Ion Ratio Lower Upper
43 100
58 29.5 30.4 45.6#

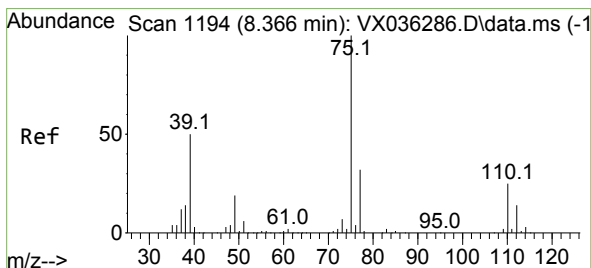
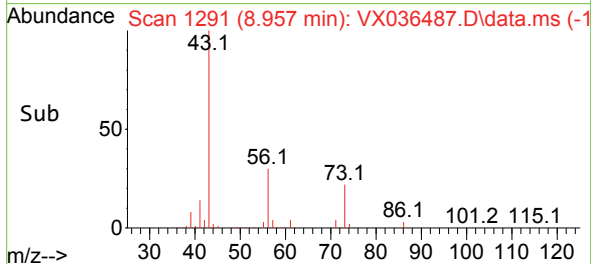
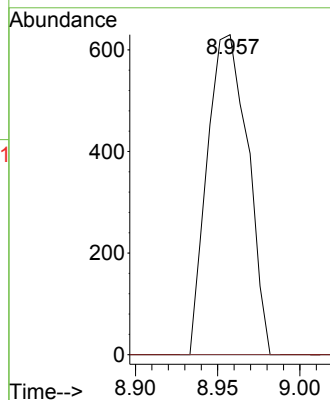
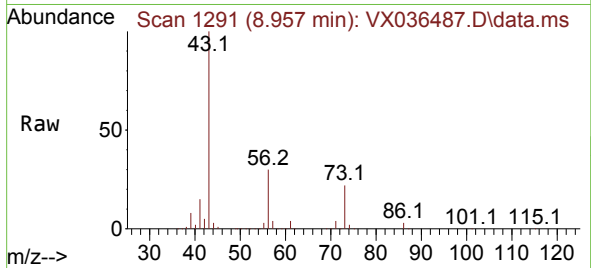




#53
 t-1,3-Dichloropropene
 Concen: 0.370 ug/l
 RT: 8.957 min Scan# 11
 Delta R.T. -0.019 min
 Lab File: VX036487.D
 Acq: 10 Jul 2023 16:55

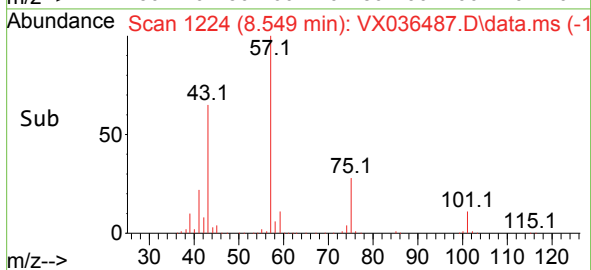
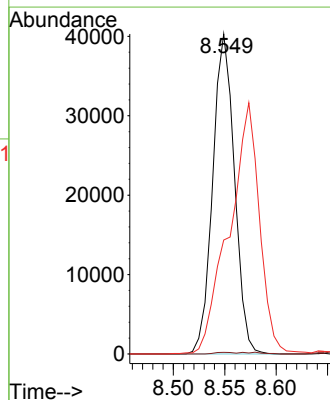
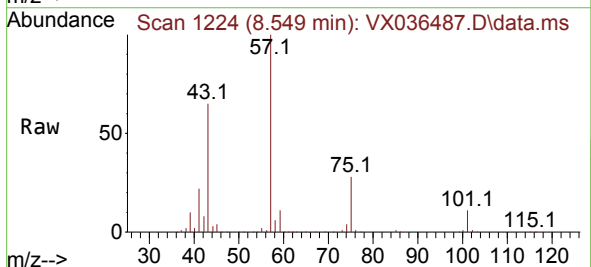
Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#01

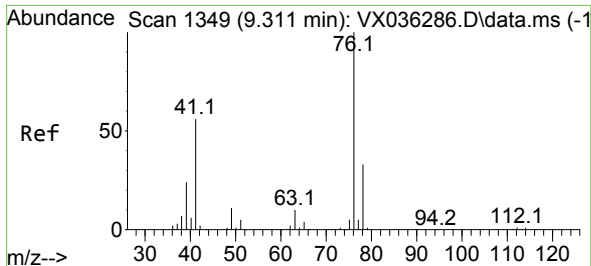
Tgt Ion: 75 Resp: 1077
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 18.008 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036487.D
 Acq: 10 Jul 2023 16:55

Tgt Ion: 75 Resp: 59176
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 35.4 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.007 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036487.D

Acq: 10 Jul 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

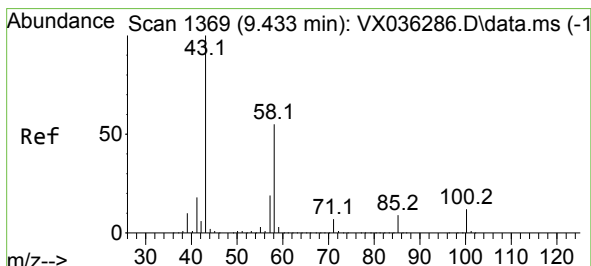
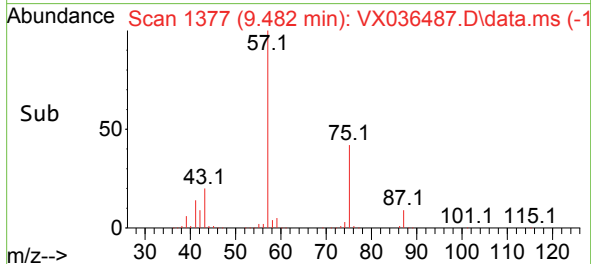
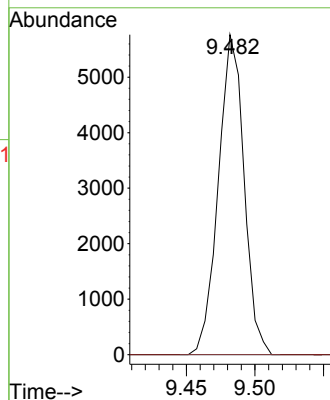
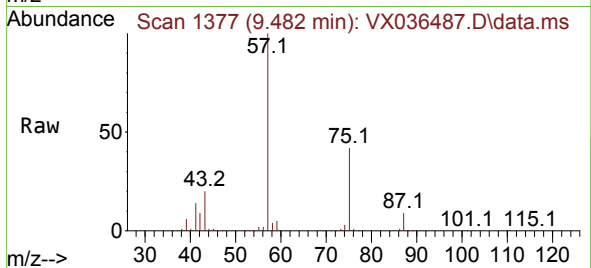
PB154051ZHE#01

Tgt Ion: 76 Resp: 7520

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 46.385 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036487.D

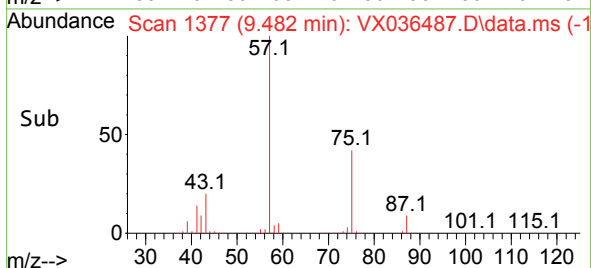
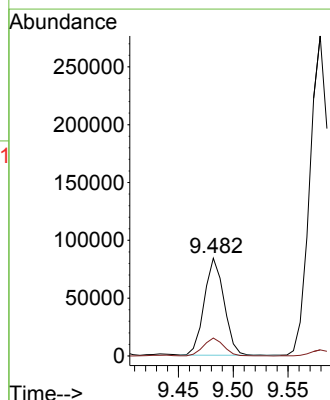
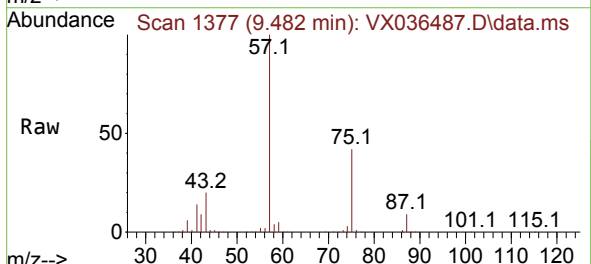
Acq: 10 Jul 2023 16:55

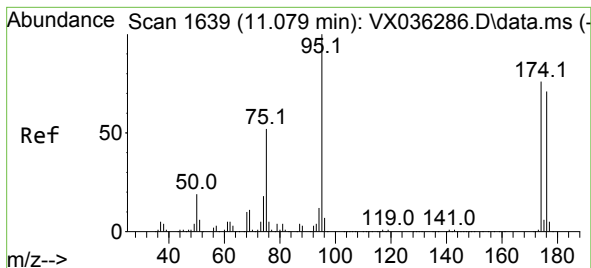
Tgt Ion: 43 Resp: 105433

Ion Ratio Lower Upper

43 100

58 19.1 26.2 78.5#

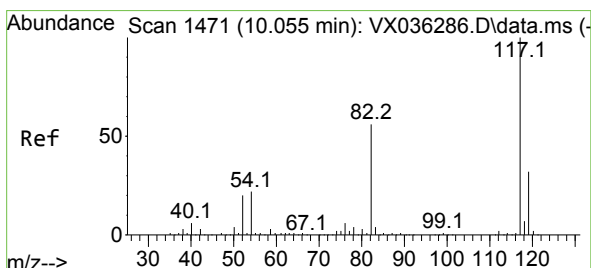
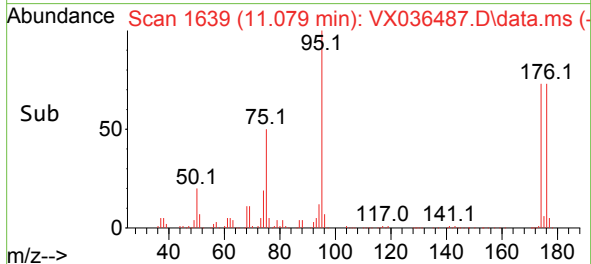
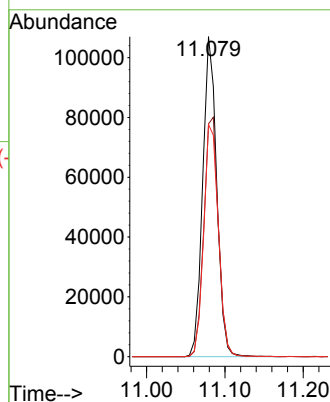
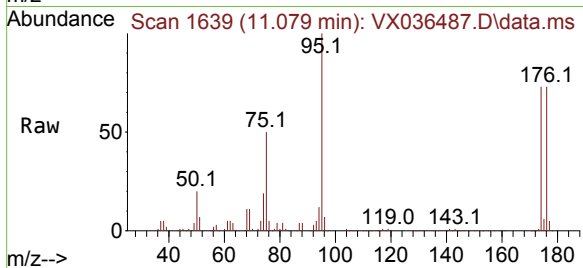




#62
4-Bromofluorobenzene
Concen: 50.544 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

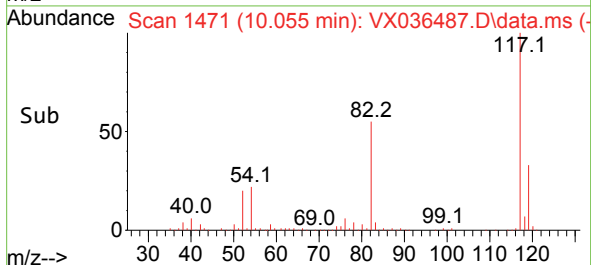
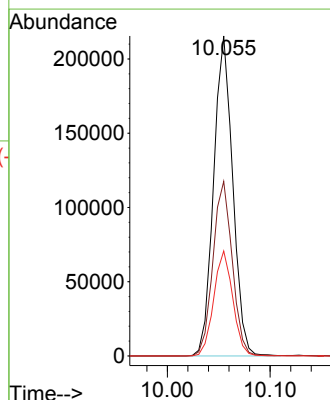
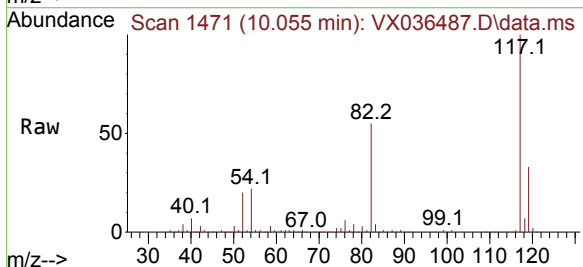
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#01

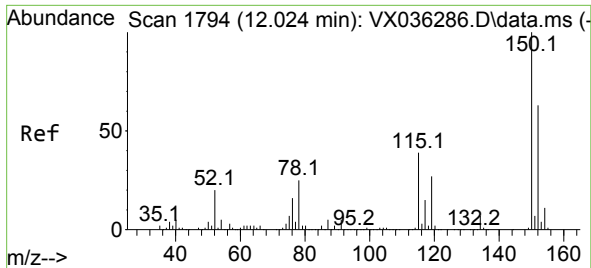
Tgt Ion: 95 Resp: 132552
Ion Ratio Lower Upper
95 100
174 78.4 0.0 135.6
176 76.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

Tgt Ion: 117 Resp: 278453
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 32.8 25.5 38.3

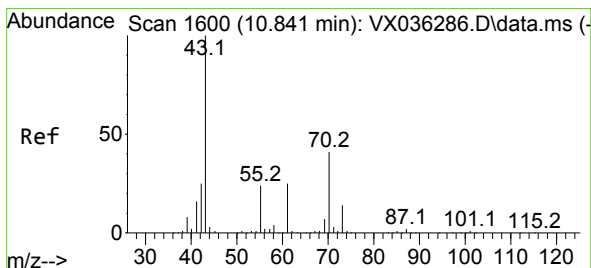
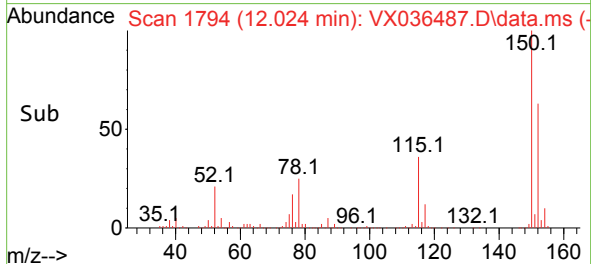
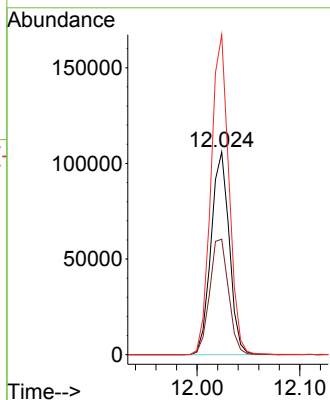
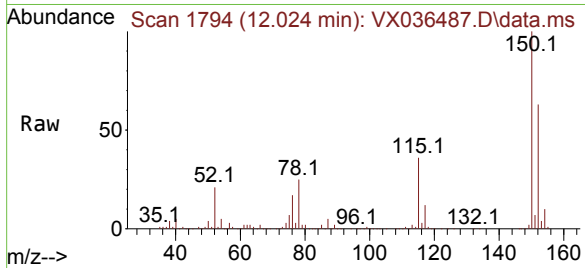




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

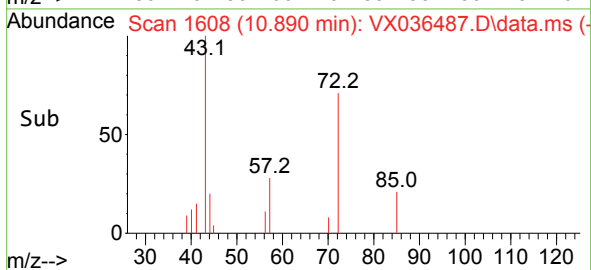
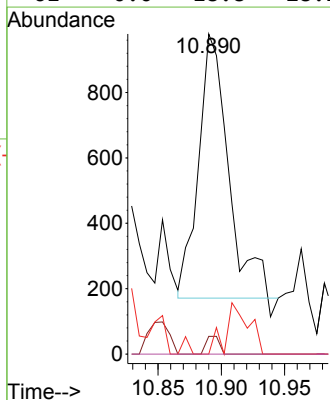
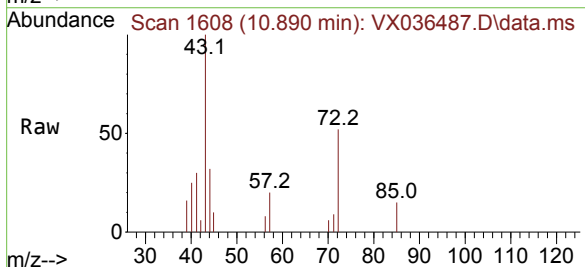
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#01

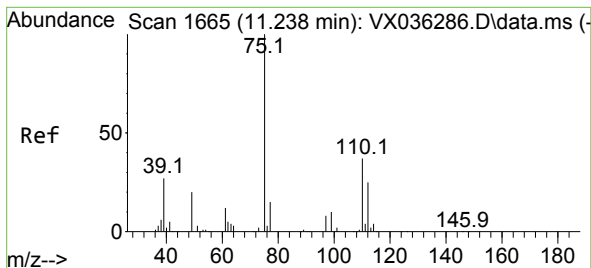
Tgt Ion:152 Resp: 130453
Ion Ratio Lower Upper
152 100
115 59.3 43.3 129.9
150 155.4 0.0 345.0



#74
N-ethyl acetate
Concen: 0.340 ug/l
RT: 10.890 min Scan# 1608
Delta R.T. 0.049 min
Lab File: VX036487.D
Acq: 10 Jul 2023 16:55

Tgt Ion: 43 Resp: 1324
Ion Ratio Lower Upper
43 100
70 3.0 32.9 49.3#
55 15.0 19.3 28.9#
61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 24.289 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036487.D

Acq: 10 Jul 2023 16:55

Instrument :

MSVOA_X

ClientSampleId :

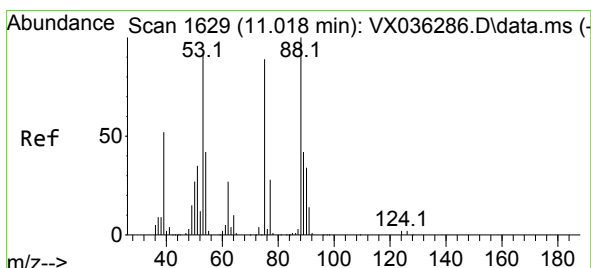
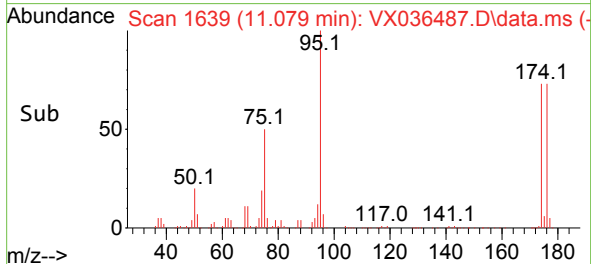
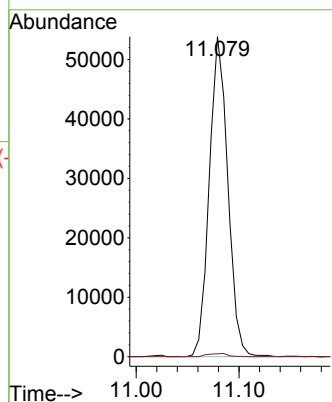
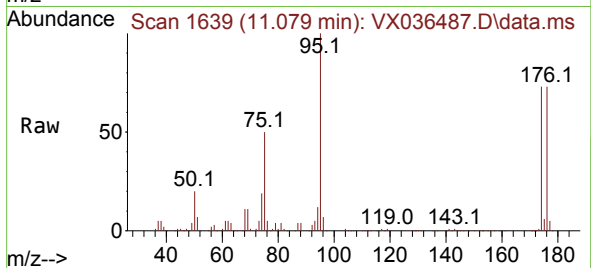
PB154051ZHE#01

Tgt Ion: 75 Resp: 67587

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.176 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036487.D

Acq: 10 Jul 2023 16:55

Tgt Ion: 75 Resp: 67587

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

