

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071023\
 Data File : VX036486.D
 Acq On : 10 Jul 2023 16:31
 Operator : JC/MD
 Sample : PB154051ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#08

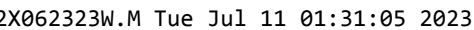
Quant Time: Jul 11 01:30:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

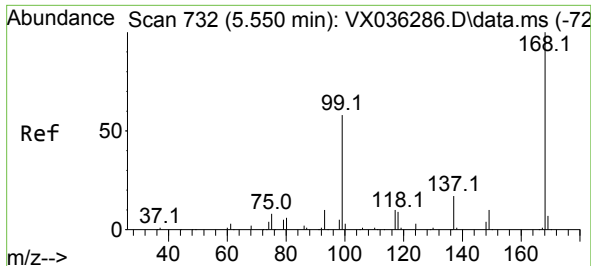
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	167801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	289530	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	113731	47.283	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.560%
35) Dibromofluoromethane	5.385	113	90809	47.567	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.140%
50) Toluene-d8	8.647	98	359756	50.454	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.900%
62) 4-Bromofluorobenzene	11.079	95	128228	51.055	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.100%
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	84547	82.236	ug/l	93
18) Methyl Acetate	2.703	43	3297	0.780	ug/l #	90
20) Methylene Chloride	2.794	84	7352	3.321	ug/l	87
25) 2-Butanone	4.556	43	58504	39.605	ug/l	93
29) Tetrahydrofuran	5.025	42	1268	1.348	ug/l #	81
31) Cyclohexane	5.556	56	3860	1.252	ug/l #	22
36) 1,1-Dichloropropene	5.544	75	13450	4.726	ug/l #	52
37) Ethyl Acetate	4.715	43	16165	5.573	ug/l	98
38) Carbon Tetrachloride	5.556	117	17136	6.593	ug/l #	14
43) Isopropyl Acetate	6.342	43	150379	32.501	ug/l	97
48) Methyl methacrylate	7.799	41	133391	57.820	ug/l #	49
49) 1,4-Dioxane	7.787	88	116	2.268	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	290642	97.499	ug/l #	81
53) t-1,3-Dichloropropene	8.958	75	808	0.290	ug/l #	58
54) cis-1,3-Dichloropropene	8.549	75	53829	17.104	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	6910	1.926	ug/l #	43
59) 2-Hexanone	9.482	43	93797	43.088	ug/l #	53
74) N-amyl acetate	10.817	43	1256	0.340	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	66995	25.324	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	66995	82.551	ug/l #	5

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

Quant Time: Jul 11 01:30:56 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

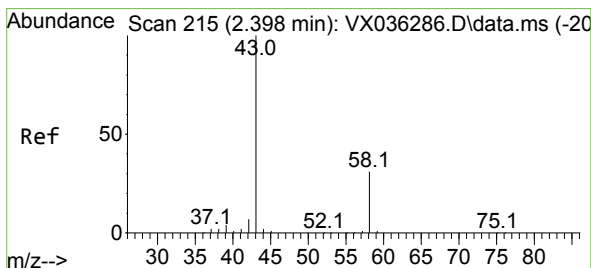
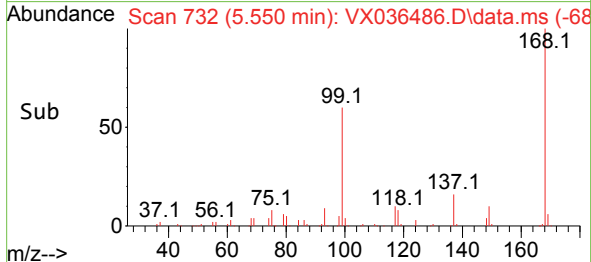
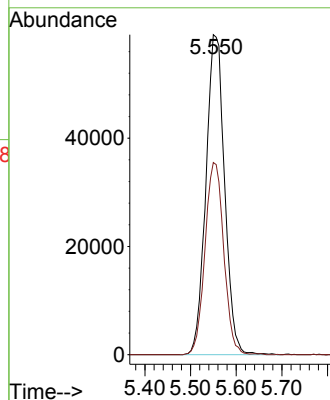
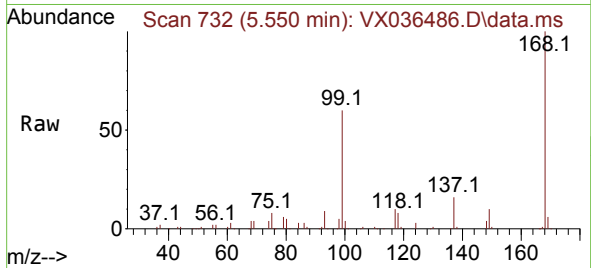




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

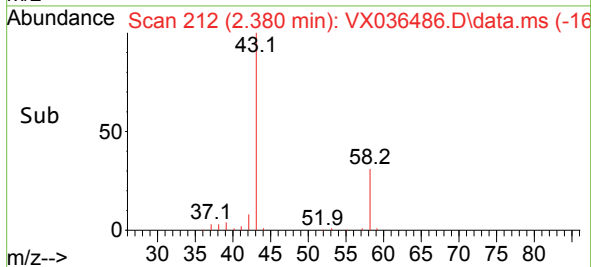
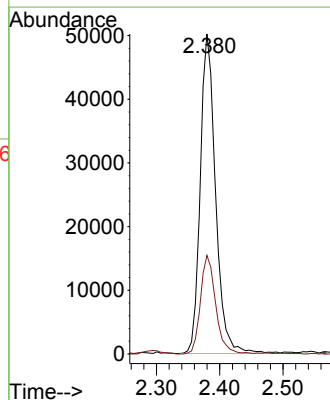
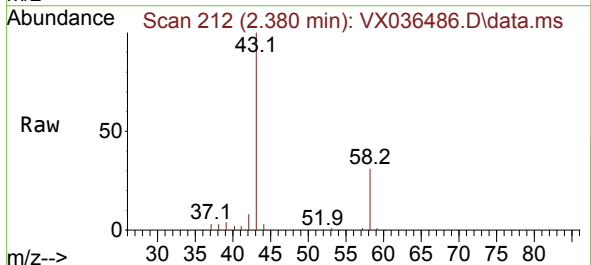
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#08

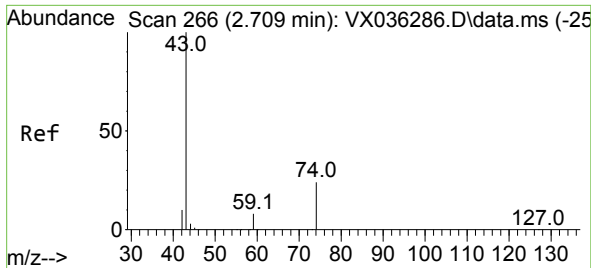
Tgt Ion:168 Resp: 167801
Ion Ratio Lower Upper
168 100
99 60.1 56.6 85.0



#16
Acetone
Concen: 82.236 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.024 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

Tgt Ion: 43 Resp: 84547
Ion Ratio Lower Upper
43 100
58 30.9 21.9 32.9

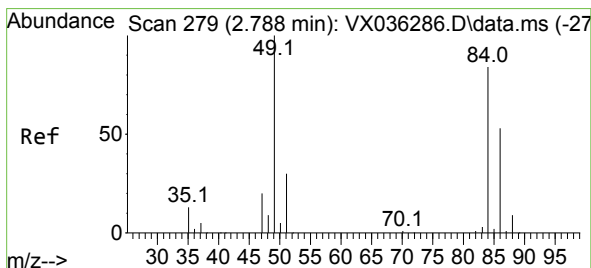
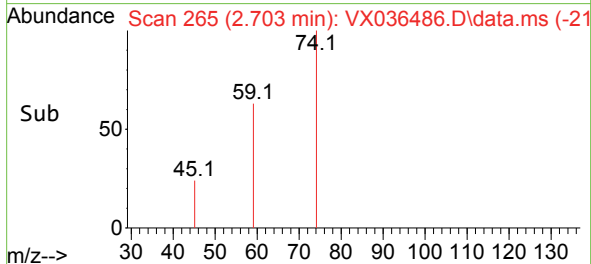
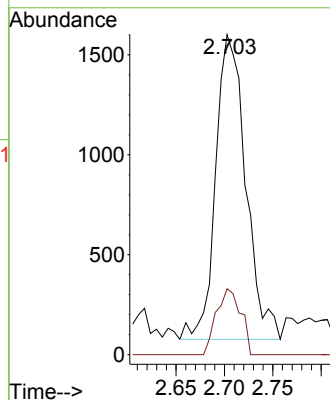
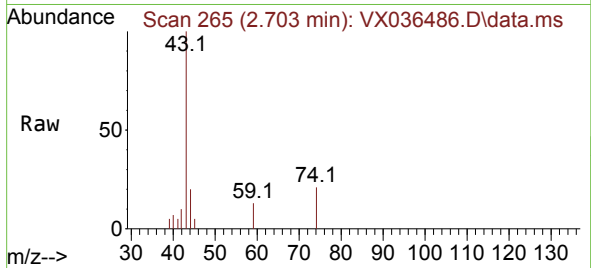




#18
Methyl Acetate
Concen: 0.780 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

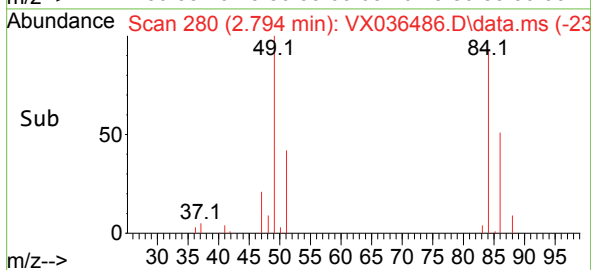
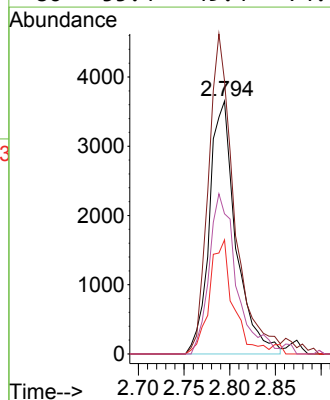
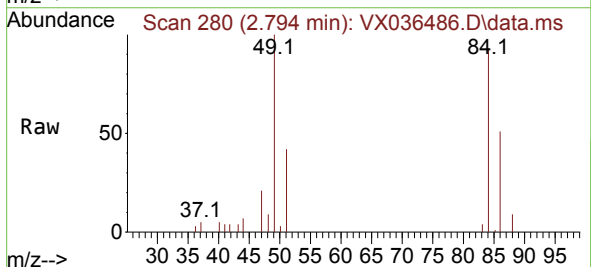
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#08

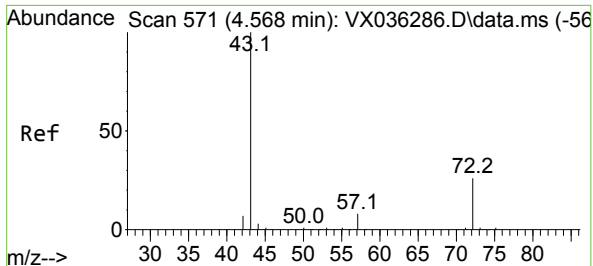
Tgt Ion: 43 Resp: 3297
Ion Ratio Lower Upper
43 100
74 17.5 17.8 26.8#



#20
Methylene Chloride
Concen: 3.321 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

Tgt Ion: 84 Resp: 7352
Ion Ratio Lower Upper
84 100
49 108.1 103.6 155.4
51 45.1 33.8 50.6
86 55.4 49.4 74.0





#25

2-Butanone

Concen: 39.605 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.012 min

Lab File: VX036486.D

Acq: 10 Jul 2023 16:31

Instrument :

MSVOA_X

ClientSampleId :

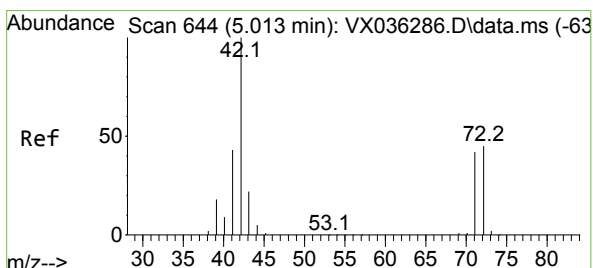
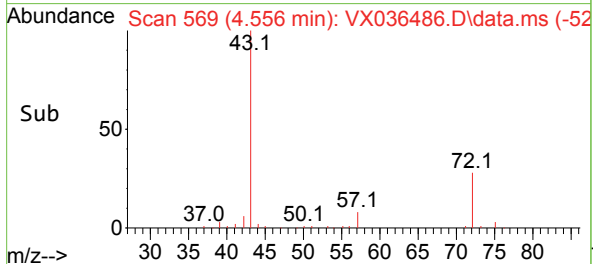
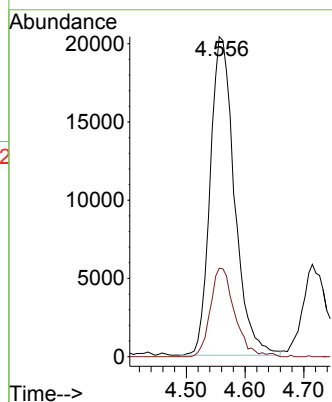
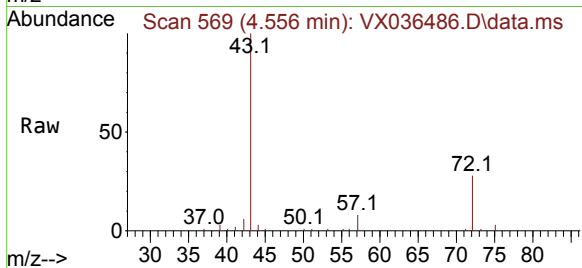
PB154051ZHE#08

Tgt Ion: 43 Resp: 58504

Ion Ratio Lower Upper

43 100

72 27.8 19.4 29.2



#29

Tetrahydrofuran

Concen: 1.348 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.006 min

Lab File: VX036486.D

Acq: 10 Jul 2023 16:31

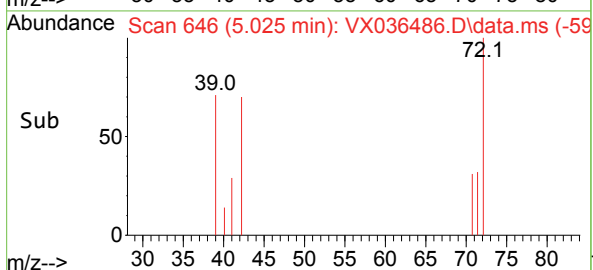
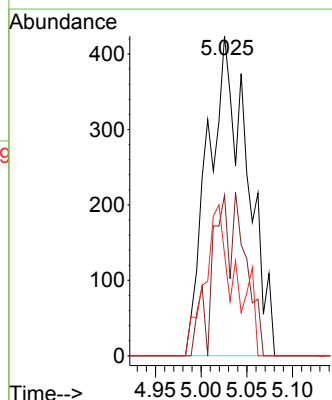
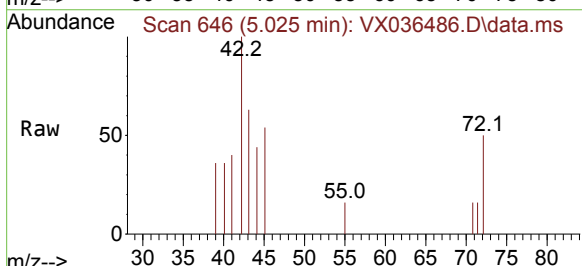
Tgt Ion: 42 Resp: 1268

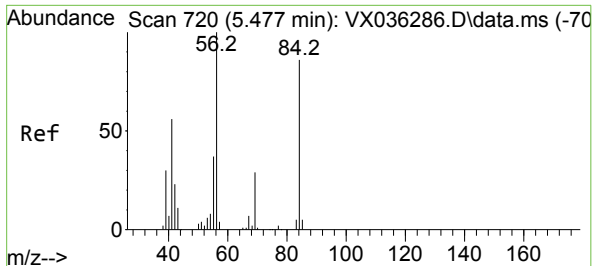
Ion Ratio Lower Upper

42 100

72 23.3 34.2 51.4#

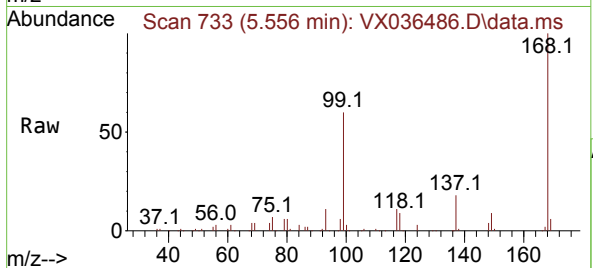
71 36.6 32.2 48.2



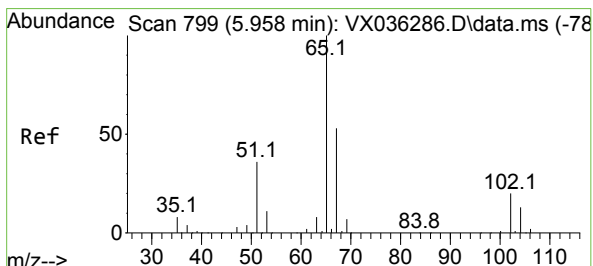
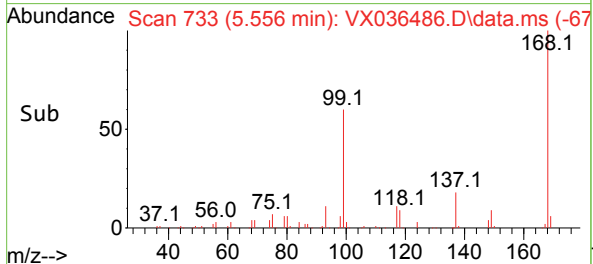
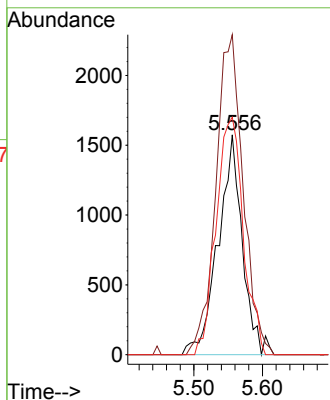


#31
Cyclohexane
Concen: 1.252 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.086 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#08

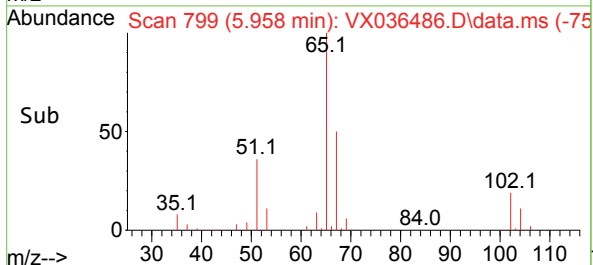
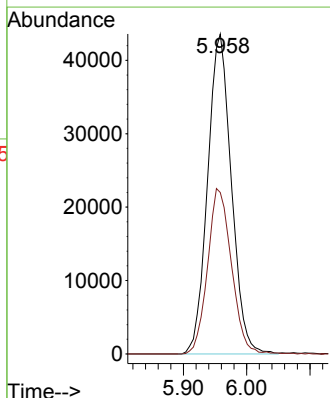
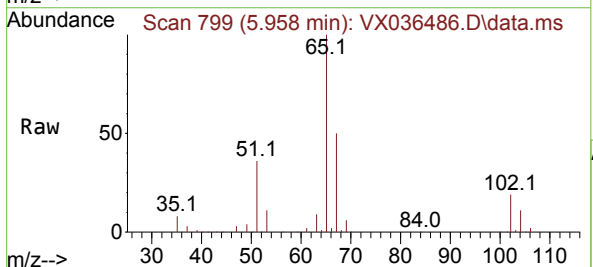


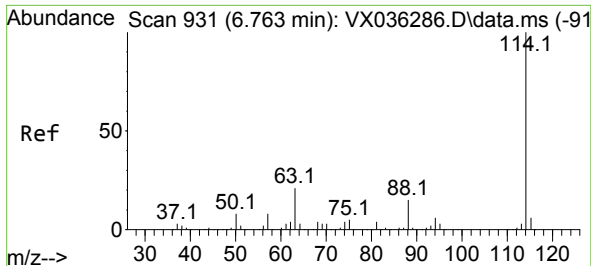
Tgt Ion: 56 Resp: 3860
Ion Ratio Lower Upper
56 100
69 145.6 23.4 35.2#
84 108.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.283 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

Tgt Ion: 65 Resp: 113731
Ion Ratio Lower Upper
65 100
67 52.0 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: VX036486.D

Acq: 10 Jul 2023 16:31

Instrument :

MSVOA_X

ClientSampleId :

PB154051ZHE#08

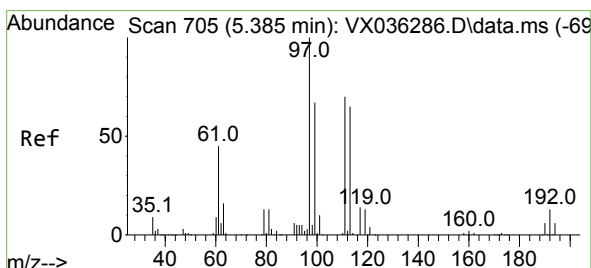
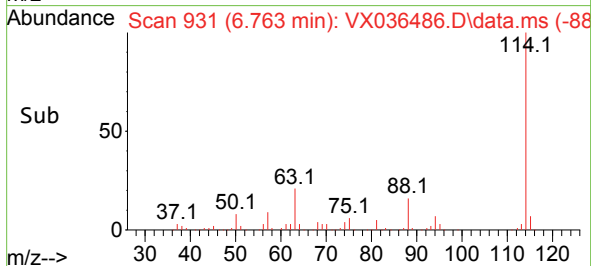
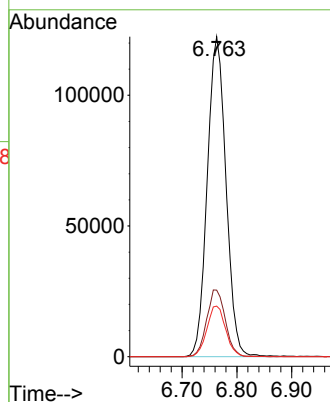
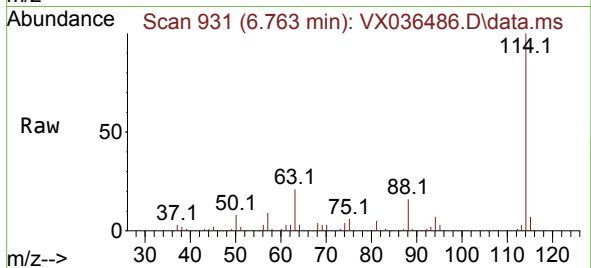
Tgt Ion:114 Resp: 289530

Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.0

88 15.8 0.0 36.6



#35

Dibromofluoromethane

Concen: 47.567 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036486.D

Acq: 10 Jul 2023 16:31

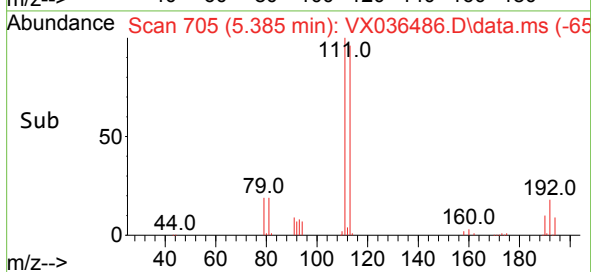
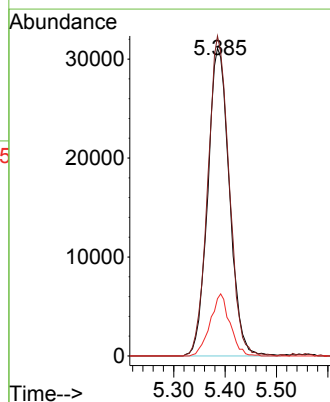
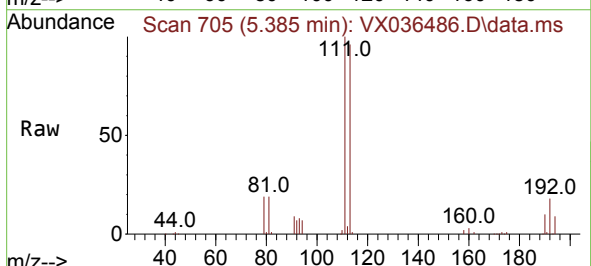
Tgt Ion:113 Resp: 90809

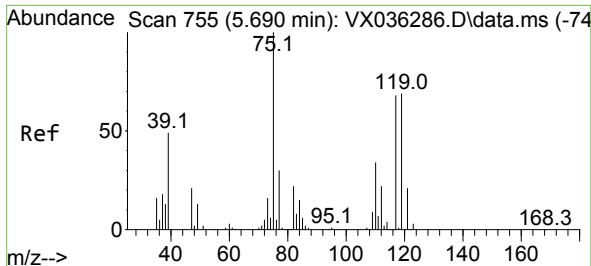
Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

192 18.5 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.726 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX036486.D

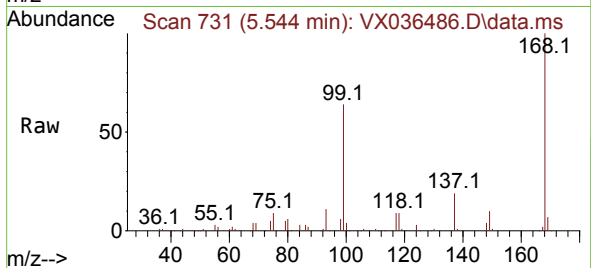
Acq: 10 Jul 2023 16:31

Instrument :

MSVOA_X

ClientSampleId :

PB154051ZHE#08



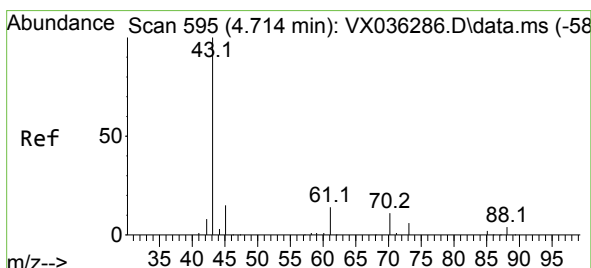
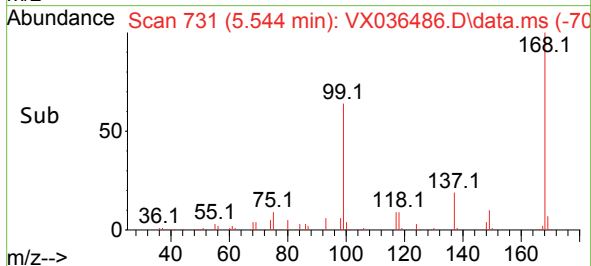
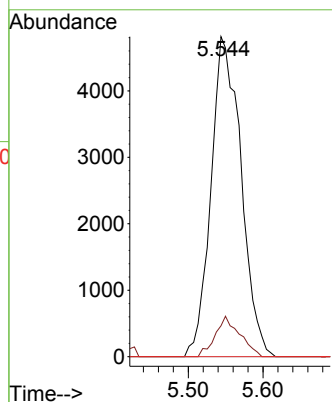
Tgt Ion: 75 Resp: 13450

Ion Ratio Lower Upper

75 100

110 10.3 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 5.573 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.001 min

Lab File: VX036486.D

Acq: 10 Jul 2023 16:31

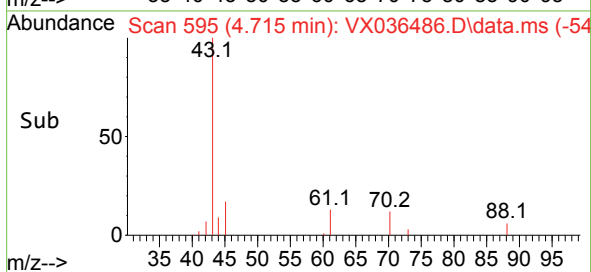
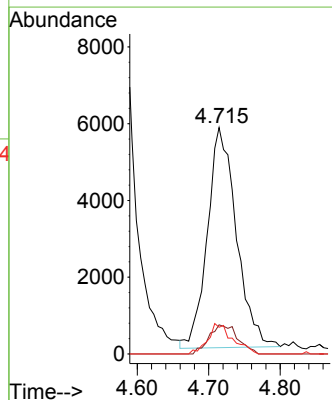
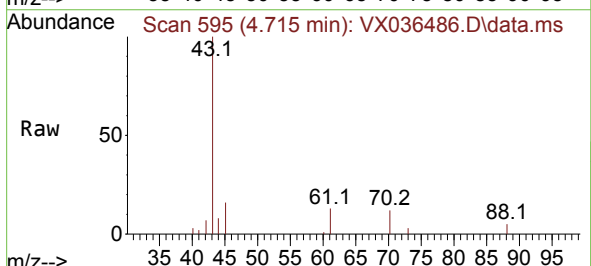
Tgt Ion: 43 Resp: 16165

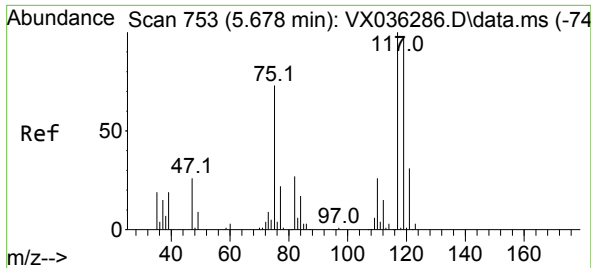
Ion Ratio Lower Upper

43 100

61 13.1 10.6 16.0

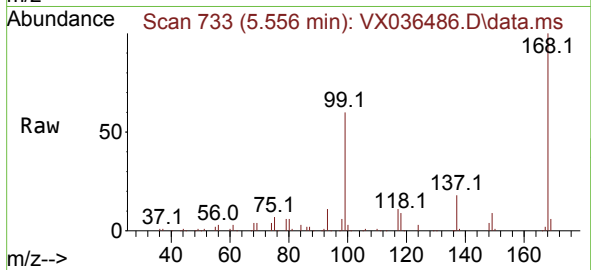
70 11.7 8.3 12.5



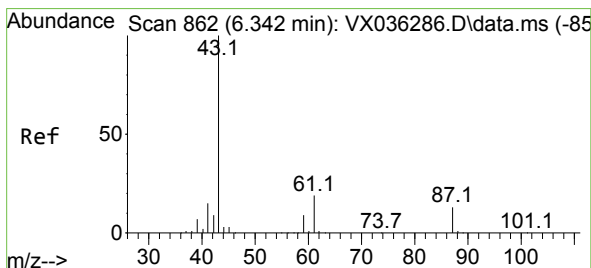
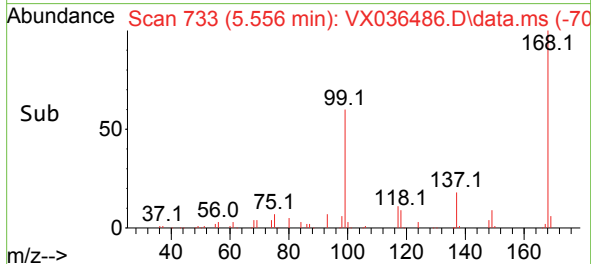
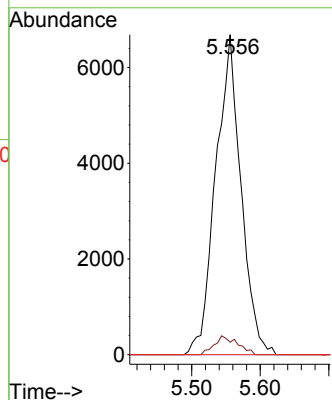


#38
Carbon Tetrachloride
Concen: 6.593 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.122 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#08

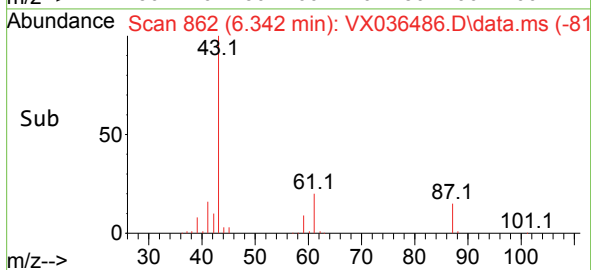
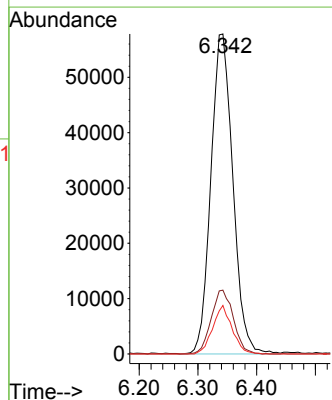
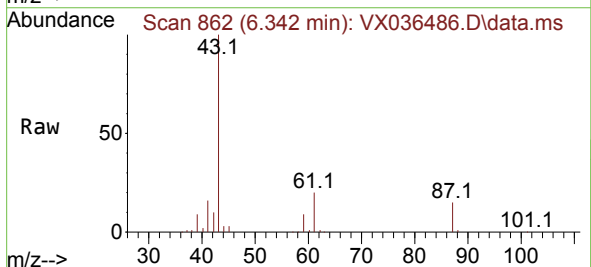


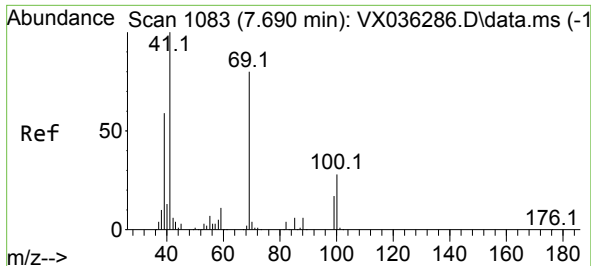
Tgt Ion:117 Resp: 17136
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 32.501 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

Tgt Ion: 43 Resp: 150379
Ion Ratio Lower Upper
43 100
61 20.0 15.2 22.8
87 13.4 9.8 14.6

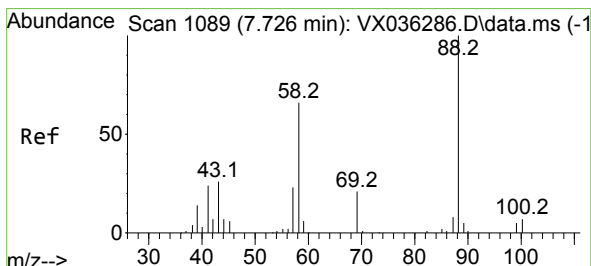
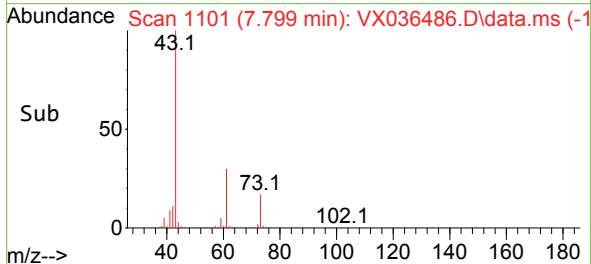
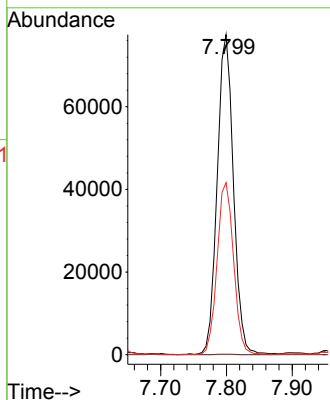
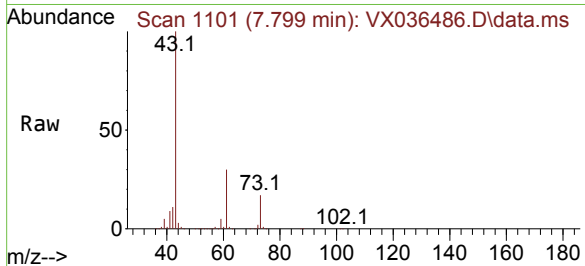




#48
Methyl methacrylate
Concen: 57.820 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

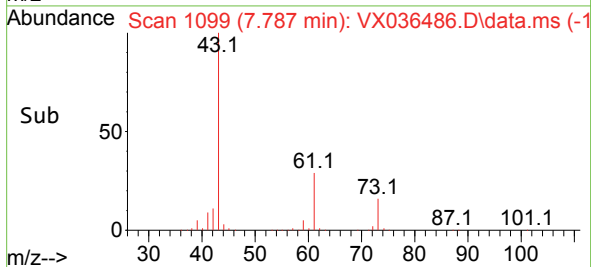
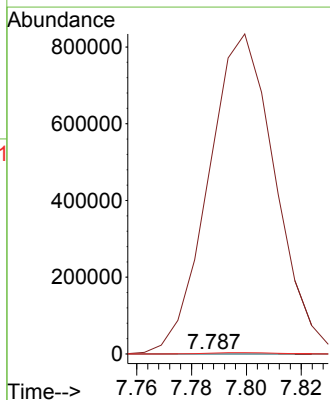
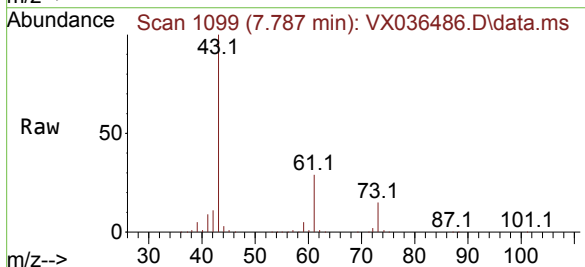
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#08

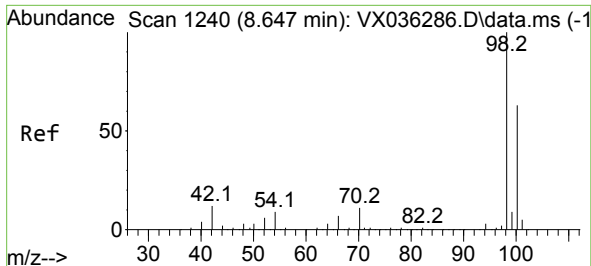
Tgt Ion: 41 Resp: 133391
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.5 47.7 71.5



#49
1,4-Dioxane
Concen: 2.268 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.055 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

Tgt Ion: 88 Resp: 116
Ion Ratio Lower Upper
88 100
43 1227194.0 0.0 0.0#
58 5244.0 60.1 90.1#

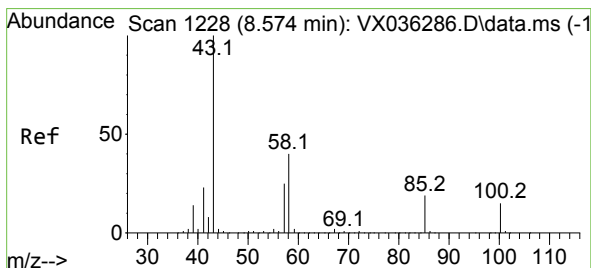
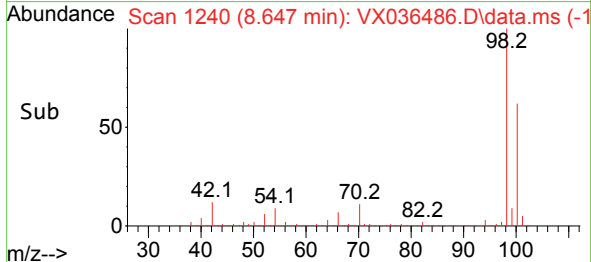
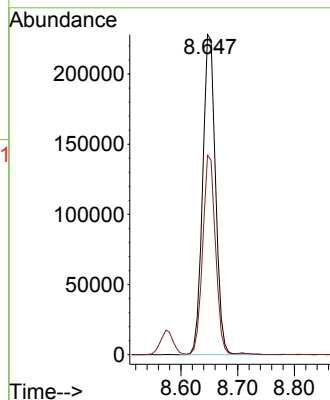
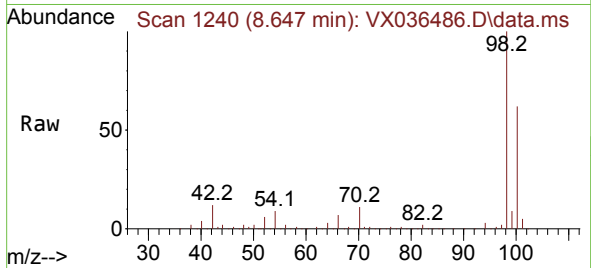




#50
Toluene-d8
Concen: 50.454 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

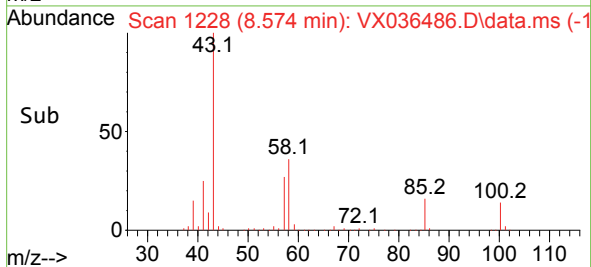
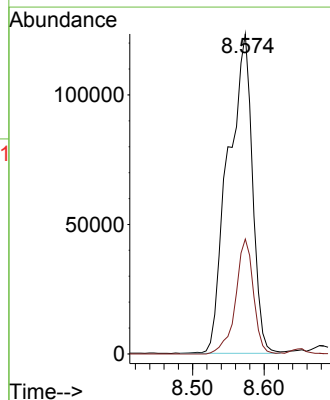
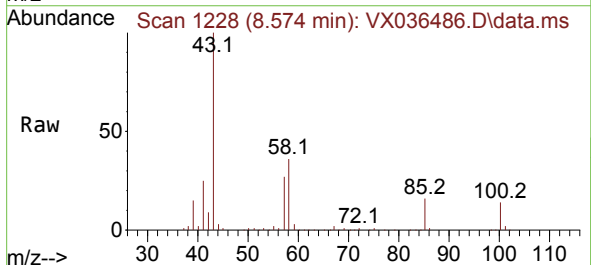
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#08

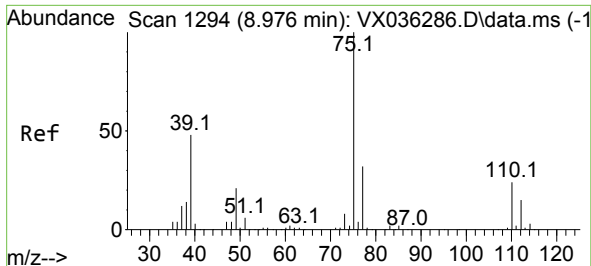
Tgt Ion: 98 Resp: 359756
Ion Ratio Lower Upper
98 100
100 61.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 97.499 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

Tgt Ion: 43 Resp: 290642
Ion Ratio Lower Upper
43 100
58 26.3 30.4 45.6#

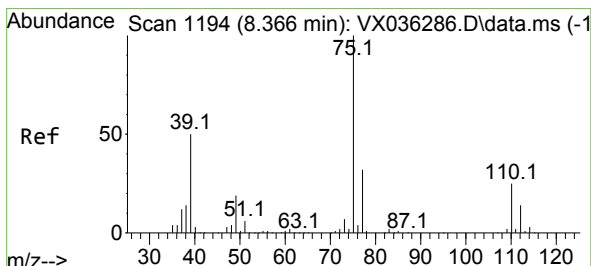
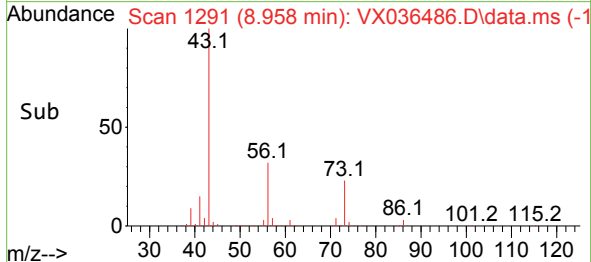
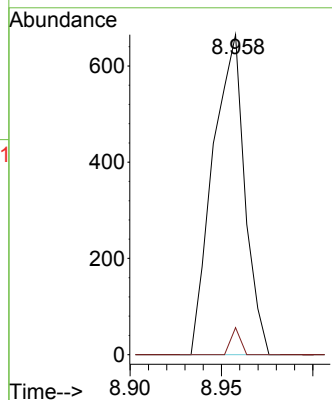
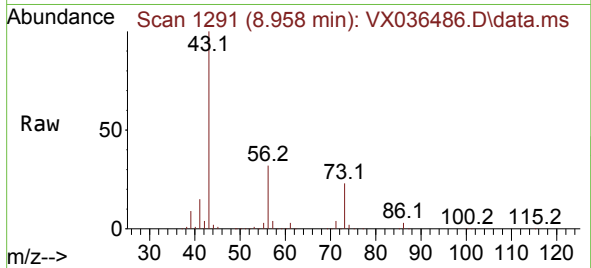




#53
 t-1,3-Dichloropropene
 Concen: 0.290 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX036486.D
 Acq: 10 Jul 2023 16:31

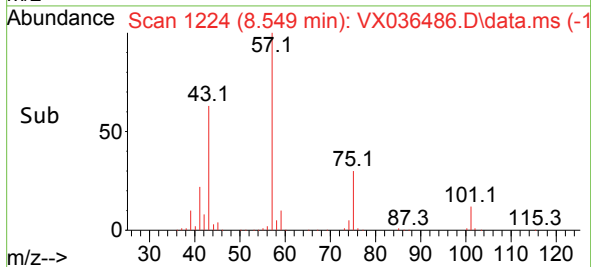
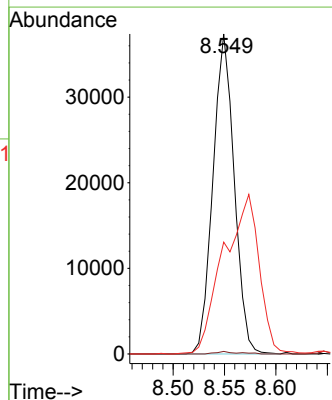
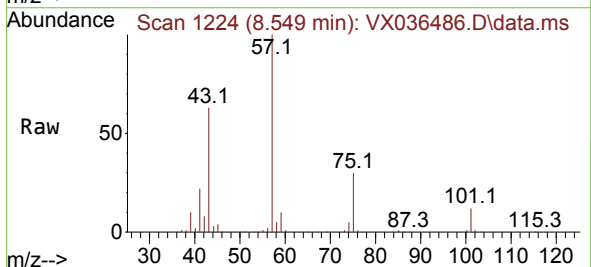
Instrument :
 MSVOA_X
 ClientSampleId :
 PB154051ZHE#08

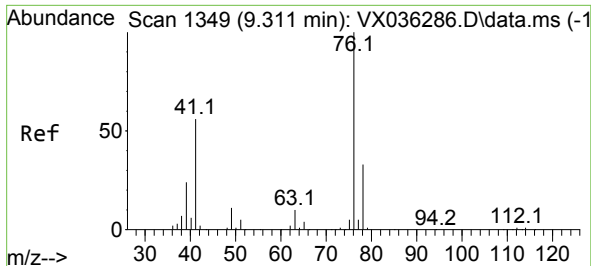
Tgt Ion: 75 Resp: 808
 Ion Ratio Lower Upper
 75 100
 77 8.4 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 17.104 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036486.D
 Acq: 10 Jul 2023 16:31

Tgt Ion: 75 Resp: 53829
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.3 37.9#
 39 34.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.926 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036486.D

Acq: 10 Jul 2023 16:31

Instrument :

MSVOA_X

ClientSampleId :

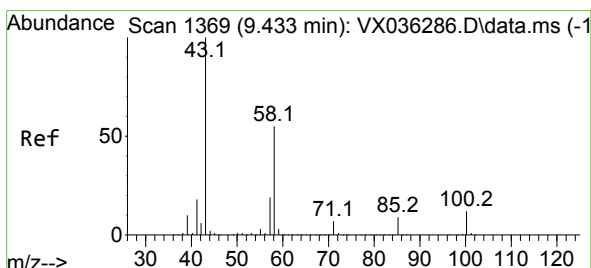
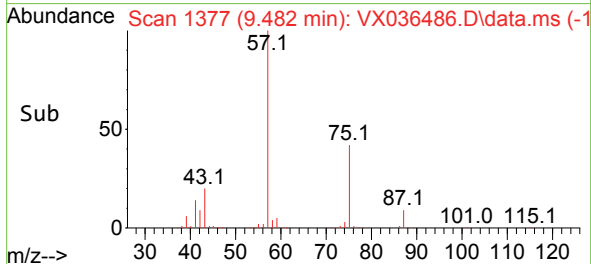
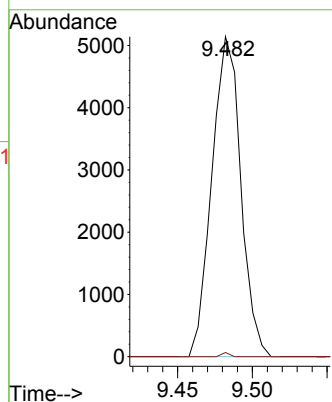
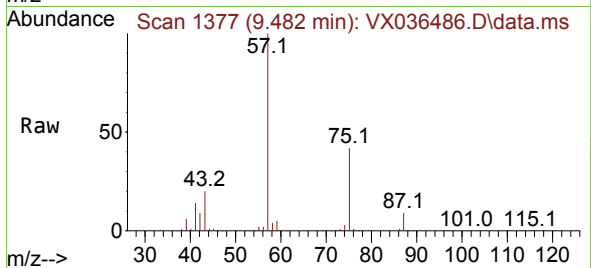
PB154051ZHE#08

Tgt Ion: 76 Resp: 6910

Ion Ratio Lower Upper

76 100

78 0.4 26.1 39.1#



#59

2-Hexanone

Concen: 43.088 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036486.D

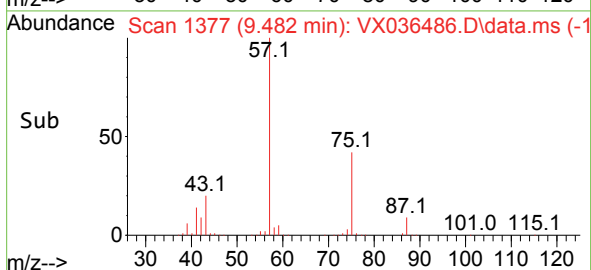
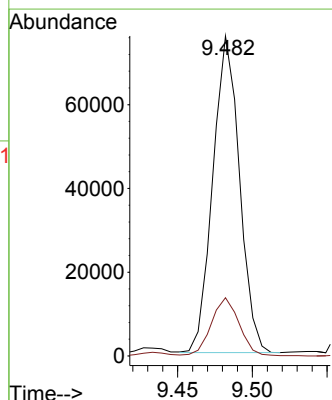
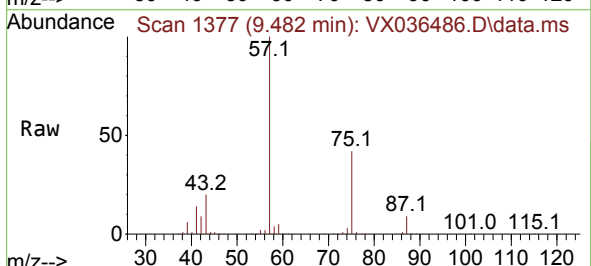
Acq: 10 Jul 2023 16:31

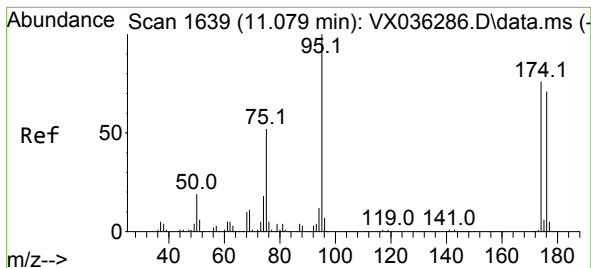
Tgt Ion: 43 Resp: 93797

Ion Ratio Lower Upper

43 100

58 19.3 26.2 78.5#

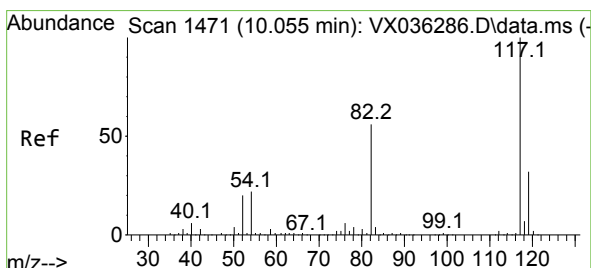
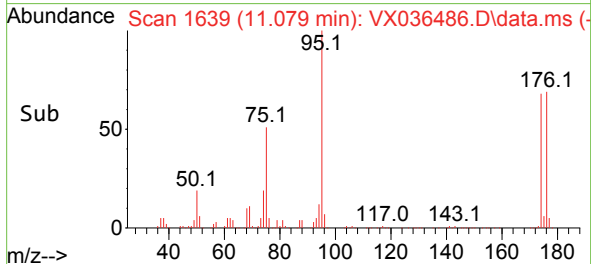
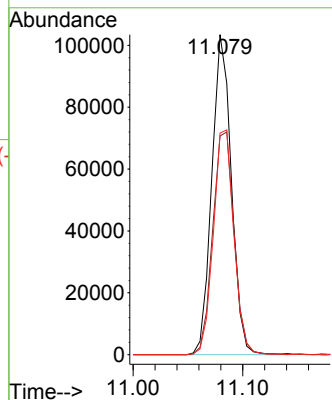
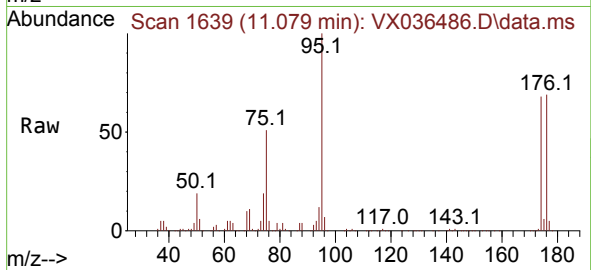




#62
4-Bromofluorobenzene
Concen: 51.055 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

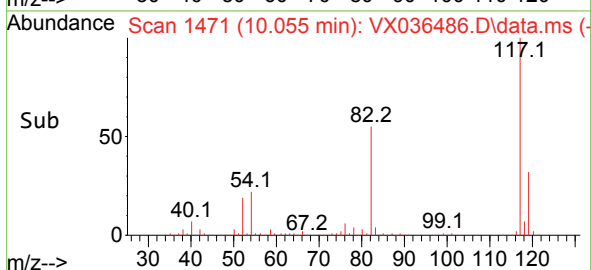
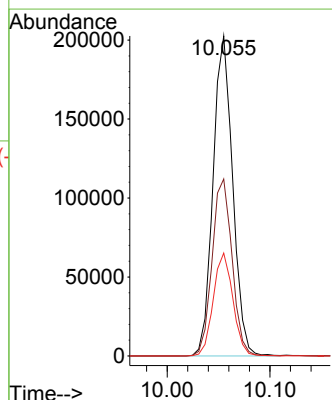
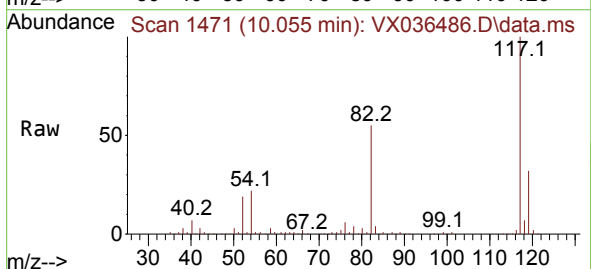
Instrument :
MSVOA_X
ClientSampleId :
PB154051ZHE#08

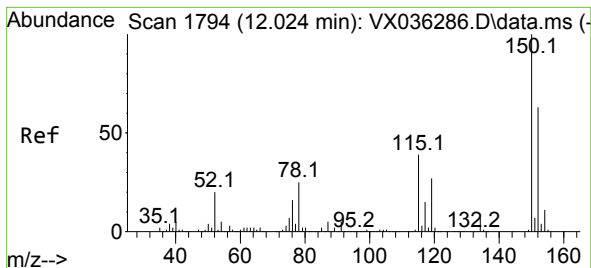
Tgt Ion: 95 Resp: 128228
Ion Ratio Lower Upper
95 100
174 76.1 0.0 135.6
176 73.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036486.D
Acq: 10 Jul 2023 16:31

Tgt Ion: 117 Resp: 268199
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.1 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: VX036486.D

Acq: 10 Jul 2023 16:31

Instrument :

MSVOA_X

ClientSampleId :

PB154051ZHE#08

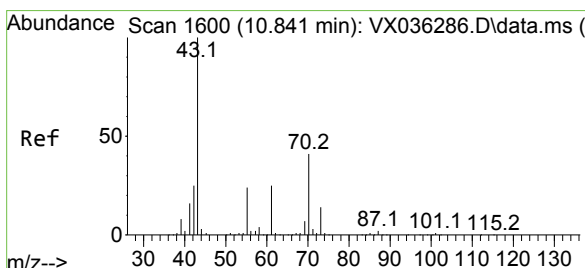
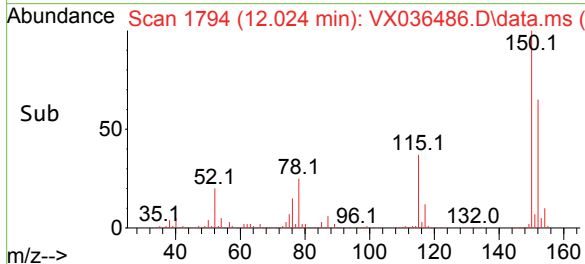
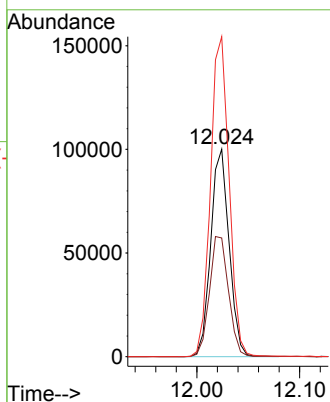
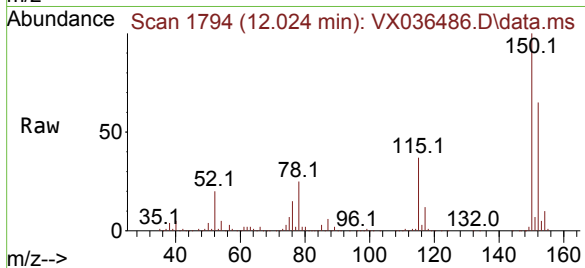
Tgt Ion:152 Resp: 124024

Ion Ratio Lower Upper

152 100

115 60.2 43.3 129.9

150 156.6 0.0 345.0



#74

N-ethyl acetate

Concen: 0.340 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX036486.D

Acq: 10 Jul 2023 16:31

Tgt Ion: 43 Resp: 1256

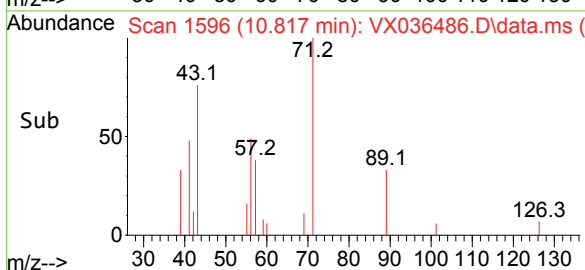
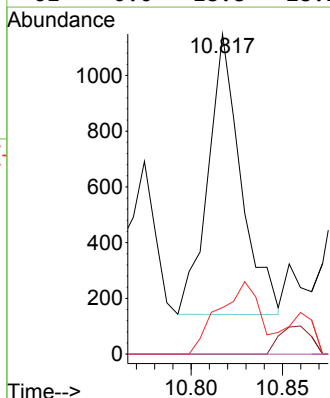
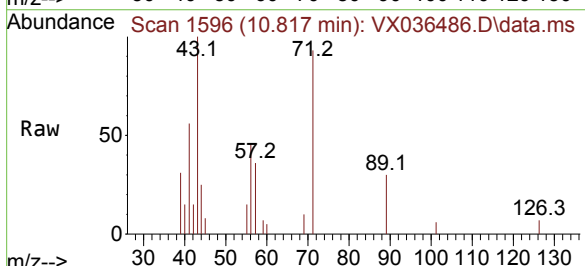
Ion Ratio Lower Upper

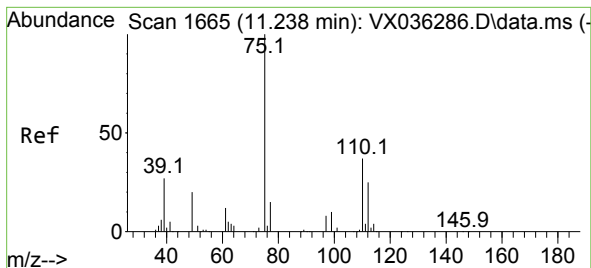
43 100

70 0.0 32.9 49.3#

55 34.2 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.324 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036486.D

Acq: 10 Jul 2023 16:31

Instrument :

MSVOA_X

ClientSampleId :

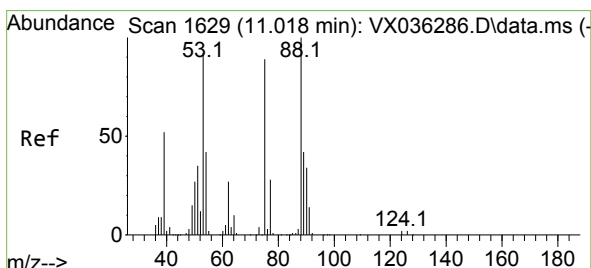
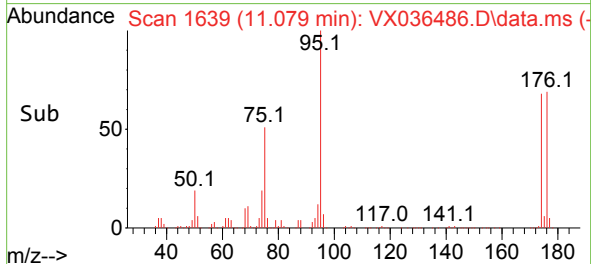
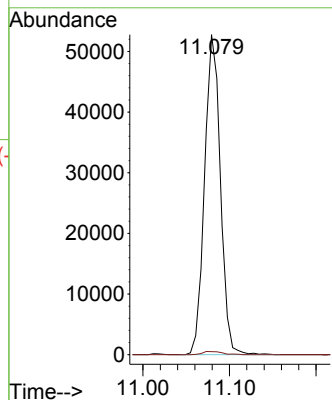
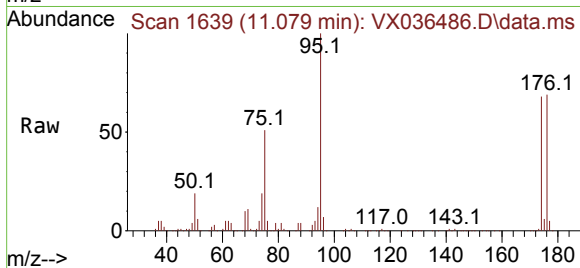
PB154051ZHE#08

Tgt Ion: 75 Resp: 66995

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.551 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036486.D

Acq: 10 Jul 2023 16:31

Tgt Ion: 75 Resp: 66995

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

