

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036405.D
 Acq On : 05 Jul 2023 15:43
 Operator : JC/MD
 Sample : PB153983ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#06

Quant Time: Jul 06 04:52:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

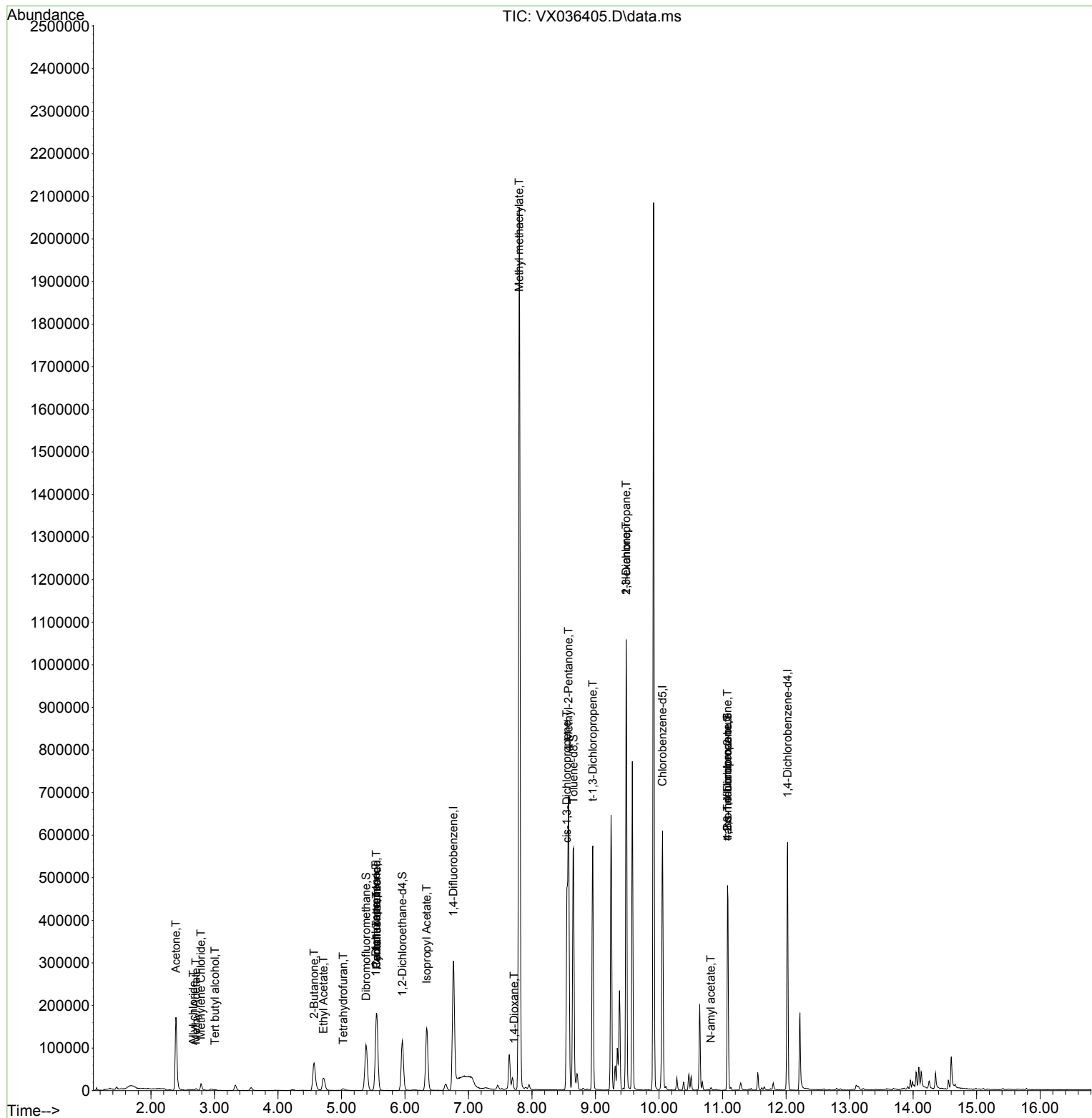
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	174116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	290414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	108581	43.505	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.000%
35) Dibromofluoromethane	5.385	113	92686	48.402	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.800%
50) Toluene-d8	8.653	98	352153	49.237	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.480%
62) 4-Bromofluorobenzene	11.079	95	124423	49.389	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.780%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.007	59	3770	8.298	ug/l #	93
14) Allyl chloride	2.666	41	2373	0.738	ug/l #	44
16) Acetone	2.391	43	218692	205.000	ug/l	96
18) Methyl Acetate	2.708	43	5385	1.228	ug/l	98
20) Methylene Chloride	2.788	84	7625	3.320	ug/l	90
25) 2-Butanone	4.568	43	117154	76.433	ug/l	97
29) Tetrahydrofuran	5.025	42	4206	4.310	ug/l	92
31) Cyclohexane	5.549	56	3732	1.167	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	13475	4.721	ug/l #	42
37) Ethyl Acetate	4.714	43	55170	18.964	ug/l	98
38) Carbon Tetrachloride	5.549	117	17575	6.741	ug/l #	13
43) Isopropyl Acetate	6.342	43	202441	43.620	ug/l	98
48) Methyl methacrylate	7.799	41	172241	74.433	ug/l #	48
49) 1,4-Dioxane	7.720	88	46	0.897	ug/l #	12
51) 4-Methyl-2-Pentanone	8.573	43	526029	175.925	ug/l #	87
53) t-1,3-Dichloropropene	8.957	75	1250	0.448	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	69907	22.146	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	8624	2.396	ug/l #	42
59) 2-Hexanone	9.482	43	122520	56.111	ug/l #	52
74) N-amyl acetate	10.817	43	1797	0.497	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	65628	25.346	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	65628	82.623	ug/l #	5

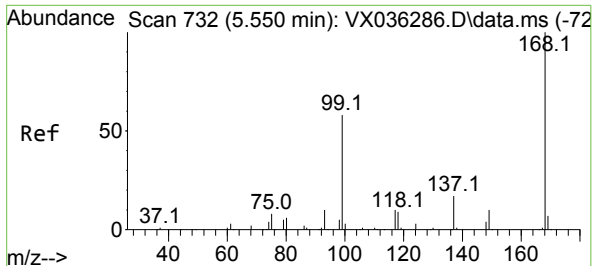
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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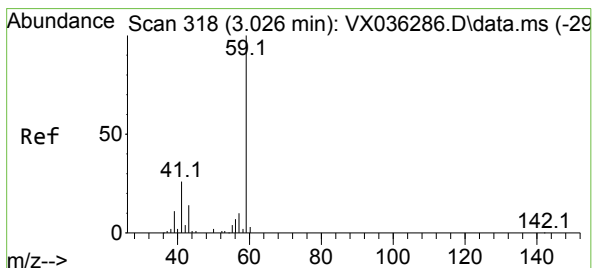
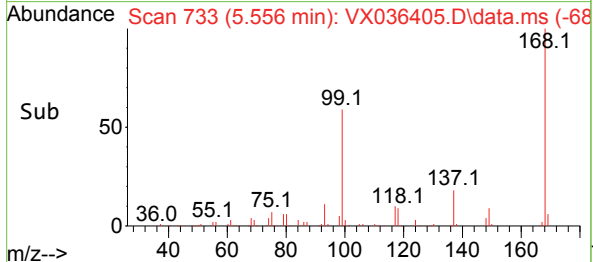
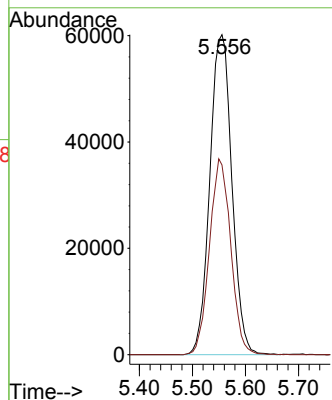
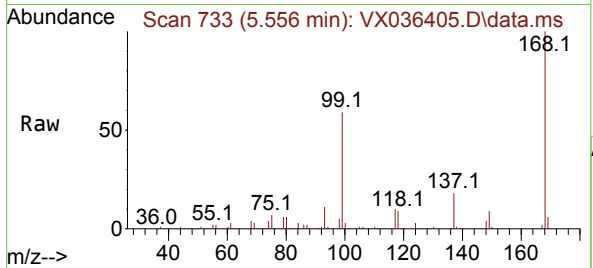




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

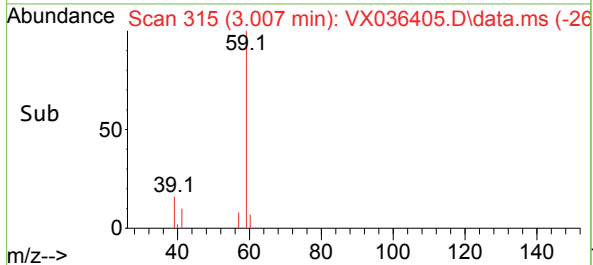
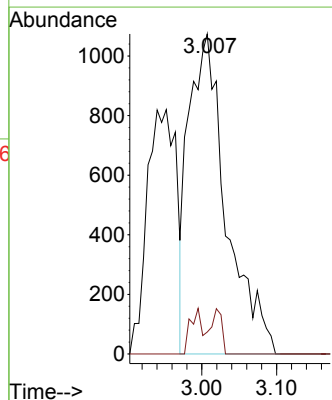
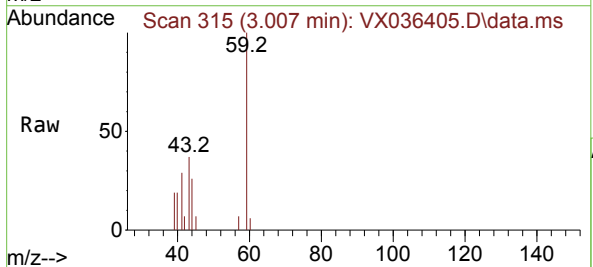
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#06

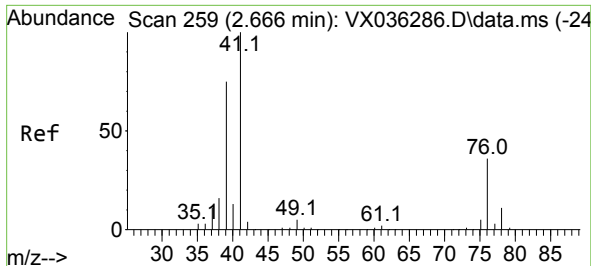
Tgt Ion:168 Resp: 174116
Ion Ratio Lower Upper
168 100
99 59.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 8.298 ug/l
RT: 3.007 min Scan# 315
Delta R.T. -0.006 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

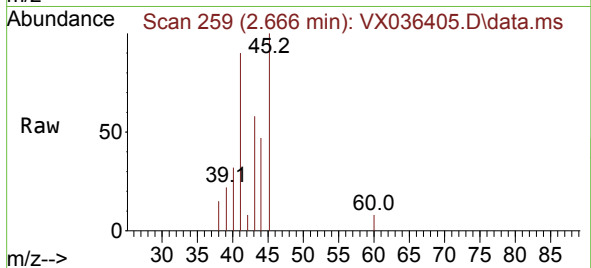
Tgt Ion: 59 Resp: 3770
Ion Ratio Lower Upper
59 100
57 4.9 6.0 9.0#



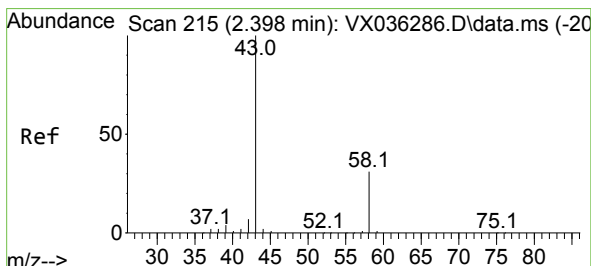
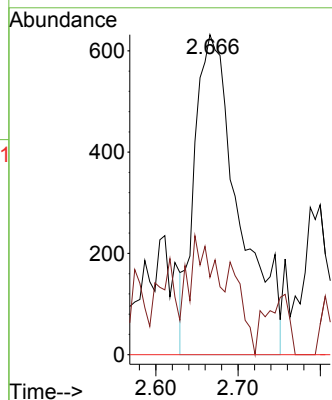
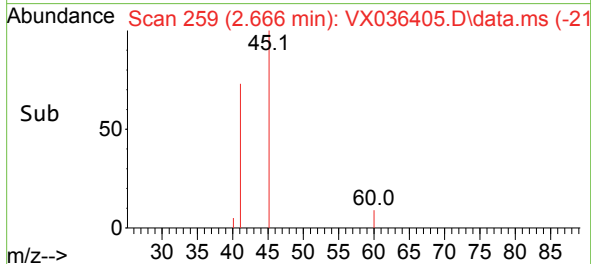


#14
 Allyl chloride
 Concen: 0.738 ug/l
 RT: 2.666 min Scan# 214
 Delta R.T. -0.000 min
 Lab File: VX036405.D
 Acq: 05 Jul 2023 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#06

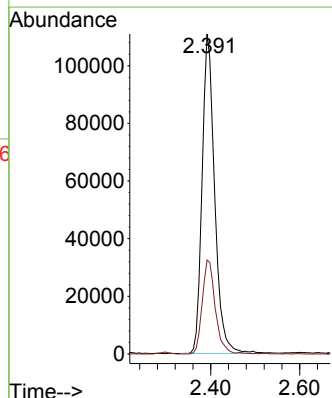
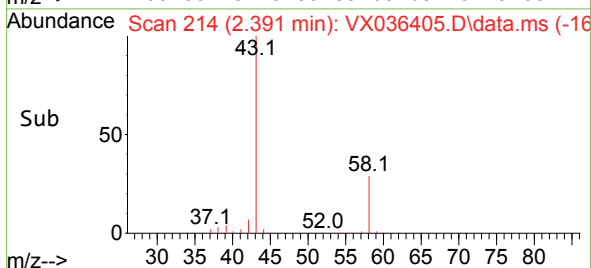
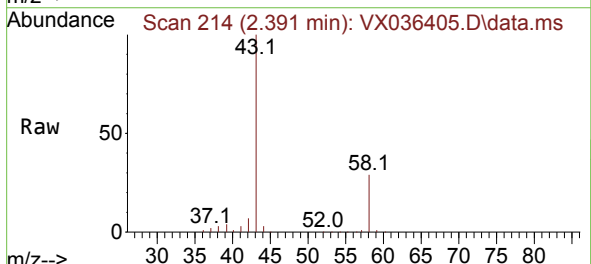


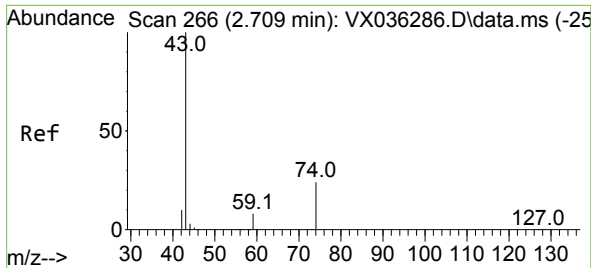
Tgt Ion: 41 Resp: 2373
 Ion Ratio Lower Upper
 41 100
 39 23.2 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 205.000 ug/l
 RT: 2.391 min Scan# 214
 Delta R.T. -0.013 min
 Lab File: VX036405.D
 Acq: 05 Jul 2023 15:43

Tgt Ion: 43 Resp: 218692
 Ion Ratio Lower Upper
 43 100
 58 29.4 21.9 32.9

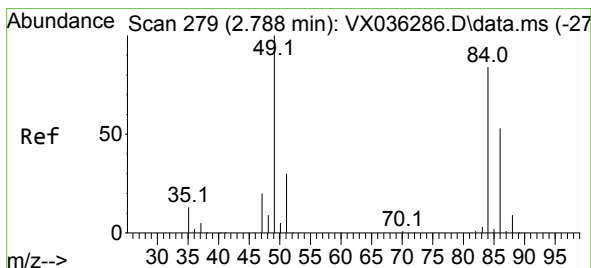
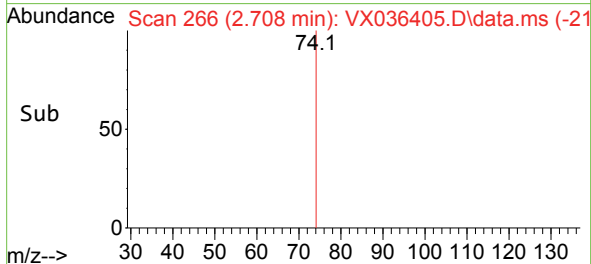
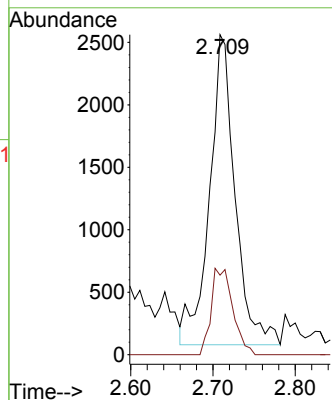
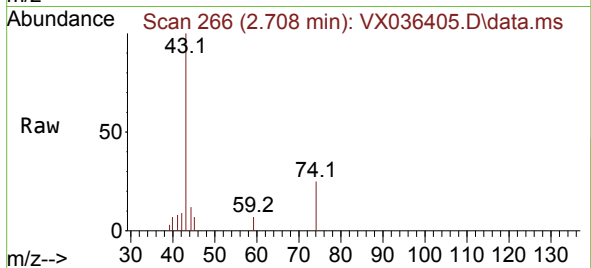




#18
Methyl Acetate
Concen: 1.228 ug/l
RT: 2.708 min Scan# 20
Delta R.T. -0.001 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

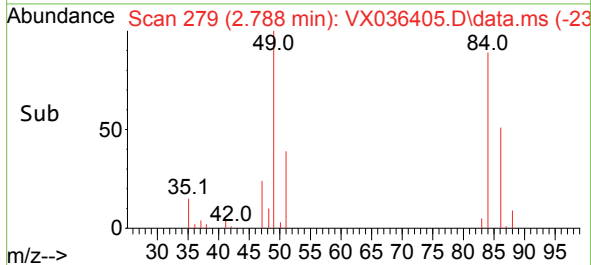
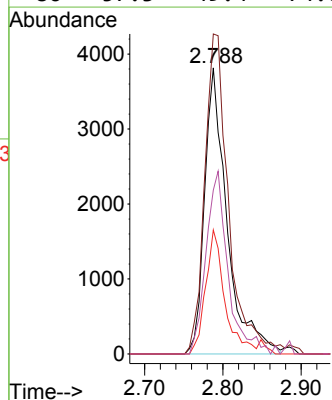
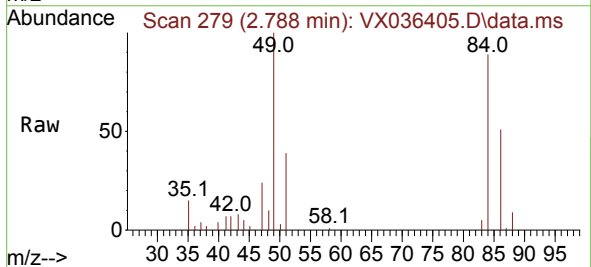
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#06

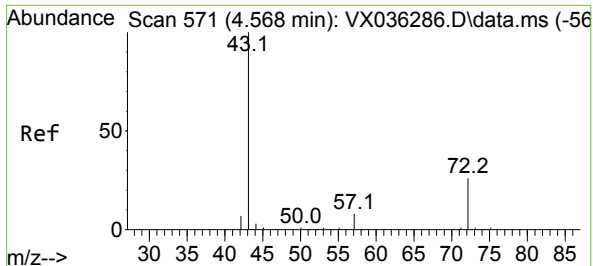
Tgt Ion: 43 Resp: 5385
Ion Ratio Lower Upper
43 100
74 23.5 17.8 26.8



#20
Methylene Chloride
Concen: 3.320 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

Tgt Ion: 84 Resp: 7625
Ion Ratio Lower Upper
84 100
49 111.8 103.6 155.4
51 43.4 33.8 50.6
86 57.3 49.4 74.0

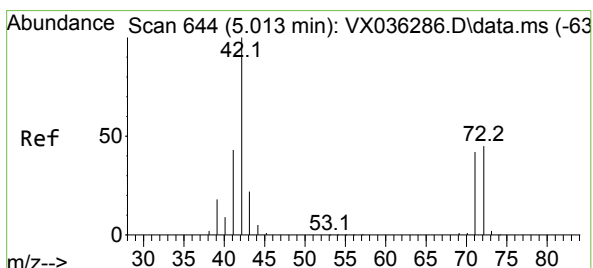
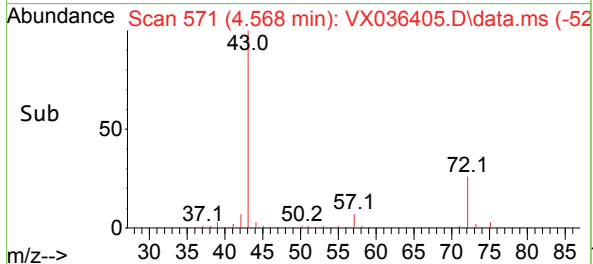
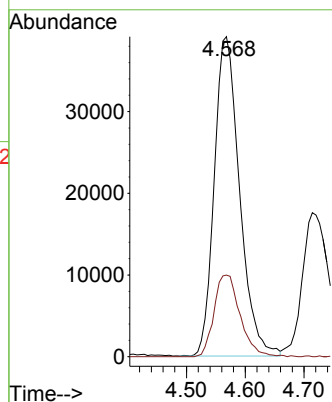
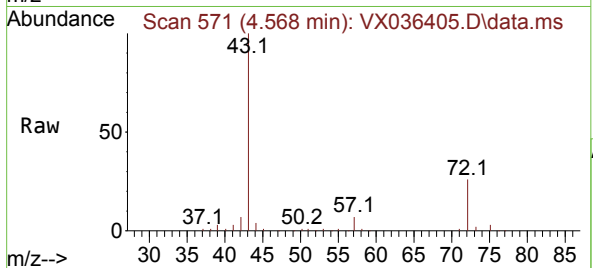




#25
2-Butanone
Concen: 76.433 ug/l
RT: 4.568 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

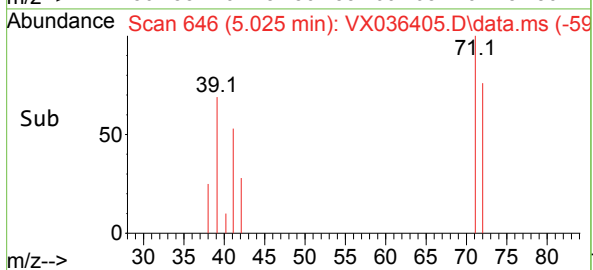
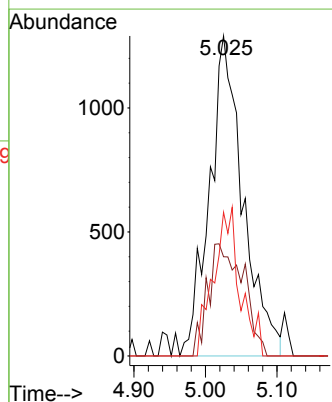
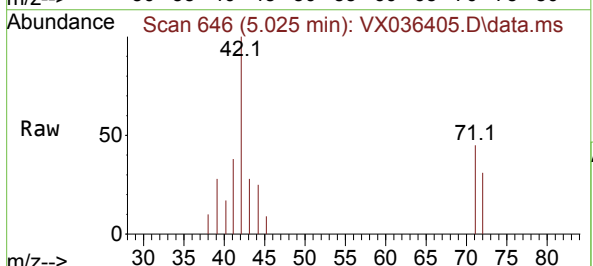
Instrument :
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ClientSampleId :
PB153983ZHE#06

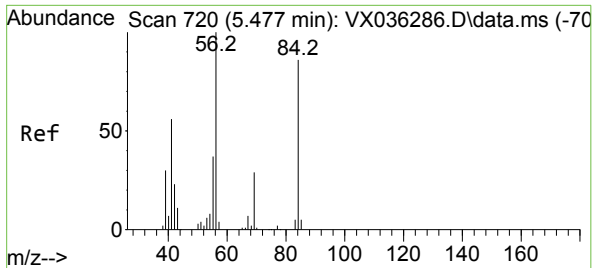
Tgt Ion: 43 Resp: 117154
Ion Ratio Lower Upper
43 100
72 25.6 19.4 29.2



#29
Tetrahydrofuran
Concen: 4.310 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.006 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

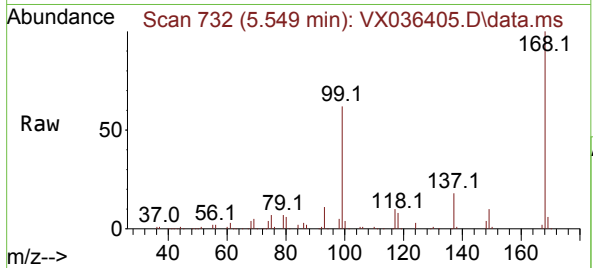
Tgt Ion: 42 Resp: 4206
Ion Ratio Lower Upper
42 100
72 37.0 34.2 51.4
71 36.5 32.2 48.2



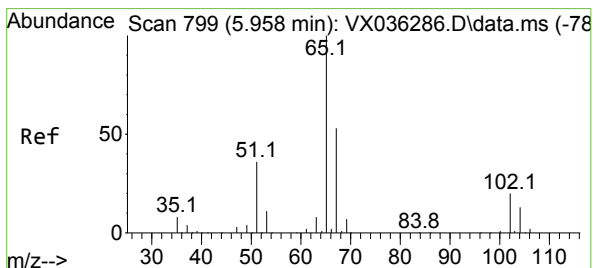
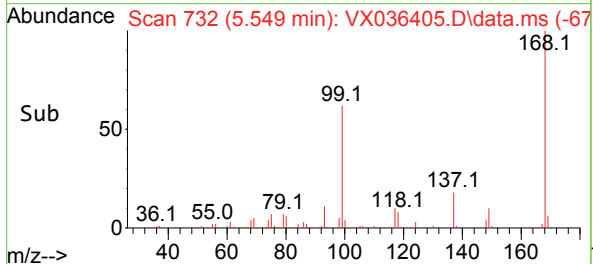
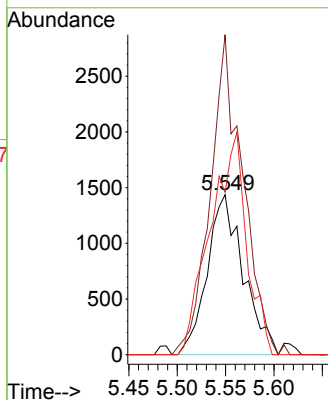


#31
Cyclohexane
Concen: 1.167 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#06

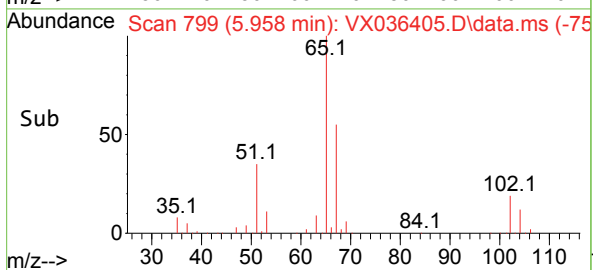
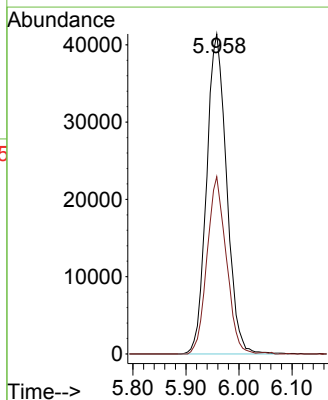
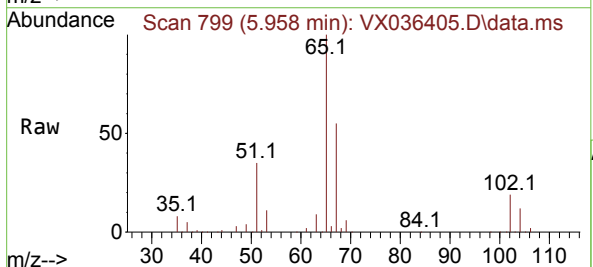


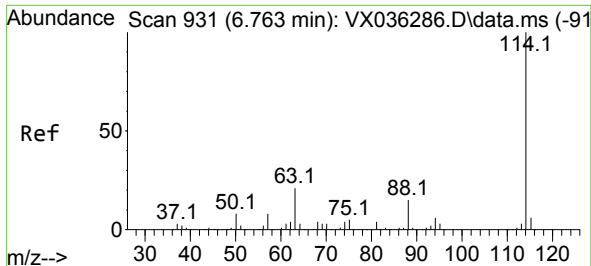
Tgt Ion: 56 Resp: 3732
Ion Ratio Lower Upper
56 100
69 200.1 23.4 35.2#
84 101.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.505 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

Tgt Ion: 65 Resp: 108581
Ion Ratio Lower Upper
65 100
67 53.1 0.0 100.2

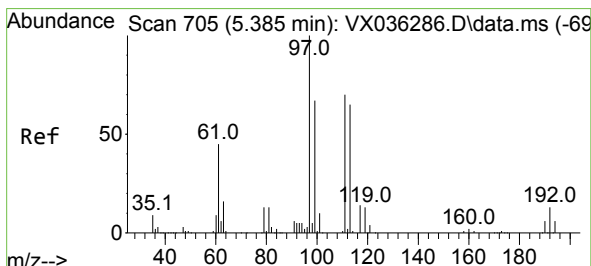
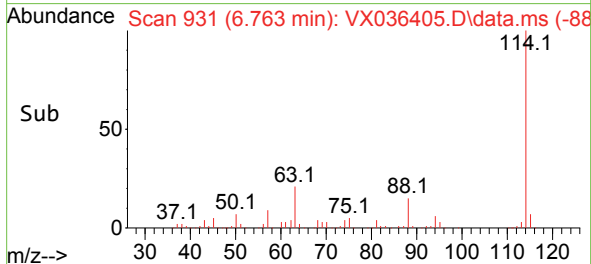
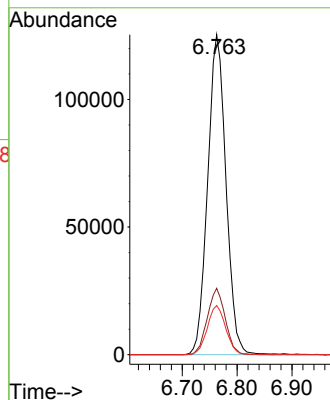
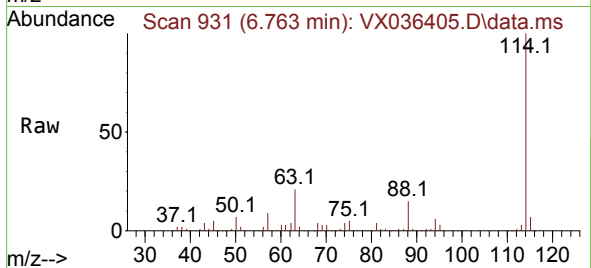




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

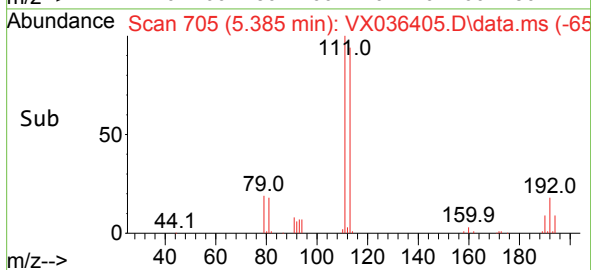
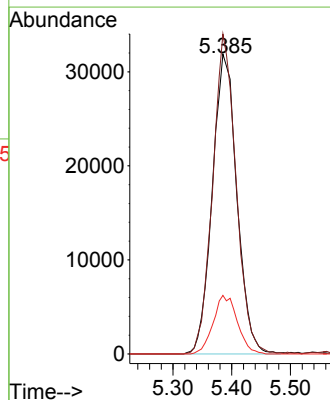
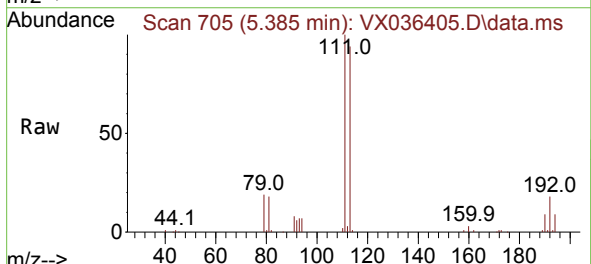
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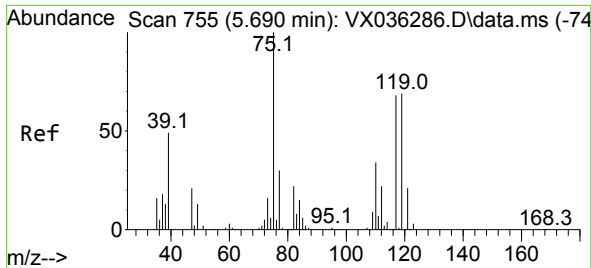
Tgt Ion:114 Resp: 290414
Ion Ratio Lower Upper
114 100
63 20.7 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.402 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

Tgt Ion:113 Resp: 92686
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 19.2 13.3 19.9

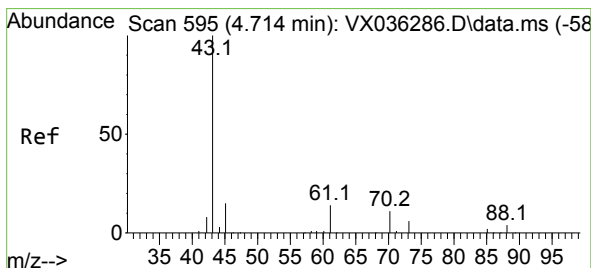
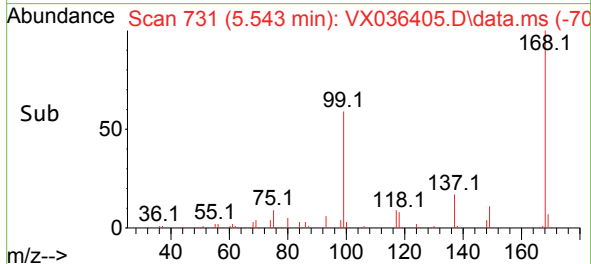
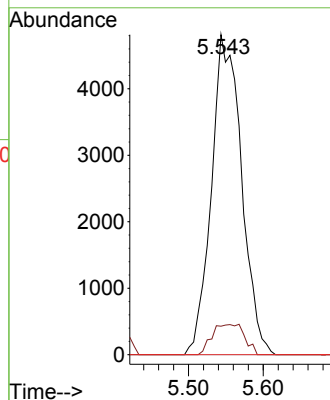
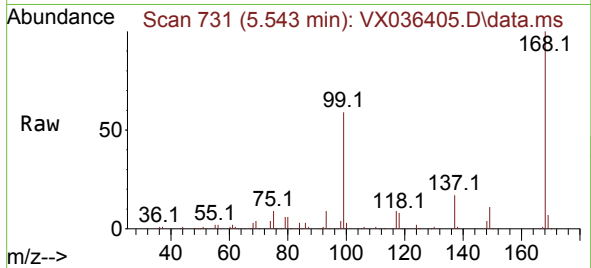




#36
1,1-Dichloropropene
Concen: 4.721 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.153 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

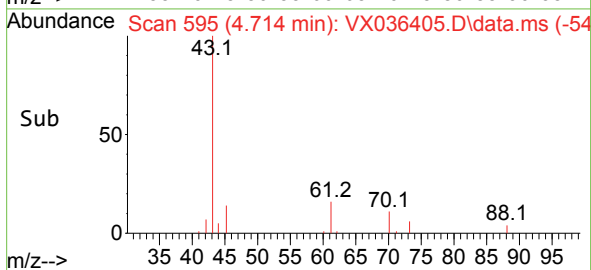
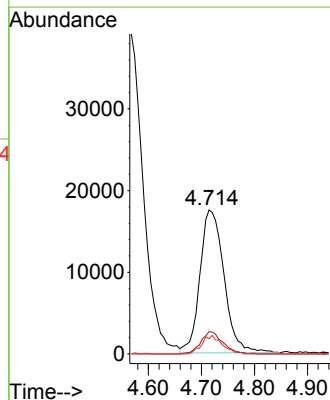
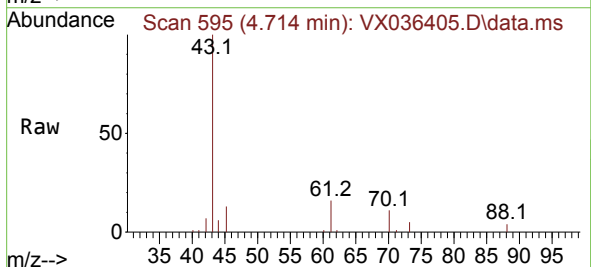
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#06

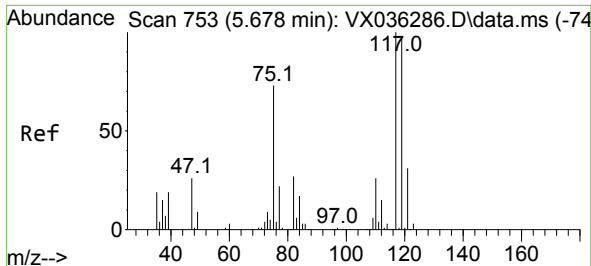
Tgt Ion: 75 Resp: 13475
Ion Ratio Lower Upper
75 100
110 0.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 18.964 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

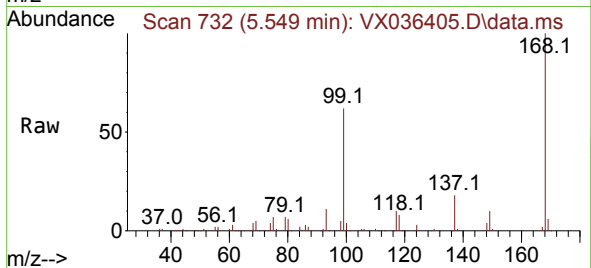
Tgt Ion: 43 Resp: 55170
Ion Ratio Lower Upper
43 100
61 14.2 10.6 16.0
70 10.9 8.3 12.5



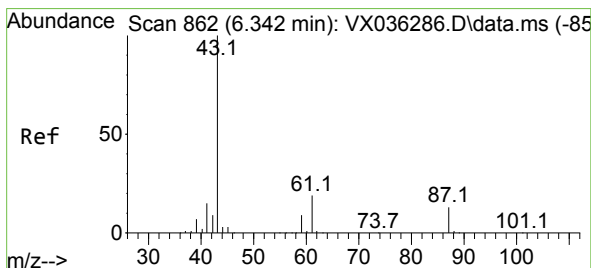
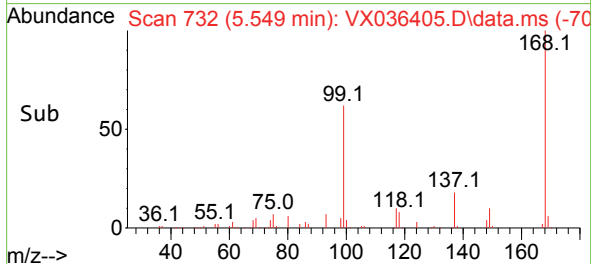
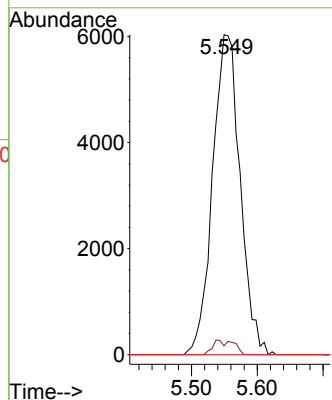


#38
Carbon Tetrachloride
Concen: 6.741 ug/l
RT: 5.549 min Scan# 711
Delta R.T. -0.129 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#06

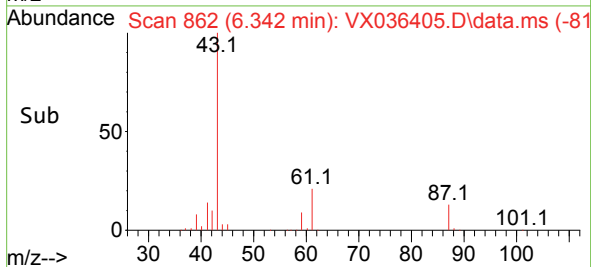
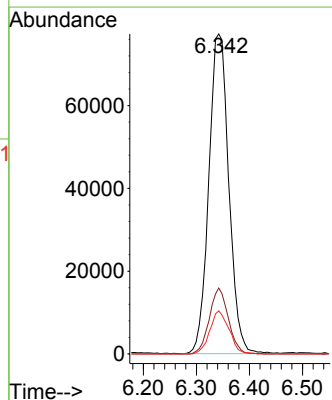
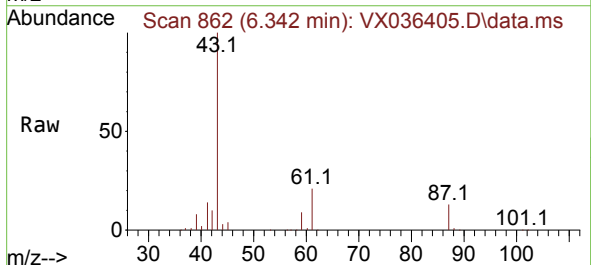


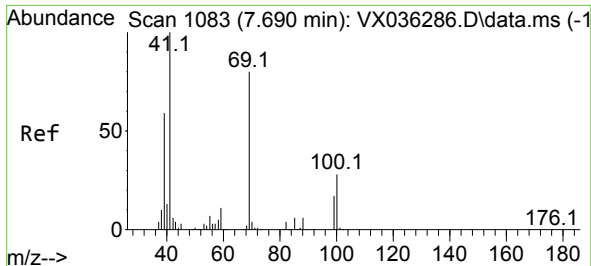
Tgt Ion:117 Resp: 17575
Ion Ratio Lower Upper
117 100
119 2.7 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 43.620 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

Tgt Ion: 43 Resp: 202441
Ion Ratio Lower Upper
43 100
61 19.6 15.2 22.8
87 13.0 9.8 14.6

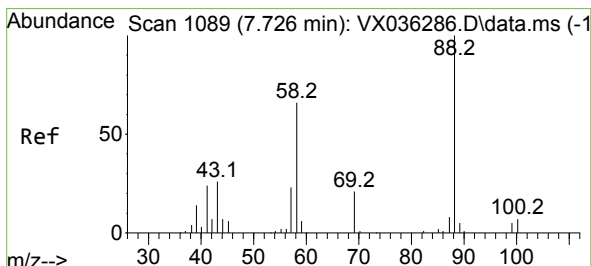
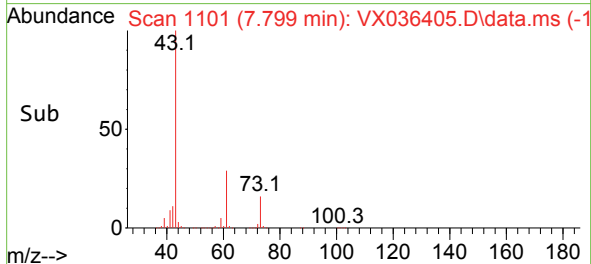
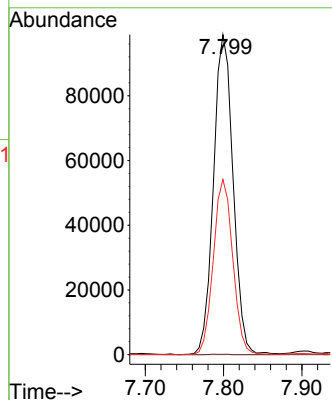
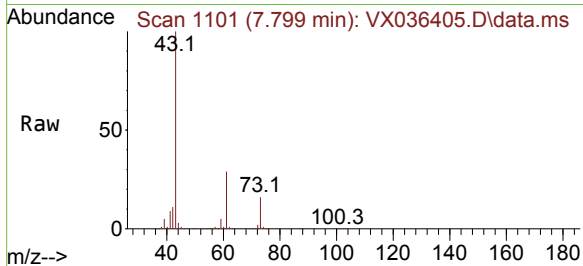




#48
Methyl methacrylate
Concen: 74.433 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

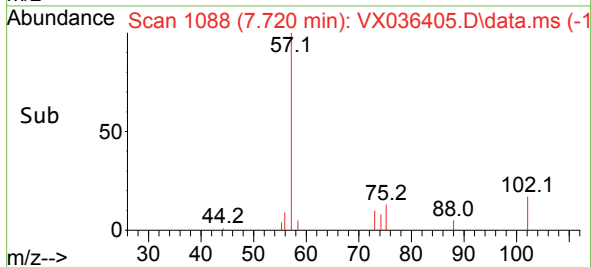
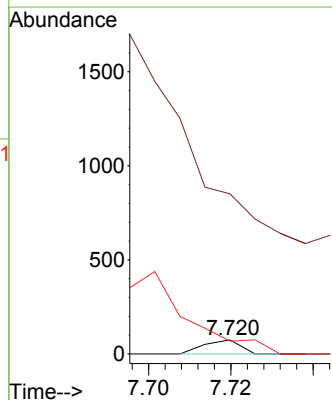
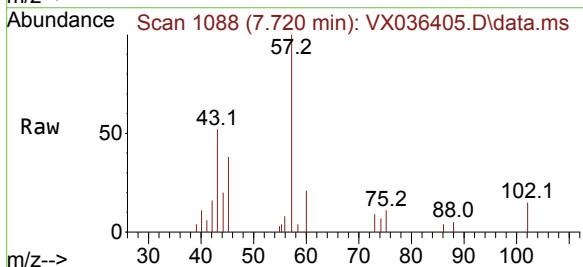
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#06

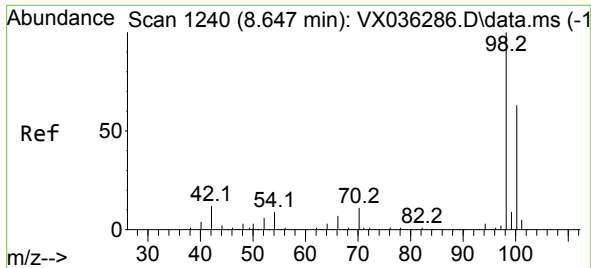
Tgt Ion: 41 Resp: 172241
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 54.3 47.7 71.5



#49
1,4-Dioxane
Concen: 0.897 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. -0.012 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#

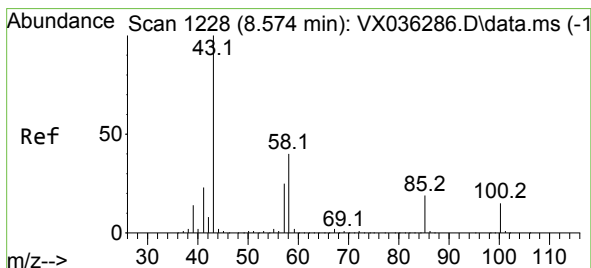
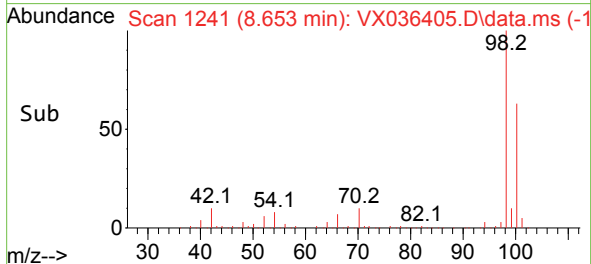
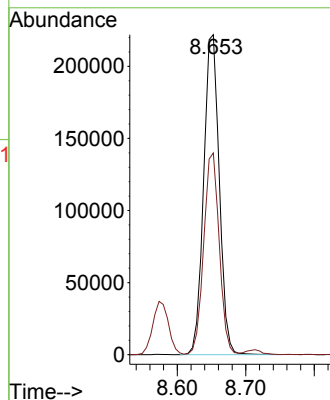
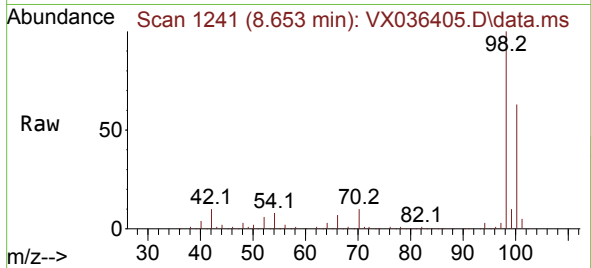




#50
Toluene-d8
Concen: 49.237 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

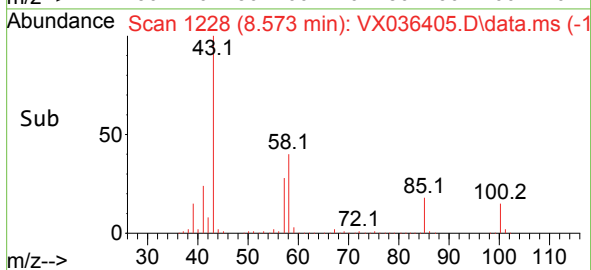
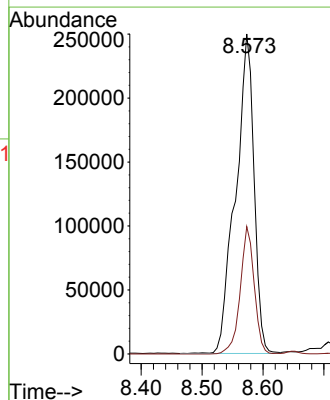
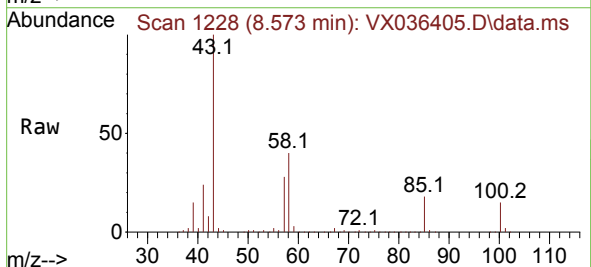
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#06

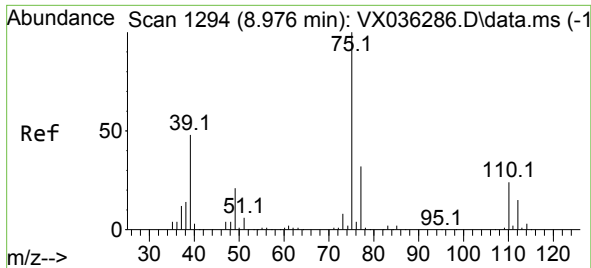
Tgt Ion: 98 Resp: 352153
Ion Ratio Lower Upper
98 100
100 62.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 175.925 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

Tgt Ion: 43 Resp: 526029
Ion Ratio Lower Upper
43 100
58 30.4 30.4 45.6#

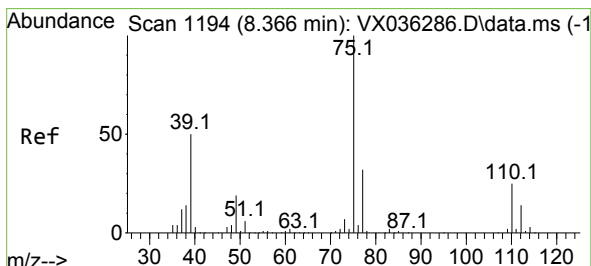
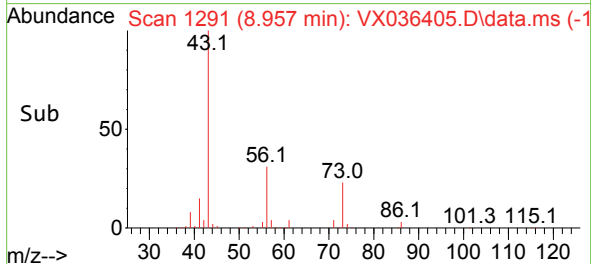
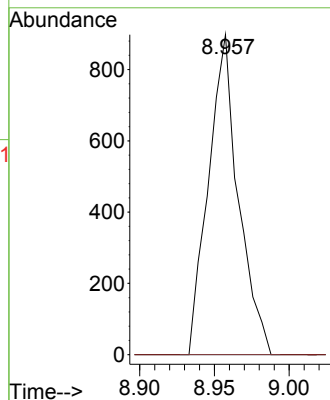
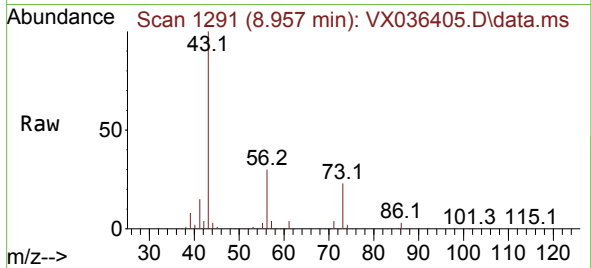




#53
 t-1,3-Dichloropropene
 Concen: 0.448 ug/l
 RT: 8.957 min Scan# 1124
 Delta R.T. -0.019 min
 Lab File: VX036405.D
 Acq: 05 Jul 2023 15:43

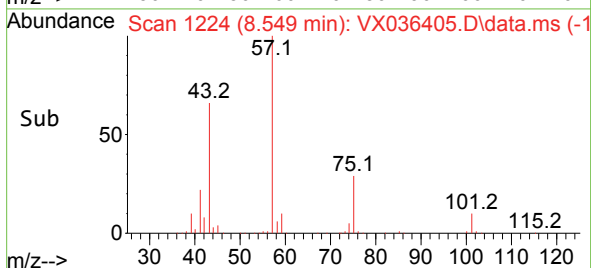
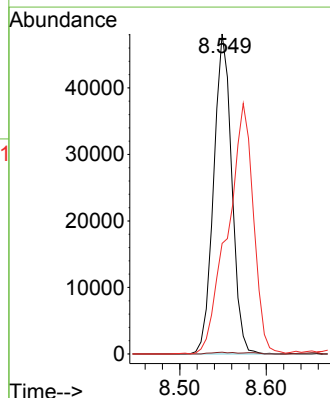
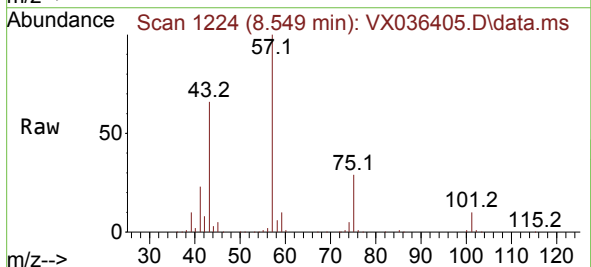
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#06

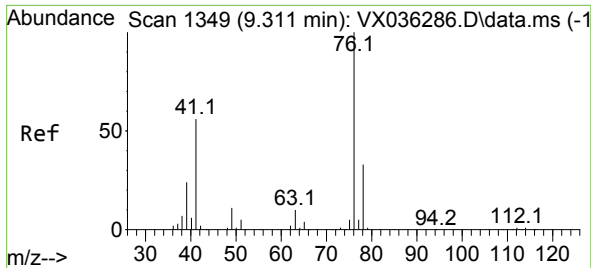
Tgt Ion: 75 Resp: 1250
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 22.146 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036405.D
 Acq: 05 Jul 2023 15:43

Tgt Ion: 75 Resp: 69907
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 34.4 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.396 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036405.D

Acq: 05 Jul 2023 15:43

Instrument :

MSVOA_X

ClientSampleId :

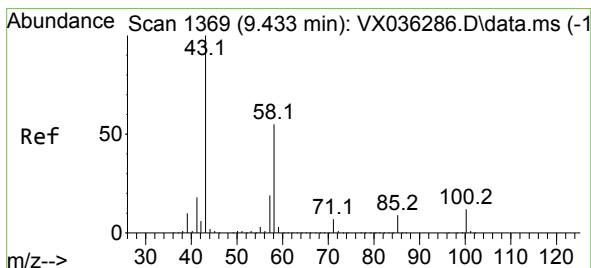
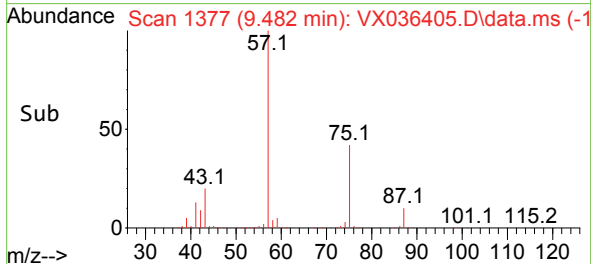
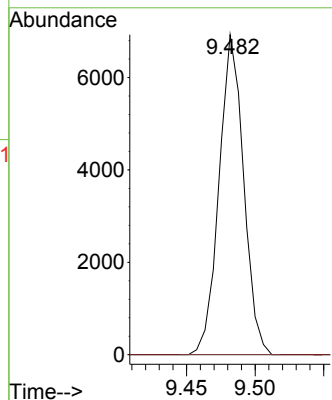
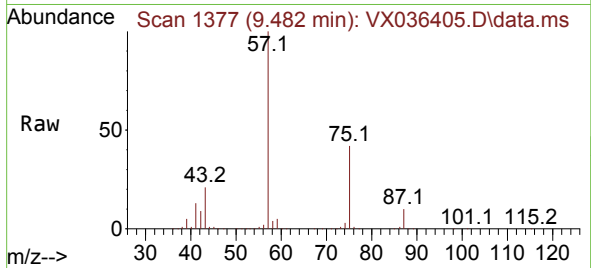
PB153983ZHE#06

Tgt Ion: 76 Resp: 8624

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 56.111 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036405.D

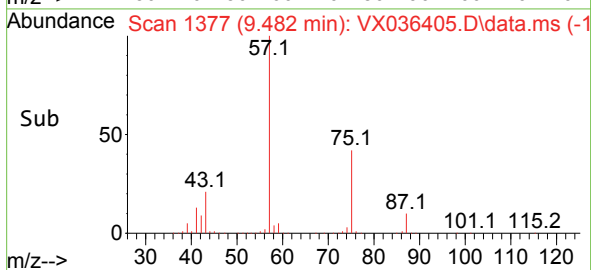
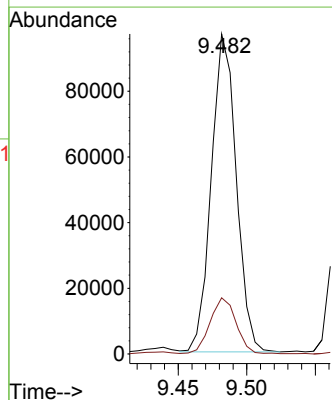
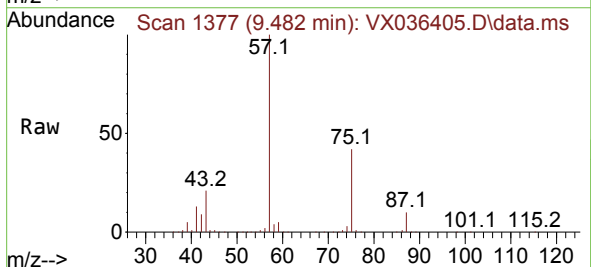
Acq: 05 Jul 2023 15:43

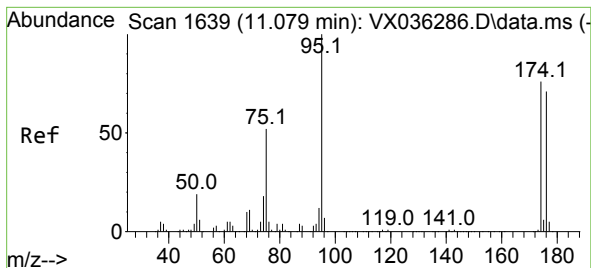
Tgt Ion: 43 Resp: 122520

Ion Ratio Lower Upper

43 100

58 18.7 26.2 78.5#

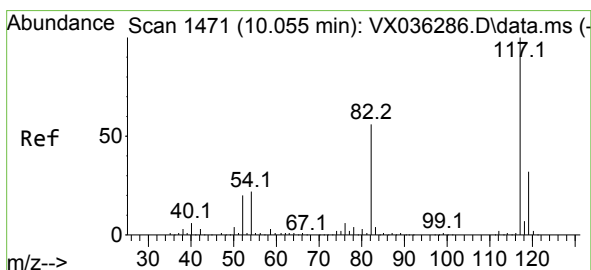
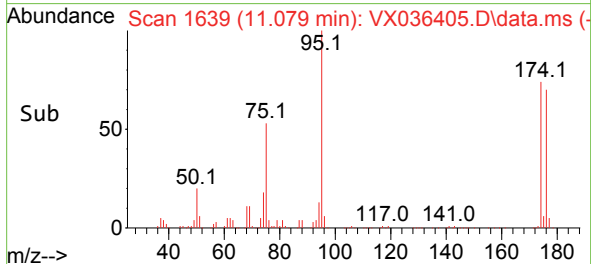
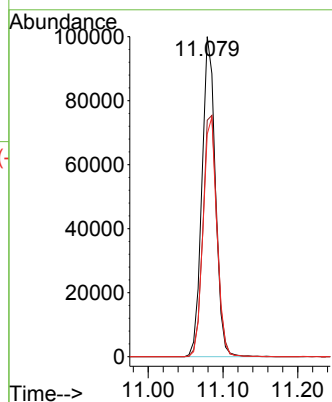
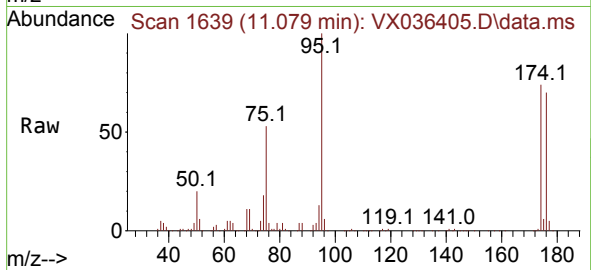




#62
4-Bromofluorobenzene
Concen: 49.389 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

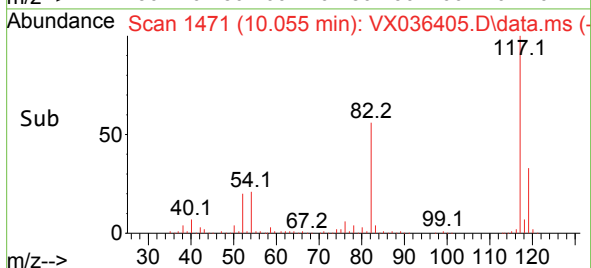
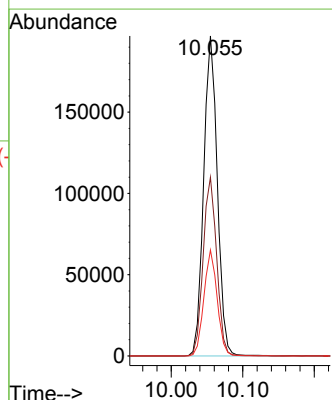
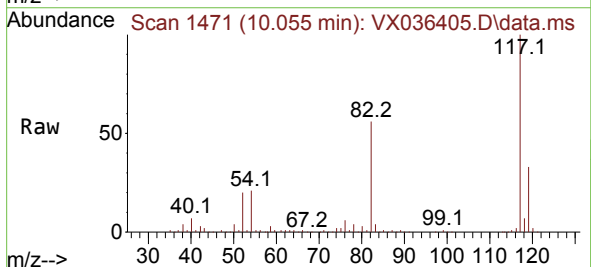
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#06

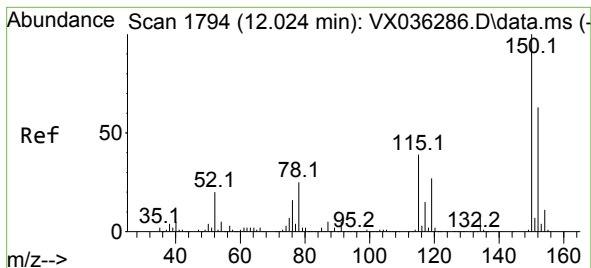
Tgt Ion: 95 Resp: 124423
Ion Ratio Lower Upper
95 100
174 79.4 0.0 135.6
176 76.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036405.D
Acq: 05 Jul 2023 15:43

Tgt Ion: 117 Resp: 261096
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 33.1 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: VX036405.D

Acq: 05 Jul 2023 15:43

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#06

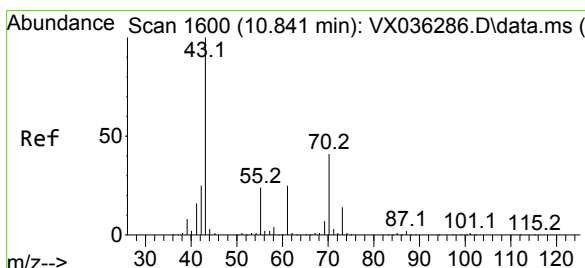
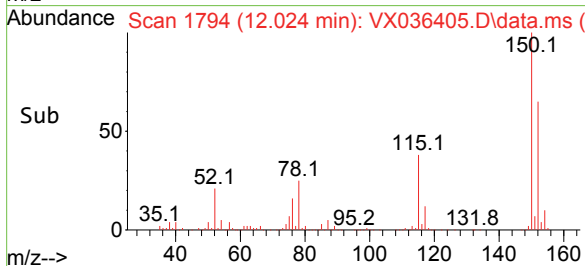
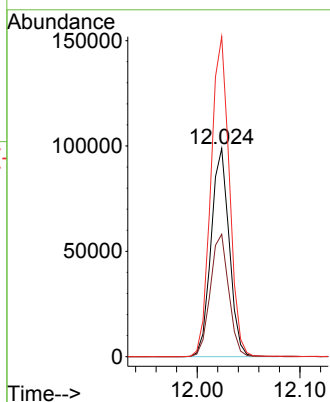
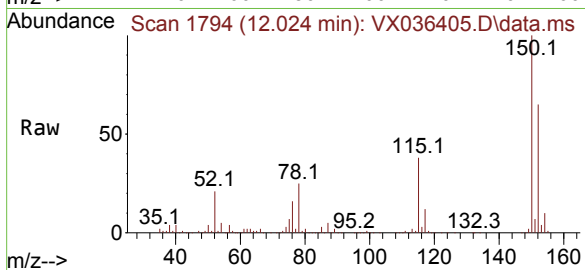
Tgt Ion:152 Resp: 121388

Ion Ratio Lower Upper

152 100

115 59.9 43.3 129.9

150 156.6 0.0 345.0



#74

N-ethyl acetate

Concen: 0.497 ug/l

RT: 10.817 min Scan# 1596

Delta R.T. -0.024 min

Lab File: VX036405.D

Acq: 05 Jul 2023 15:43

Tgt Ion: 43 Resp: 1797

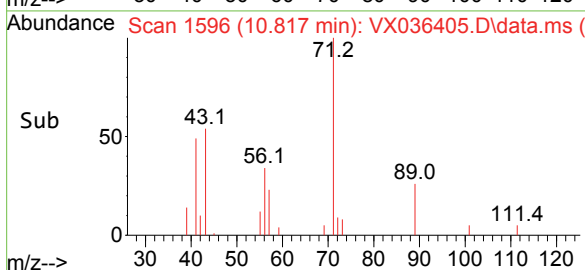
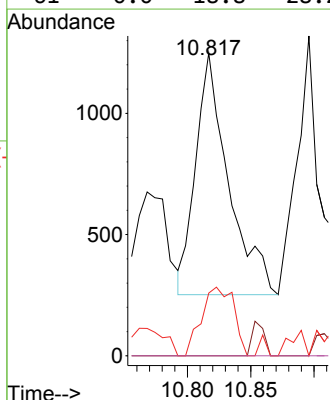
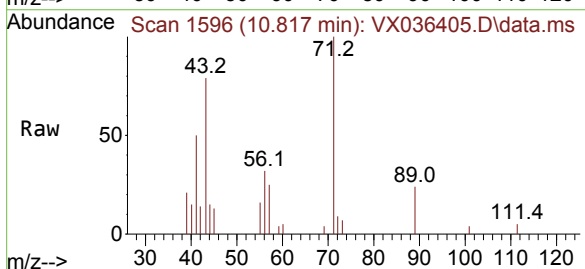
Ion Ratio Lower Upper

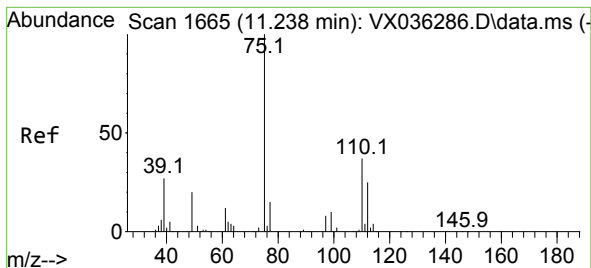
43 100

70 0.0 32.9 49.3#

55 28.0 19.3 28.9

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.346 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036405.D

Acq: 05 Jul 2023 15:43

Instrument :

MSVOA_X

ClientSampleId :

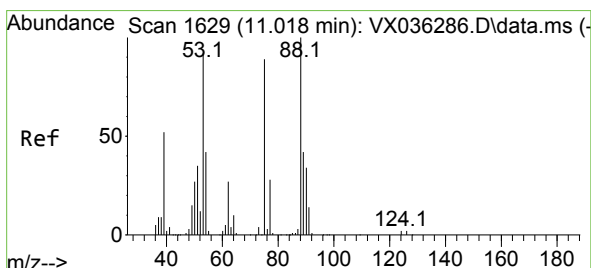
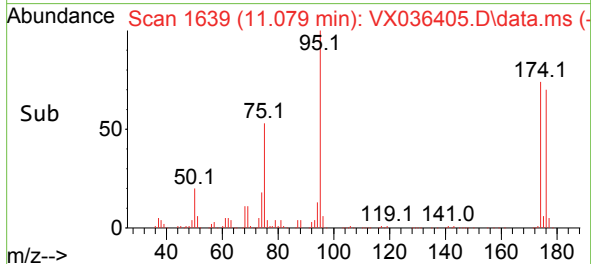
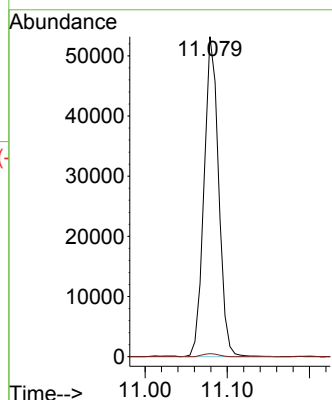
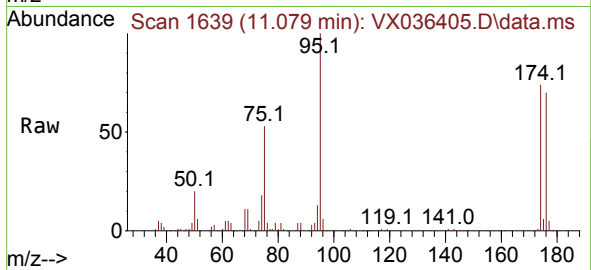
PB153983ZHE#06

Tgt Ion: 75 Resp: 65628

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.623 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036405.D

Acq: 05 Jul 2023 15:43

Tgt Ion: 75 Resp: 65628

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

