

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036410.D
 Acq On : 05 Jul 2023 17:42
 Operator : JC/MD
 Sample : PB153983ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#11

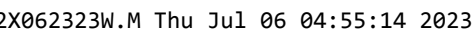
Quant Time: Jul 06 04:55:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

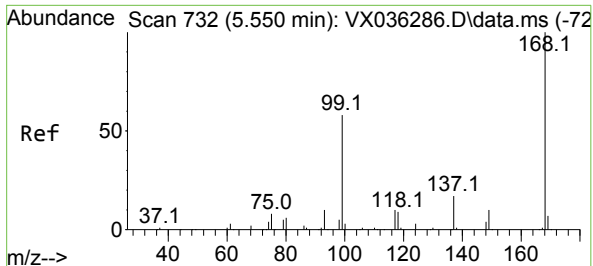
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.555	168	172493	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	288034	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	109238	44.180	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.360%		
35) Dibromofluoromethane	5.385	113	90723	47.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.540%		
50) Toluene-d8	8.652	98	349592	49.283	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.560%		
62) 4-Bromofluorobenzene	11.079	95	119807	47.950	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.900%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	3.013	59	760	1.689	ug/l	# 31
13) Acrolein	2.215	56	429	0.694	ug/l	# 14
14) Allyl chloride	2.684	41	1693	0.531	ug/l	# 43
16) Acetone	2.398	43	218449	206.699	ug/l	97
18) Methyl Acetate	2.715	43	4676	1.076	ug/l	96
20) Methylene Chloride	2.788	84	7024	3.087	ug/l	89
25) 2-Butanone	4.568	43	116976	77.035	ug/l	94
29) Tetrahydrofuran	5.025	42	1890	1.955	ug/l	# 27
31) Cyclohexane	5.555	56	3713	1.172	ug/l	# 1
36) 1,1-Dichloropropene	5.555	75	13723	4.847	ug/l	# 50
37) Ethyl Acetate	4.720	43	52842	18.313	ug/l	97
38) Carbon Tetrachloride	5.549	117	17419	6.737	ug/l	# 15
43) Isopropyl Acetate	6.342	43	198731	43.174	ug/l	98
48) Methyl methacrylate	7.799	41	173392	75.549	ug/l	# 48
49) 1,4-Dioxane	7.762	88	54	1.061	ug/l	# 12
51) 4-Methyl-2-Pentanone	8.573	43	526829	177.648	ug/l	# 87
53) t-1,3-Dichloropropene	8.957	75	1088	0.393	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	70320	22.460	ug/l	# 57
57) 1,3-Dichloropropane	9.482	76	8793	2.463	ug/l	# 42
59) 2-Hexanone	9.482	43	121240	55.984	ug/l	# 52
74) N-amyl acetate	10.640	43	49215	14.663	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	62082	25.849	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	62082	84.260	ug/l	# 5

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

Quant Time: Jul 06 04:55:00 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

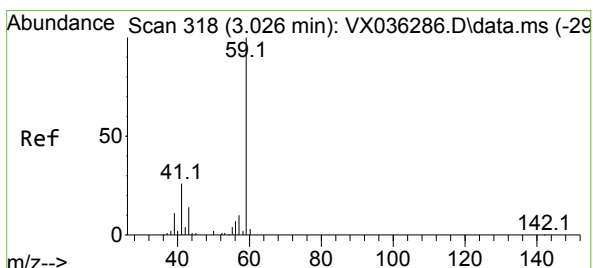
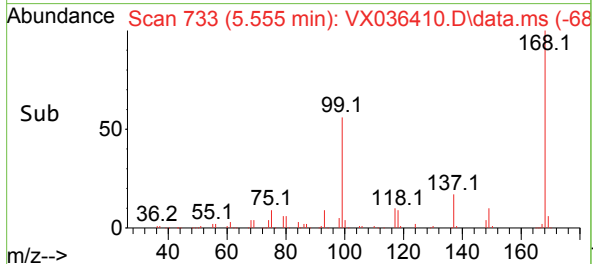
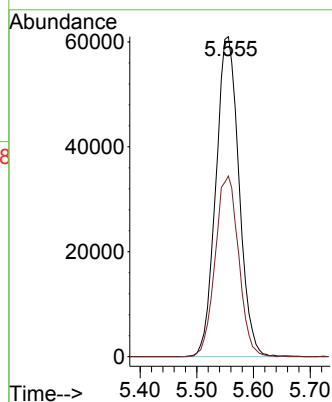
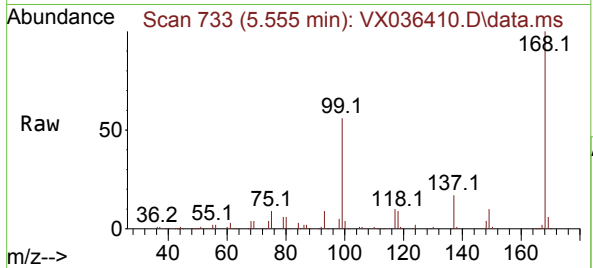




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

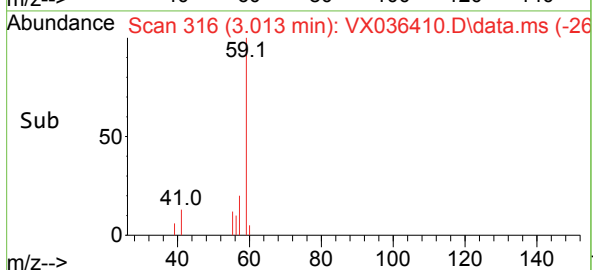
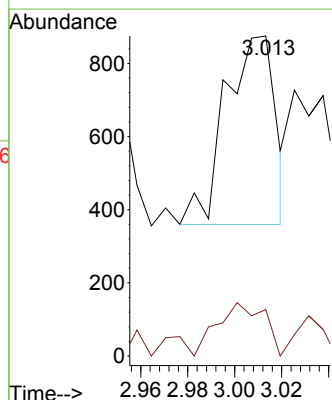
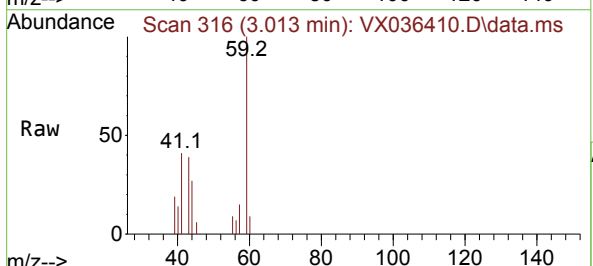
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#11

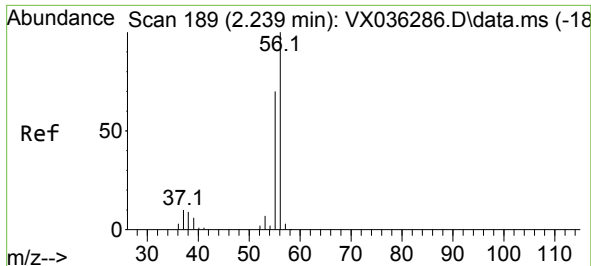
Tgt Ion:168 Resp: 172493
Ion Ratio Lower Upper
168 100
99 56.4 56.6 85.0#



#11
Tert butyl alcohol
Concen: 1.689 ug/l
RT: 3.013 min Scan# 316
Delta R.T. 0.000 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

Tgt Ion: 59 Resp: 760
Ion Ratio Lower Upper
59 100
57 31.6 6.0 9.0#





#13

Acrolein

Concen: 0.694 ug/l

RT: 2.215 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX036410.D

Acq: 05 Jul 2023 17:42

Instrument :

MSVOA_X

ClientSampleId :

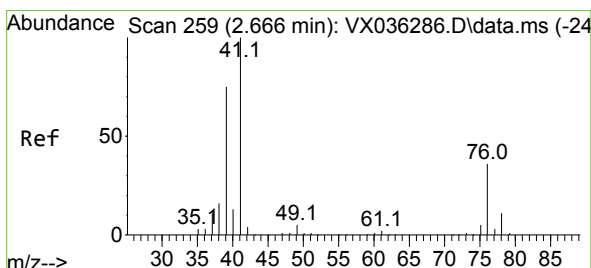
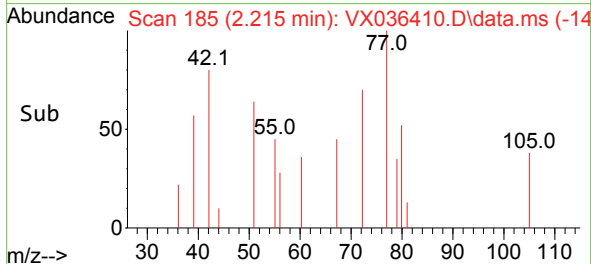
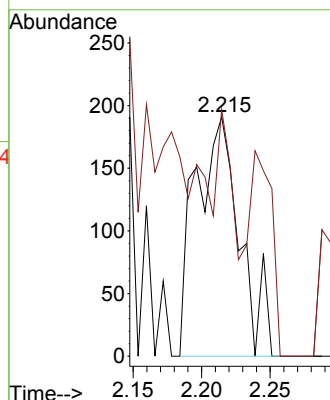
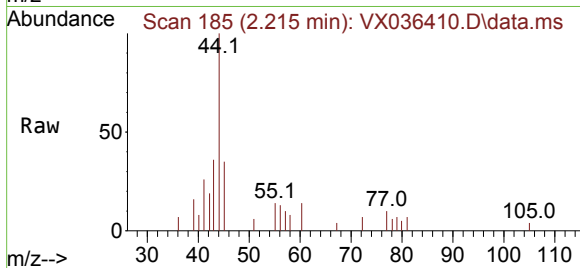
PB153983ZHE#11

Tgt Ion: 56 Resp: 429

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#14

Allyl chloride

Concen: 0.531 ug/l

RT: 2.684 min Scan# 262

Delta R.T. 0.018 min

Lab File: VX036410.D

Acq: 05 Jul 2023 17:42

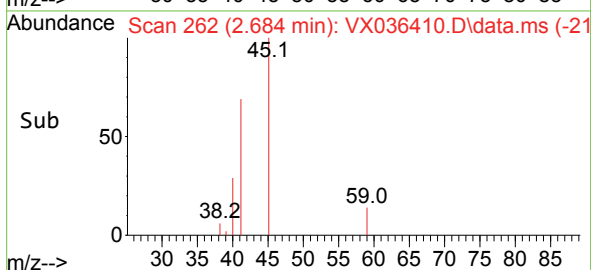
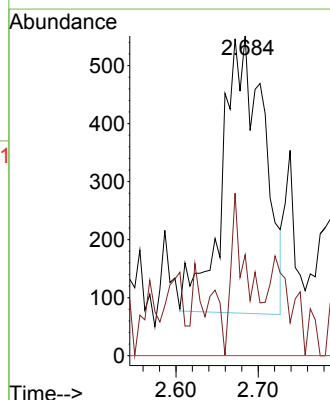
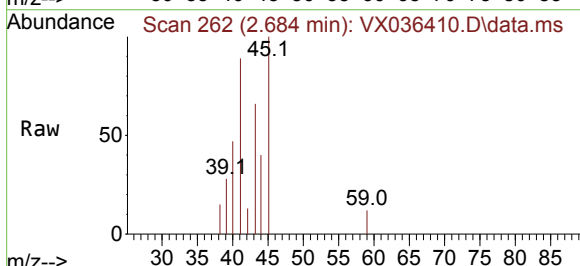
Tgt Ion: 41 Resp: 1693

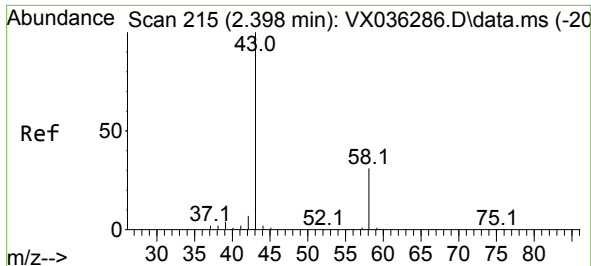
Ion Ratio Lower Upper

41 100

39 22.6 55.8 83.6#

76 0.0 24.3 36.5#

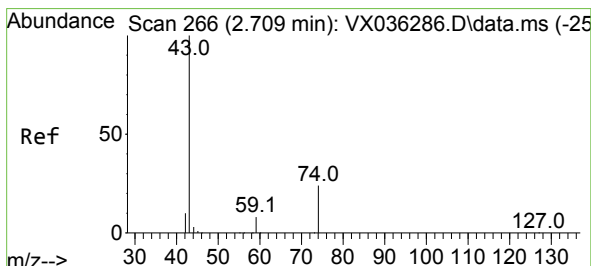
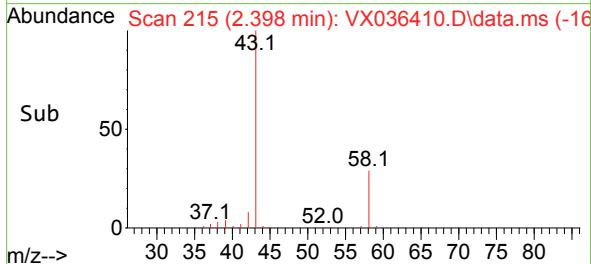
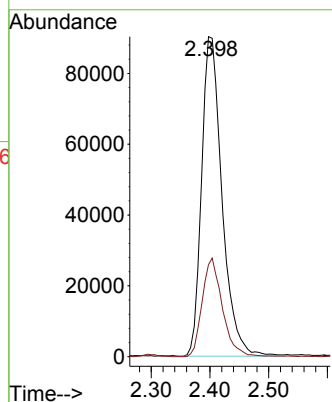
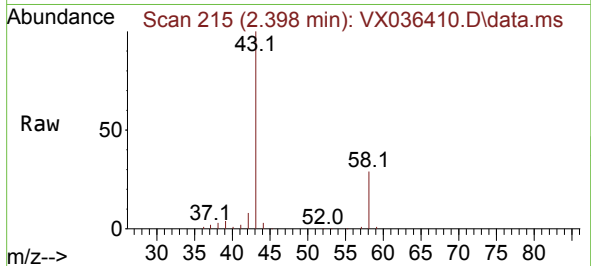




#16
Acetone
Concen: 206.699 ug/l
RT: 2.398 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

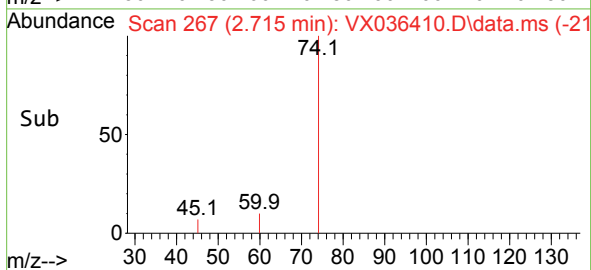
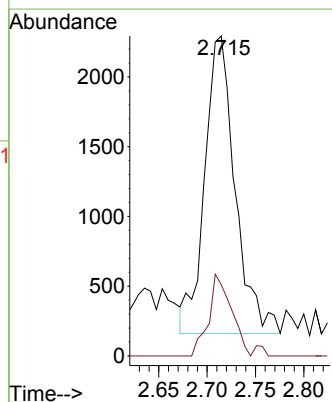
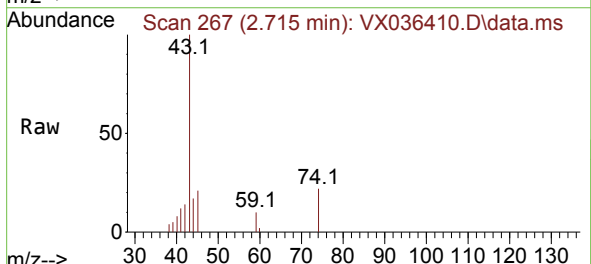
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#11

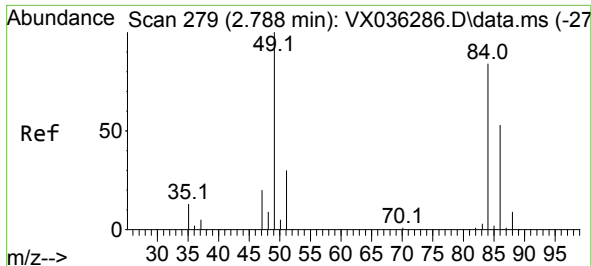
Tgt Ion: 43 Resp: 218449
Ion Ratio Lower Upper
43 100
58 28.9 21.9 32.9



#18
Methyl Acetate
Concen: 1.076 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

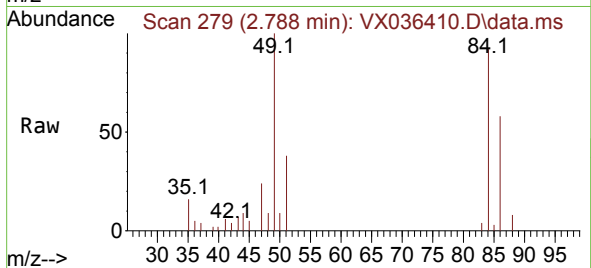
Tgt Ion: 43 Resp: 4676
Ion Ratio Lower Upper
43 100
74 20.5 17.8 26.8



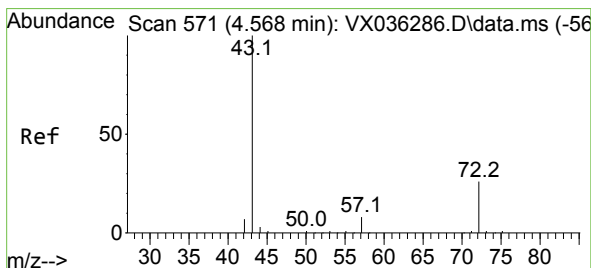
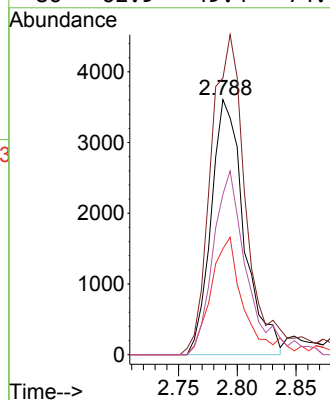
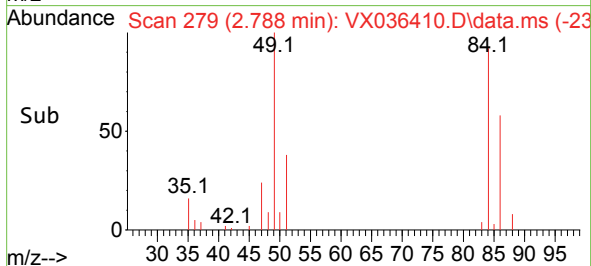


#20
Methylene Chloride
Concen: 3.087 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#11

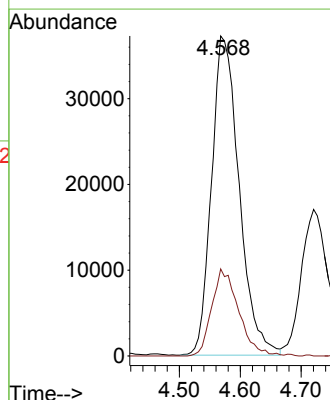
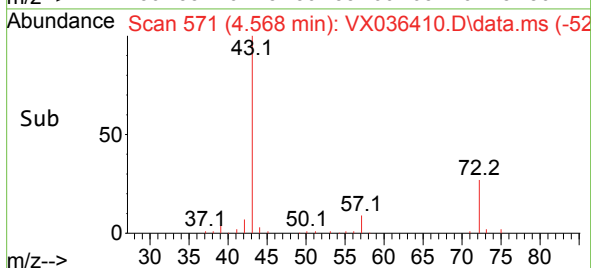
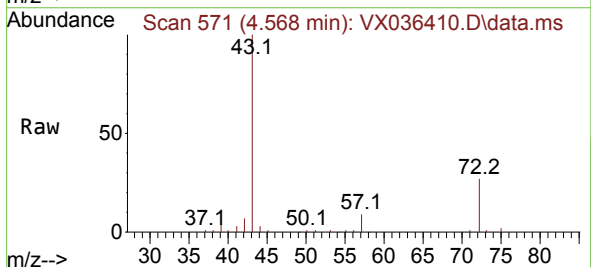


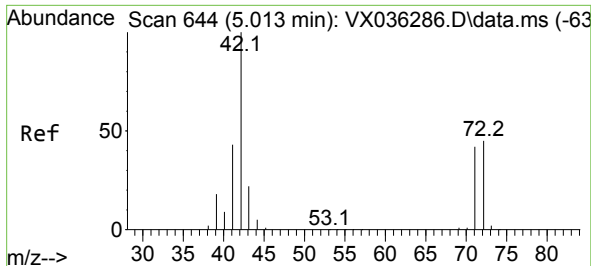
Tgt Ion: 84	Resp: 7024		
Ion	Ratio	Lower	Upper
84	100		
49	108.5	103.6	155.4
51	41.5	33.8	50.6
86	62.9	49.4	74.0



#25
2-Butanone
Concen: 77.035 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.000 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

Tgt Ion: 43	Resp: 116976
Ion Ratio	Lower Upper
43 100	
72 27.3	19.4 29.2





#29

Tetrahydrofuran

Concen: 1.955 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX036410.D

Acq: 05 Jul 2023 17:42

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#11

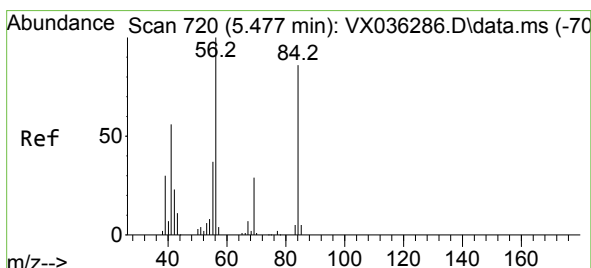
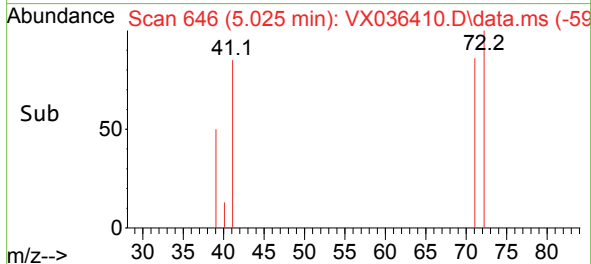
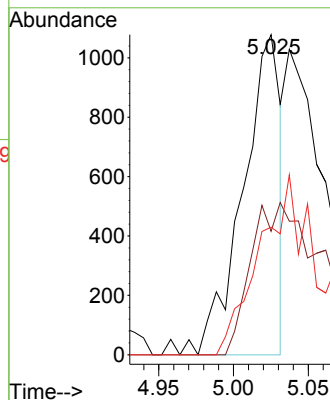
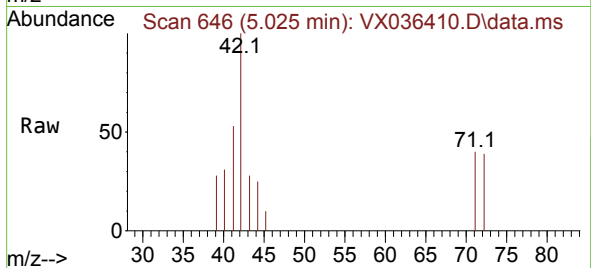
Tgt Ion: 42 Resp: 1890

Ion Ratio Lower Upper

42 100

72 89.2 34.2 51.4#

71 85.2 32.2 48.2#



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 5.555 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX036410.D

Acq: 05 Jul 2023 17:42

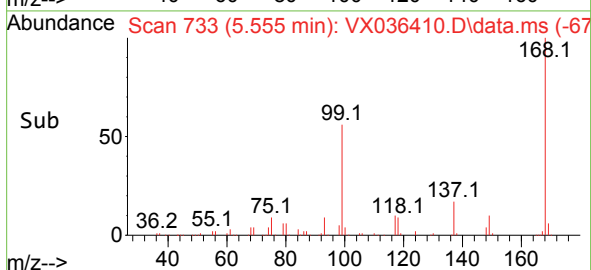
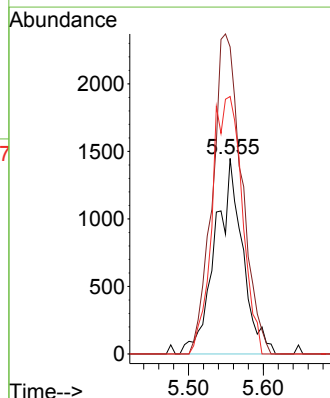
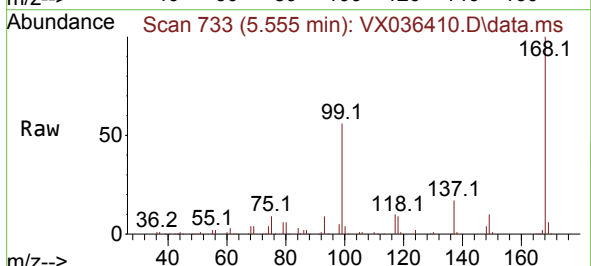
Tgt Ion: 56 Resp: 3713

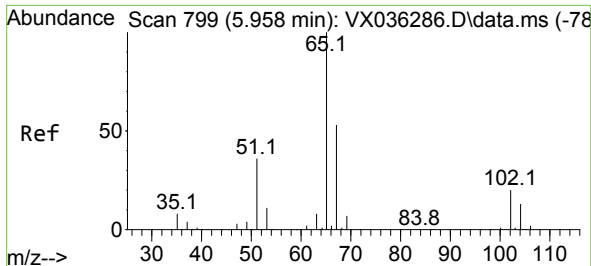
Ion Ratio Lower Upper

56 100

69 157.0 23.4 35.2#

84 131.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.180 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX036410.D

Acq: 05 Jul 2023 17:42

Instrument :

MSVOA_X

ClientSampleId :

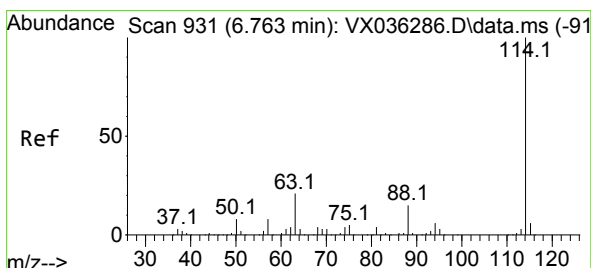
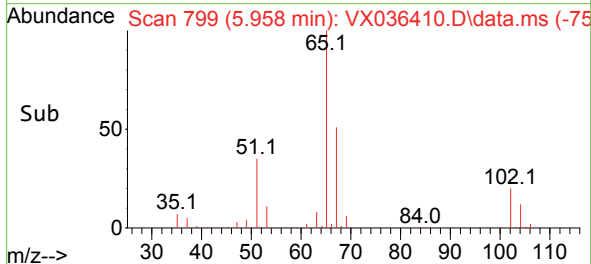
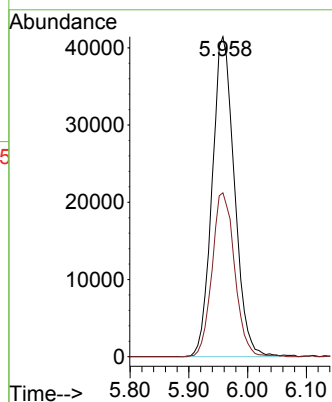
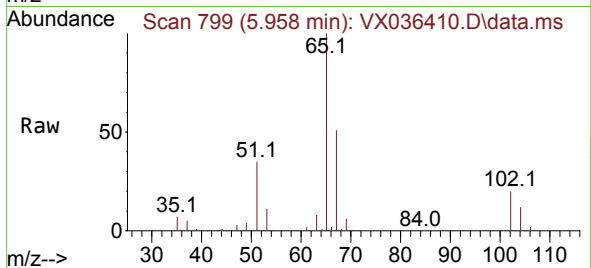
PB153983ZHE#11

Tgt Ion: 65 Resp: 109238

Ion Ratio Lower Upper

65 100

67 51.7 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: VX036410.D

Acq: 05 Jul 2023 17:42

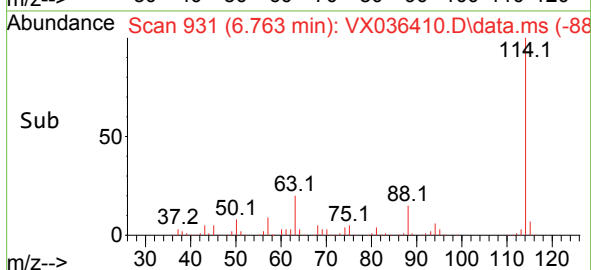
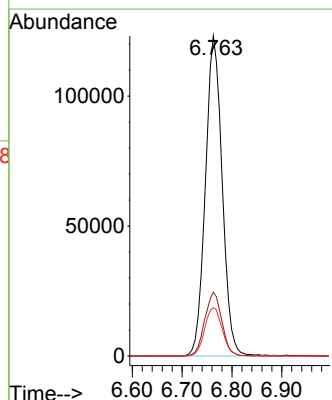
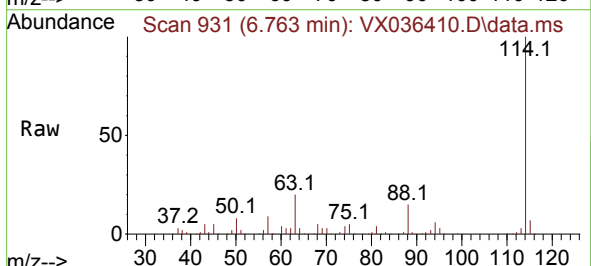
Tgt Ion: 114 Resp: 288034

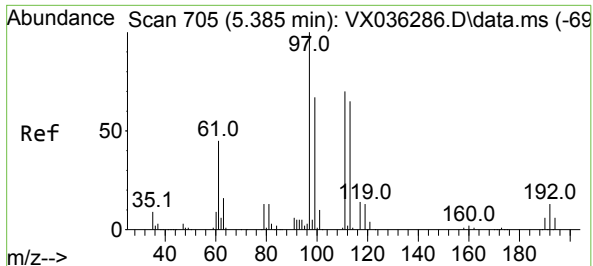
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

88 15.1 0.0 36.6

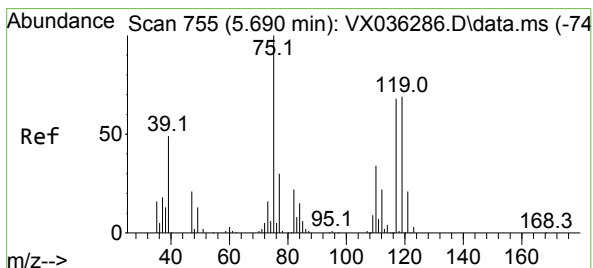
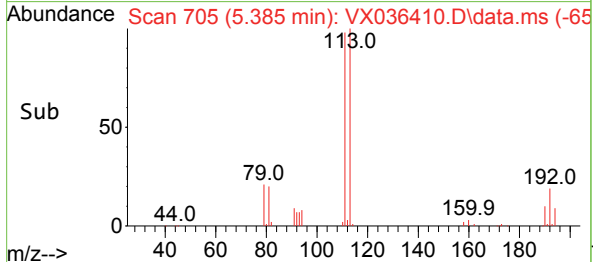
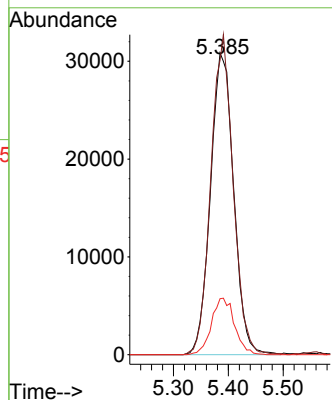
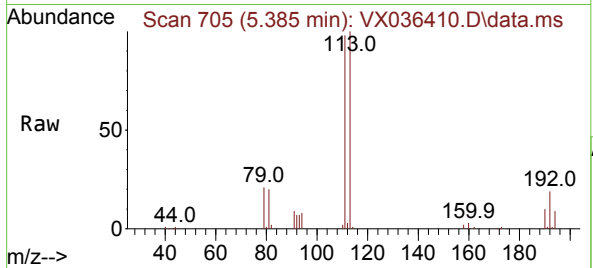




#35
Dibromofluoromethane
Concen: 47.769 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

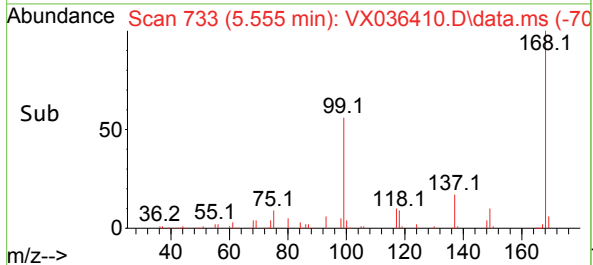
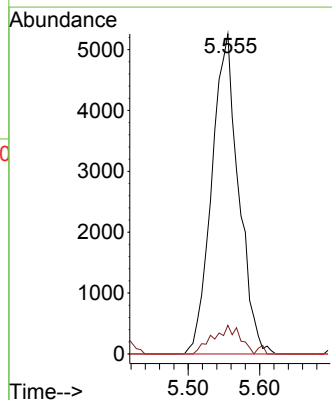
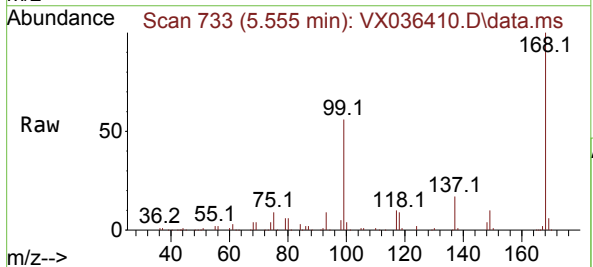
Instrument :
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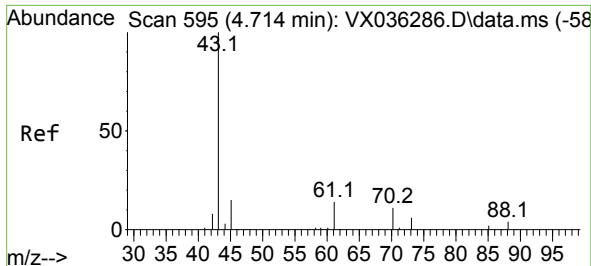
Tgt Ion:113 Resp: 90723
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.847 ug/l
RT: 5.555 min Scan# 733
Delta R.T. -0.141 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

Tgt Ion: 75 Resp: 13723
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 18.313 ug/l

RT: 4.720 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX036410.D

Acq: 05 Jul 2023 17:42

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#11

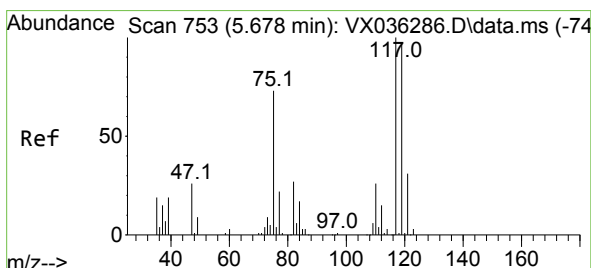
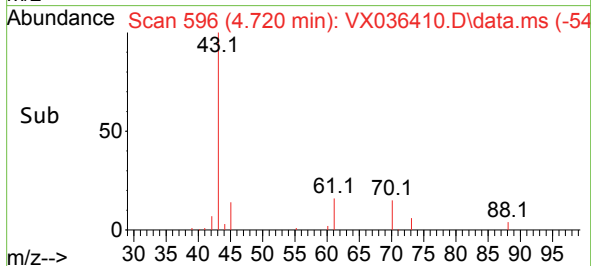
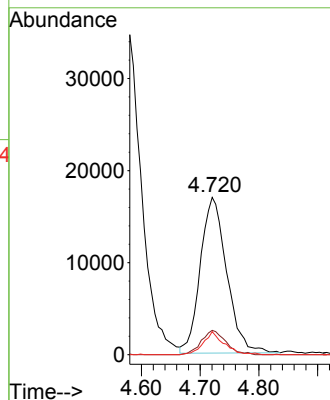
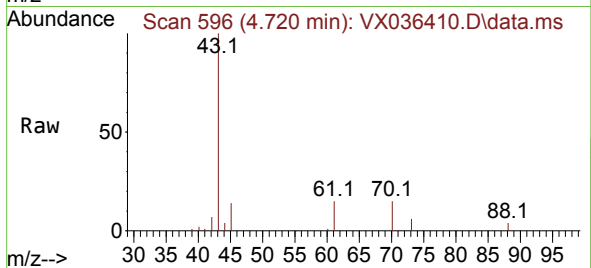
Tgt Ion: 43 Resp: 52842

Ion Ratio Lower Upper

43 100

61 14.4 10.6 16.0

70 11.7 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.737 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.129 min

Lab File: VX036410.D

Acq: 05 Jul 2023 17:42

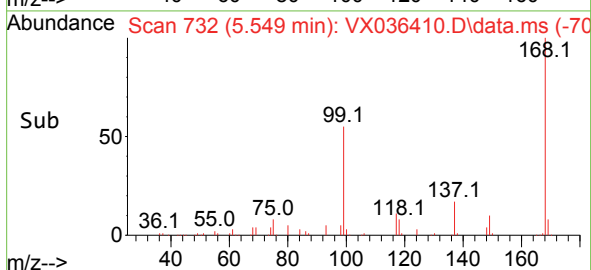
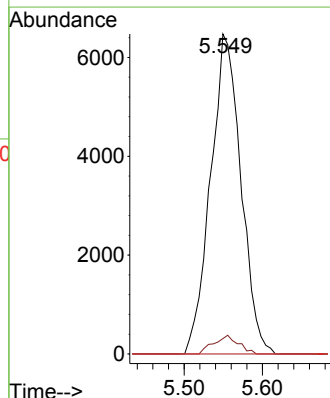
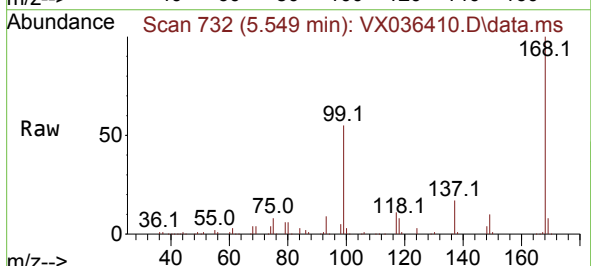
Tgt Ion: 117 Resp: 17419

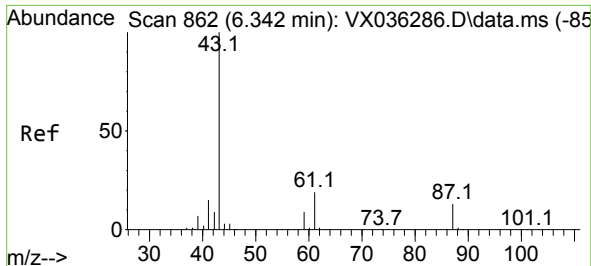
Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.2#

121 0.0 24.4 36.6#

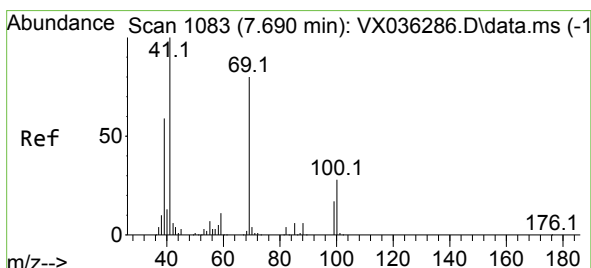
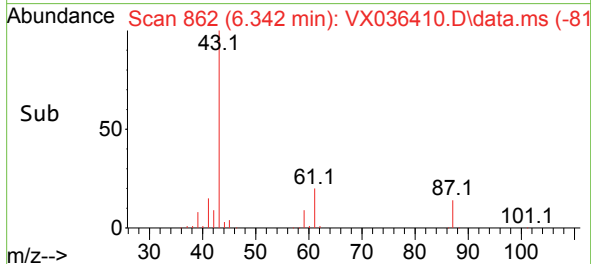
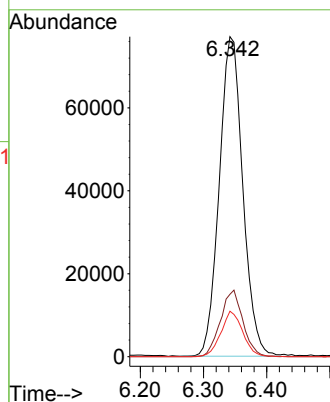
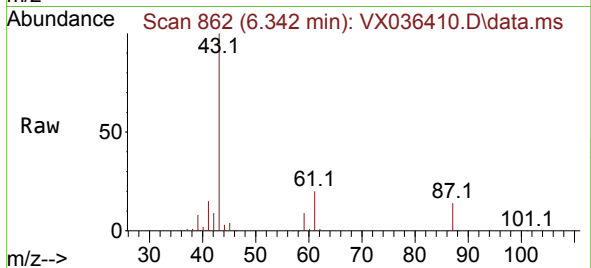




#43
Isopropyl Acetate
Concen: 43.174 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

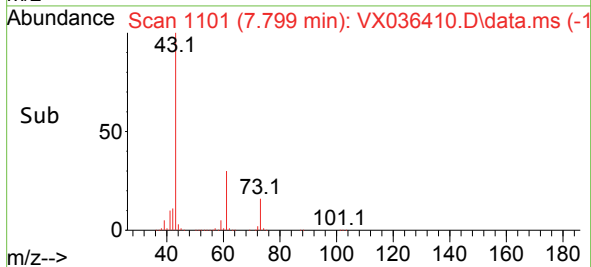
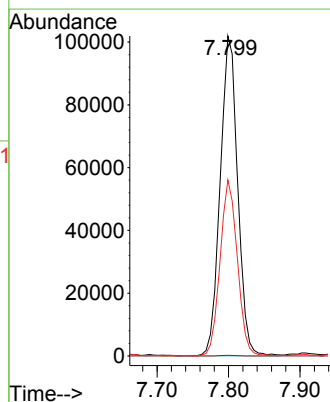
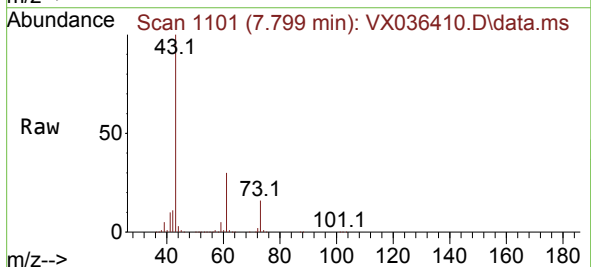
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#11

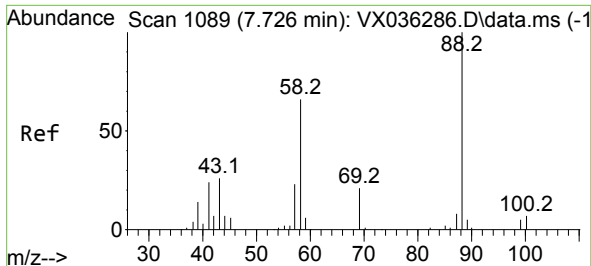
Tgt Ion: 43 Resp: 198731
Ion Ratio Lower Upper
43 100
61 19.9 15.2 22.8
87 13.2 9.8 14.6



#48
Methyl methacrylate
Concen: 75.549 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

Tgt Ion: 41 Resp: 173392
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.2 47.7 71.5

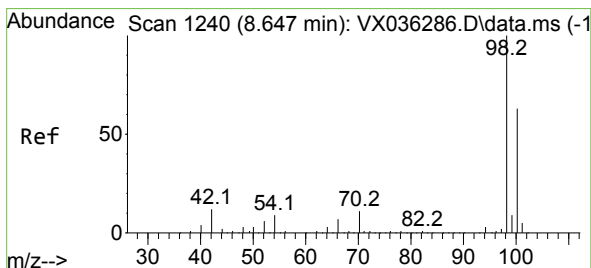
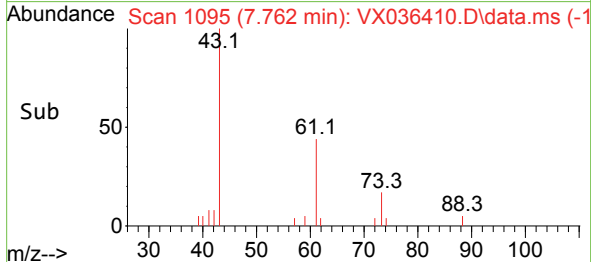
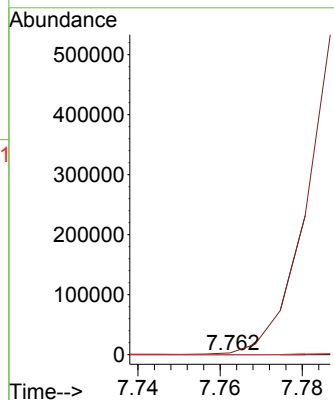
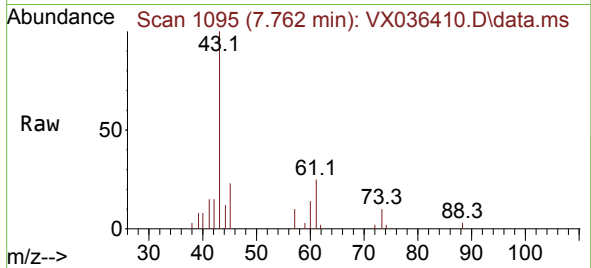




#49
1,4-Dioxane
Concen: 1.061 ug/l
RT: 7.762 min Scan# 1095
Delta R.T. 0.030 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

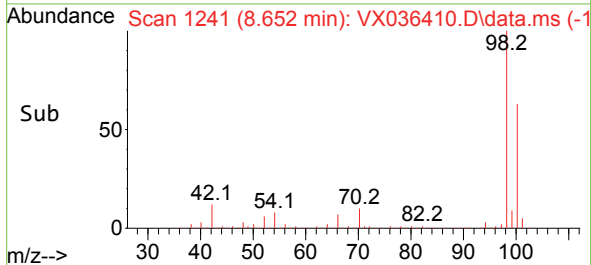
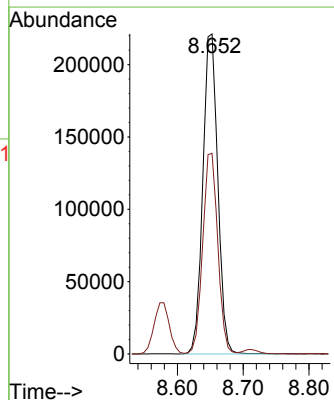
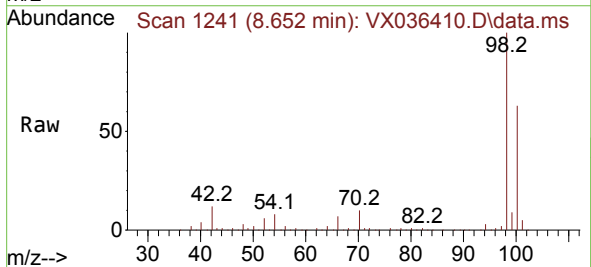
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#11

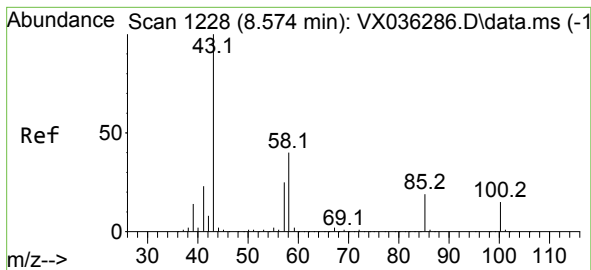
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 49.283 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

Tgt Ion: 98 Resp: 349592
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 177.648 ug/l

RT: 8.573 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX036410.D

Acq: 05 Jul 2023 17:42

Instrument :

MSVOA_X

ClientSampleId :

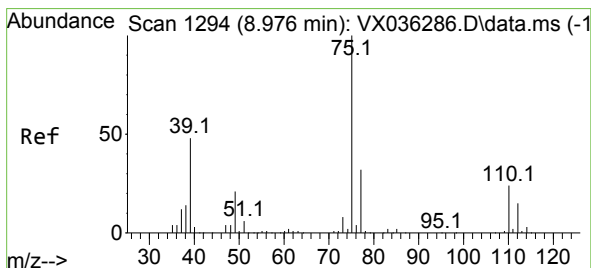
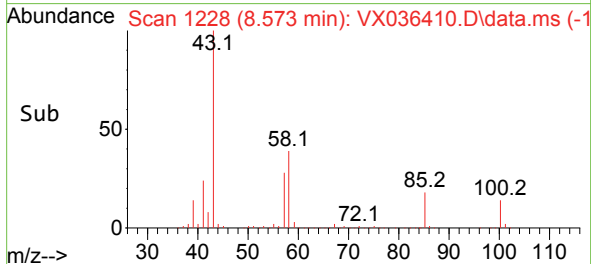
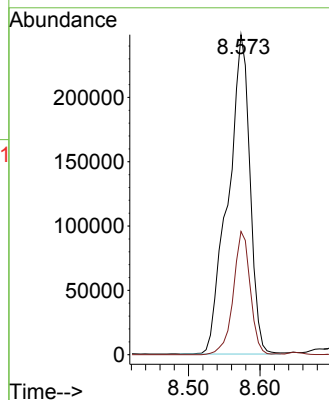
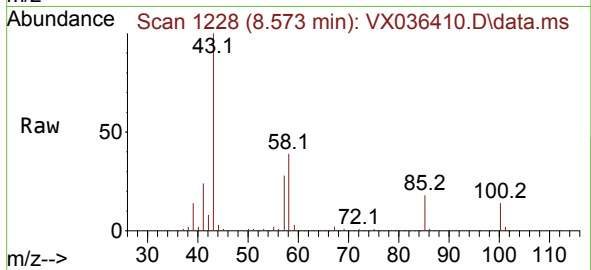
PB153983ZHE#11

Tgt Ion: 43 Resp: 526829

Ion Ratio Lower Upper

43 100

58 30.1 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 0.393 ug/l

RT: 8.957 min Scan# 1291

Delta R.T. -0.019 min

Lab File: VX036410.D

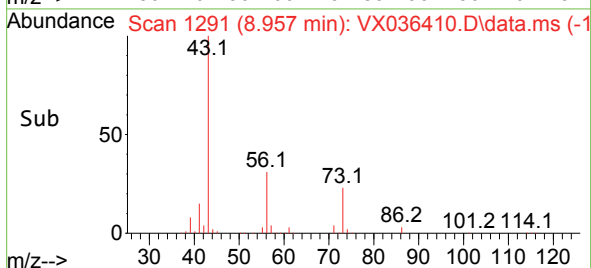
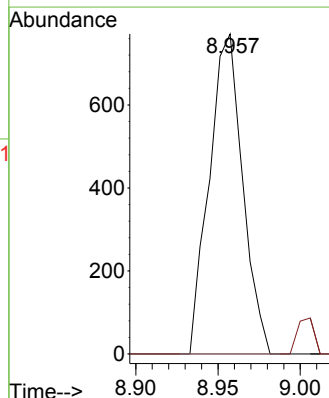
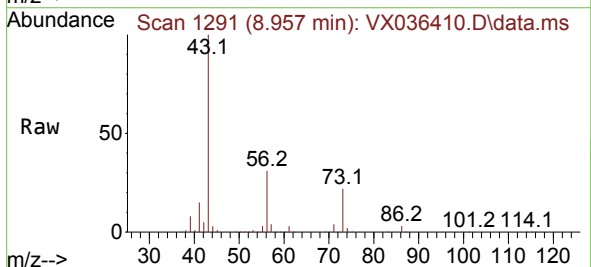
Acq: 05 Jul 2023 17:42

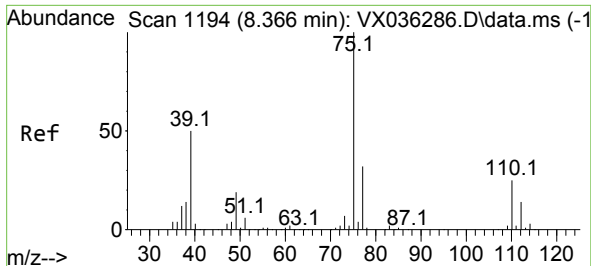
Tgt Ion: 75 Resp: 1088

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

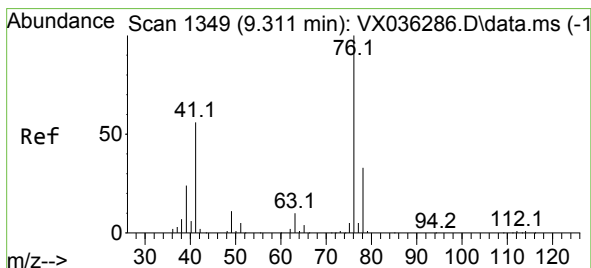
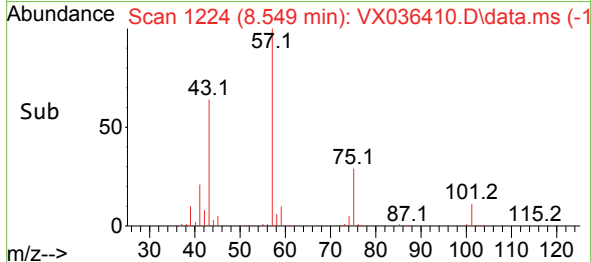
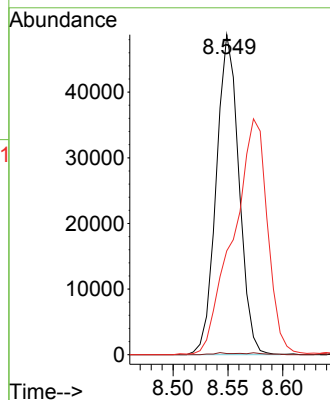
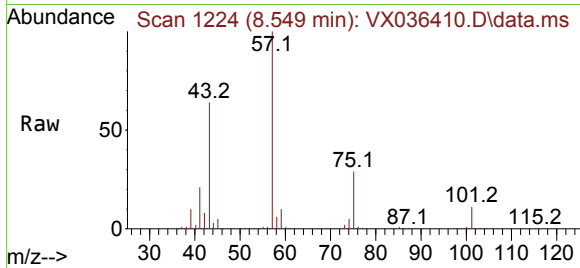




#54
 cis-1,3-Dichloropropene
 Concen: 22.460 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036410.D
 Acq: 05 Jul 2023 17:42

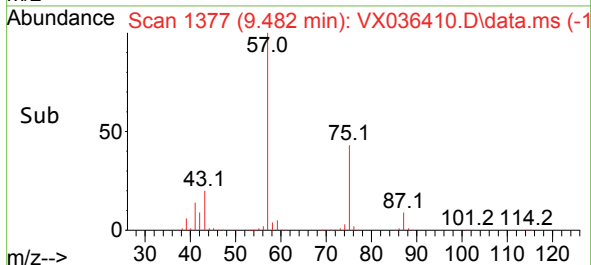
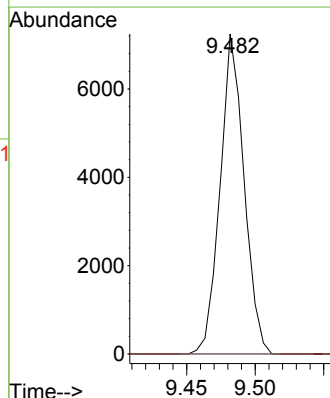
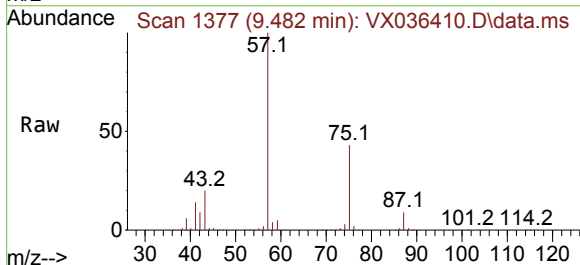
Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#11

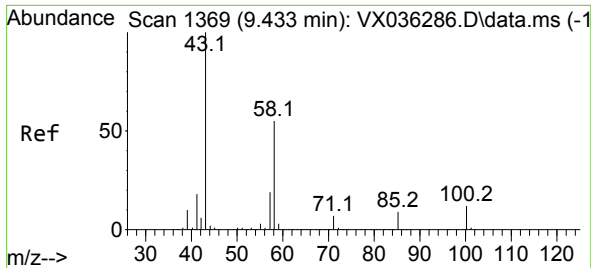
Tgt Ion: 75 Resp: 70320
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 32.2 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 2.463 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036410.D
 Acq: 05 Jul 2023 17:42

Tgt Ion: 76 Resp: 8793
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

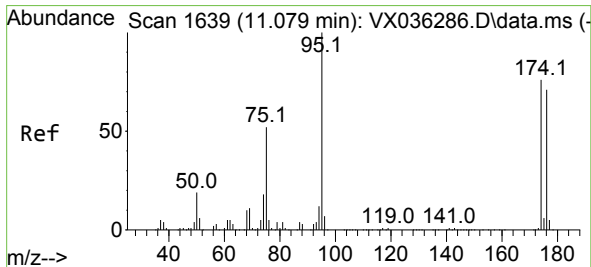
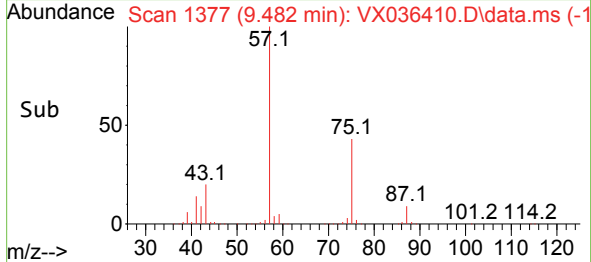
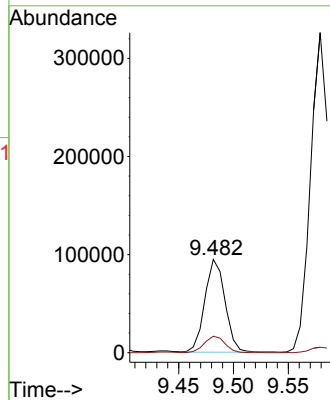
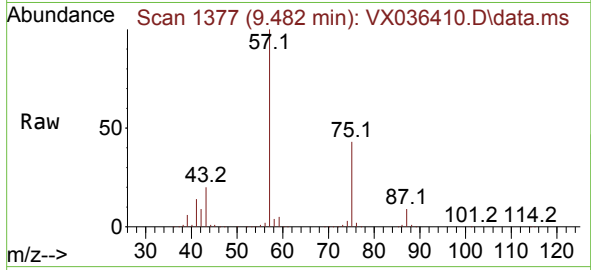




#59
2-Hexanone
Concen: 55.984 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

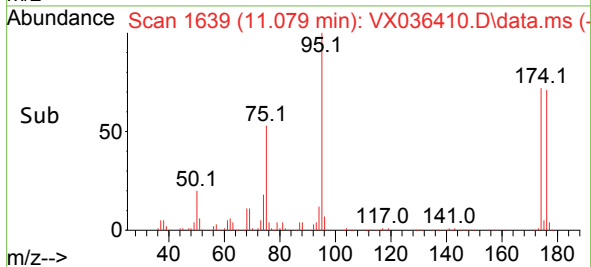
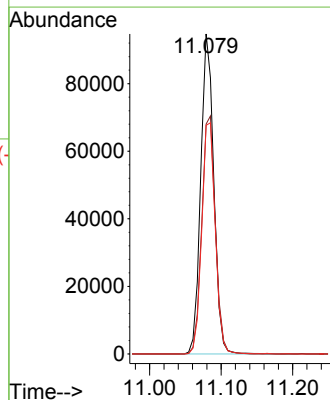
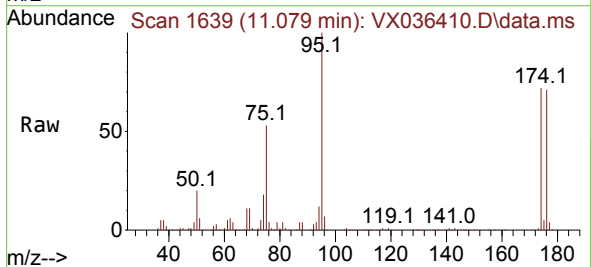
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#11

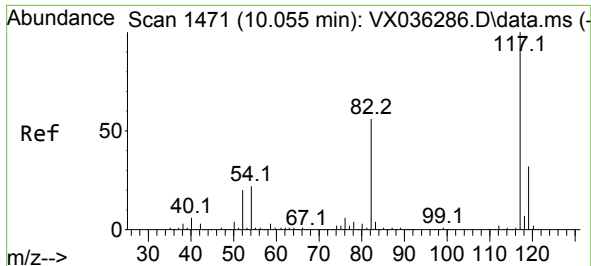
Tgt Ion: 43 Resp: 121240
Ion Ratio Lower Upper
43 100
58 18.2 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 47.950 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

Tgt Ion: 95 Resp: 119807
Ion Ratio Lower Upper
95 100
174 77.7 0.0 135.6
176 74.8 0.0 131.0

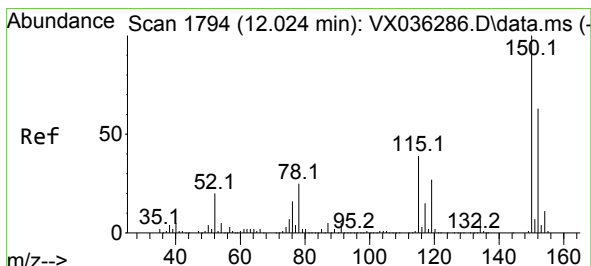
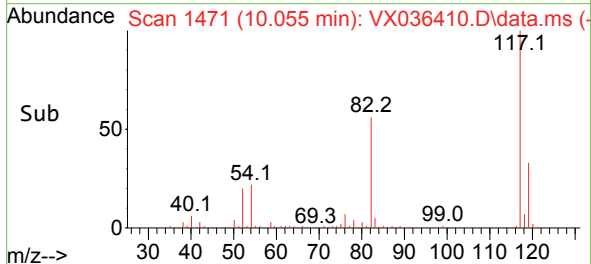
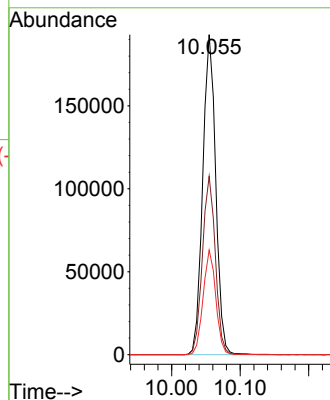
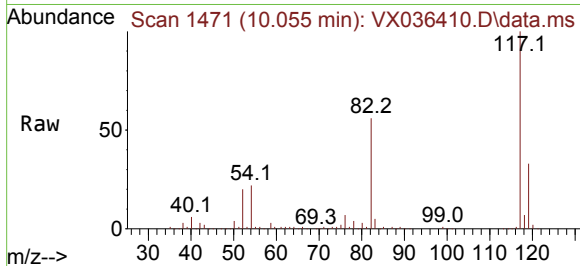




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

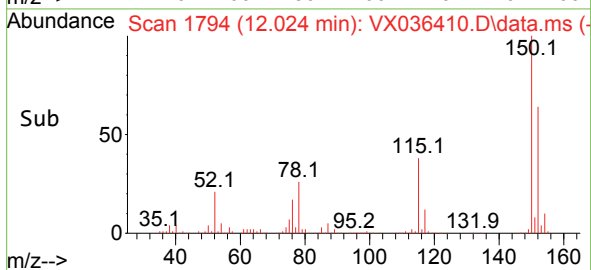
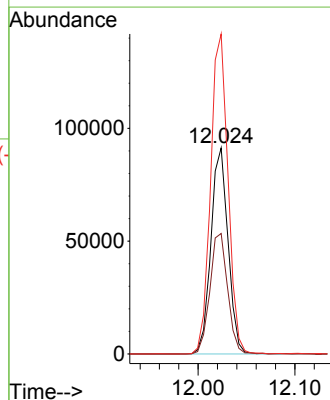
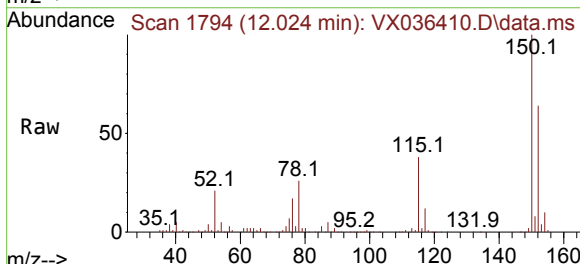
Instrument :
MSVOA_X
ClientSampleId :
PB153983ZHE#11

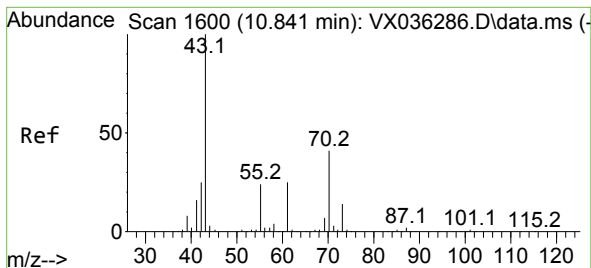
Tgt Ion:117 Resp: 254964
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX036410.D
Acq: 05 Jul 2023 17:42

Tgt Ion:152 Resp: 112598
Ion Ratio Lower Upper
152 100
115 60.6 43.3 129.9
150 157.5 0.0 345.0





#74

N-amy1 acetate

Concen: 14.663 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX036410.D

Acq: 05 Jul 2023 17:42

Instrument :

MSVOA_X

ClientSampleId :

PB153983ZHE#11

Tgt Ion: 43 Resp: 49215

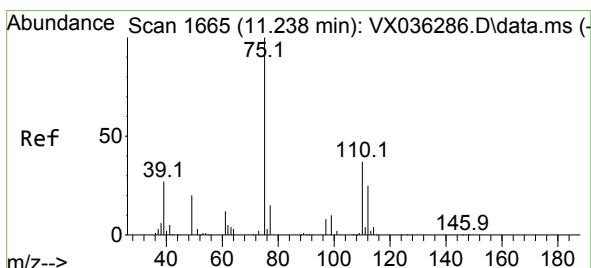
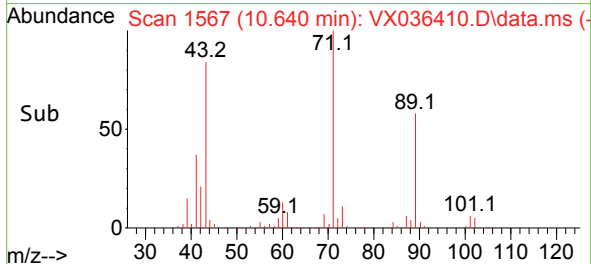
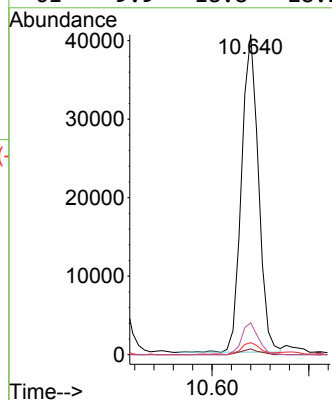
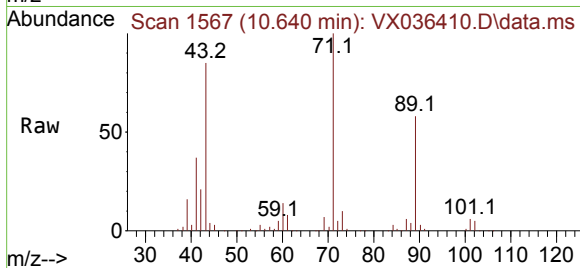
Ion Ratio Lower Upper

43 100

70 2.0 32.9 49.3#

55 4.2 19.3 28.9#

61 9.9 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.849 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036410.D

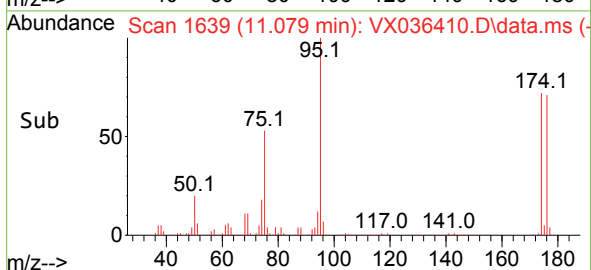
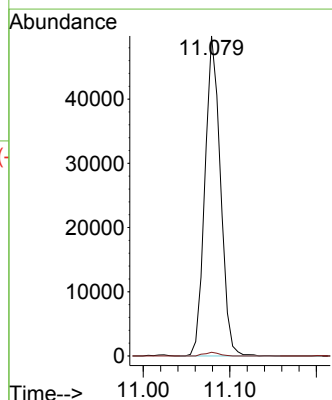
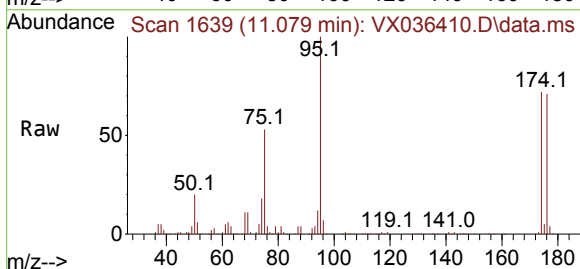
Acq: 05 Jul 2023 17:42

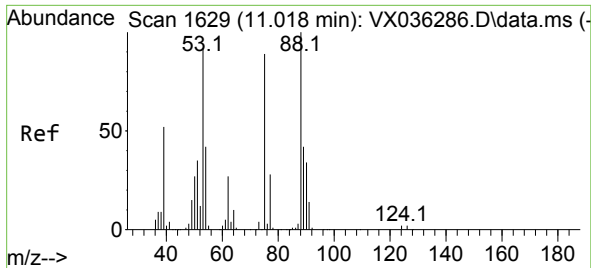
Tgt Ion: 75 Resp: 62082

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.260 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036410.D
 Acq: 05 Jul 2023 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153983ZHE#11

Tgt Ion: 75 Resp: 62082
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

