

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111022\
 Data File : VN075234.D
 Acq On : 10 Nov 2022 14:58
 Operator : JC\MD
 Sample : N5538-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-A-WEST

Quant Time: Nov 11 04:11:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

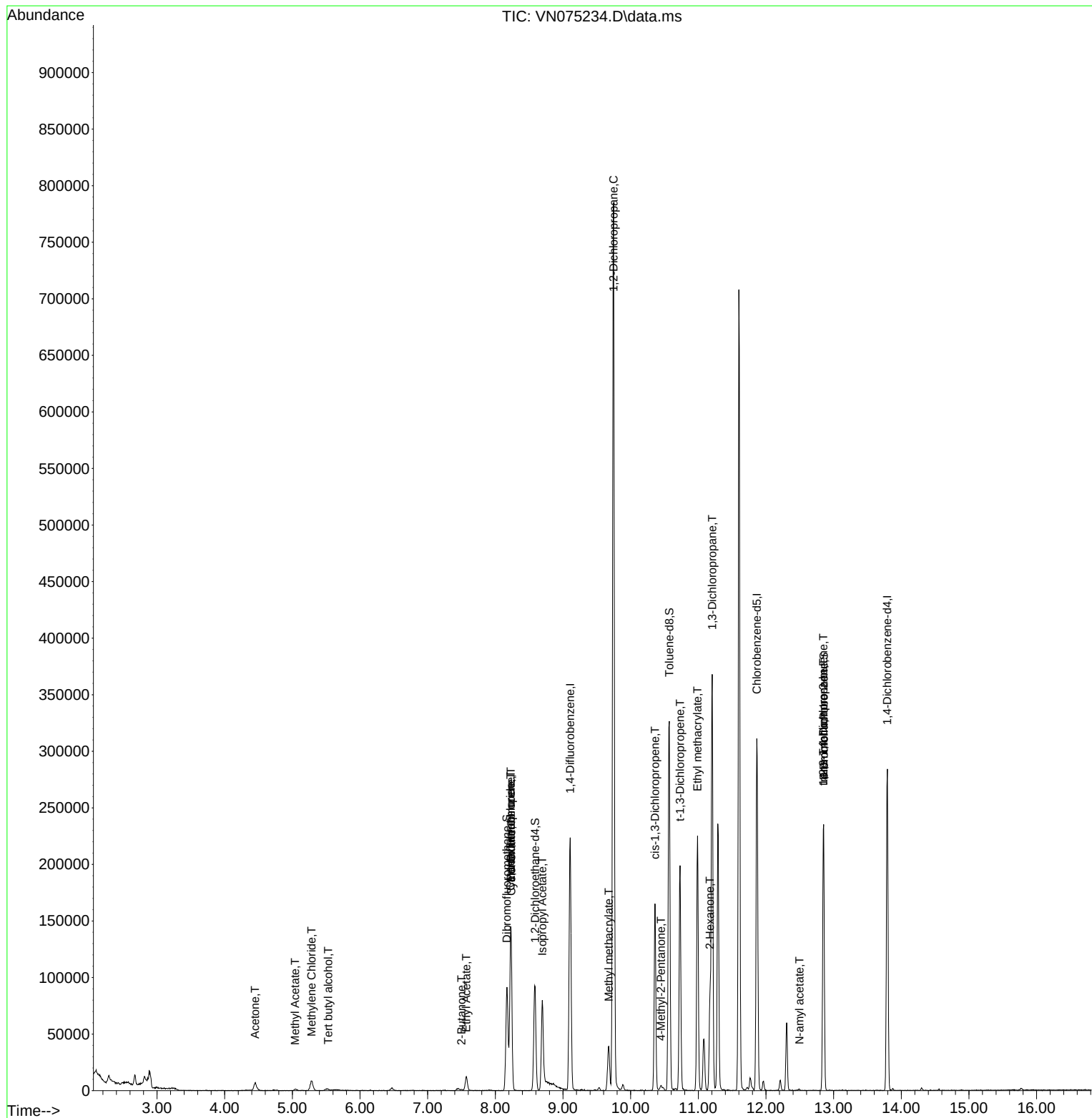
Internal Standards						
1) Pentafluorobenzene	8.230	168	103091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	201458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	186152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	78224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	76338	54.958	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.920%	
35) Dibromofluoromethane	8.171	113	64520	54.555	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.100%	
50) Toluene-d8	10.571	98	233634	50.918	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.840%	
62) 4-Bromofluorobenzene	12.853	95	81559	50.601	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.200%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	153	Below Cal		92
11) Tert butyl alcohol	5.530	59	352	1.087	ug/l #	72
16) Acetone	4.447	43	12888	21.913	ug/l	95
18) Methyl Acetate	5.042	43	2363	1.230	ug/l	98
20) Methylene Chloride	5.283	84	7113	5.424	ug/l #	91
25) 2-Butanone	7.500	43	1449	1.566	ug/l	98
31) Cyclohexane	8.235	56	2210	1.070	ug/l #	18
36) 1,1-Dichloropropene	8.230	75	9094	4.967	ug/l #	49
37) Ethyl Acetate	7.571	43	16847	8.390	ug/l	97
38) Carbon Tetrachloride	8.224	117	11407	5.664	ug/l #	15
43) Isopropyl Acetate	8.694	43	85284	27.382	ug/l #	89
45) 1,2-Dichloropropane	9.747	63	1137	0.852	ug/l #	42
48) Methyl methacrylate	9.677	41	2267	1.587	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	5527	2.750	ug/l #	68
53) t-1,3-Dichloropropene	10.729	75	435	0.205	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	31524	13.989	ug/l #	66
56) Ethyl methacrylate	10.988	69	732	0.323	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4042	1.633	ug/l #	42
59) 2-Hexanone	11.171	43	64746	42.444	ug/l #	21
71) Bromoform	12.853	173	796	0.721	ug/l #	1
74) N-amyl acetate	12.494	43	496	0.214	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	42523	25.602	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	42523	65.721	ug/l #	10

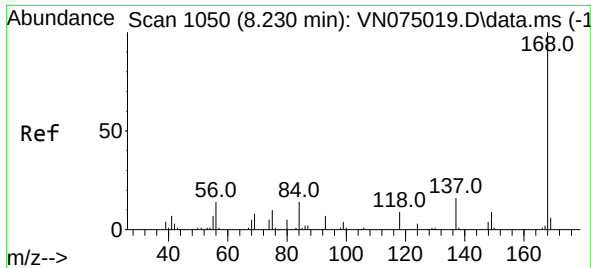
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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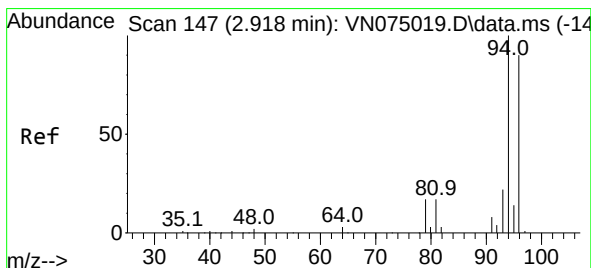
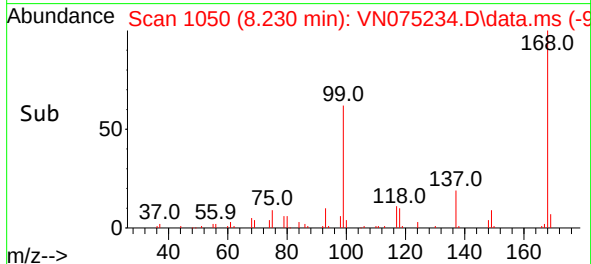
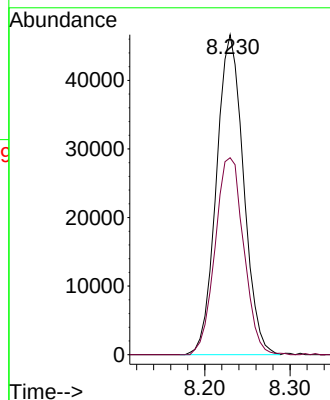
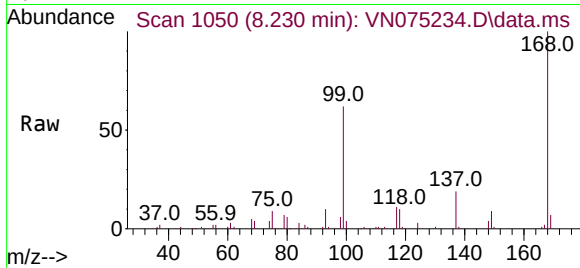




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

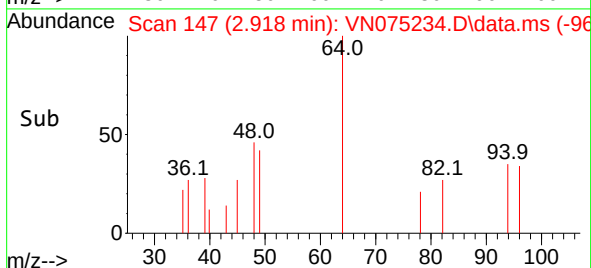
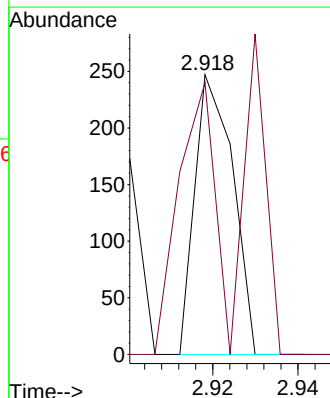
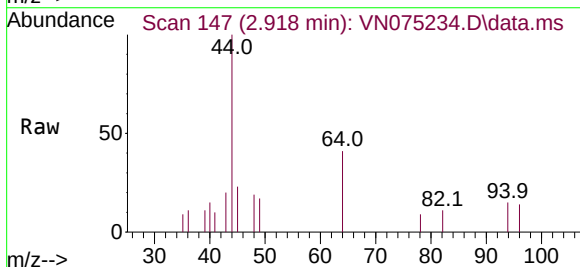
Instrument :
MSVOA_N
ClientSampleId :
TP-14-A-WEST

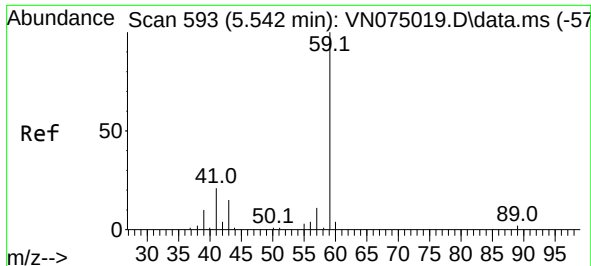
Tgt Ion:168 Resp: 103091
Ion Ratio Lower Upper
168 100
99 61.6 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

Tgt Ion: 94 Resp: 153
Ion Ratio Lower Upper
94 100
96 97.2 71.8 107.6

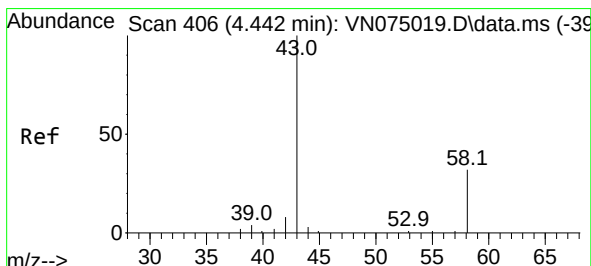
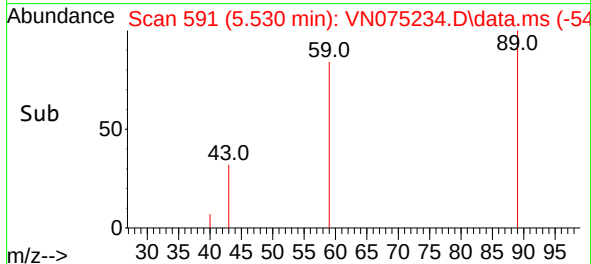
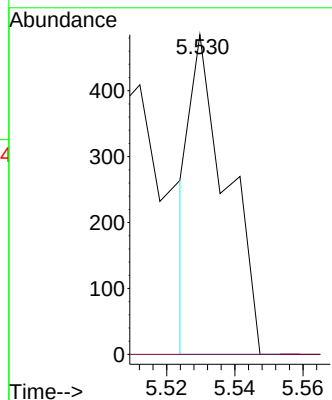
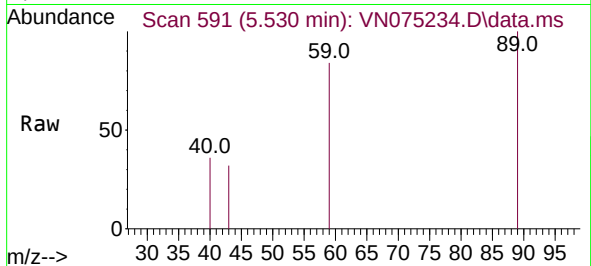




#11
Tert butyl alcohol
Concen: 1.087 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.012 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

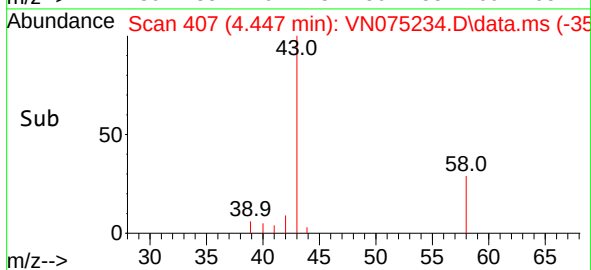
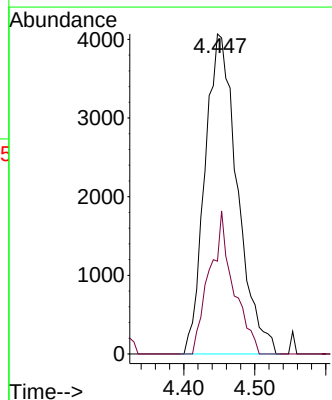
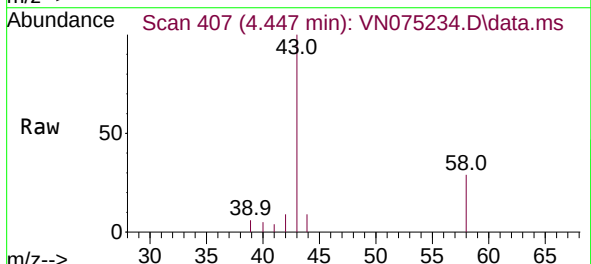
Instrument :
MSVOA_N
ClientSampleId :
TP-14-A-WEST

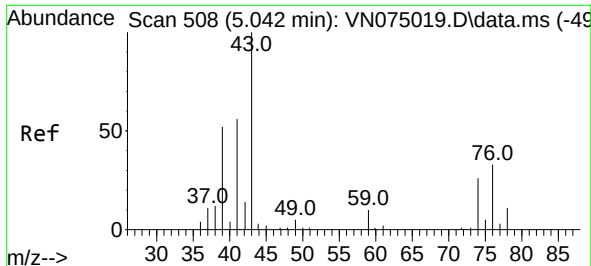
Tgt Ion: 59 Resp: 352
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 21.913 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.005 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

Tgt Ion: 43 Resp: 12888
Ion Ratio Lower Upper
43 100
58 29.0 25.5 38.3

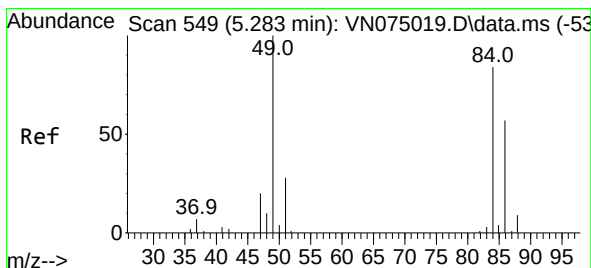
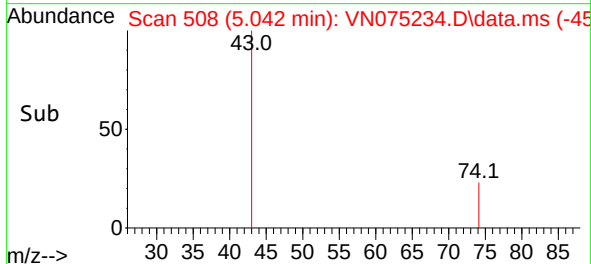
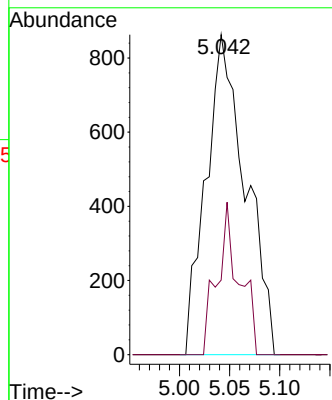
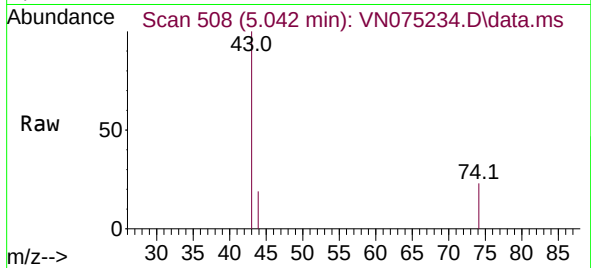




#18
Methyl Acetate
Concen: 1.230 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

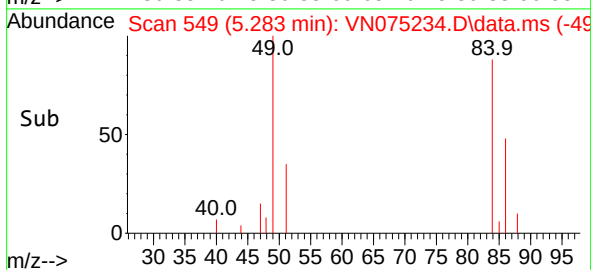
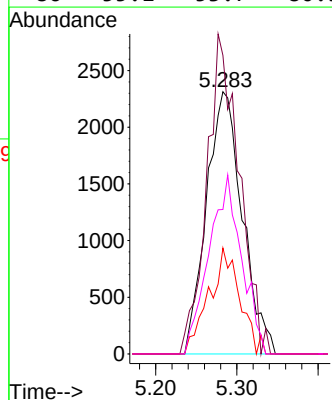
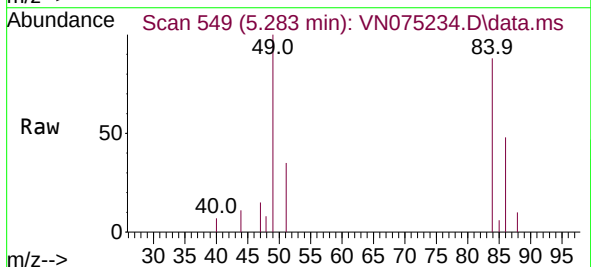
Instrument :
MSVOA_N
ClientSampleId :
TP-14-A-WEST

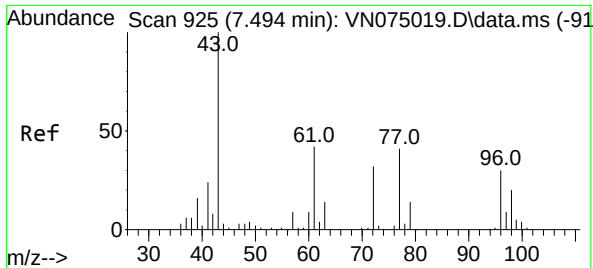
Tgt Ion: 43 Resp: 2363
Ion Ratio Lower Upper
43 100
74 26.5 22.0 33.0



#20
Methylene Chloride
Concen: 5.424 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

Tgt Ion: 84 Resp: 7113
Ion Ratio Lower Upper
84 100
49 113.8 94.9 142.3
51 40.4 26.8 40.2#
86 55.1 53.7 80.5

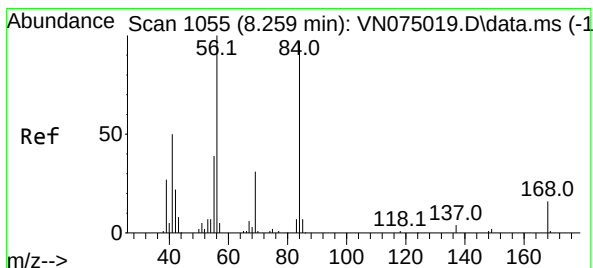
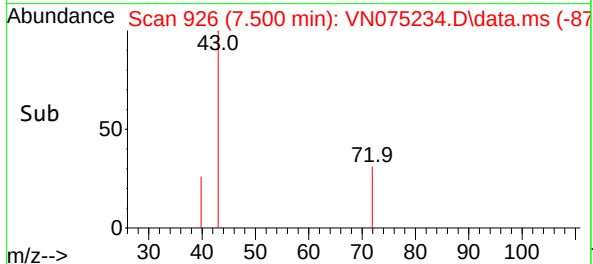
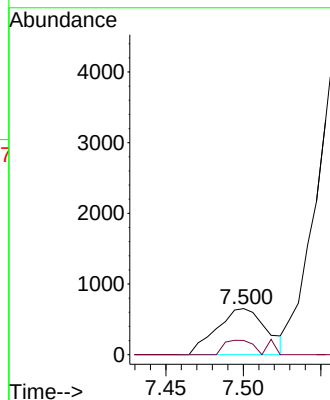
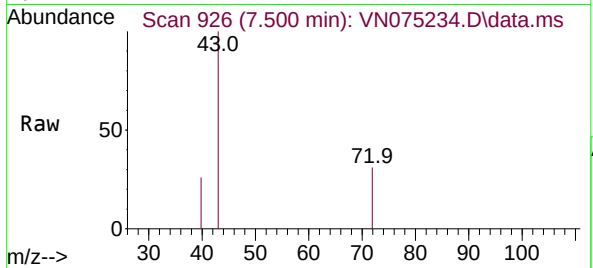




#25
2-Butanone
Concen: 1.566 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

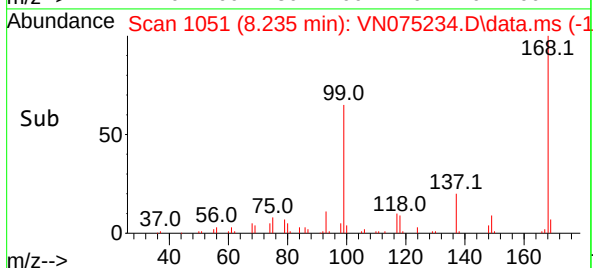
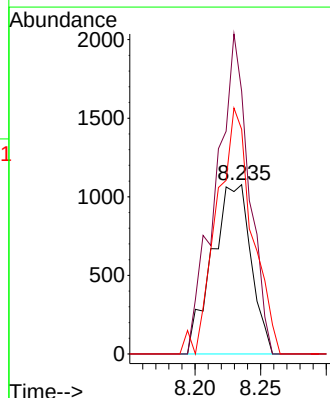
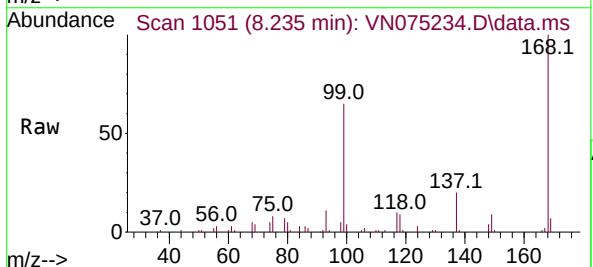
Instrument :
MSVOA_N
ClientSampleId :
TP-14-A-WEST

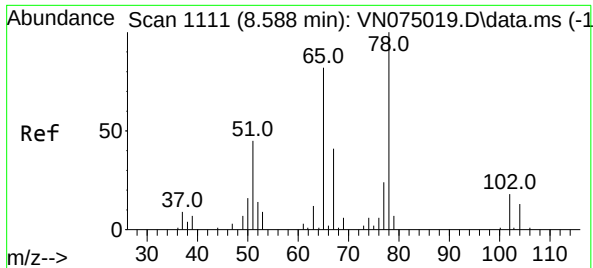
Tgt Ion: 43 Resp: 1449
Ion Ratio Lower Upper
43 100
72 31.0 25.5 38.3



#31
Cyclohexane
Concen: 1.070 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

Tgt Ion: 56 Resp: 2210
Ion Ratio Lower Upper
56 100
69 155.2 25.2 37.8#
84 132.7 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 54.958 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VN075234.D

Acq: 10 Nov 2022 14:58

Instrument :

MSVOA_N

ClientSampleId :

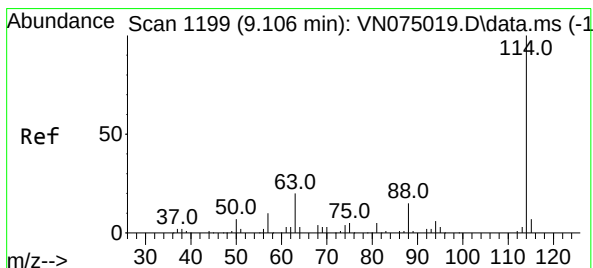
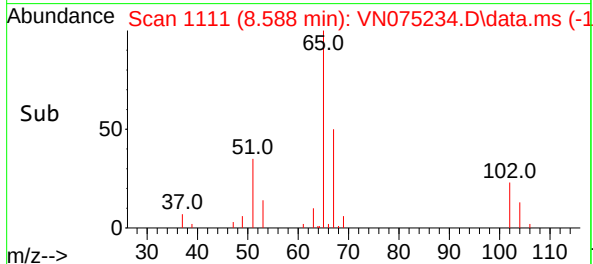
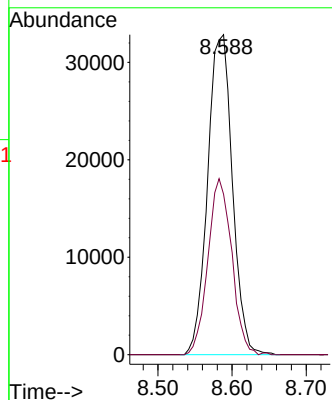
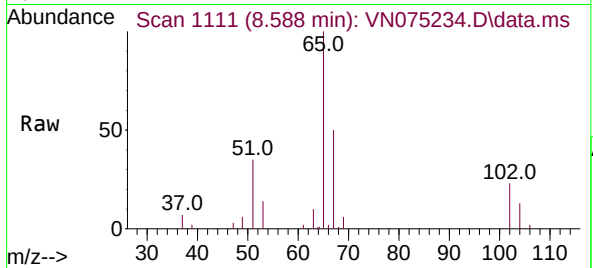
TP-14-A-WEST

Tgt Ion: 65 Resp: 76338

Ion Ratio Lower Upper

65 100

67 52.9 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075234.D

Acq: 10 Nov 2022 14:58

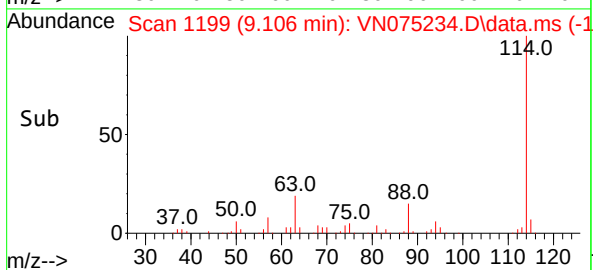
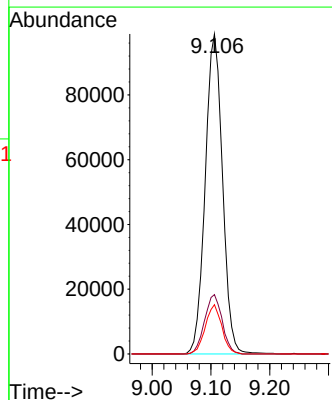
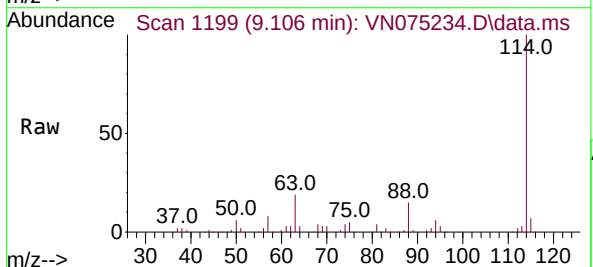
Tgt Ion: 114 Resp: 201458

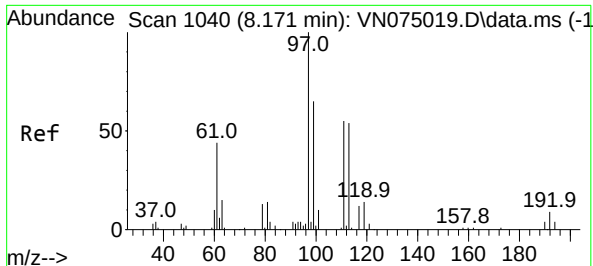
Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 15.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 54.555 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075234.D

Acq: 10 Nov 2022 14:58

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MSVOA_N

ClientSampleId :

TP-14-A-WEST

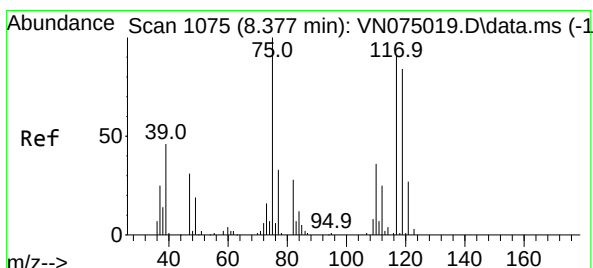
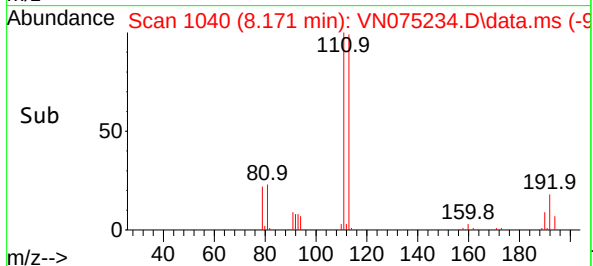
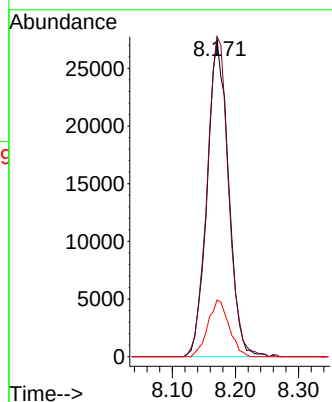
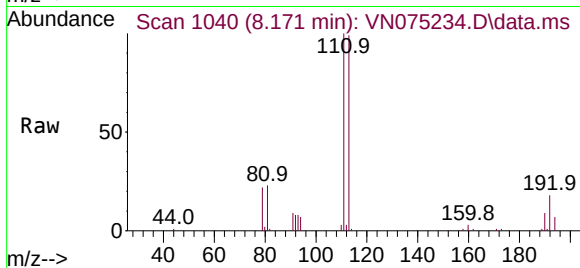
Tgt Ion:113 Resp: 64520

Ion Ratio Lower Upper

113 100

111 102.0 80.5 120.7

192 17.7 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.967 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075234.D

Acq: 10 Nov 2022 14:58

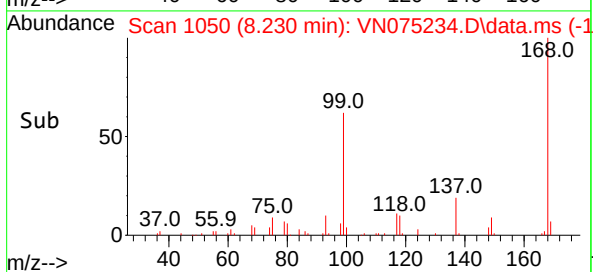
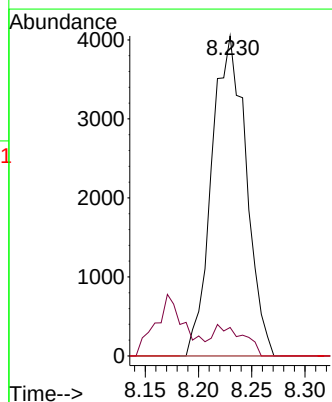
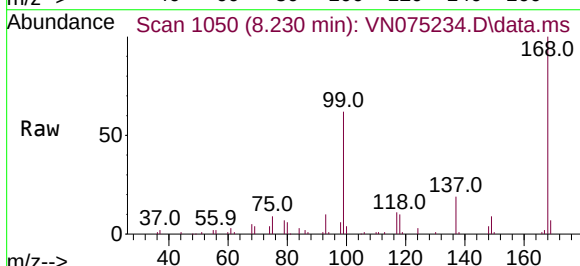
Tgt Ion: 75 Resp: 9094

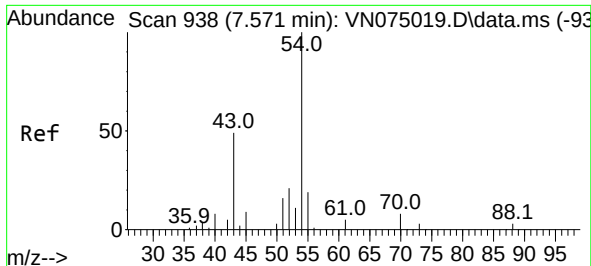
Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.3#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 8.390 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN075234.D

Acq: 10 Nov 2022 14:58

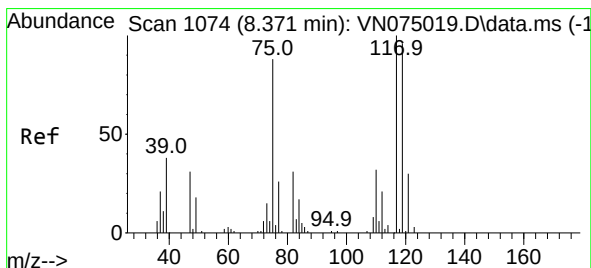
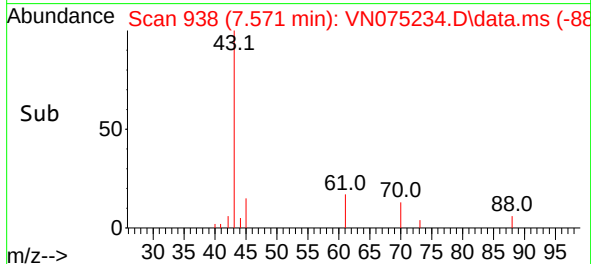
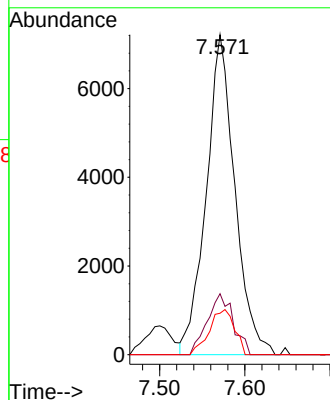
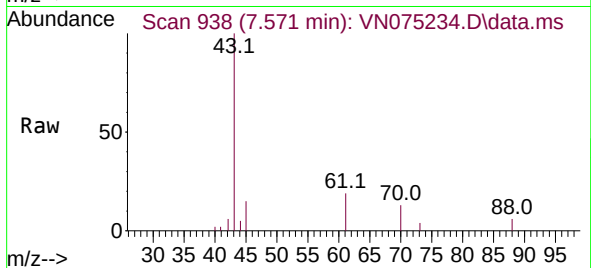
Instrument :

MSVOA_N

ClientSampleId :

TP-14-A-WEST

Tgt Ion:	43	Resp:	16847
Ion	Ratio	Lower	Upper
43	100		
61	17.2	12.2	18.4
70	12.4	9.4	14.2



#38

Carbon Tetrachloride

Concen: 5.664 ug/l

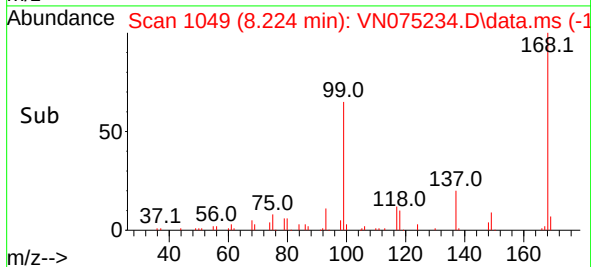
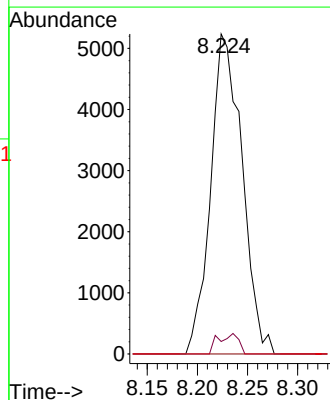
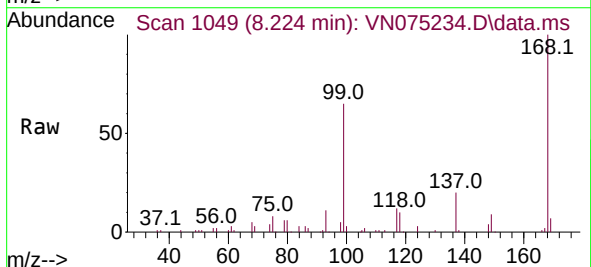
RT: 8.224 min Scan# 1049

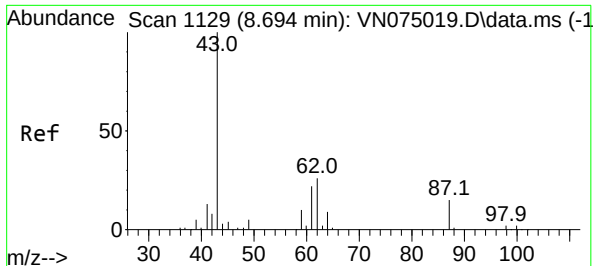
Delta R.T. -0.147 min

Lab File: VN075234.D

Acq: 10 Nov 2022 14:58

Tgt Ion:	117	Resp:	11407
Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.7	115.1#
121	0.0	23.9	35.9#

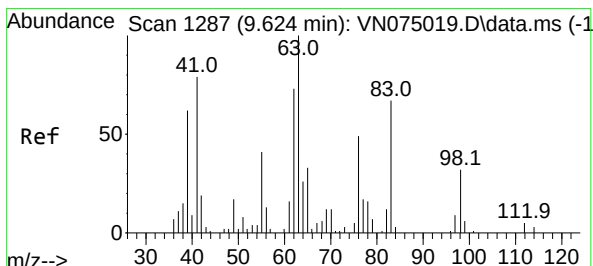
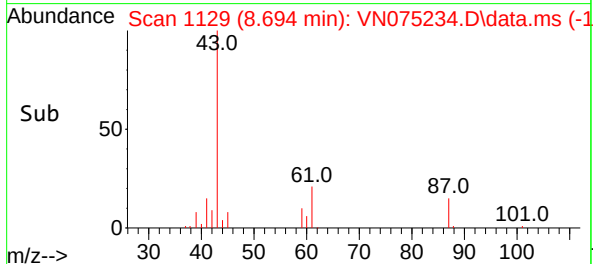
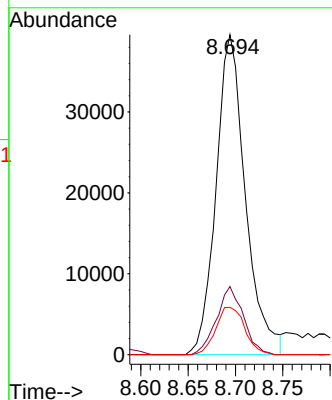
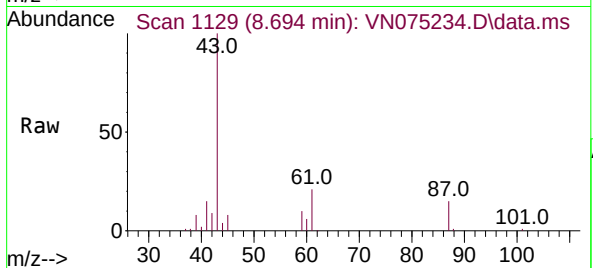




#43
Isopropyl Acetate
Concen: 27.382 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

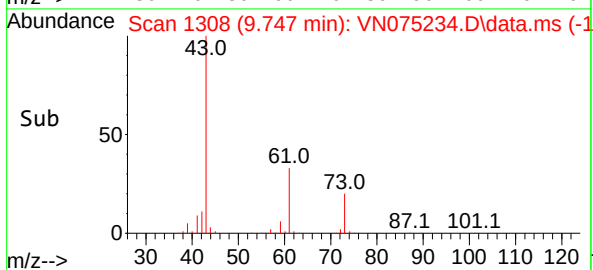
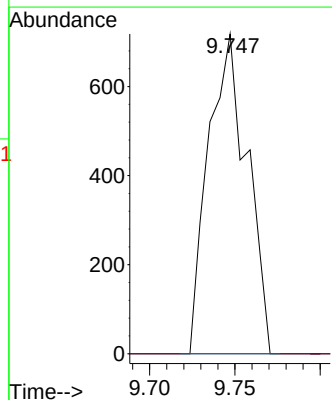
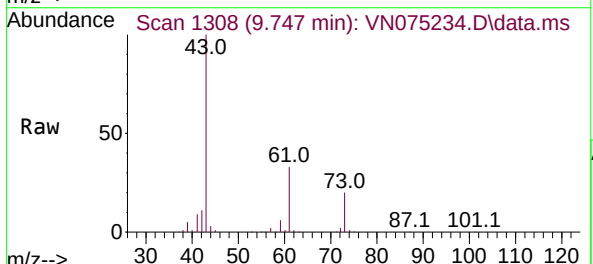
Instrument :
MSVOA_N
ClientSampleId :
TP-14-A-WEST

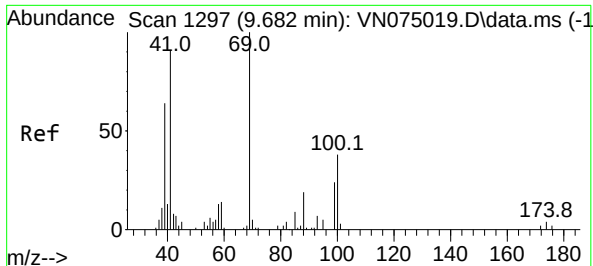
Tgt Ion: 43 Resp: 85284
Ion Ratio Lower Upper
43 100
61 19.5 22.4 33.6#
87 14.6 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.852 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

Tgt Ion: 63 Resp: 1137
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

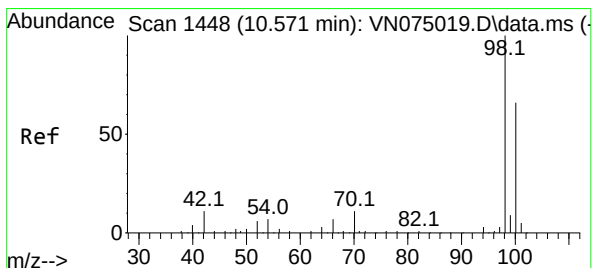
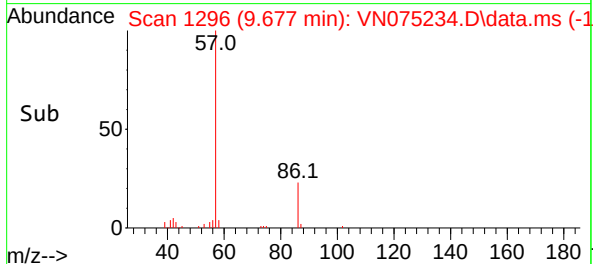
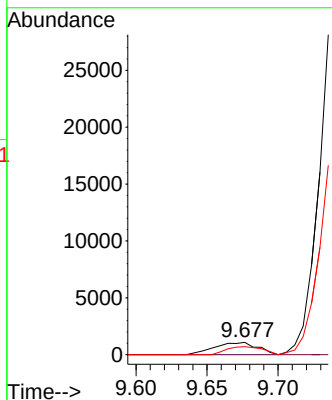
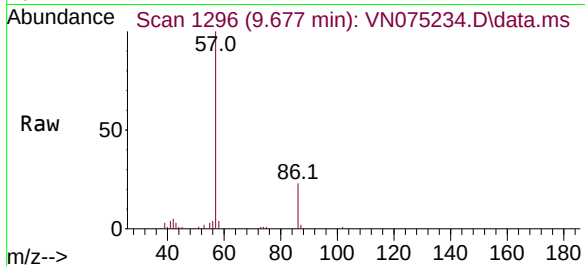




#48
Methyl methacrylate
Concen: 1.587 ug/l
RT: 9.677 min Scan# 1296
Delta R.T. -0.005 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

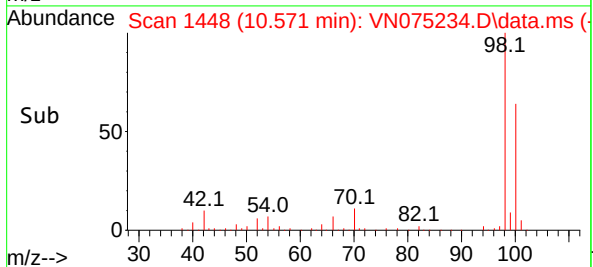
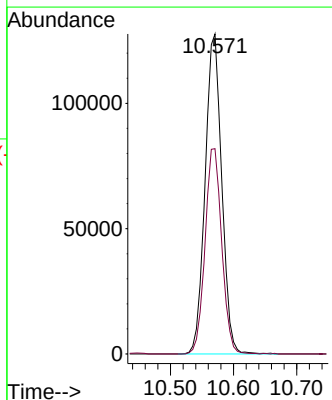
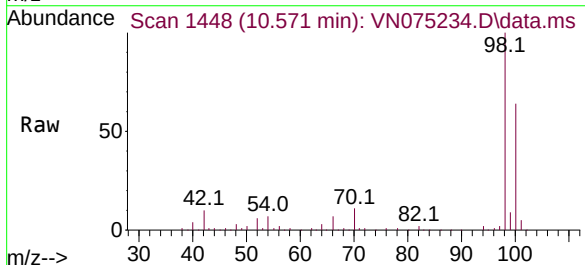
Instrument :
MSVOA_N
ClientSampleId :
TP-14-A-WEST

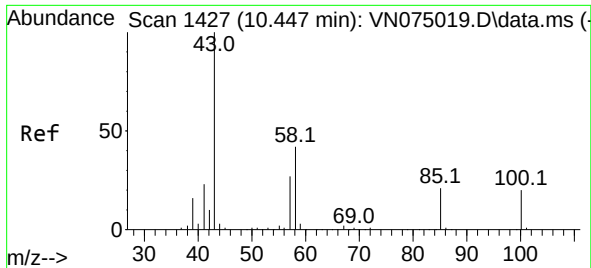
Tgt Ion: 41 Resp: 2267
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 55.2 56.2 84.2#



#50
Toluene-d8
Concen: 50.918 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

Tgt Ion: 98 Resp: 233634
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.6

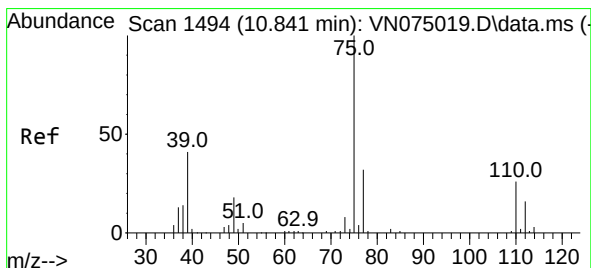
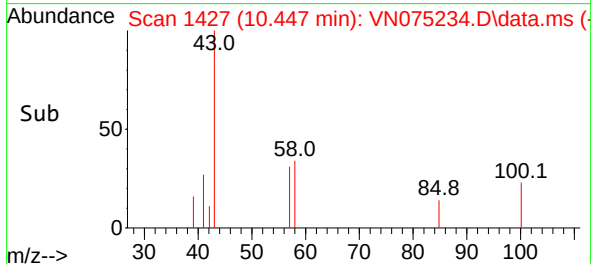
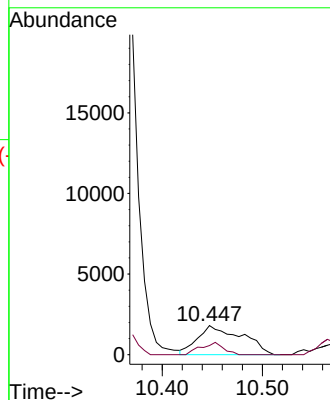
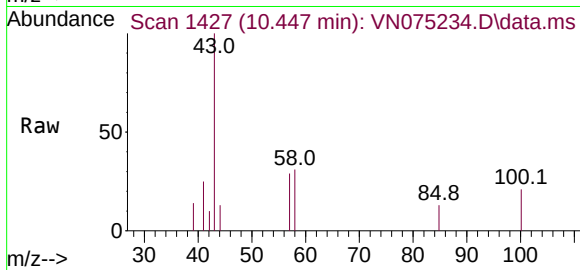




#51
4-Methyl-2-Pentanone
Concen: 2.750 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

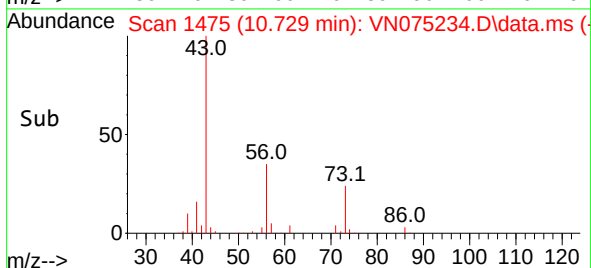
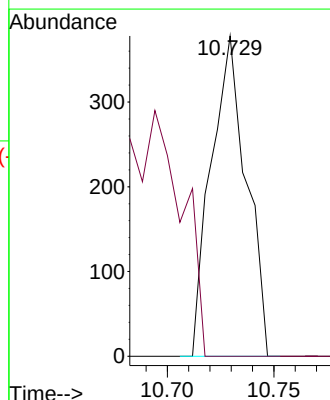
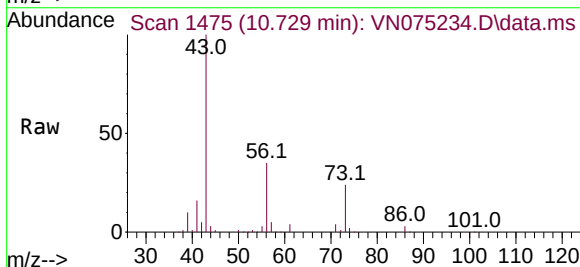
Instrument :
MSVOA_N
ClientSampleId :
TP-14-A-WEST

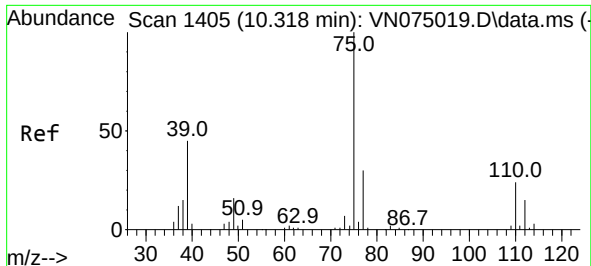
Tgt Ion: 43 Resp: 5527
Ion Ratio Lower Upper
43 100
58 21.7 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.205 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.112 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

Tgt Ion: 75 Resp: 435
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

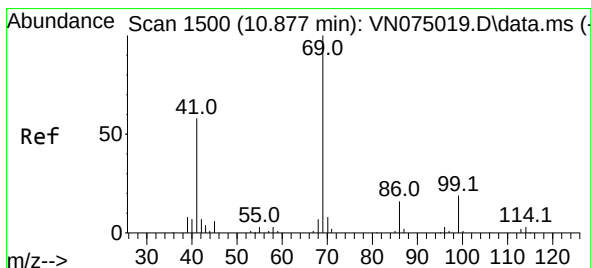
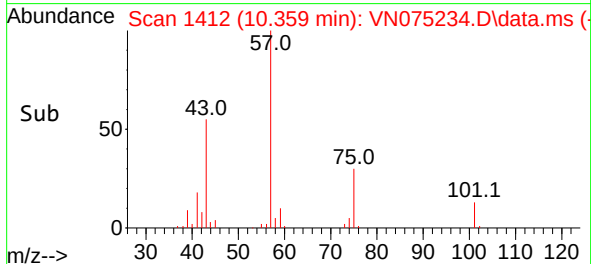
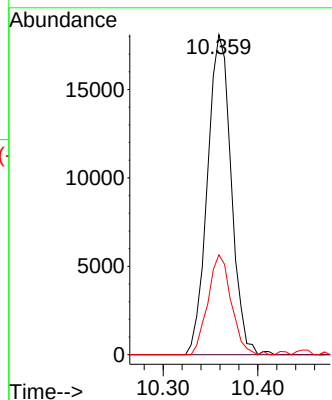
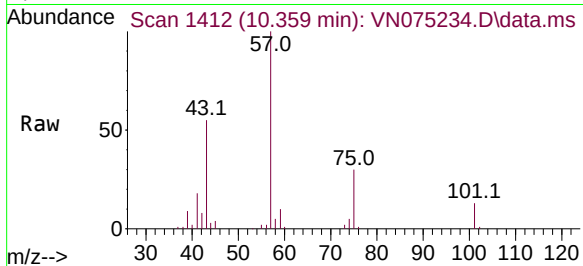




#54
 cis-1,3-Dichloropropene
 Concen: 13.989 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075234.D
 Acq: 10 Nov 2022 14:58

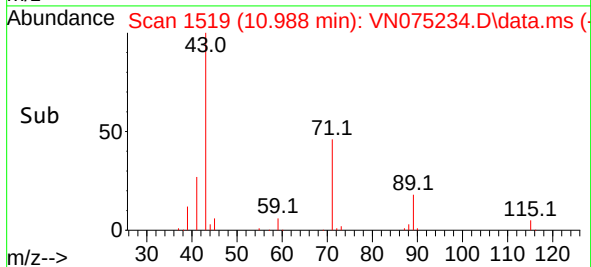
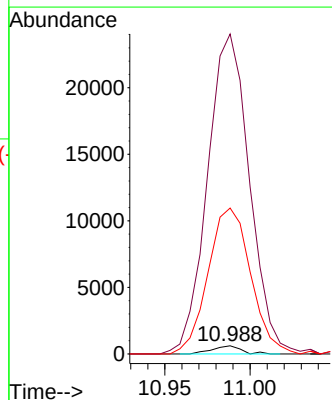
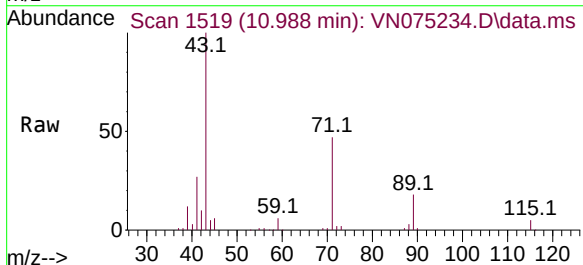
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-A-WEST

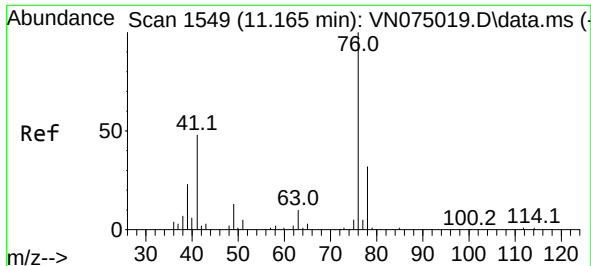
Tgt Ion: 75 Resp: 31524
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 31.2 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.323 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075234.D
 Acq: 10 Nov 2022 14:58

Tgt Ion: 69 Resp: 732
 Ion Ratio Lower Upper
 69 100
 41 5657.7 45.6 68.4#
 39 2606.8 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.633 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075234.D

Acq: 10 Nov 2022 14:58

Instrument :

MSVOA_N

ClientSampleId :

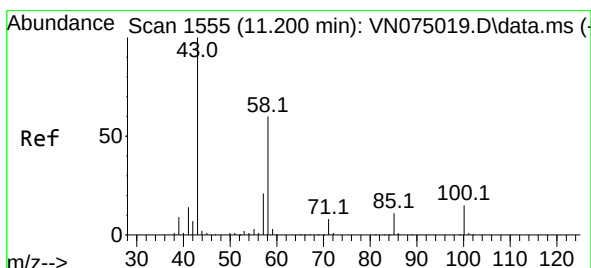
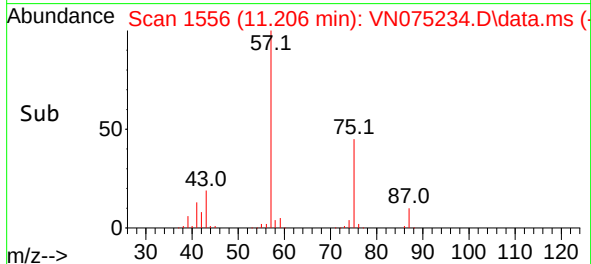
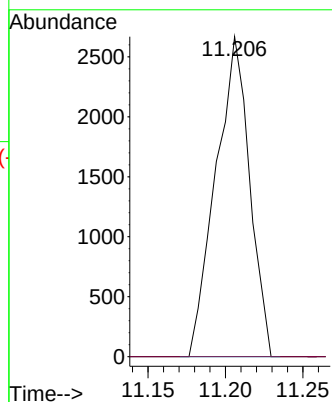
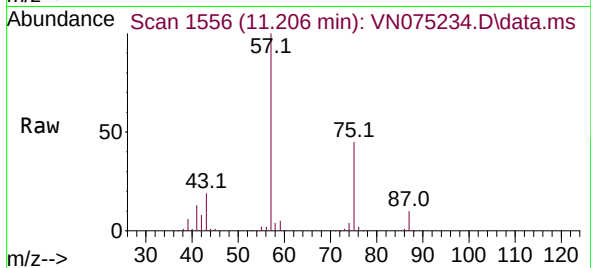
TP-14-A-WEST

Tgt Ion: 76 Resp: 4042

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 42.444 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075234.D

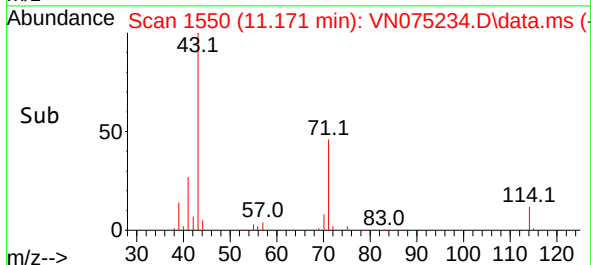
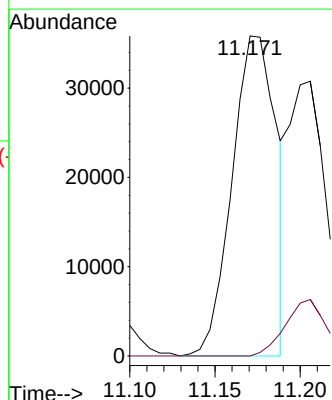
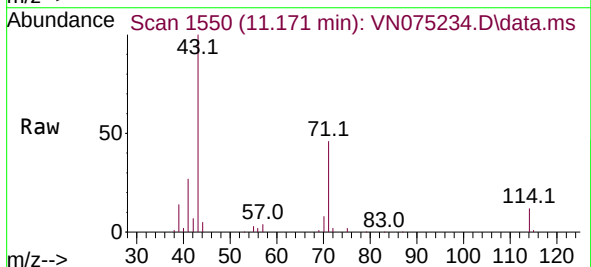
Acq: 10 Nov 2022 14:58

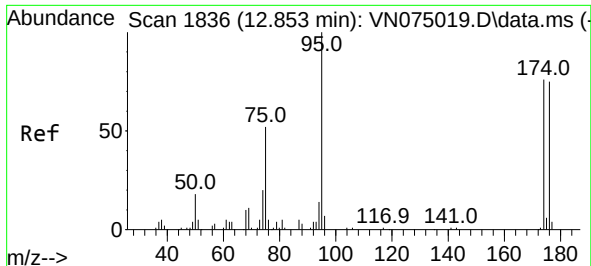
Tgt Ion: 43 Resp: 64746

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

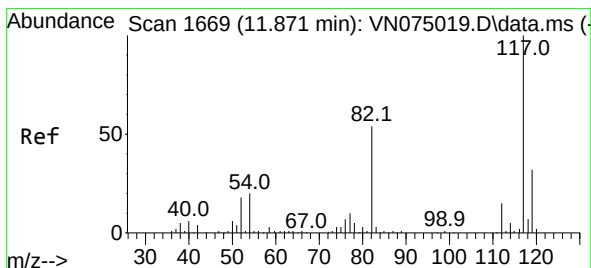
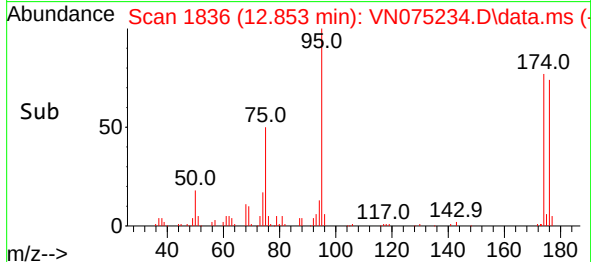
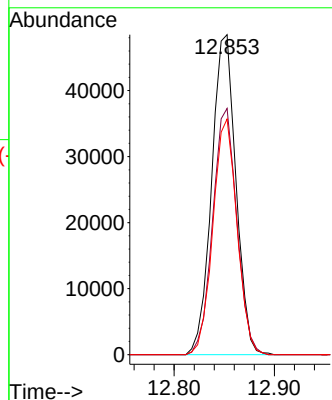
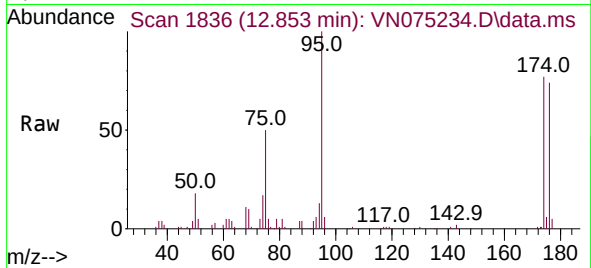




#62
4-Bromofluorobenzene
Concen: 50.601 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

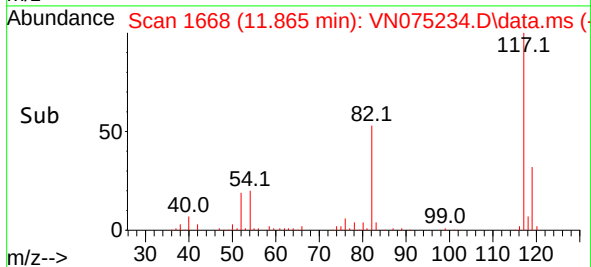
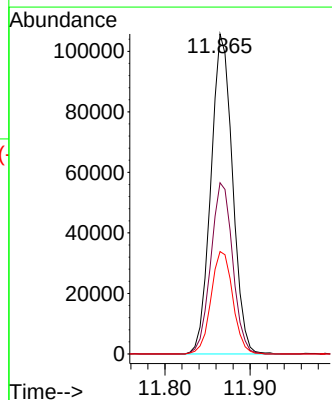
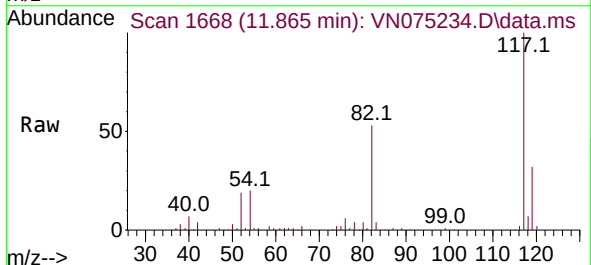
Instrument :
MSVOA_N
ClientSampleId :
TP-14-A-WEST

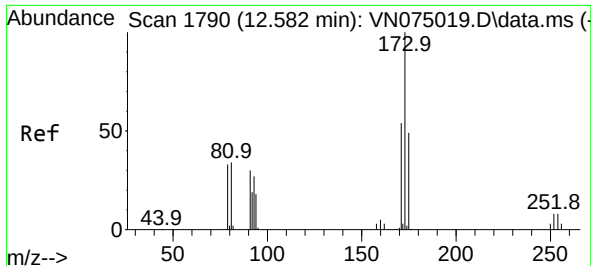
Tgt Ion: 95 Resp: 81559
Ion Ratio Lower Upper
95 100
174 76.5 0.0 147.4
176 72.9 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

Tgt Ion: 117 Resp: 186152
Ion Ratio Lower Upper
117 100
82 53.5 43.1 64.7
119 32.0 25.5 38.3

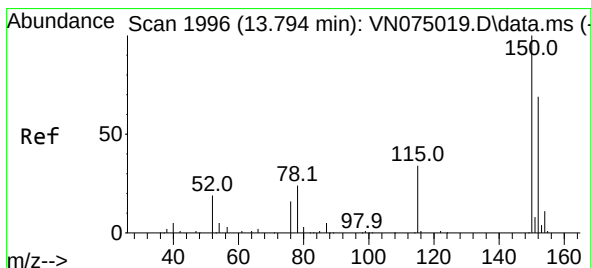
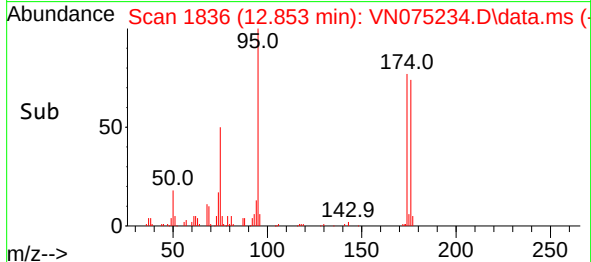
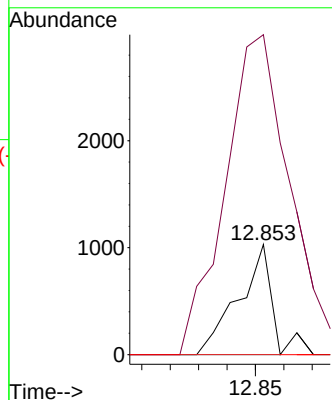
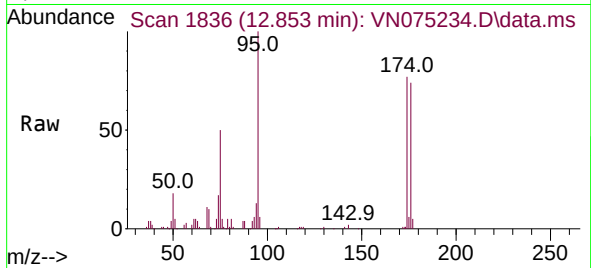




#71
Bromoform
Concen: 0.721 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

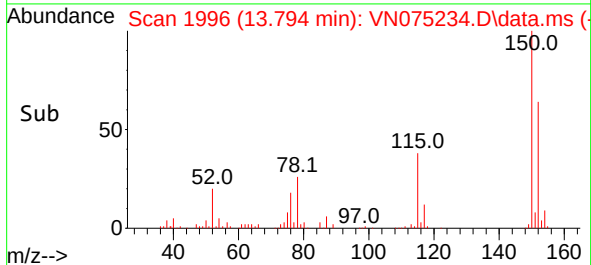
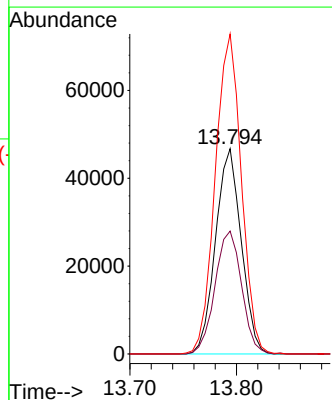
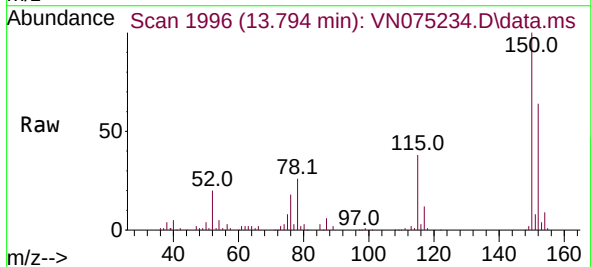
Instrument :
MSVOA_N
ClientSampleId :
TP-14-A-WEST

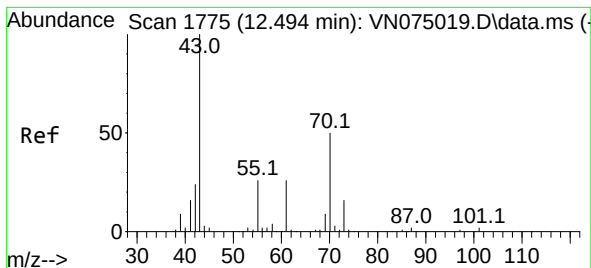
Tgt Ion:173 Resp: 796
Ion Ratio Lower Upper
173 100
175 495.9 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075234.D
Acq: 10 Nov 2022 14:58

Tgt Ion:152 Resp: 78224
Ion Ratio Lower Upper
152 100
115 61.9 30.2 90.6
150 158.2 0.0 348.4





#74

N-amy1 acetate

Concen: 0.214 ug/l

RT: 12.494 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN075234.D

Acq: 10 Nov 2022 14:58

Instrument :

MSVOA_N

ClientSampleId :

TP-14-A-WEST

Tgt Ion: 43 Resp: 496

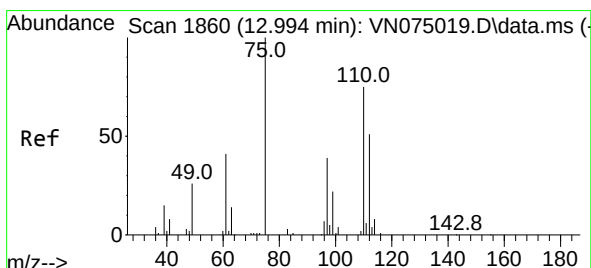
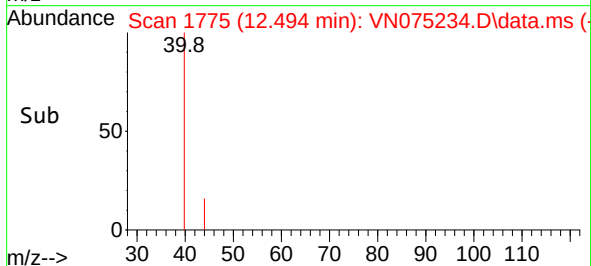
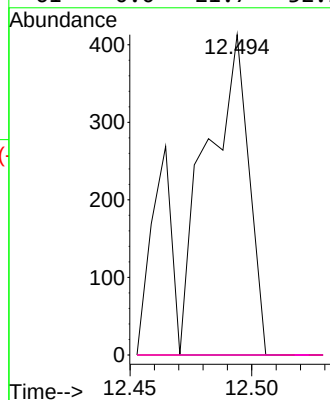
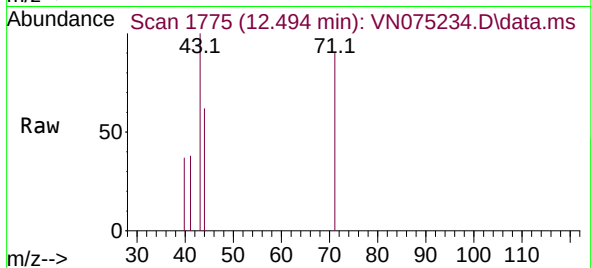
Ion Ratio Lower Upper

43 100

70 0.0 39.8 59.8#

55 0.0 19.9 29.9#

61 0.0 21.7 32.5#



#76

1,2,3-Trichloropropane

Concen: 25.602 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN075234.D

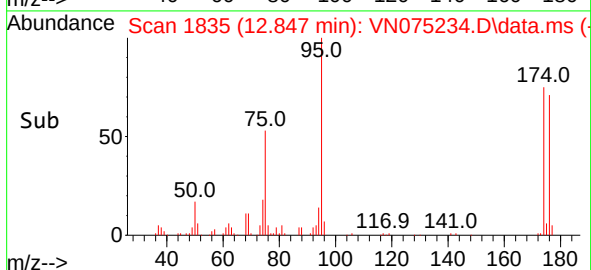
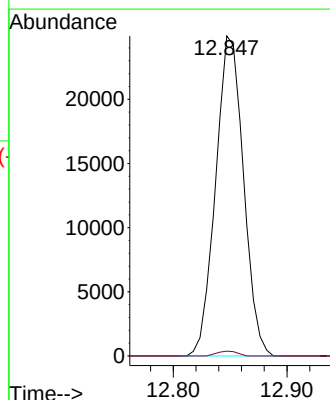
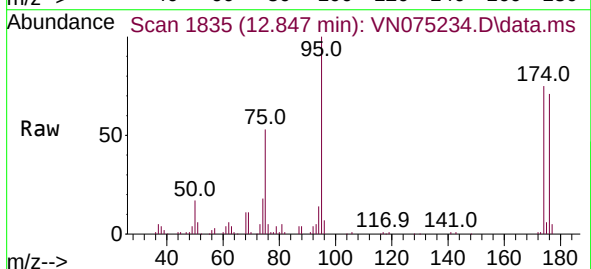
Acq: 10 Nov 2022 14:58

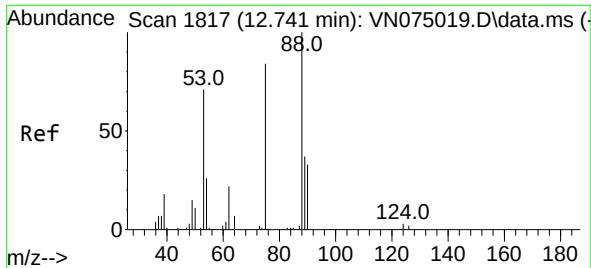
Tgt Ion: 75 Resp: 42523

Ion Ratio Lower Upper

75 100

77 1.1 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.721 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN075234.D
 Acq: 10 Nov 2022 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-A-WEST

Tgt Ion: 75 Resp: 42523
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

