

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110722\
 Data File : VN075189.D
 Acq On : 07 Nov 2022 15:45
 Operator : JC\MD
 Sample : PB148848ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148848ZHE#01

Quant Time: Nov 08 01:10:33 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)

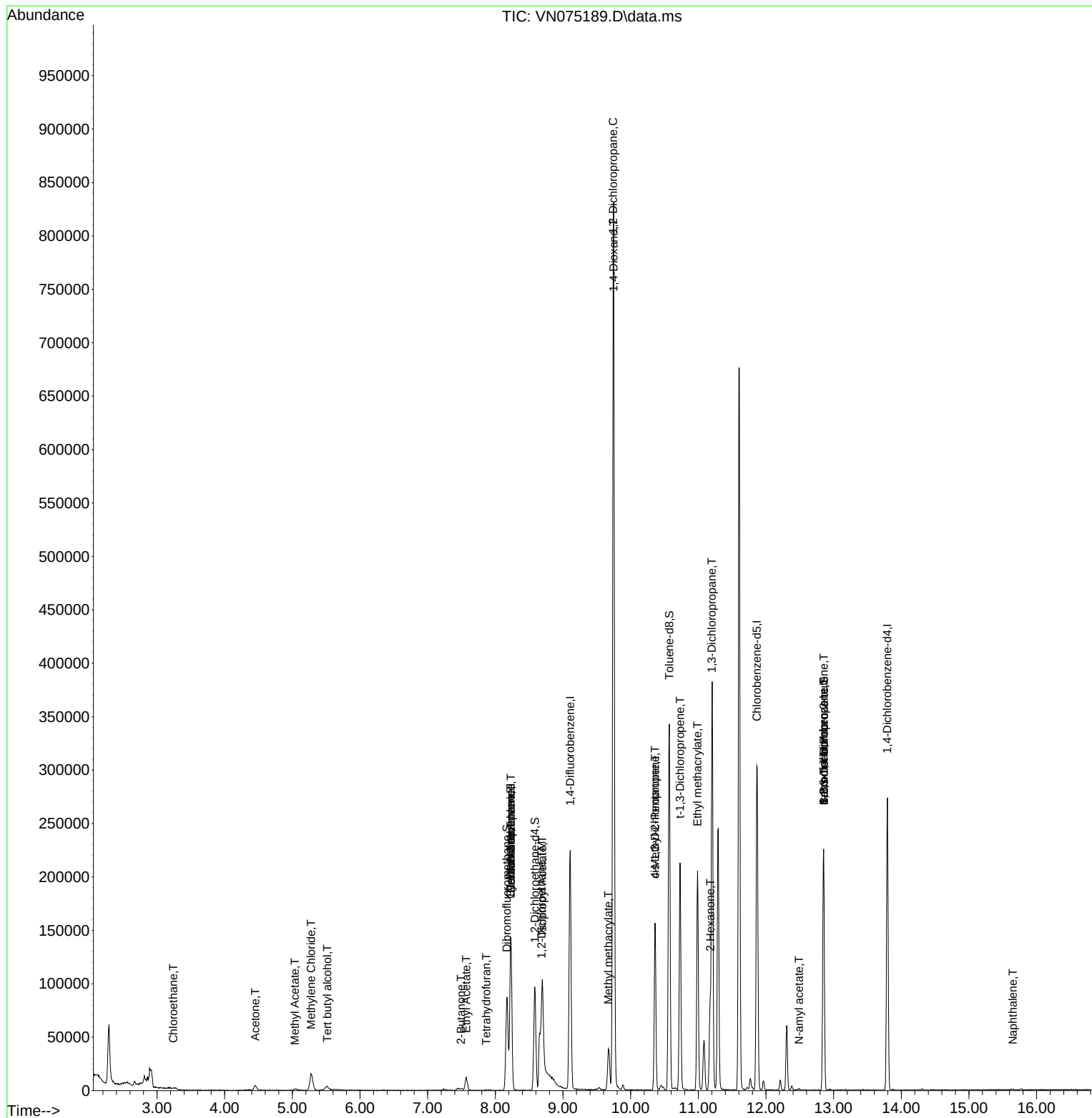
Internal Standards						
1) Pentafluorobenzene	8.230	168	101448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	197119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	183927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	70652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	77117	56.418	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.840%	
35) Dibromofluoromethane	8.171	113	62250	53.794	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.580%	
50) Toluene-d8	10.571	98	238595	53.144	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.280%	
62) 4-Bromofluorobenzene	12.853	95	78480	49.762	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	488	Below Cal	#	61
6) Chloroethane	3.242	64	398	0.278	ug/l #	45
11) Tert butyl alcohol	5.518	59	3884	12.185	ug/l #	72
16) Acetone	4.453	43	8830	15.256	ug/l	94
18) Methyl Acetate	5.036	43	1466	0.775	ug/l #	78
20) Methylene Chloride	5.277	84	13071	10.129	ug/l #	85
25) 2-Butanone	7.494	43	2561	2.813	ug/l #	85
29) Tetrahydrofuran	7.865	42	434	0.738	ug/l #	26
31) Cyclohexane	8.224	56	2370	1.166	ug/l #	21
36) 1,1-Dichloropropene	8.224	75	8764	4.892	ug/l #	50
37) Ethyl Acetate	7.571	43	17558	8.937	ug/l	97
38) Carbon Tetrachloride	8.230	117	11495	5.833	ug/l #	19
42) 1,2-Dichloroethane	8.682	62	632	0.317	ug/l #	75
43) Isopropyl Acetate	8.694	43	159153	52.223	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1062	0.814	ug/l #	42
48) Methyl methacrylate	9.671	41	2409	1.723	ug/l #	37
49) 1,4-Dioxane	9.747	88	62	1.694	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	54776	27.853	ug/l #	44
53) t-1,3-Dichloropropene	10.729	75	469	0.226	ug/l #	54
54) cis-1,3-Dichloropropene	10.359	75	29859	13.542	ug/l #	65
56) Ethyl methacrylate	10.988	69	856	0.386	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4256	1.758	ug/l #	42
59) 2-Hexanone	11.176	43	58563	39.236	ug/l #	21
71) Bromoform	12.853	173	524	0.481	ug/l #	1
74) N-amyl acetate	12.488	43	963	0.459	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	42423	28.280	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	42423	72.593	ug/l #	10
95) Naphthalene	15.647	128	1292	0.321	ug/l #	69

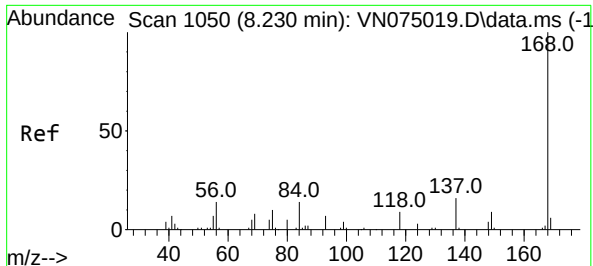
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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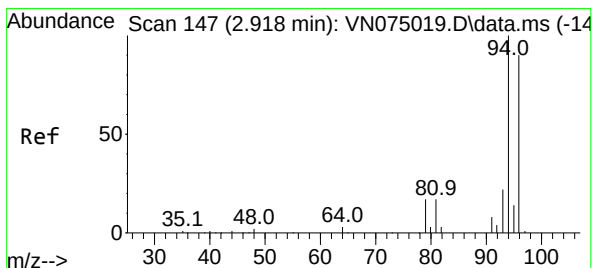
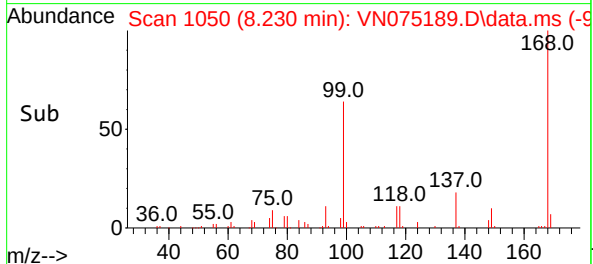
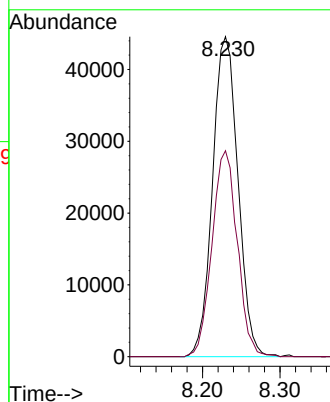
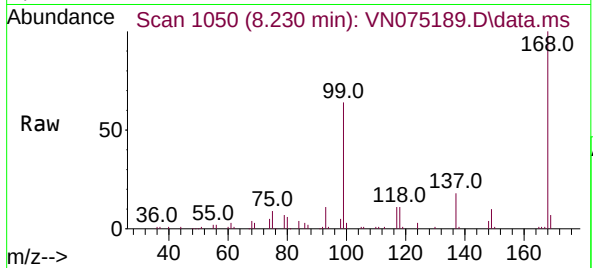




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

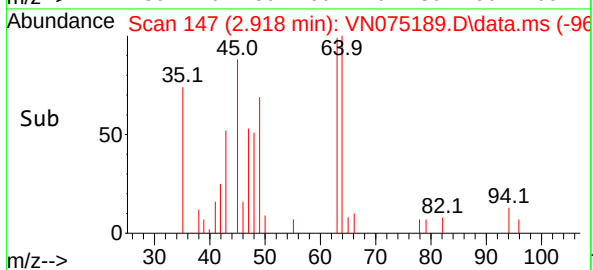
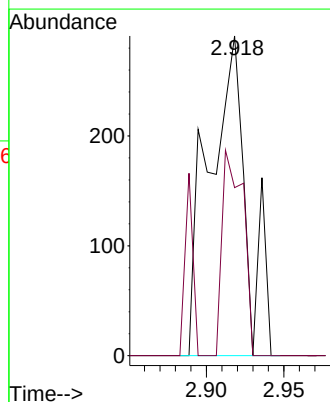
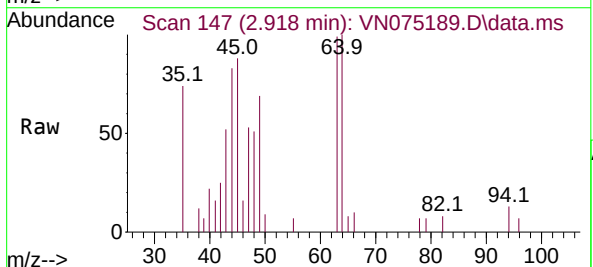
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#01

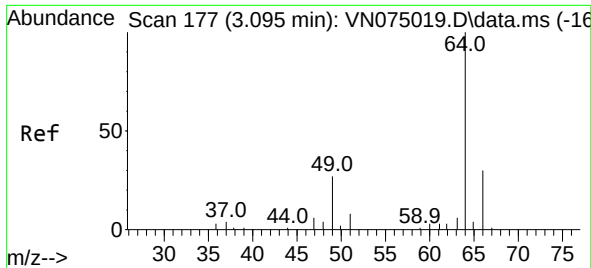
Tgt Ion:168 Resp: 101448
Ion Ratio Lower Upper
168 100
99 64.4 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

Tgt Ion: 94 Resp: 488
Ion Ratio Lower Upper
94 100
96 52.6 71.8 107.6#

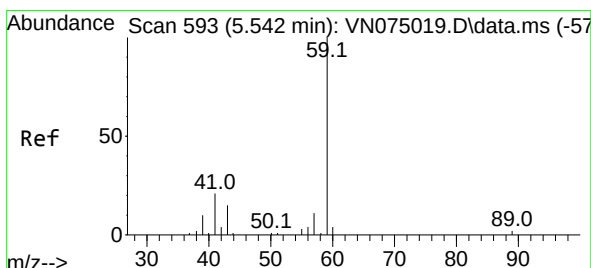
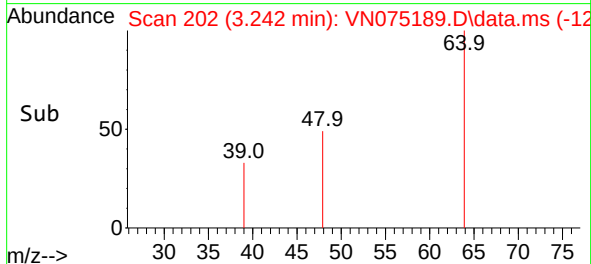
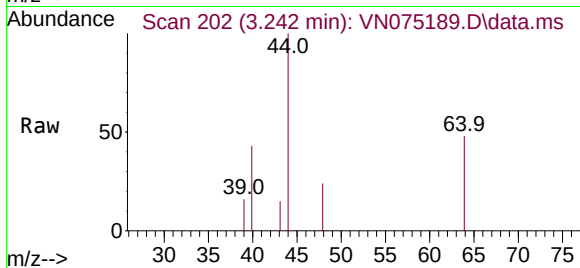




#6
Chloroethane
Concen: 0.278 ug/l
RT: 3.242 min Scan# 20
Delta R.T. 0.147 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

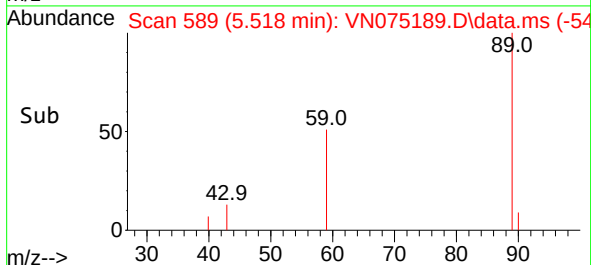
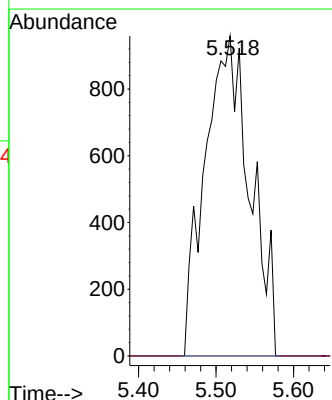
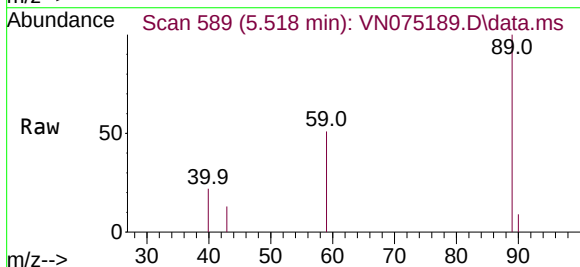
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#01

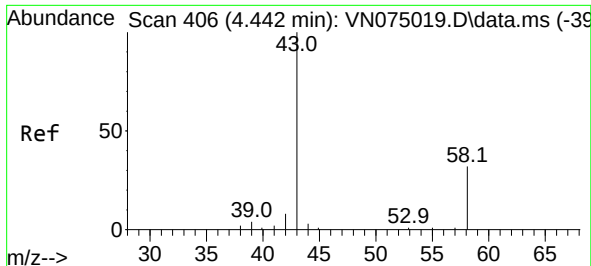
Tgt Ion: 64 Resp: 398
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 12.185 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

Tgt Ion: 59 Resp: 3884
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

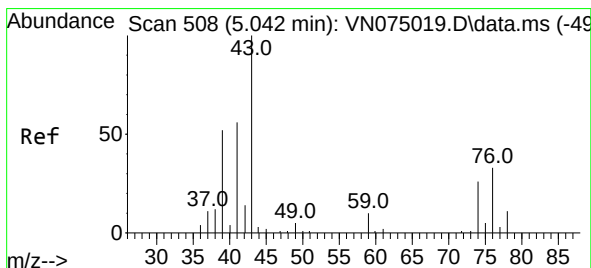
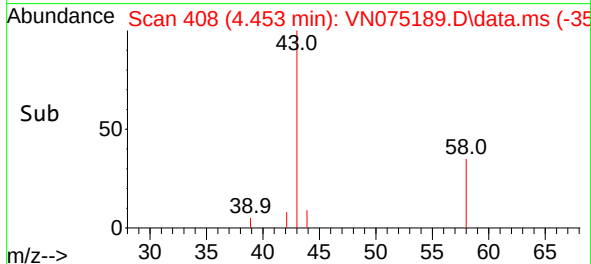
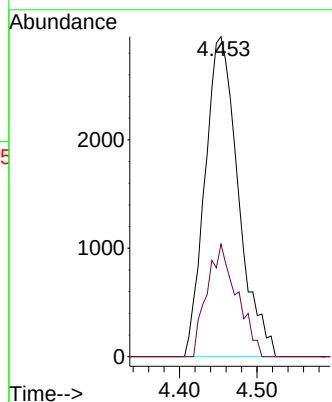
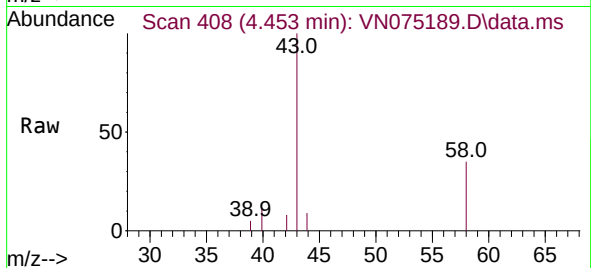




#16
Acetone
Concen: 15.256 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

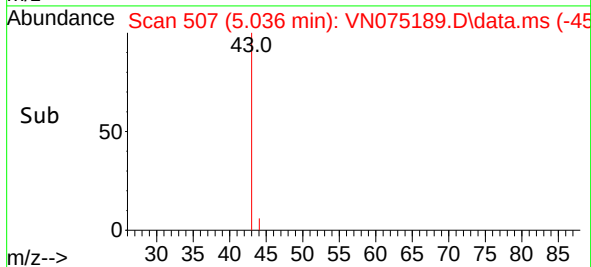
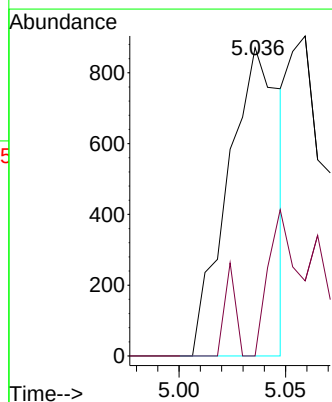
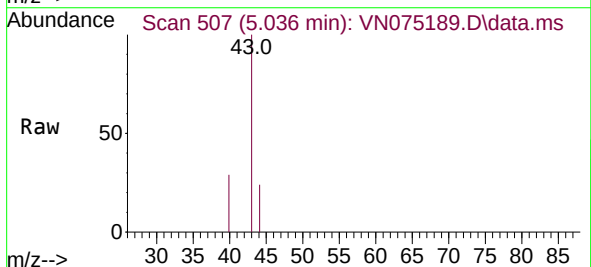
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#01

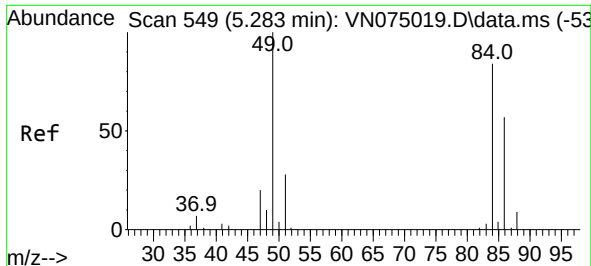
Tgt Ion: 43 Resp: 8830
Ion Ratio Lower Upper
43 100
58 35.2 25.5 38.3



#18
Methyl Acetate
Concen: 0.775 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.006 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

Tgt Ion: 43 Resp: 1466
Ion Ratio Lower Upper
43 100
74 39.2 22.0 33.0#

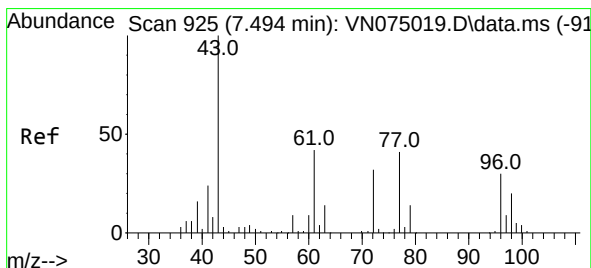
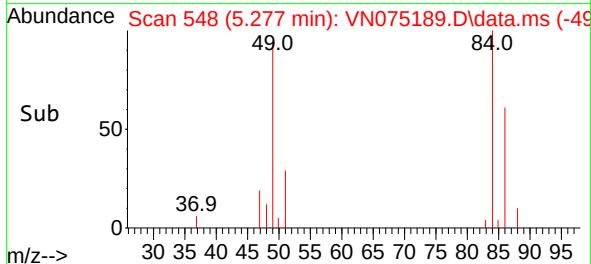
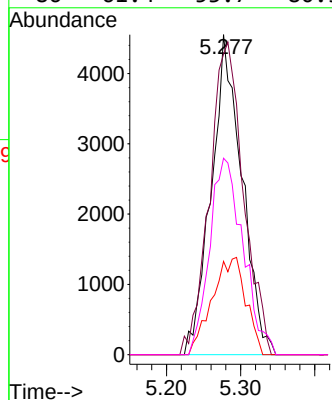
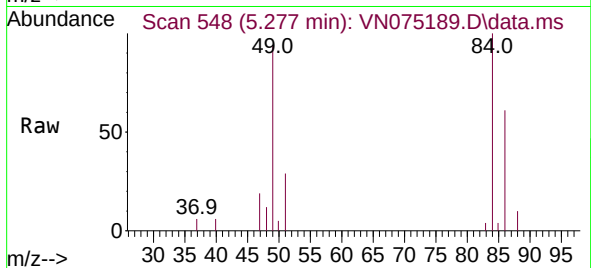




#20
Methylene Chloride
Concen: 10.129 ug/l
RT: 5.277 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

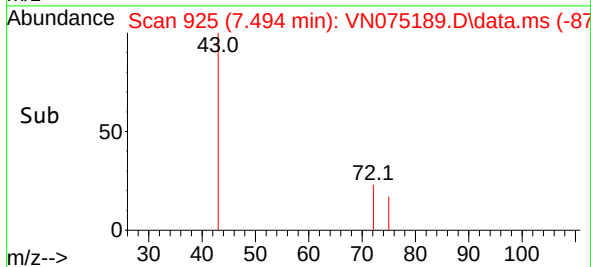
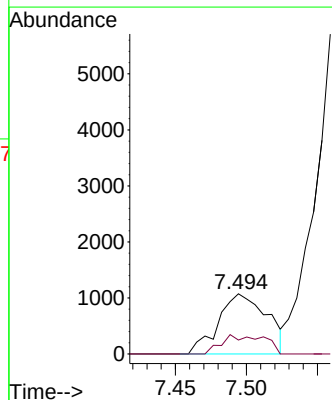
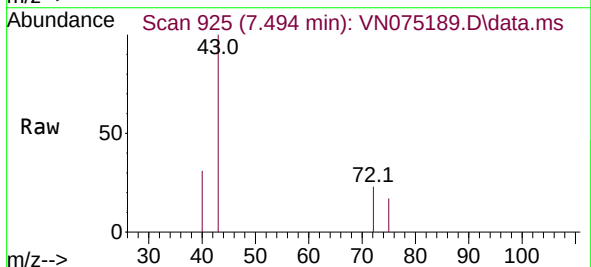
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#01

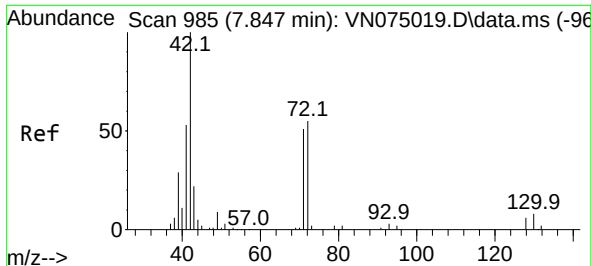
Tgt Ion:	84	Resp:	13071
Ion	Ratio	Lower	Upper
84	100		
49	93.9	94.9	142.3#
51	29.1	26.8	40.2
86	61.4	53.7	80.5



#25
2-Butanone
Concen: 2.813 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

Tgt Ion:	43	Resp:	2561
Ion	Ratio	Lower	Upper
43	100		
72	23.3	25.5	38.3#





#29

Tetrahydrofuran

Concen: 0.738 ug/l

RT: 7.865 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN075189.D

Acq: 07 Nov 2022 15:45

Instrument :

MSVOA_N

ClientSampleId :

PB148848ZHE#01

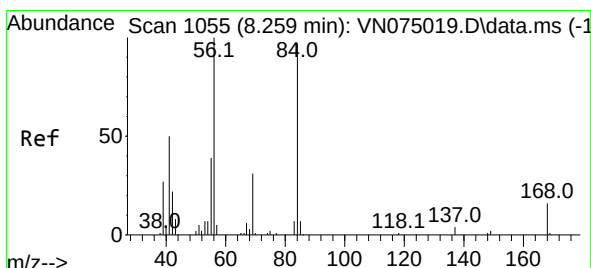
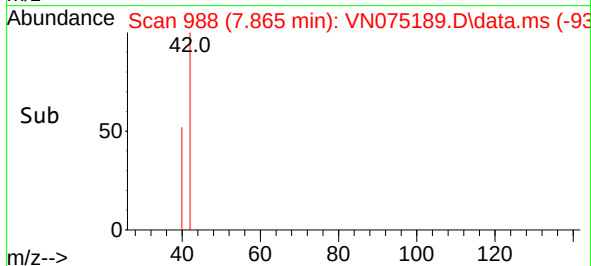
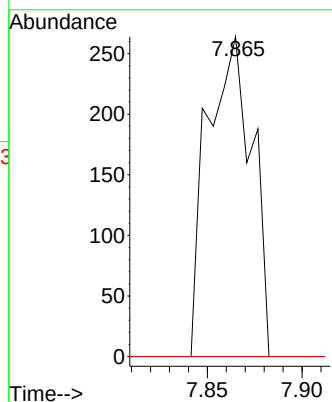
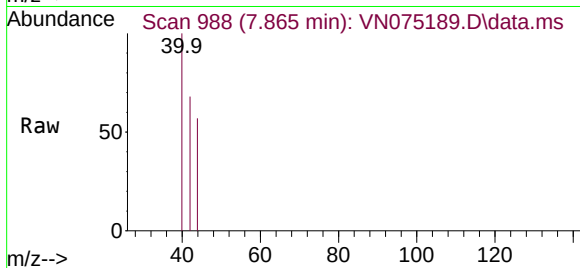
Tgt Ion: 42 Resp: 434

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.166 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075189.D

Acq: 07 Nov 2022 15:45

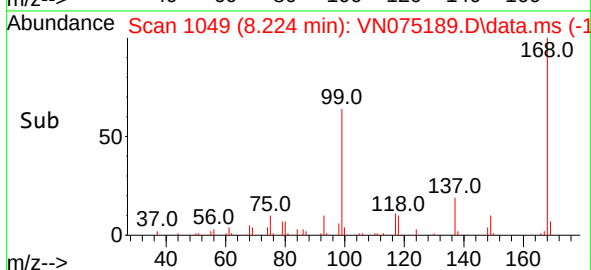
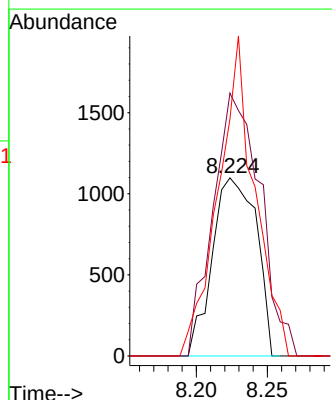
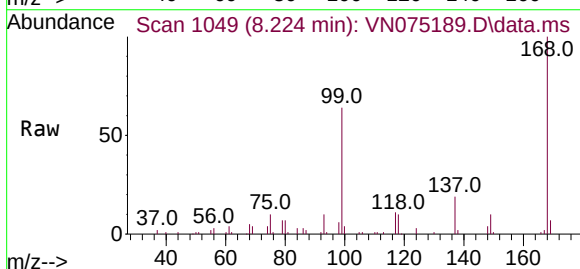
Tgt Ion: 56 Resp: 2370

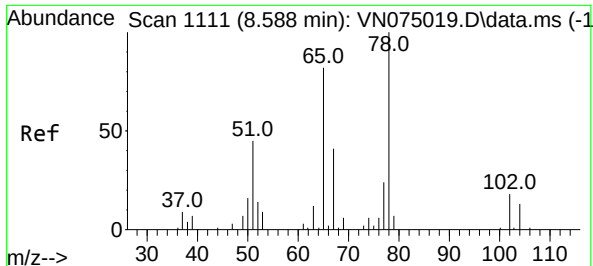
Ion Ratio Lower Upper

56 100

69 147.5 25.2 37.8#

84 133.2 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 56.418 ug/l

RT: 8.582 min Scan# 1111

Delta R.T. -0.005 min

Lab File: VN075189.D

Acq: 07 Nov 2022 15:45

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ClientSampleId :

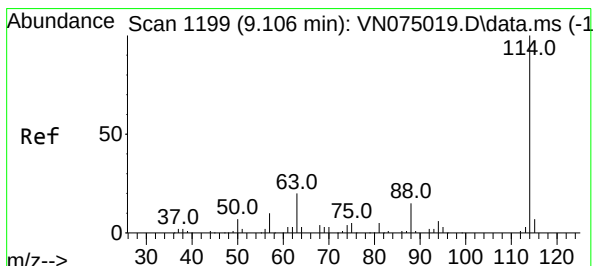
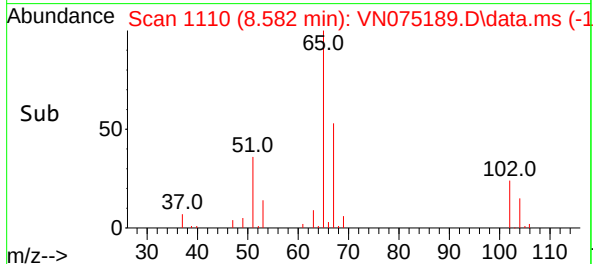
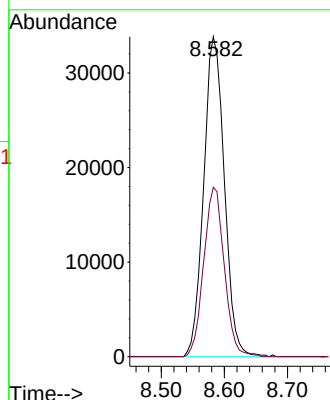
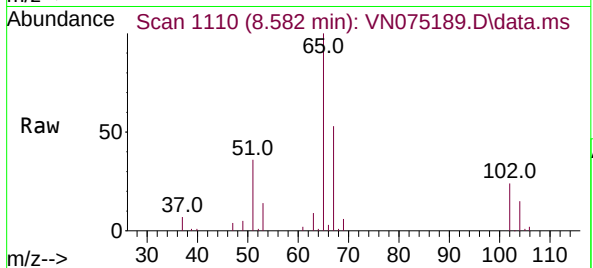
PB148848ZHE#01

Tgt Ion: 65 Resp: 77117

Ion Ratio Lower Upper

65 100

67 52.6 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: VN075189.D

Acq: 07 Nov 2022 15:45

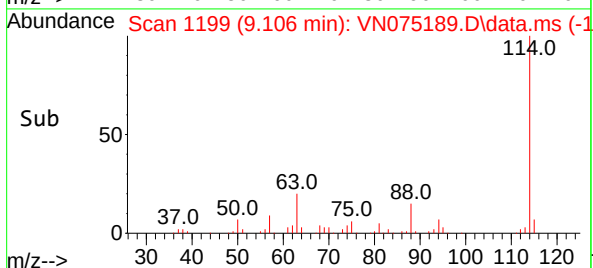
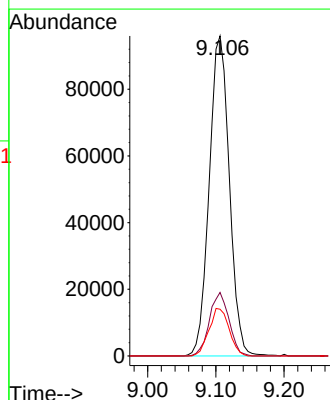
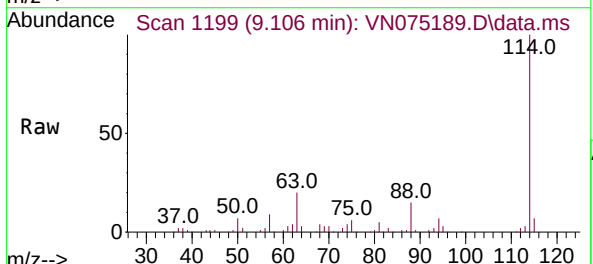
Tgt Ion: 114 Resp: 197119

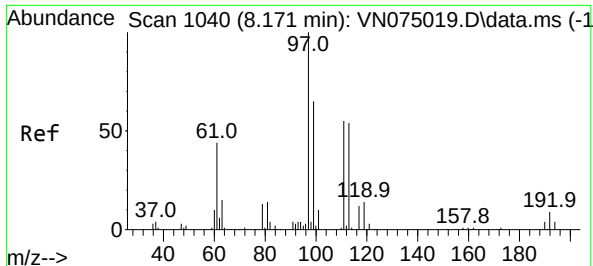
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 53.794 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075189.D

Acq: 07 Nov 2022 15:45

Instrument :

MSVOA_N

ClientSampleId :

PB148848ZHE#01

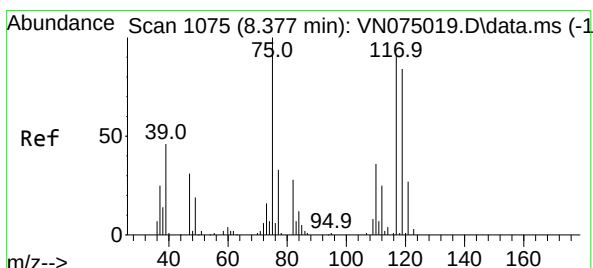
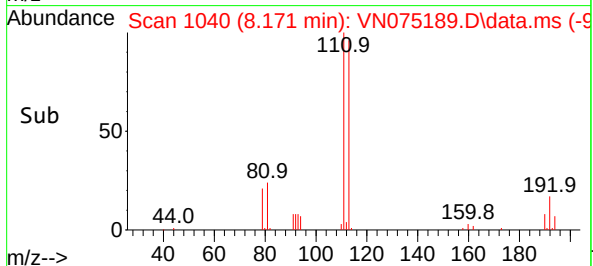
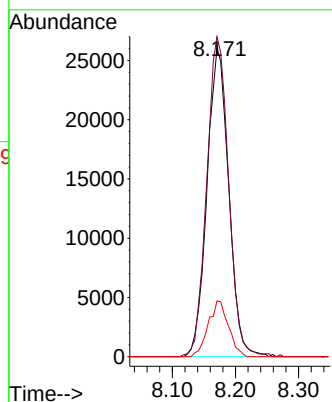
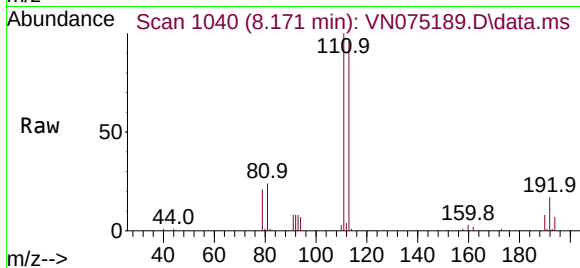
Tgt Ion:113 Resp: 62250

Ion Ratio Lower Upper

113 100

111 104.3 80.5 120.7

192 16.8 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.892 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN075189.D

Acq: 07 Nov 2022 15:45

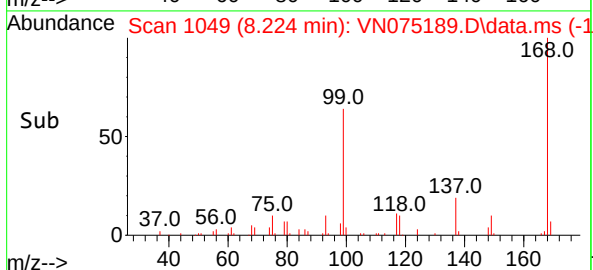
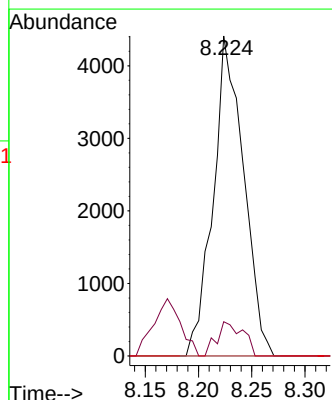
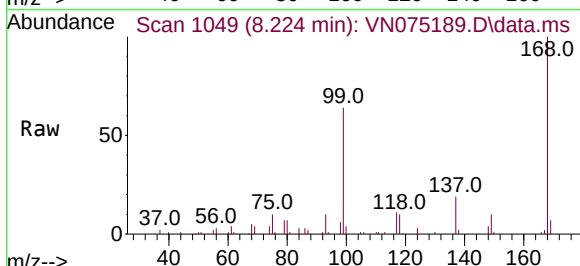
Tgt Ion: 75 Resp: 8764

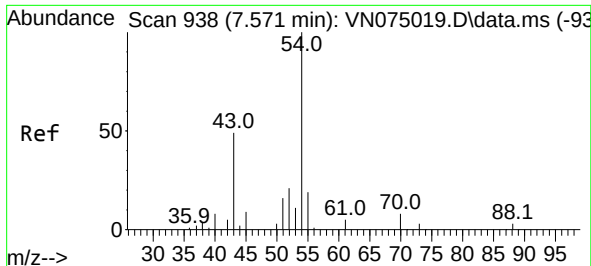
Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.3#

77 0.0 24.6 37.0#

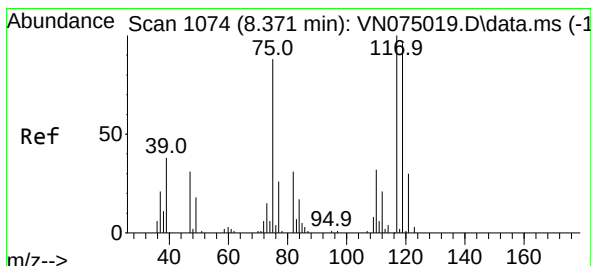
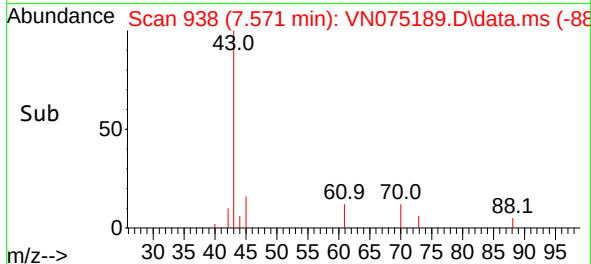
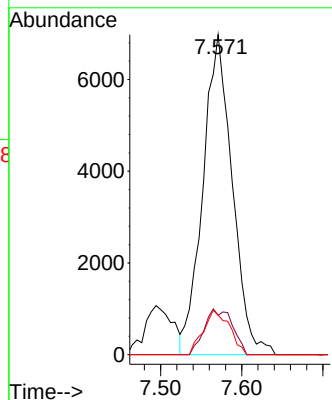
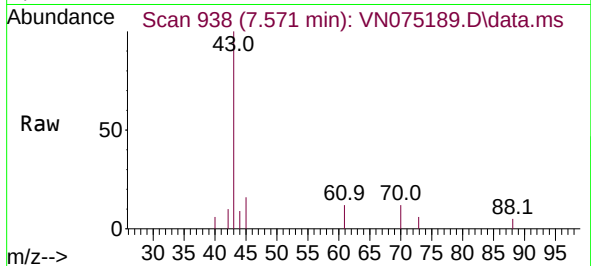




#37
Ethyl Acetate
Concen: 8.937 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

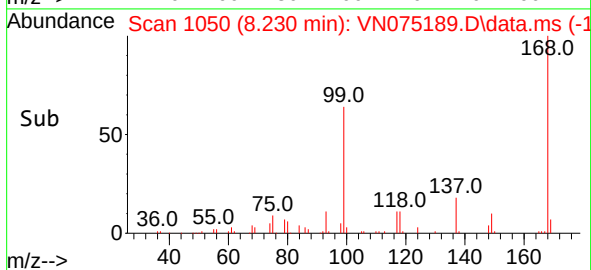
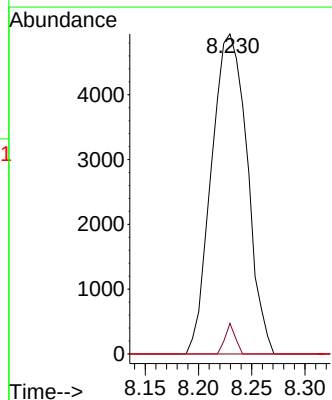
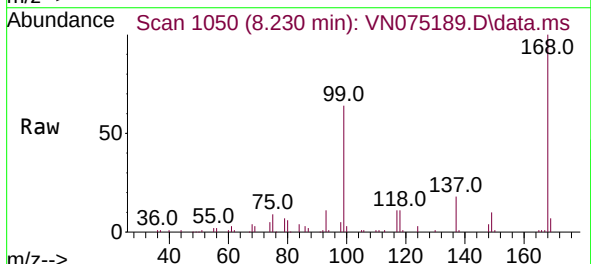
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#01

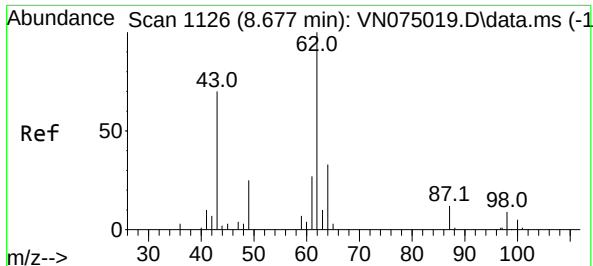
Tgt Ion:	43	Resp:	17558
Ion	Ratio	Lower	Upper
43	100		
61	13.8	12.2	18.4
70	12.3	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.833 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

Tgt Ion:	117	Resp:	11495
Ion	Ratio	Lower	Upper
117	100		
119	9.6	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.317 ug/l

RT: 8.682 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN075189.D

Acq: 07 Nov 2022 15:45

Instrument :

MSVOA_N

ClientSampleId :

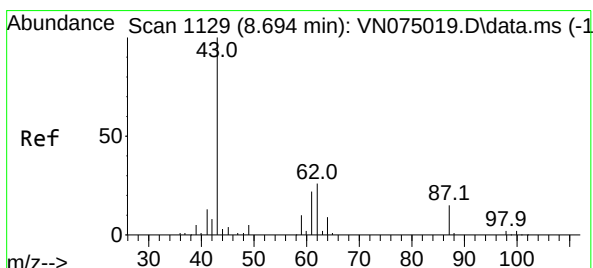
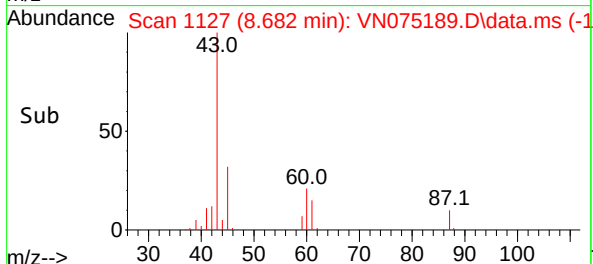
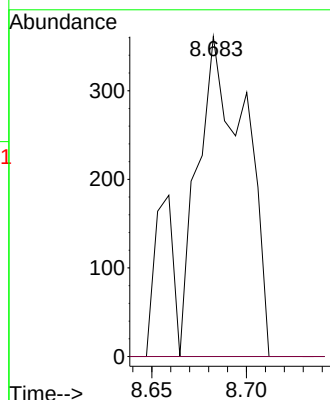
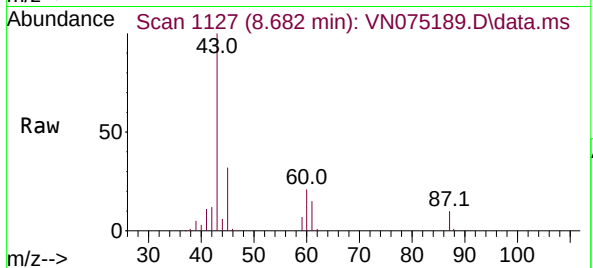
PB148848ZHE#01

Tgt Ion: 62 Resp: 632

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 52.223 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075189.D

Acq: 07 Nov 2022 15:45

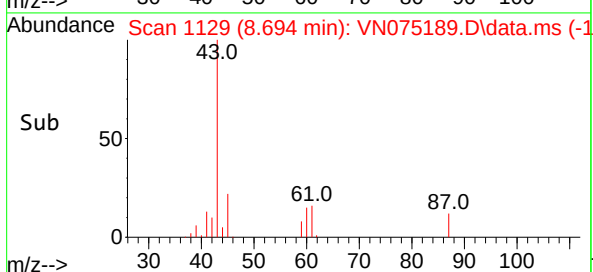
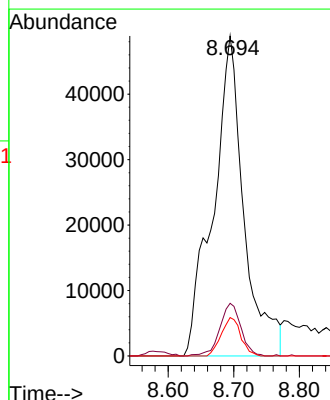
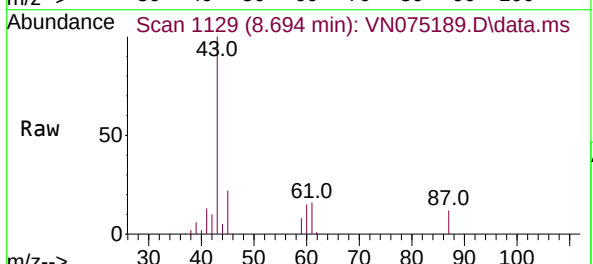
Tgt Ion: 43 Resp: 159153

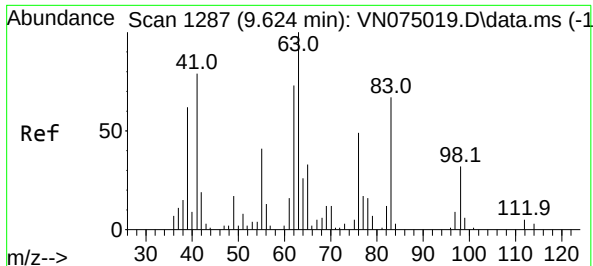
Ion Ratio Lower Upper

43 100

61 11.3 22.4 33.6#

87 7.6 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.814 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.117 min

Lab File: VN075189.D

Acq: 07 Nov 2022 15:45

Instrument :

MSVOA_N

ClientSampleId :

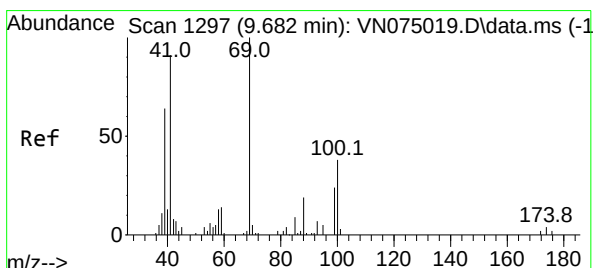
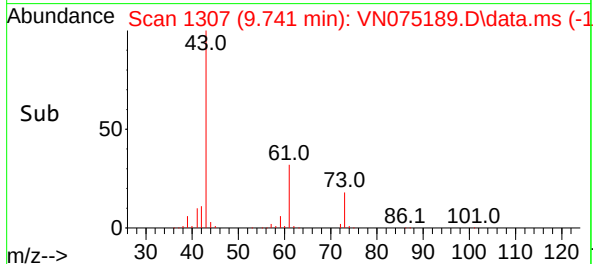
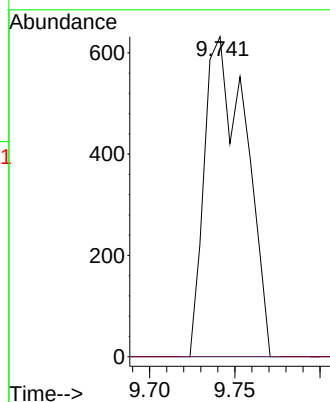
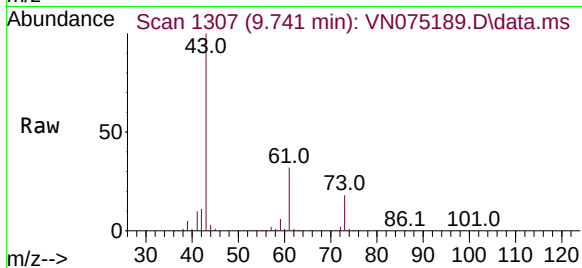
PB148848ZHE#01

Tgt Ion: 63 Resp: 1062

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.723 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.011 min

Lab File: VN075189.D

Acq: 07 Nov 2022 15:45

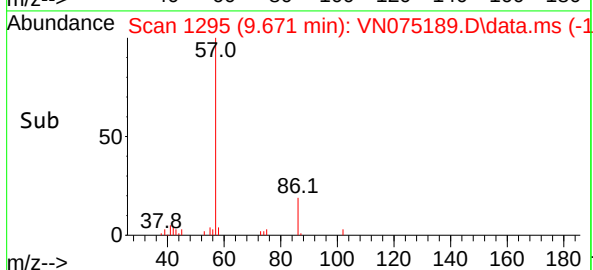
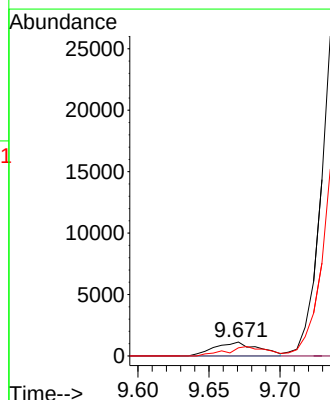
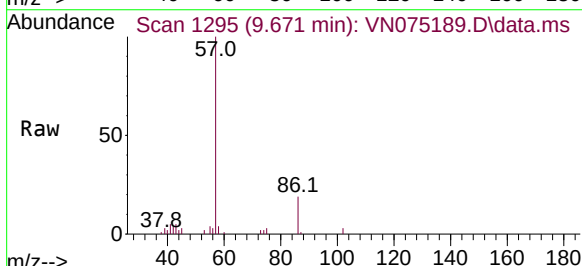
Tgt Ion: 41 Resp: 2409

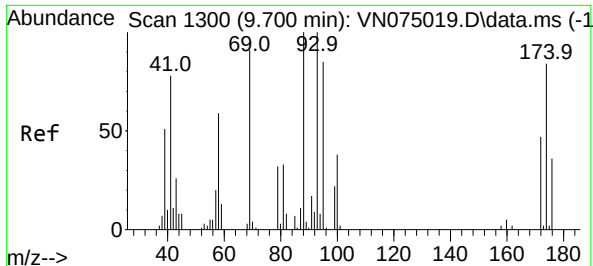
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 62.3 56.2 84.2





#49

1,4-Dioxane

Concen: 1.694 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.047 min

Lab File: VN075189.D

Acq: 07 Nov 2022 15:45

Instrument :

MSVOA_N

ClientSampleId :

PB148848ZHE#01

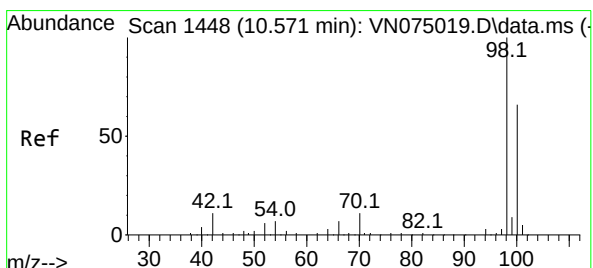
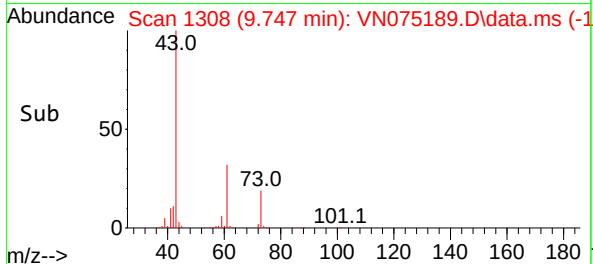
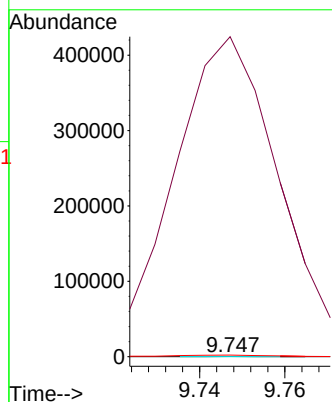
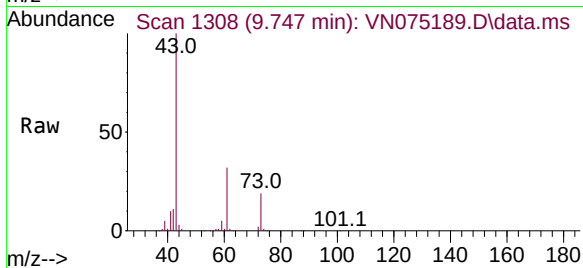
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 1203983.9 17.5 26.3#

58 6104.8 49.8 74.8#



#50

Toluene-d8

Concen: 53.144 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075189.D

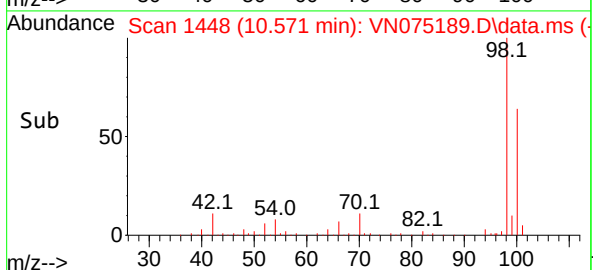
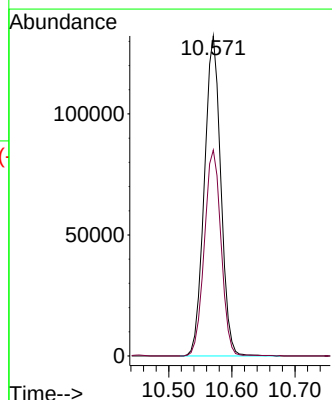
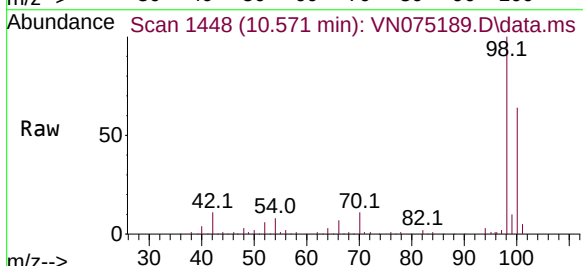
Acq: 07 Nov 2022 15:45

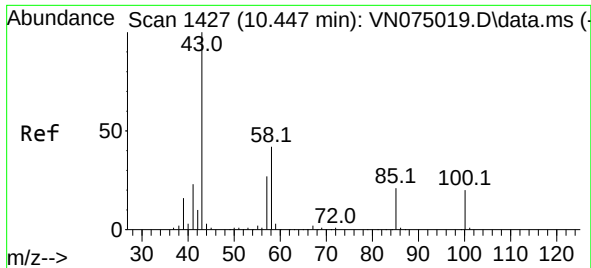
Tgt Ion: 98 Resp: 238595

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.6

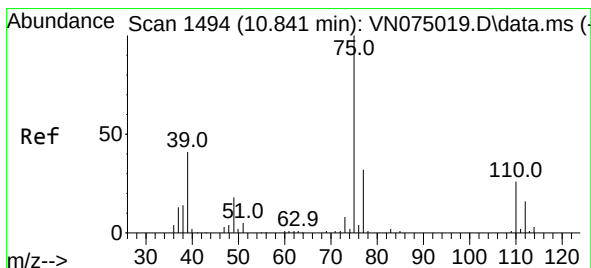
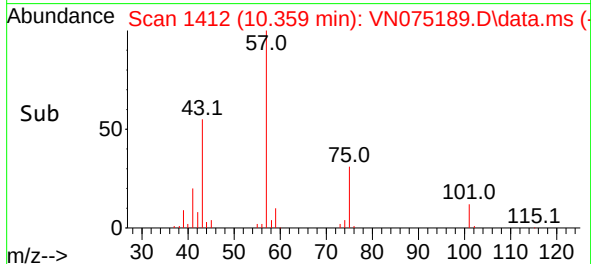
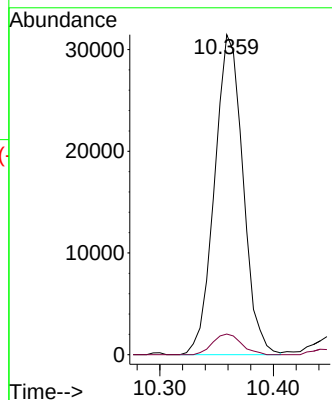
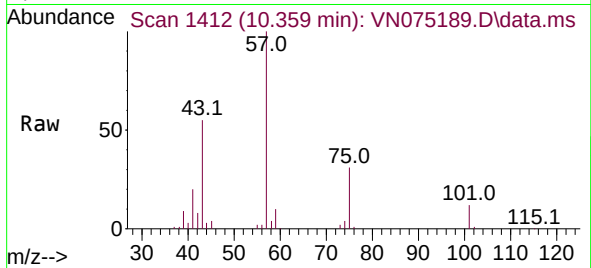




#51
4-Methyl-2-Pentanone
Concen: 27.853 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

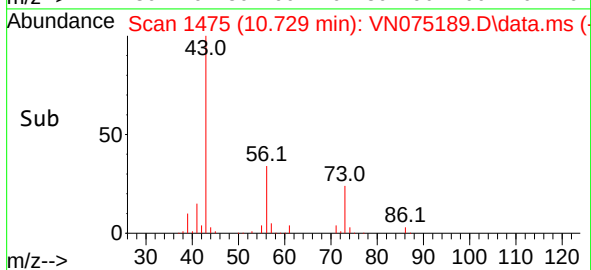
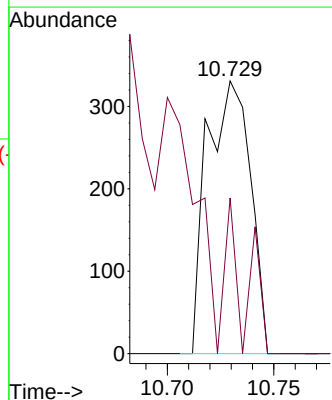
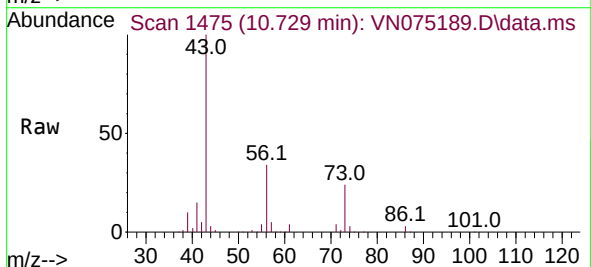
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#01

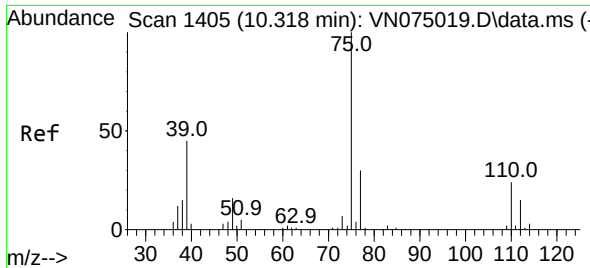
Tgt Ion: 43 Resp: 54776
Ion Ratio Lower Upper
43 100
58 6.5 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.226 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.112 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

Tgt Ion: 75 Resp: 469
Ion Ratio Lower Upper
75 100
77 57.1 25.4 38.2#

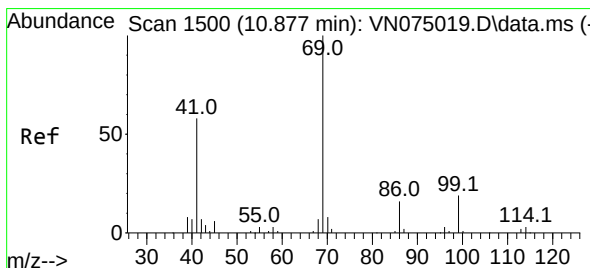
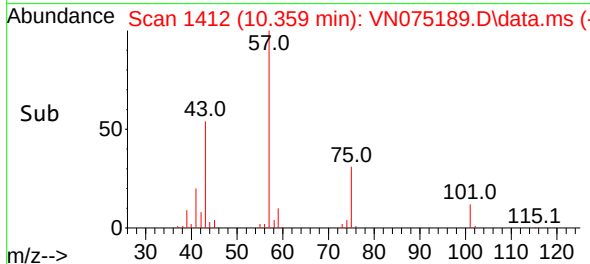
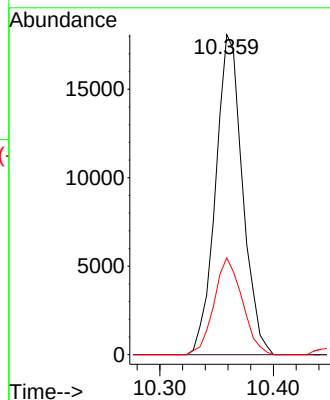
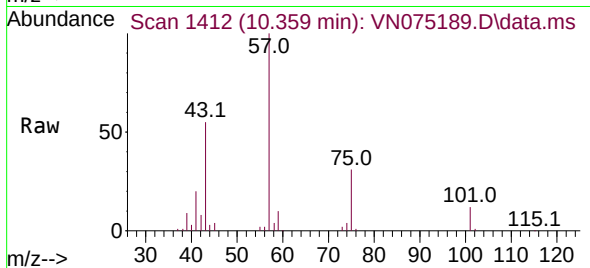




#54
cis-1,3-Dichloropropene
Concen: 13.542 ug/l
RT: 10.359 min Scan# 1405
Delta R.T. 0.041 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

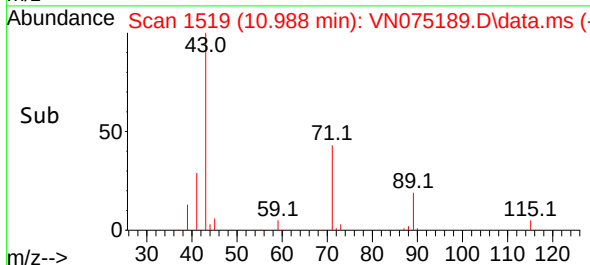
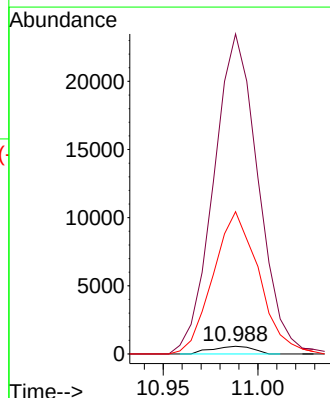
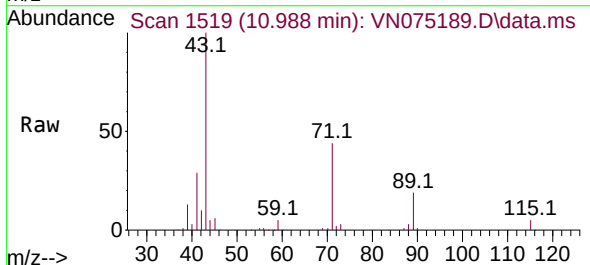
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#01

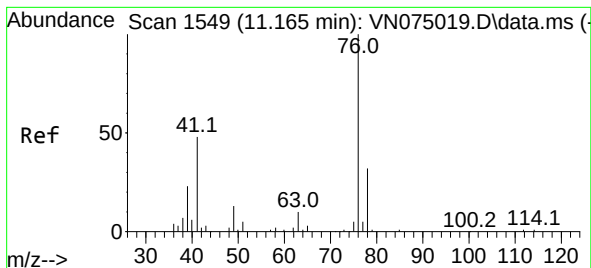
Tgt Ion: 75 Resp: 29859
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 30.3 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.386 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

Tgt Ion: 69 Resp: 856
Ion Ratio Lower Upper
69 100
41 4516.1 45.6 68.4#
39 2058.3 28.5 42.7#

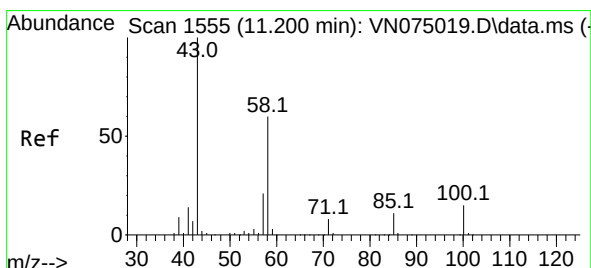
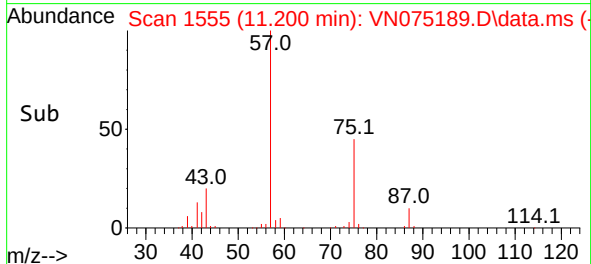
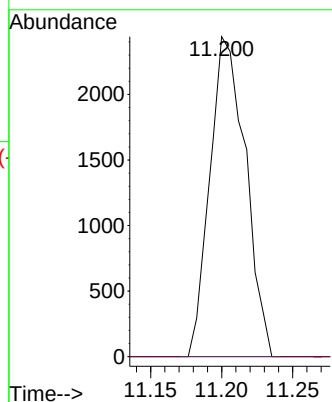
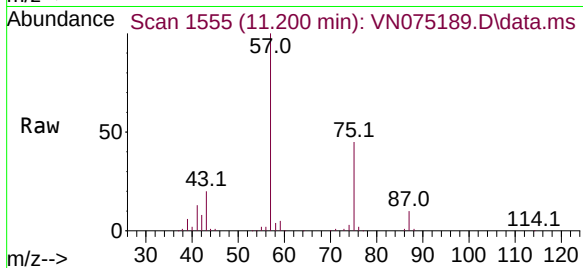




#57
1,3-Dichloropropane
Concen: 1.758 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

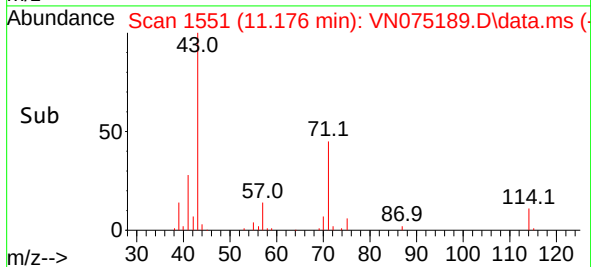
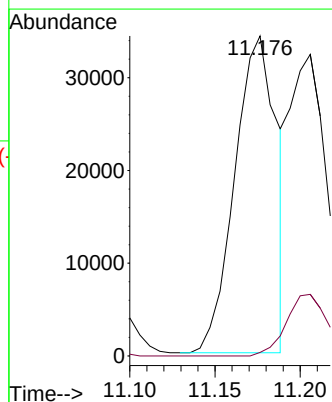
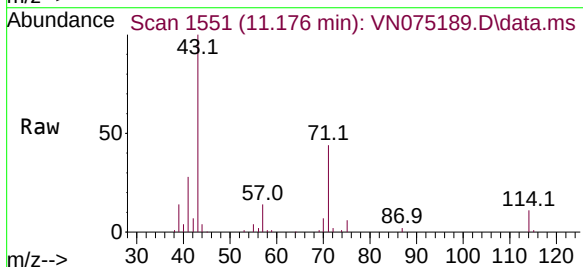
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#01

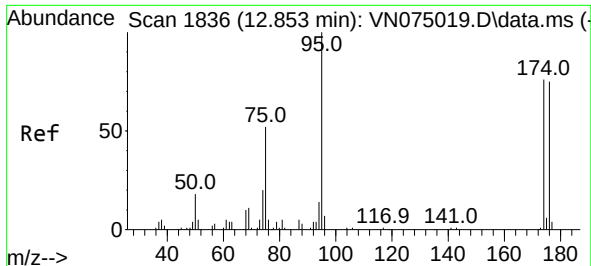
Tgt Ion: 76 Resp: 4256
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 39.236 ug/l
RT: 11.176 min Scan# 1551
Delta R.T. -0.024 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

Tgt Ion: 43 Resp: 58563
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#

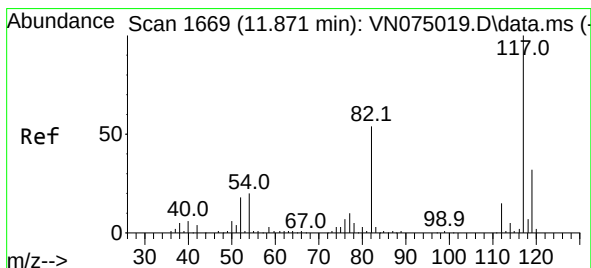
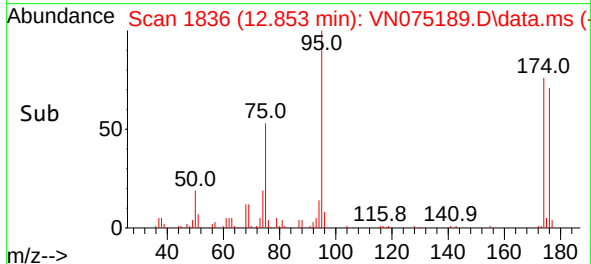
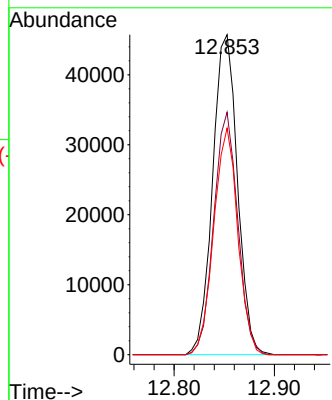
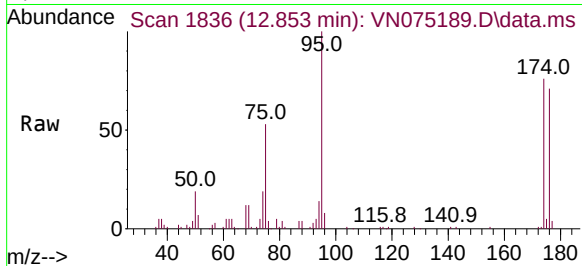




#62
4-Bromofluorobenzene
Concen: 49.762 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

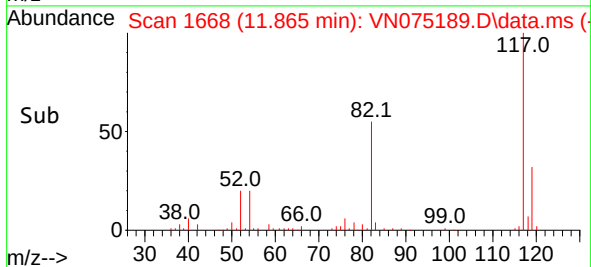
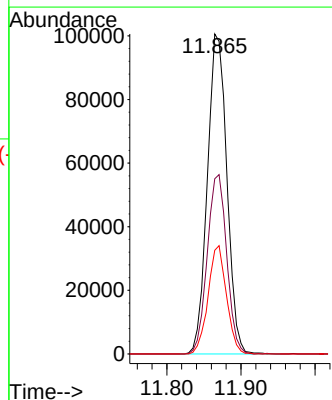
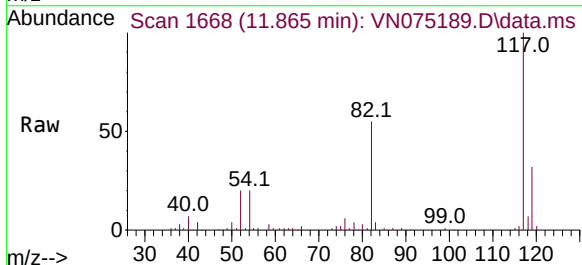
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#01

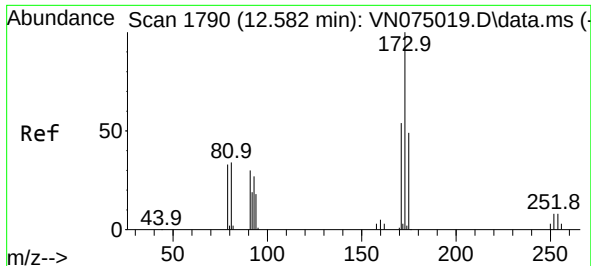
Tgt Ion: 95 Resp: 78480
Ion Ratio Lower Upper
95 100
174 73.0 0.0 147.4
176 68.7 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

Tgt Ion: 117 Resp: 183927
Ion Ratio Lower Upper
117 100
82 54.8 43.1 64.7
119 32.4 25.5 38.3

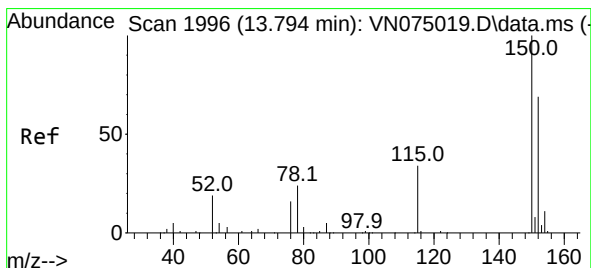
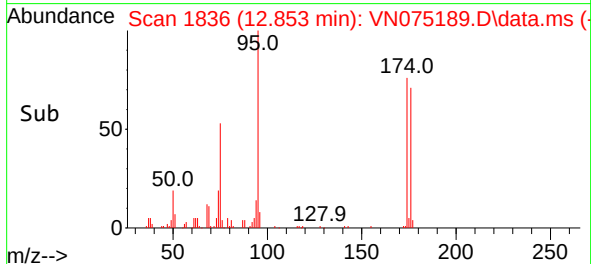
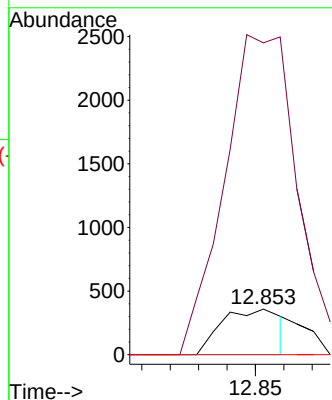
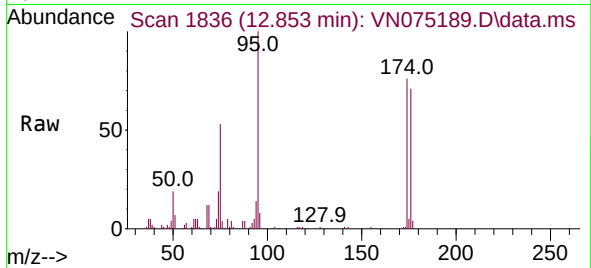




#71
Bromoform
Concen: 0.481 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

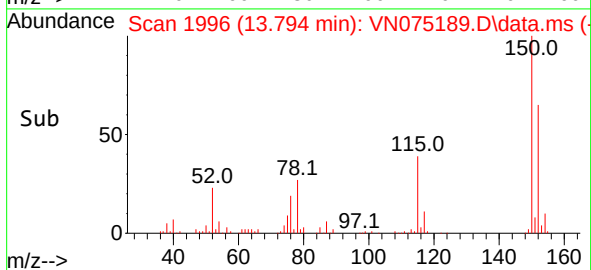
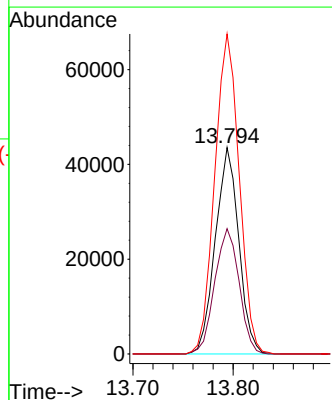
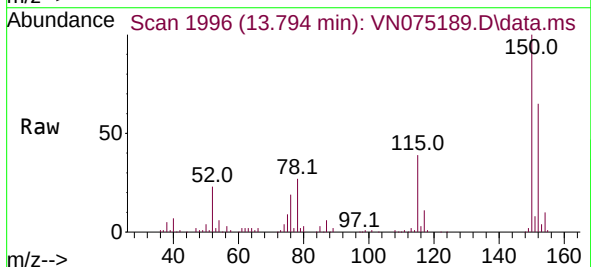
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#01

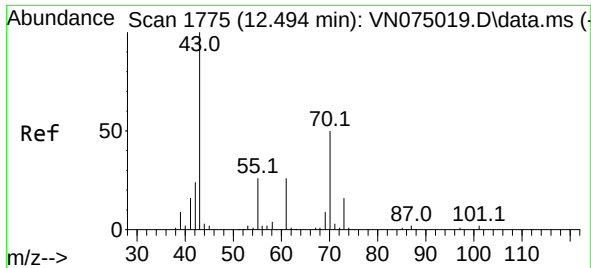
Tgt Ion:173 Resp: 524
Ion Ratio Lower Upper
173 100
175 531.9 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

Tgt Ion:152 Resp: 70652
Ion Ratio Lower Upper
152 100
115 63.2 30.2 90.6
150 161.7 0.0 348.4

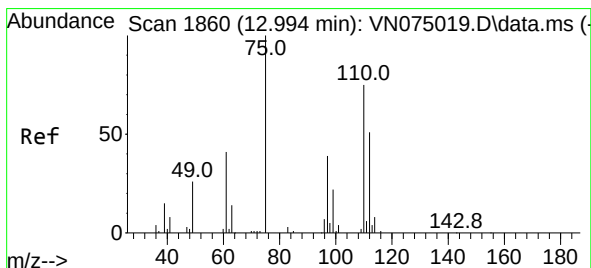
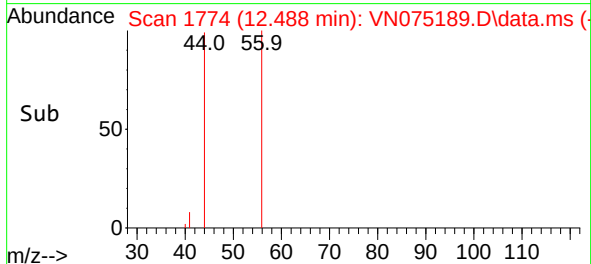
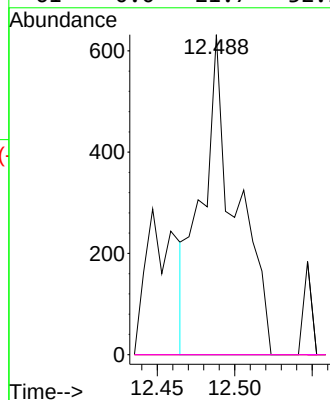
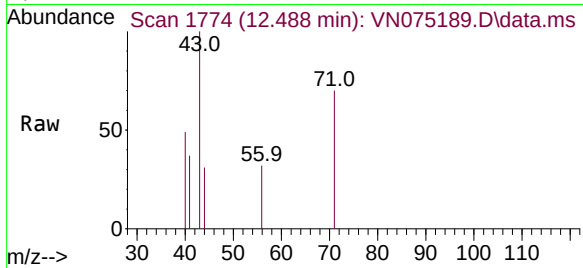




#74
N-amy1 acetate
Concen: 0.459 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

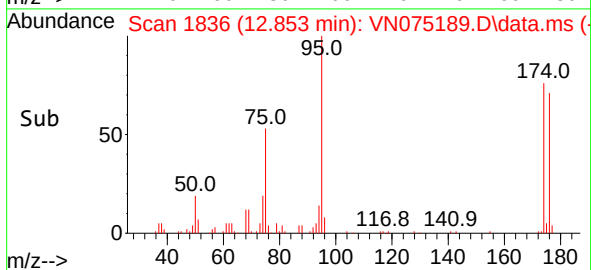
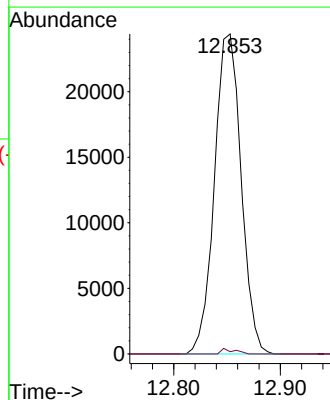
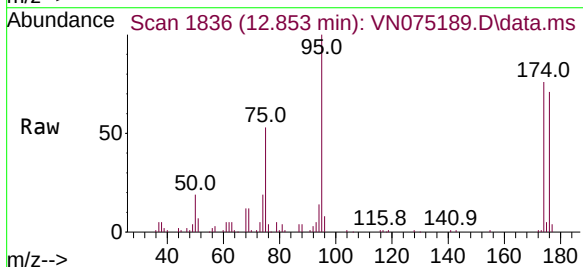
Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#01

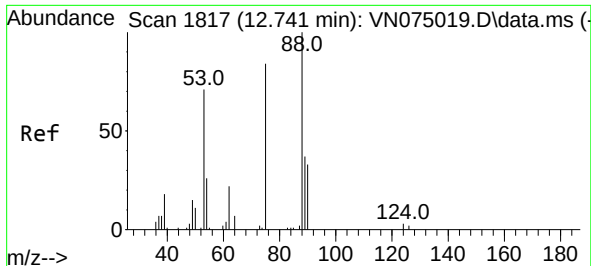
Tgt Ion: 43	Resp: 963
Ion Ratio	Lower Upper
43 100	
70 0.0	39.8 59.8#
55 0.0	19.9 29.9#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 28.280 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

Tgt Ion: 75	Resp: 42423
Ion Ratio	Lower Upper
75 100	
77 0.9	75.6 226.8#

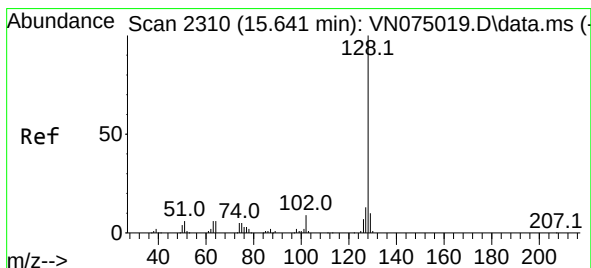
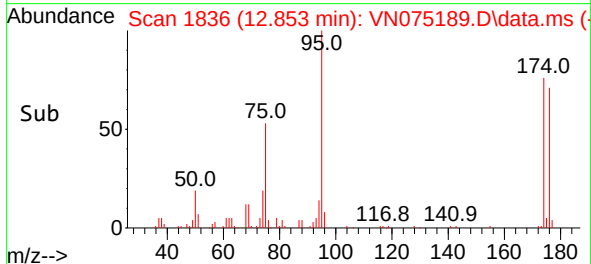
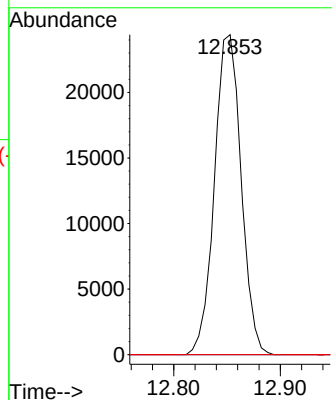
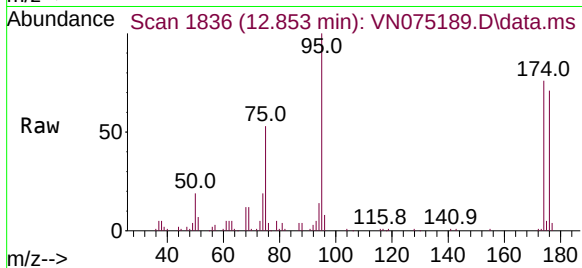




#81
trans-1,4-Dichloro-2-butene
Concen: 72.593 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

Instrument :
MSVOA_N
ClientSampleId :
PB148848ZHE#01

Tgt Ion: 75 Resp: 42423
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#95
Naphthalene
Concen: 0.321 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075189.D
Acq: 07 Nov 2022 15:45

Tgt Ion:128 Resp: 1292
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 12.8#

