

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110222\
 Data File : VN075116.D
 Acq On : 02 Nov 2022 14:51
 Operator : JC\MD
 Sample : N5380-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-C

Quant Time: Nov 03 04:17:23 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)

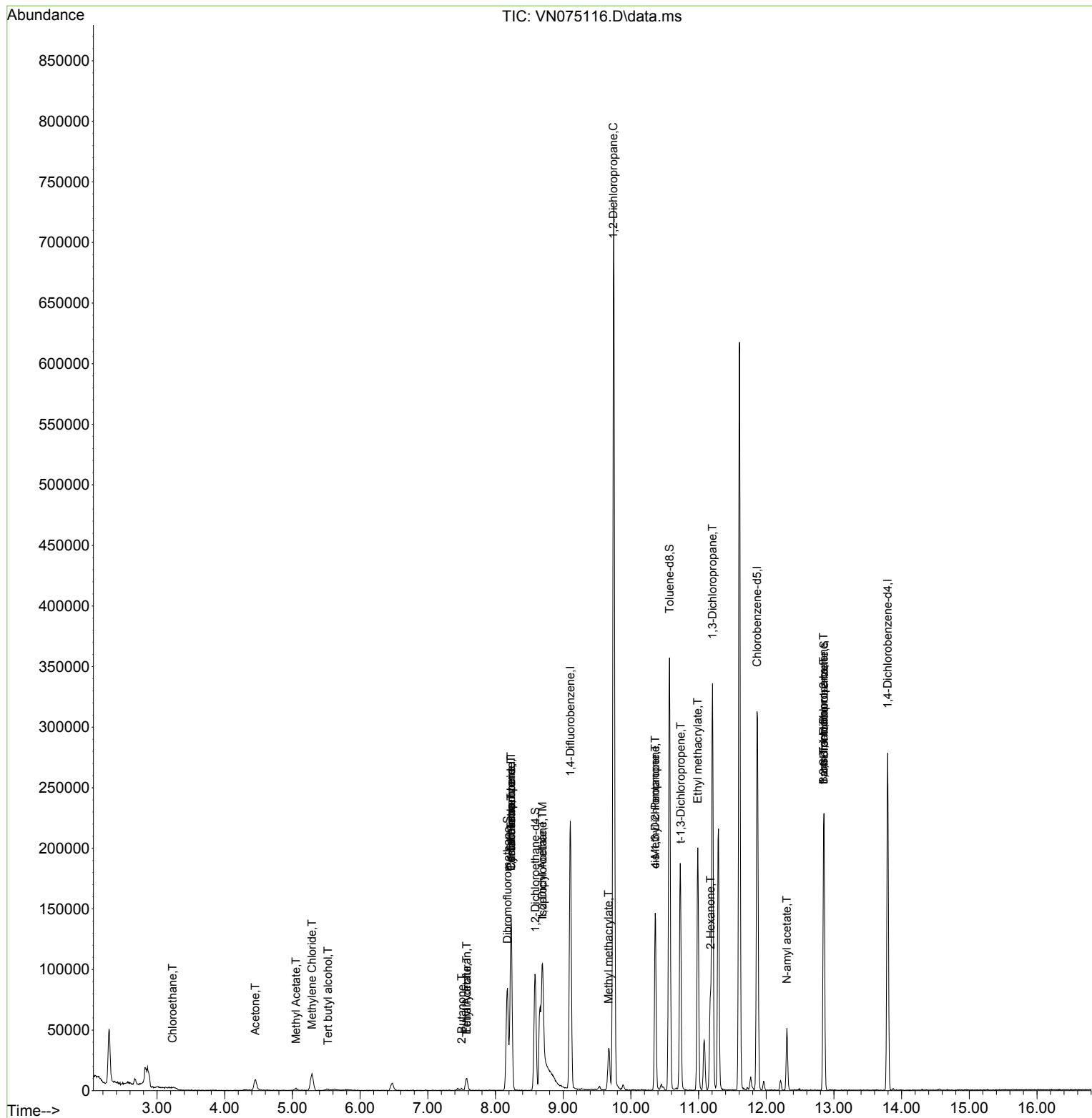
Internal Standards						
1) Pentafluorobenzene	8.230	168	98720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	192483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	180733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	70911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	78850	59.280	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 118.560%	
35) Dibromofluoromethane	8.177	113	59994	53.093	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.180%	
50) Toluene-d8	10.571	98	242066	55.216	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.440%	
62) 4-Bromofluorobenzene	12.853	95	78285	50.834	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.660%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.930	94	57	Below Cal	#	5
6) Chloroethane	3.230	64	601	0.431	ug/l #	45
11) Tert butyl alcohol	5.524	59	275	0.887	ug/l #	72
16) Acetone	4.453	43	17673	31.379	ug/l	94
18) Methyl Acetate	5.053	43	2882	1.567	ug/l #	81
20) Methylene Chloride	5.289	84	10864	8.651	ug/l	96
25) 2-Butanone	7.500	43	2385	2.692	ug/l	90
29) Tetrahydrofuran	7.577	42	947	1.654	ug/l #	26
31) Cyclohexane	8.230	56	2434	1.230	ug/l #	4
36) 1,1-Dichloropropene	8.230	75	9207	5.263	ug/l #	51
37) Ethyl Acetate	7.577	43	15261	7.955	ug/l	97
38) Carbon Tetrachloride	8.230	117	11113	5.775	ug/l #	12
42) 1,2-Dichloroethane	8.694	62	609	0.313	ug/l #	75
43) Isopropyl Acetate	8.694	43	200300	67.308	ug/l #	67
45) 1,2-Dichloropropane	9.741	63	873	0.685	ug/l #	42
48) Methyl methacrylate	9.671	41	2108	1.544	ug/l #	34
51) 4-Methyl-2-Pentanone	10.359	43	52440	27.307	ug/l #	43
53) t-1,3-Dichloropropene	10.735	75	486	0.239	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	26784	12.440	ug/l #	68
56) Ethyl methacrylate	10.988	69	684	0.316	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3680	1.556	ug/l #	42
59) 2-Hexanone	11.176	43	56156	38.529	ug/l #	21
71) Bromoform	12.847	173	823	0.768	ug/l #	1
74) N-amyl acetate	12.306	43	15269	7.252	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	42513	28.236	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	42513	72.482	ug/l #	10

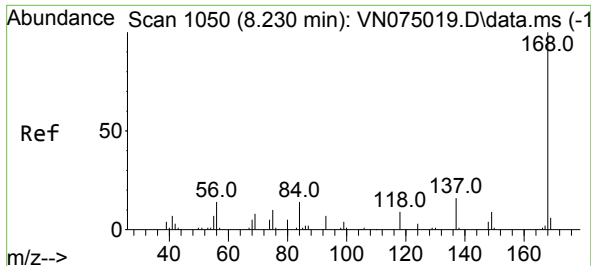
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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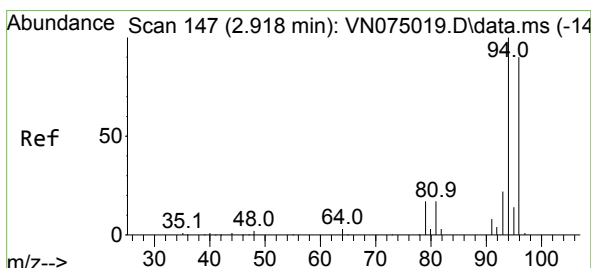
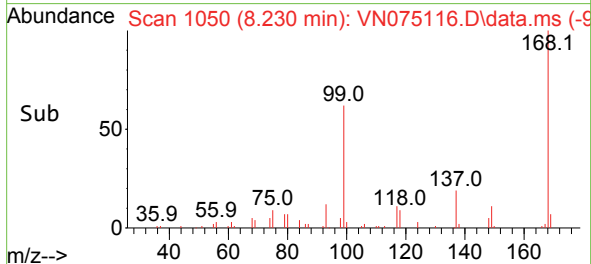
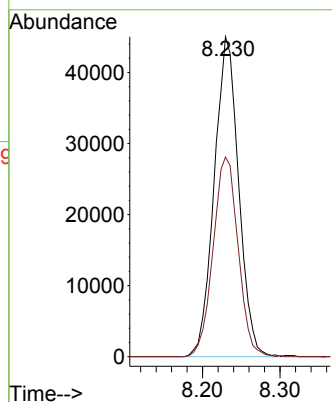
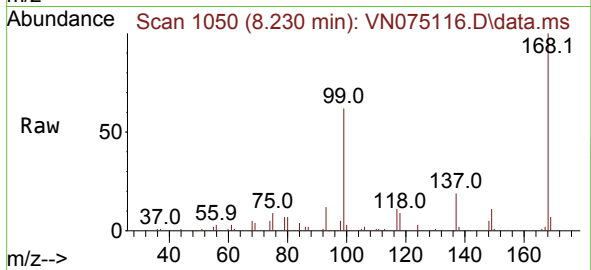




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

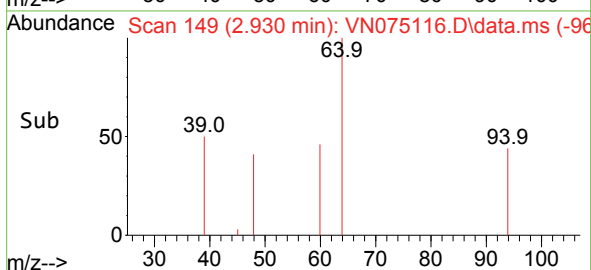
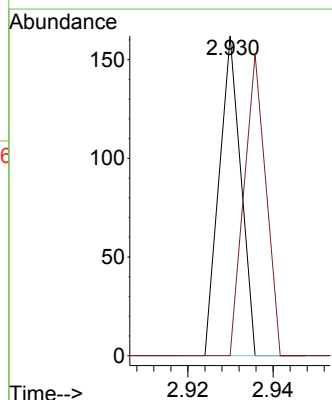
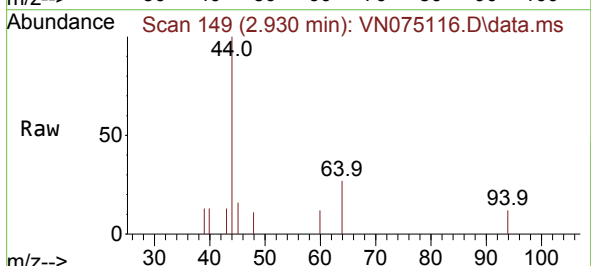
Instrument :
MSVOA_N
ClientSampleId :
TP-C

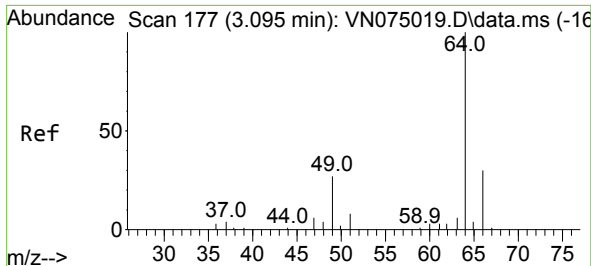
Tgt Ion:168 Resp: 98720
Ion Ratio Lower Upper
168 100
99 62.4 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.930 min Scan# 149
Delta R.T. 0.012 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

Tgt Ion: 94 Resp: 57
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

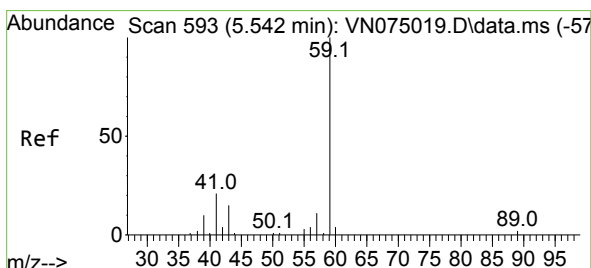
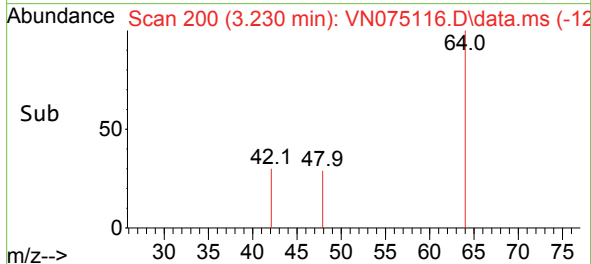
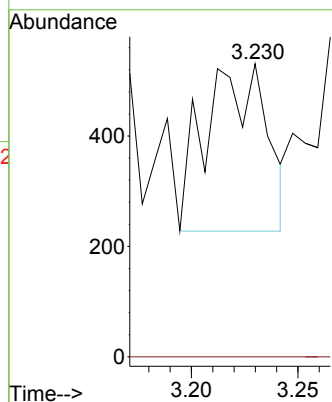
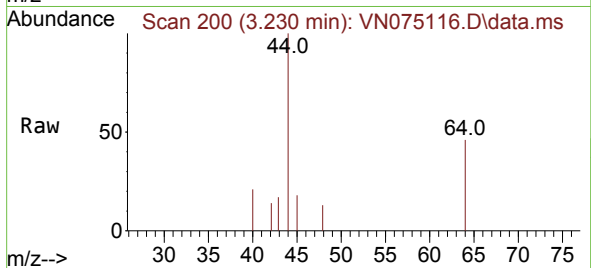




#6
Chloroethane
Concen: 0.431 ug/l
RT: 3.230 min Scan# 20
Delta R.T. 0.135 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

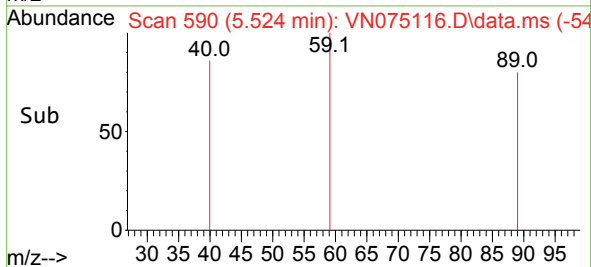
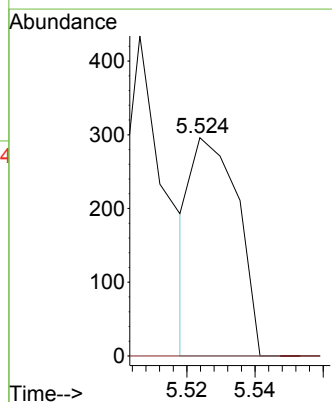
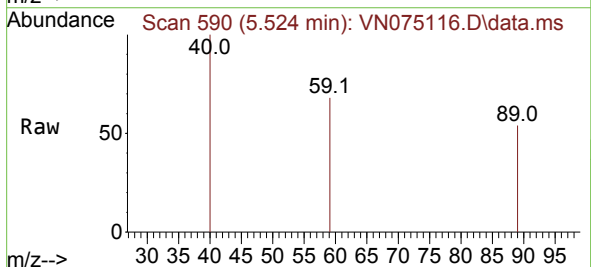
Instrument :
MSVOA_N
ClientSampleId :
TP-C

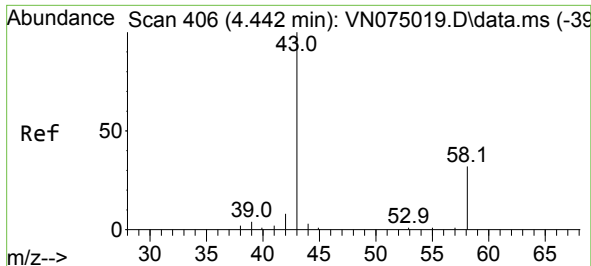
Tgt Ion: 64 Resp: 601
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 0.887 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.018 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#16

Acetone

Concen: 31.379 ug/l

RT: 4.453 min Scan# 40

Delta R.T. 0.011 min

Lab File: VN075116.D

Acq: 02 Nov 2022 14:51

Instrument :

MSVOA_N

ClientSampleId :

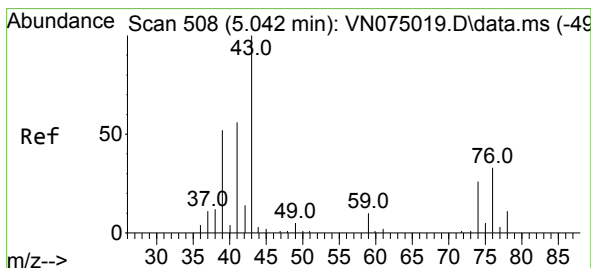
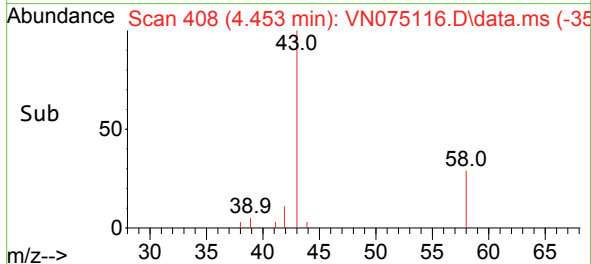
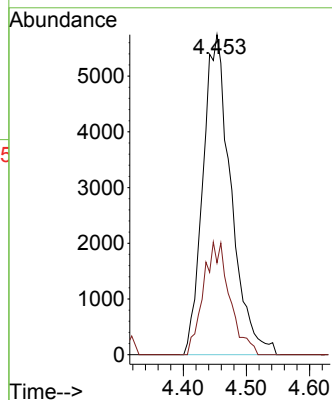
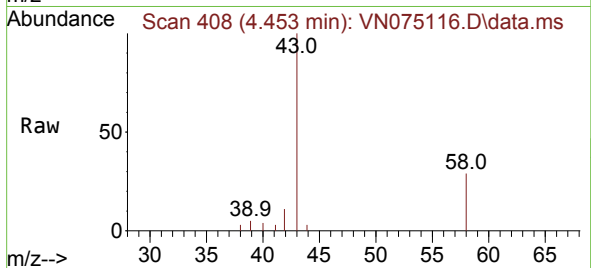
TP-C

Tgt Ion: 43 Resp: 17673

Ion Ratio Lower Upper

43 100

58 28.7 25.5 38.3



#18

Methyl Acetate

Concen: 1.567 ug/l

RT: 5.053 min Scan# 510

Delta R.T. 0.011 min

Lab File: VN075116.D

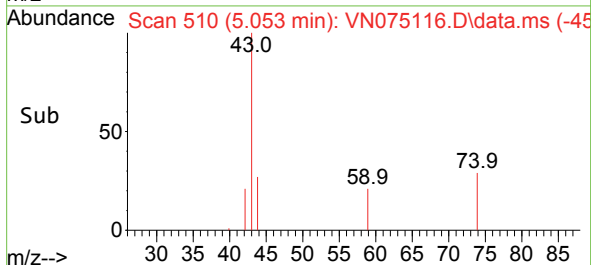
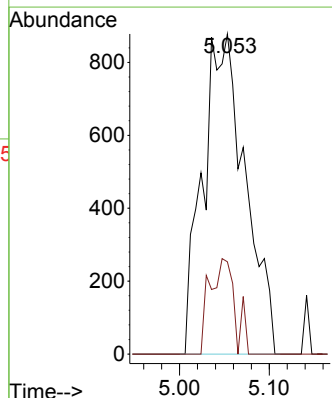
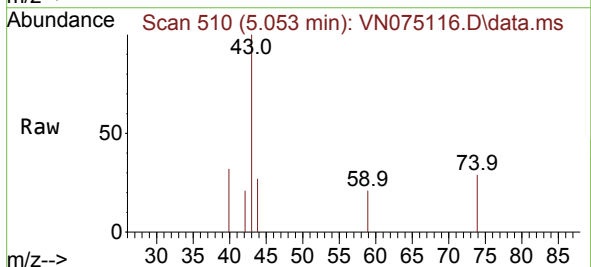
Acq: 02 Nov 2022 14:51

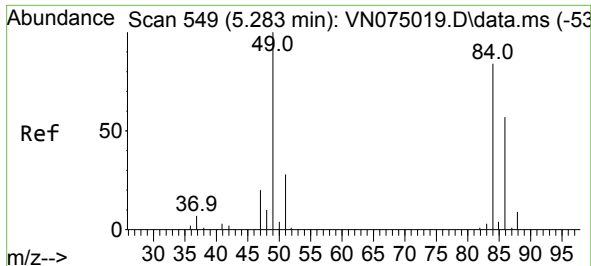
Tgt Ion: 43 Resp: 2882

Ion Ratio Lower Upper

43 100

74 17.7 22.0 33.0#

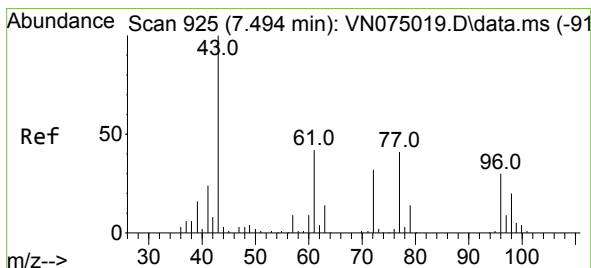
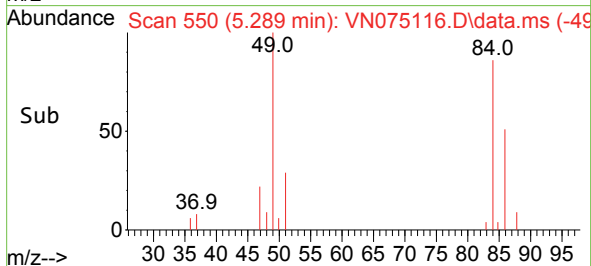
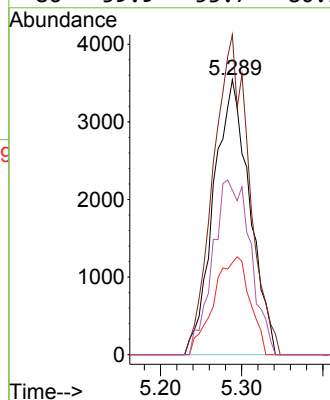
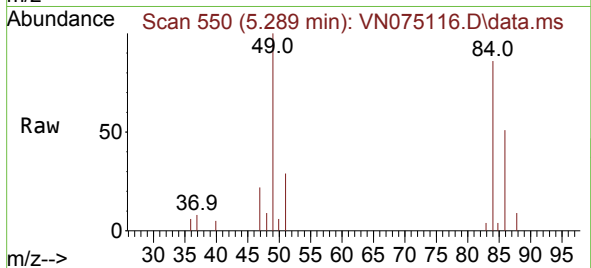




#20
Methylene Chloride
Concen: 8.651 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

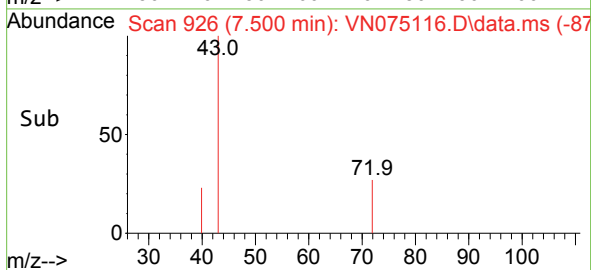
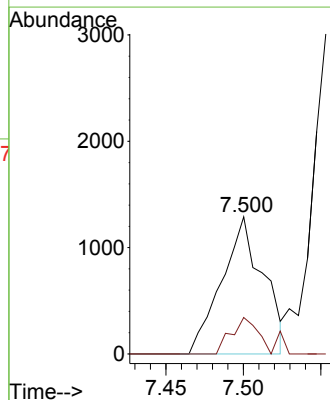
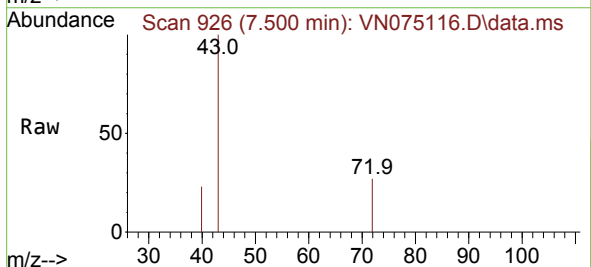
Instrument :
MSVOA_N
ClientSampleId :
TP-C

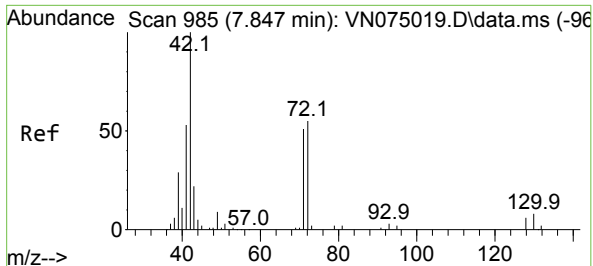
Tgt Ion: 84	Resp: 10864
Ion Ratio	Lower Upper
84 100	
49 116.4	94.9 142.3
51 33.5	26.8 40.2
86 59.9	53.7 80.5



#25
2-Butanone
Concen: 2.692 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

Tgt Ion: 43	Resp: 2385		
Ion Ratio	Lower	Upper	
43 100			
72 26.6	25.5	38.3	





#29

Tetrahydrofuran

Concen: 1.654 ug/l

RT: 7.577 min Scan# 91

Delta R.T. -0.270 min

Lab File: VN075116.D

Acq: 02 Nov 2022 14:51

Instrument :

MSVOA_N

ClientSampleId :

TP-C

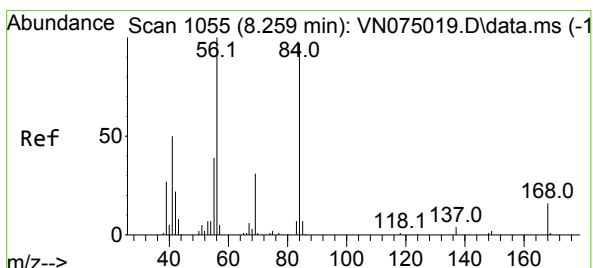
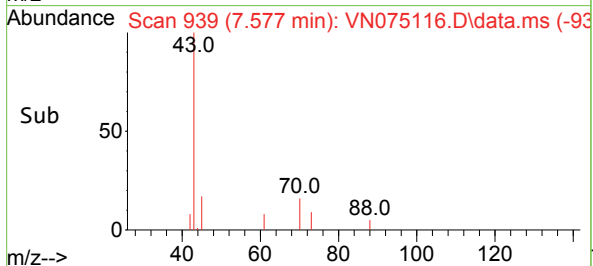
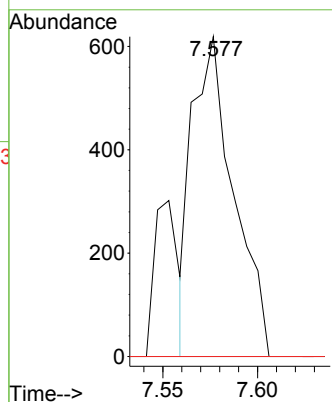
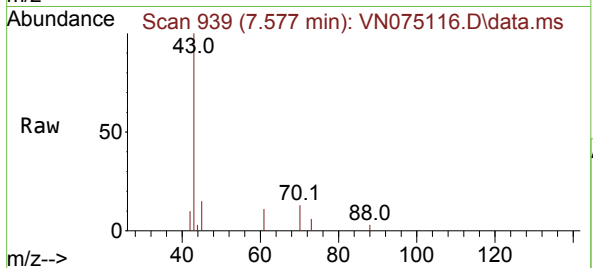
Tgt Ion: 42 Resp: 947

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.230 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.029 min

Lab File: VN075116.D

Acq: 02 Nov 2022 14:51

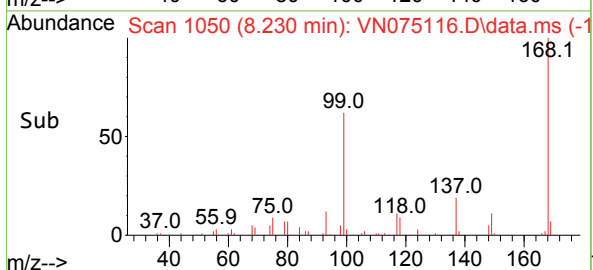
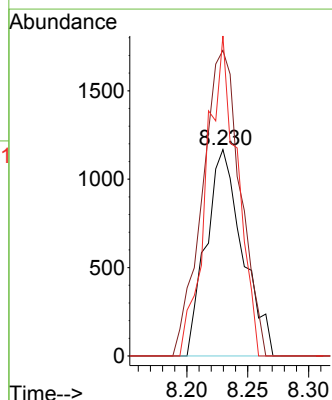
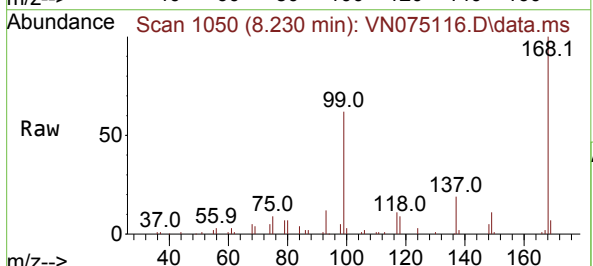
Tgt Ion: 56 Resp: 2434

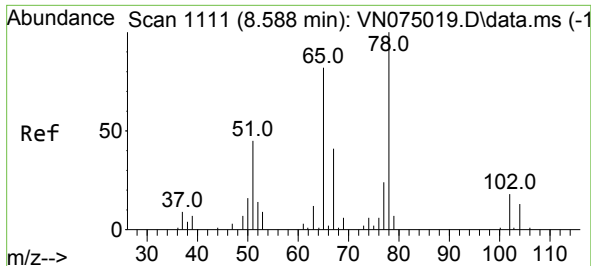
Ion Ratio Lower Upper

56 100

69 148.0 25.2 37.8#

84 155.0 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 59.280 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VN075116.D

Acq: 02 Nov 2022 14:51

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ClientSampleId :

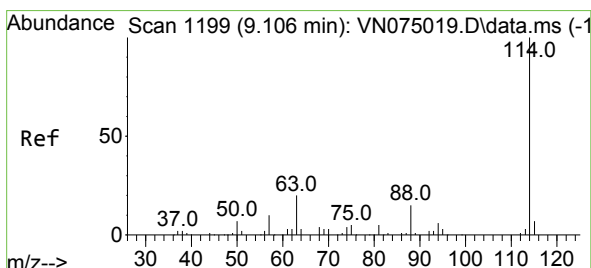
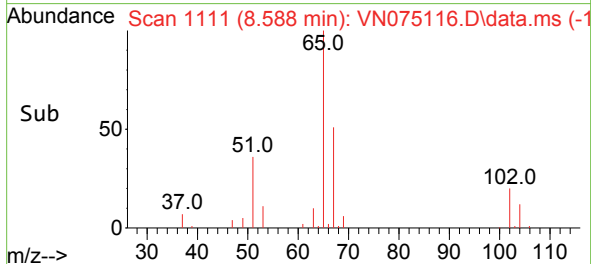
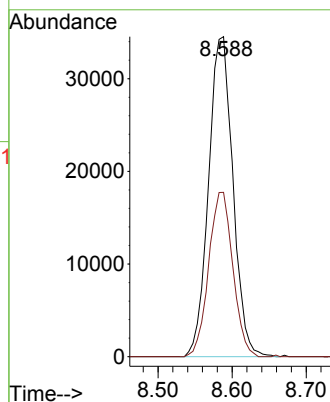
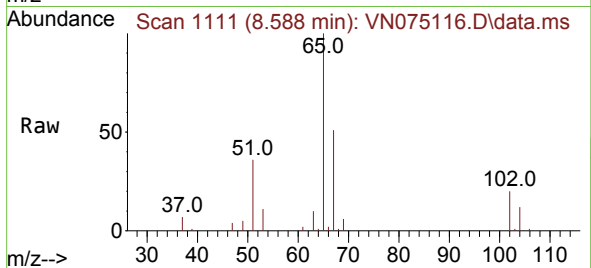
TP-C

Tgt Ion: 65 Resp: 78850

Ion Ratio Lower Upper

65 100

67 50.9 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: VN075116.D

Acq: 02 Nov 2022 14:51

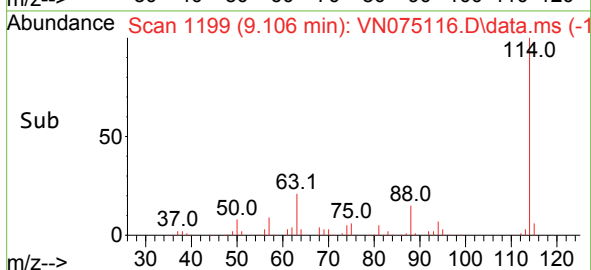
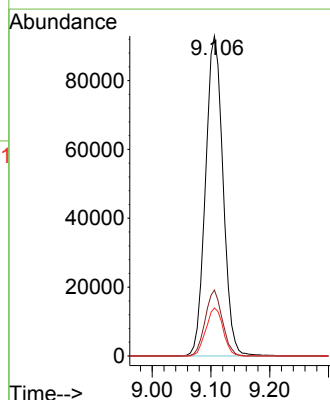
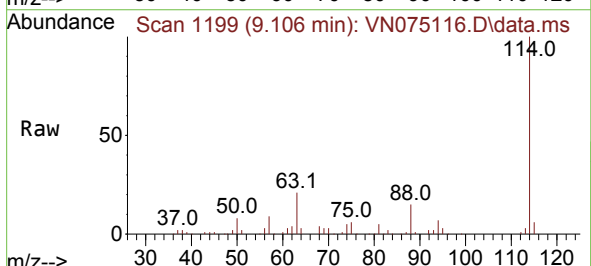
Tgt Ion:114 Resp: 192483

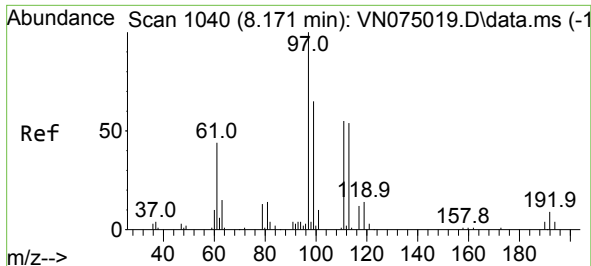
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

88 15.0 0.0 29.0

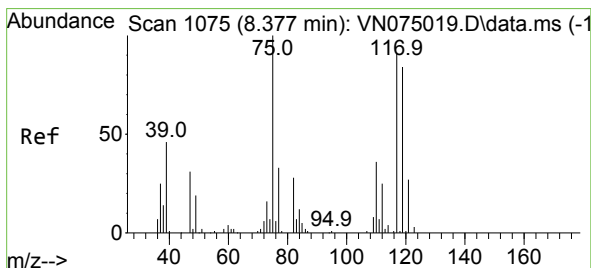
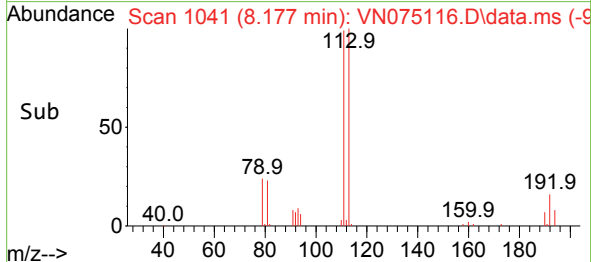
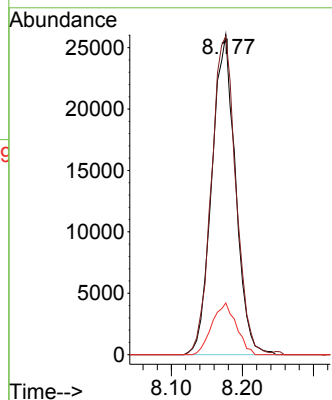
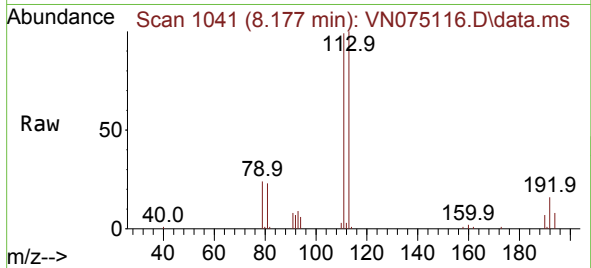




#35
Dibromofluoromethane
Concen: 53.093 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

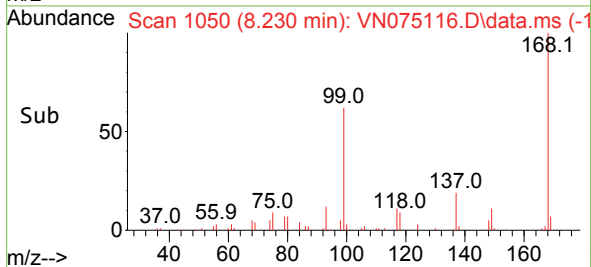
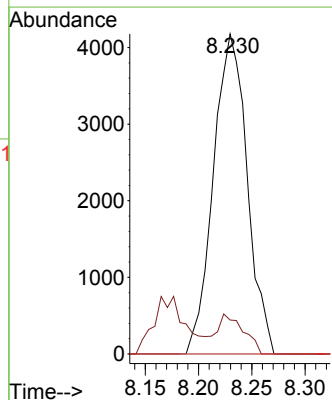
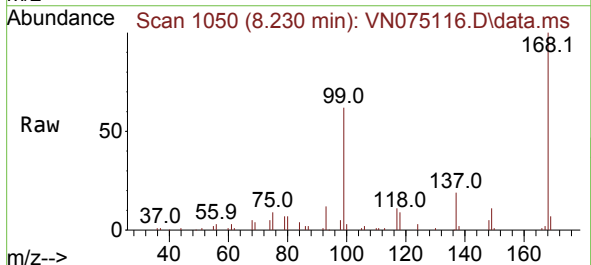
Instrument :
MSVOA_N
ClientSampleId :
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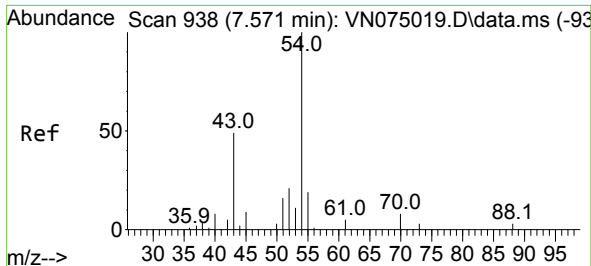
Tgt Ion:113 Resp: 59994
Ion Ratio Lower Upper
113 100
111 103.2 80.5 120.7
192 16.7 13.2 19.8



#36
1,1-Dichloropropene
Concen: 5.263 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

Tgt Ion: 75 Resp: 9207
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.3#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 7.955 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN075116.D

Acq: 02 Nov 2022 14:51

Instrument :

MSVOA_N

ClientSampleId :

TP-C

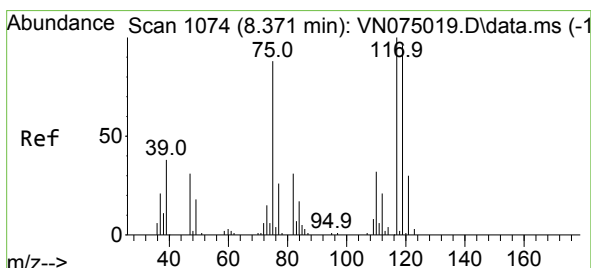
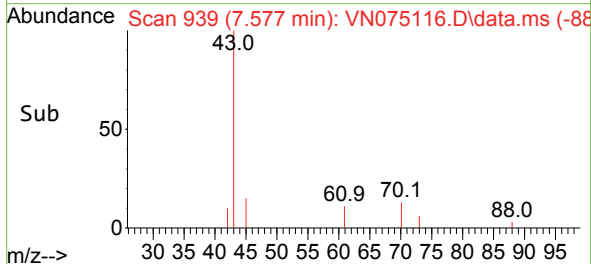
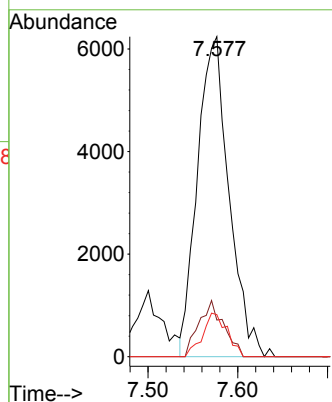
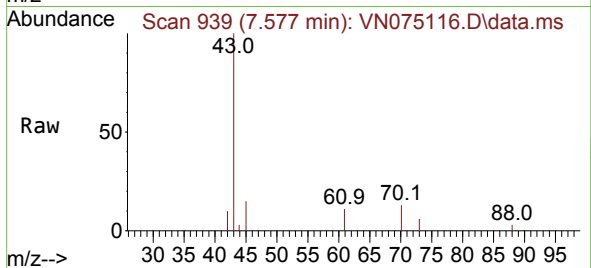
Tgt Ion: 43 Resp: 15261

Ion Ratio Lower Upper

43 100

61 13.8 12.2 18.4

70 10.5 9.4 14.2



#38

Carbon Tetrachloride

Concen: 5.775 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075116.D

Acq: 02 Nov 2022 14:51

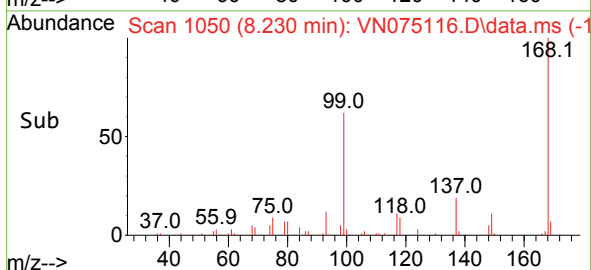
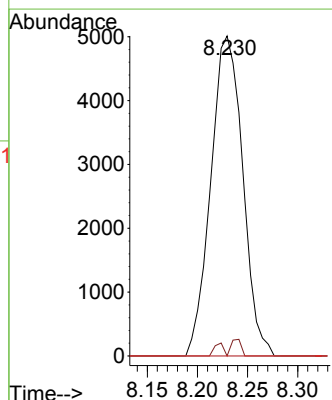
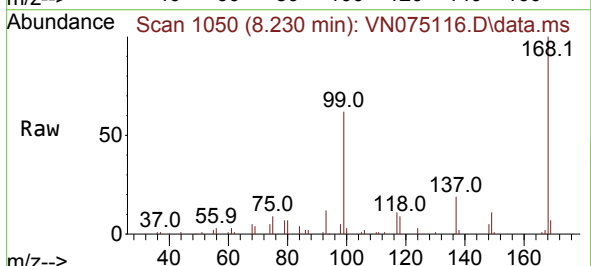
Tgt Ion: 117 Resp: 11113

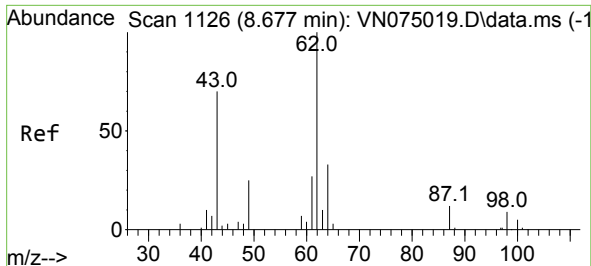
Ion Ratio Lower Upper

117 100

119 0.0 76.7 115.1#

121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.313 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.017 min

Lab File: VN075116.D

Acq: 02 Nov 2022 14:51

Instrument :

MSVOA_N

ClientSampleId :

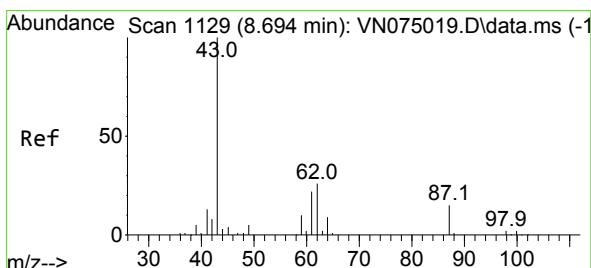
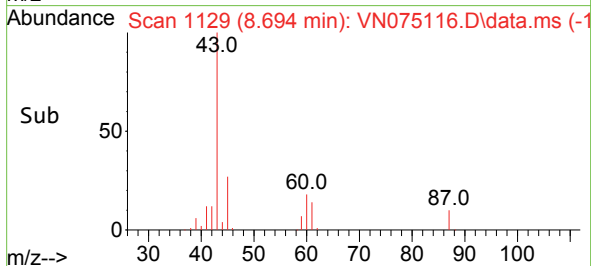
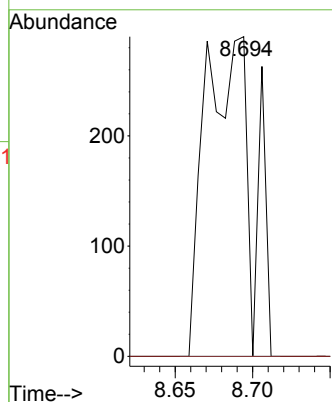
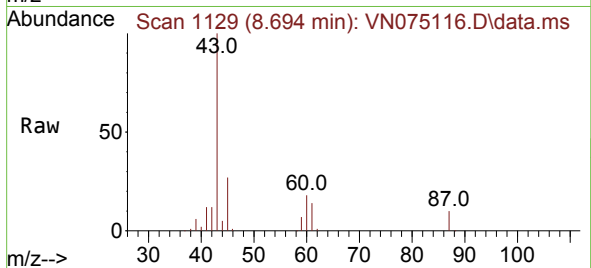
TP-C

Tgt Ion: 62 Resp: 609

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 67.308 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075116.D

Acq: 02 Nov 2022 14:51

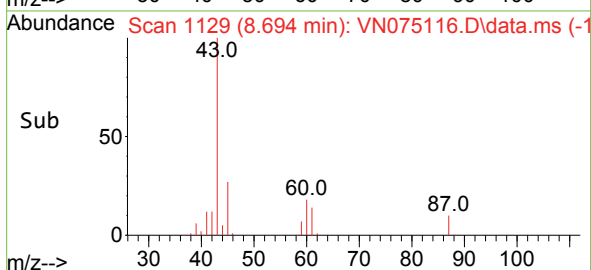
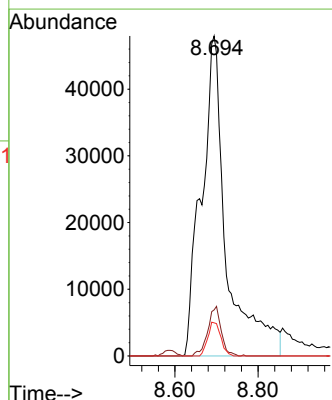
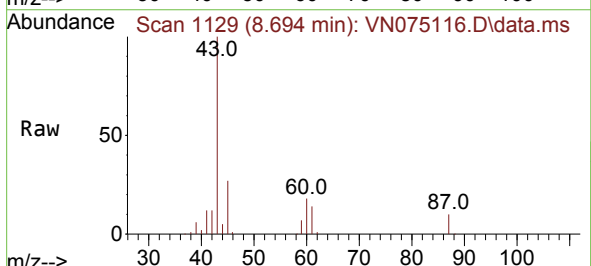
Tgt Ion: 43 Resp: 200300

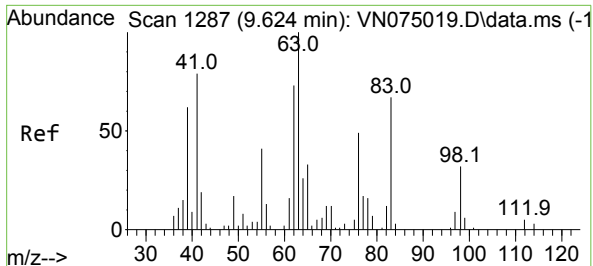
Ion Ratio Lower Upper

43 100

61 8.3 22.4 33.6#

87 5.5 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.685 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN075116.D

Acq: 02 Nov 2022 14:51

Instrument :

MSVOA_N

ClientSampleId :

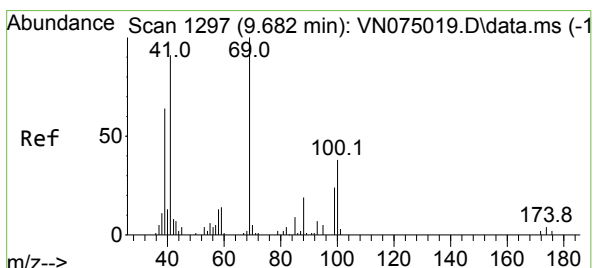
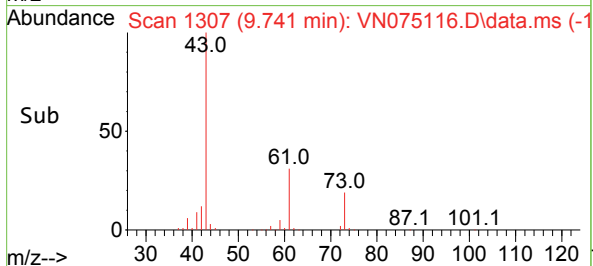
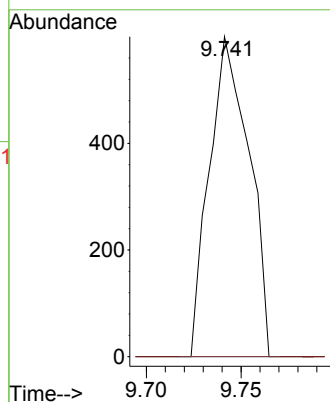
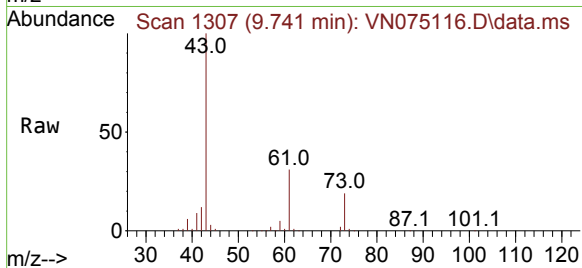
TP-C

Tgt Ion: 63 Resp: 873

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.544 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.011 min

Lab File: VN075116.D

Acq: 02 Nov 2022 14:51

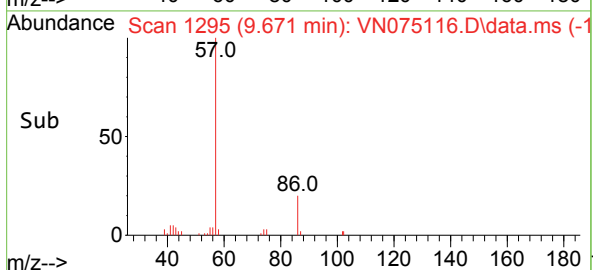
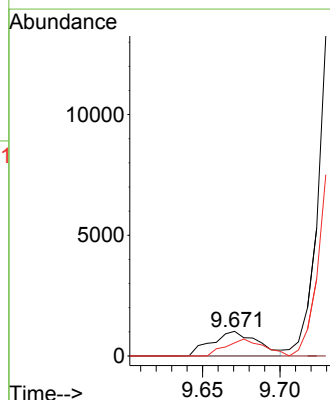
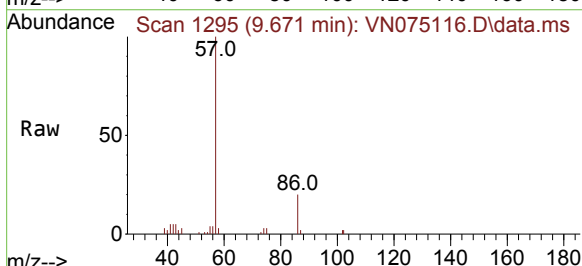
Tgt Ion: 41 Resp: 2108

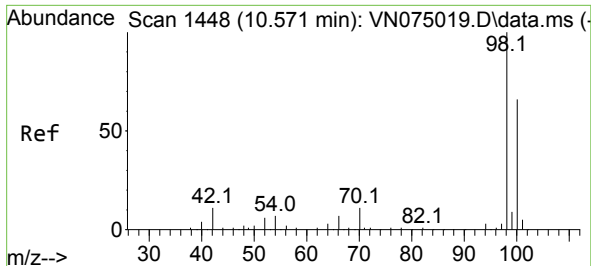
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 56.1 56.2 84.2#

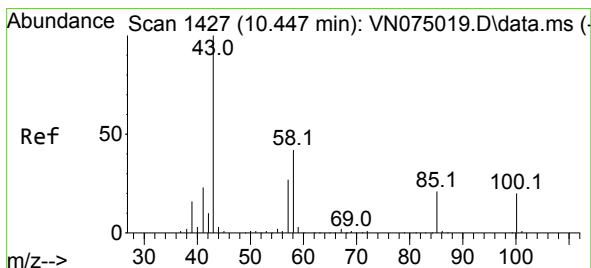
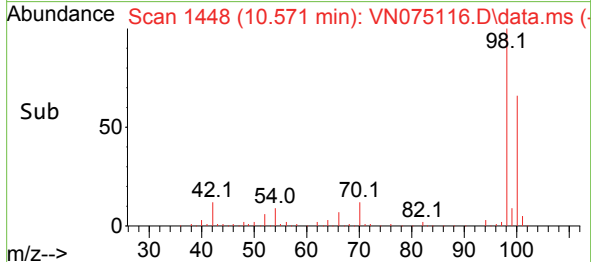
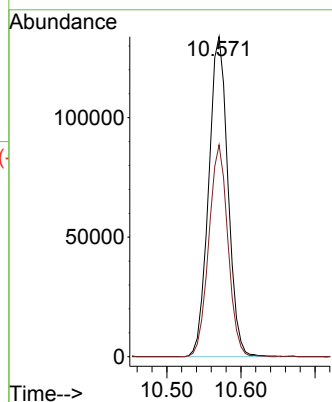
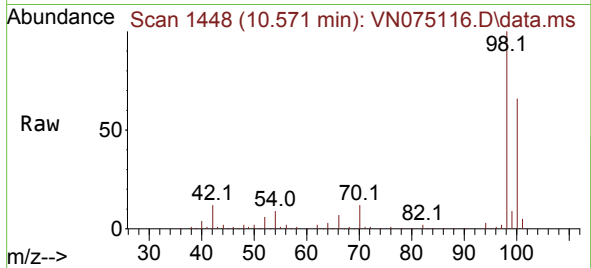




#50
Toluene-d8
Concen: 55.216 ug/l
RT: 10.571 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

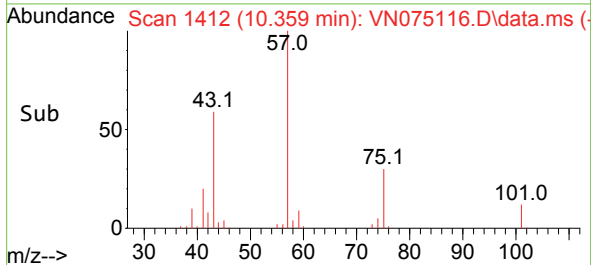
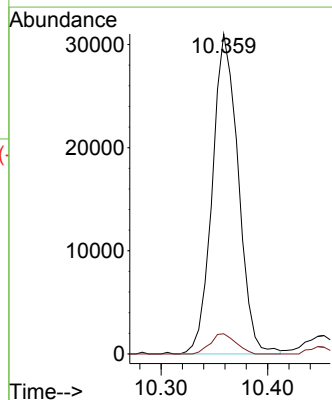
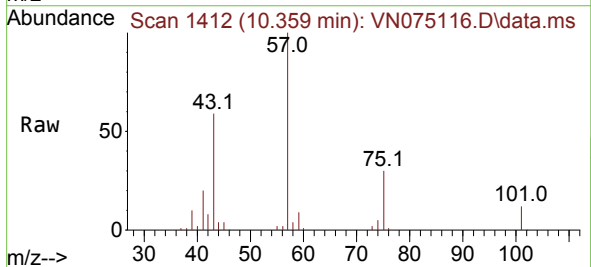
Instrument :
MSVOA_N
ClientSampleId :
TP-C

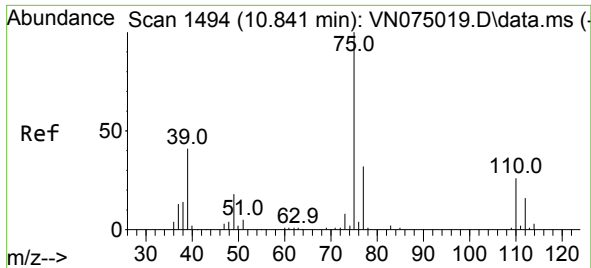
Tgt Ion: 98 Resp: 242066
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 27.307 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

Tgt Ion: 43 Resp: 52440
Ion Ratio Lower Upper
43 100
58 6.2 33.6 50.4#

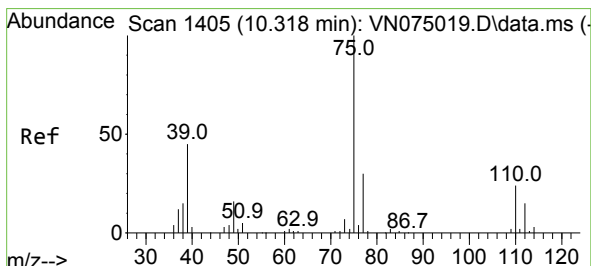
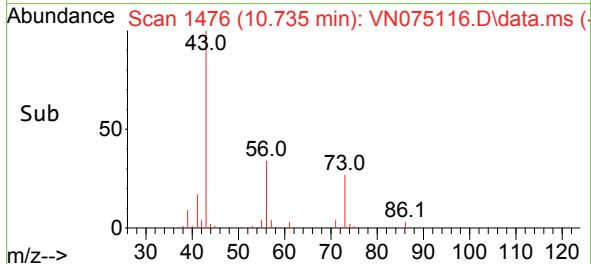
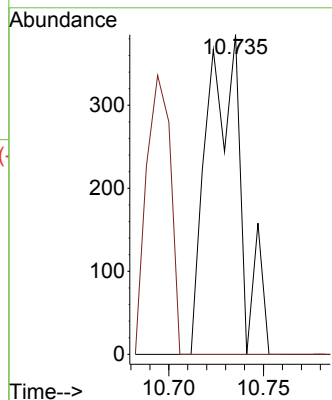
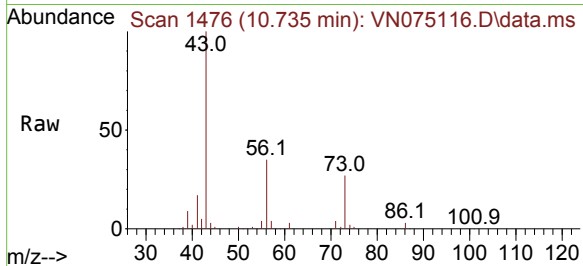




#53
t-1,3-Dichloropropene
Concen: 0.239 ug/l
RT: 10.735 min Scan# 1411
Delta R.T. -0.106 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

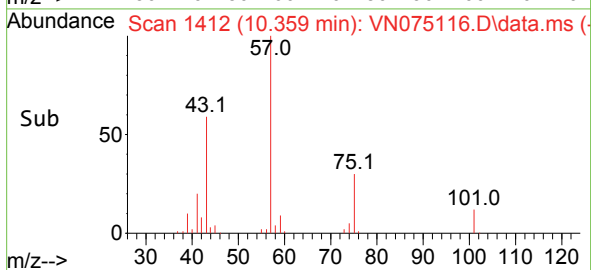
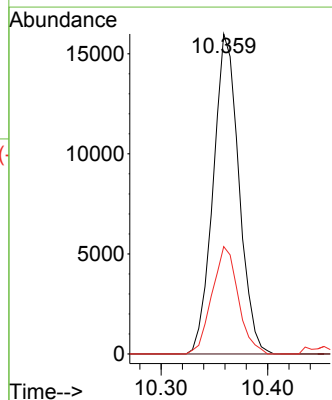
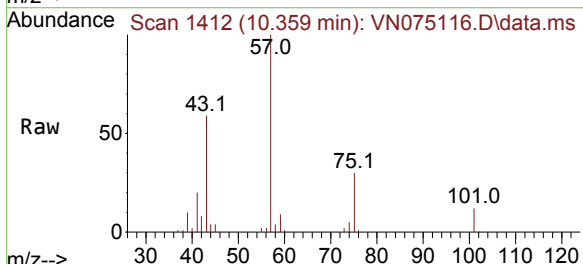
Instrument :
MSVOA_N
ClientSampleId :
TP-C

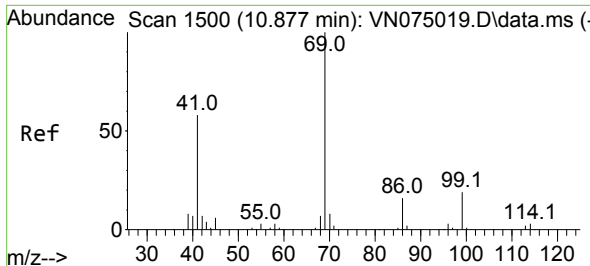
Tgt Ion: 75 Resp: 486
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 12.440 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

Tgt Ion: 75 Resp: 26784
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 33.5 35.8 53.6#

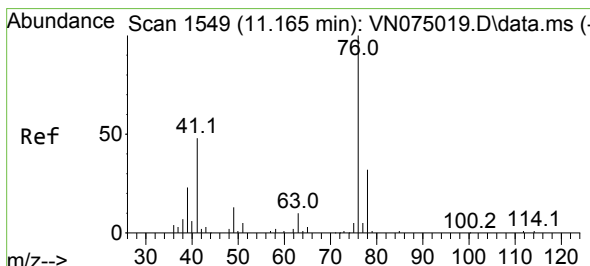
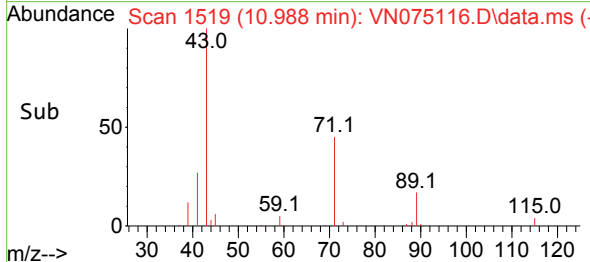
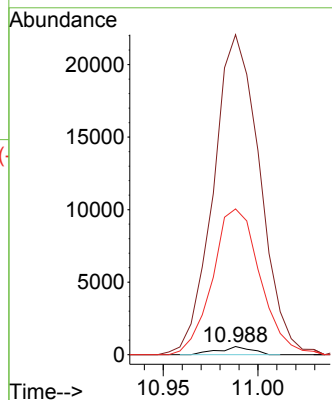
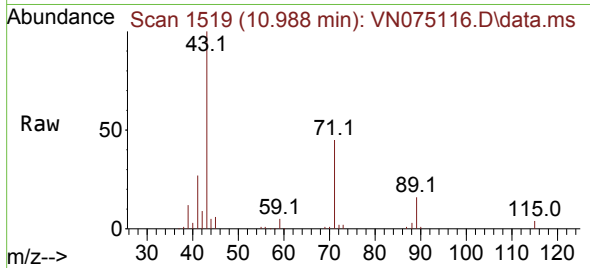




#56
Ethyl methacrylate
Concen: 0.316 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

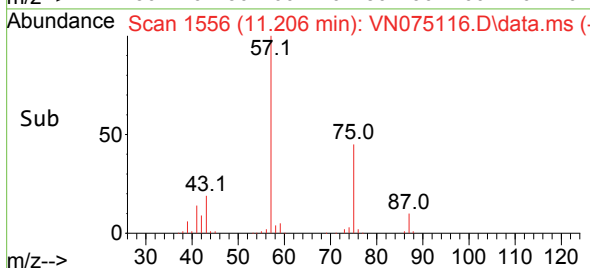
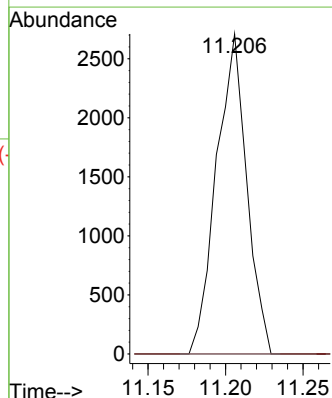
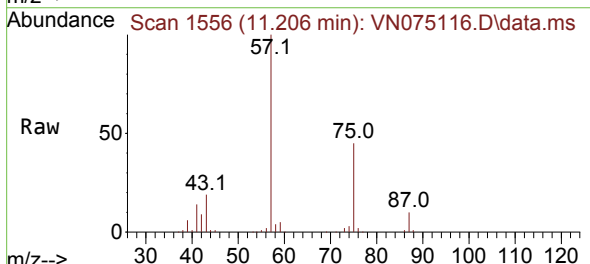
Instrument :
MSVOA_N
ClientSampleId :
TP-C

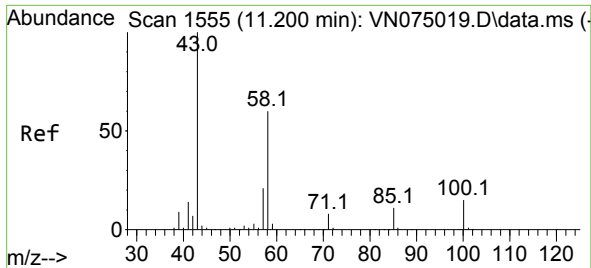
Tgt Ion: 69 Resp: 684
Ion Ratio Lower Upper
69 100
41 5534.8 45.6 68.4#
39 2578.2 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.556 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

Tgt Ion: 76 Resp: 3680
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

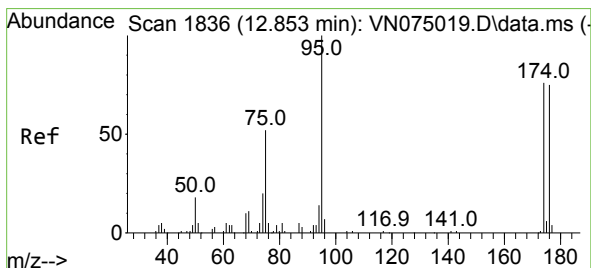
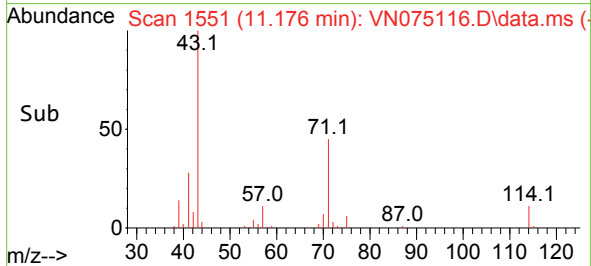
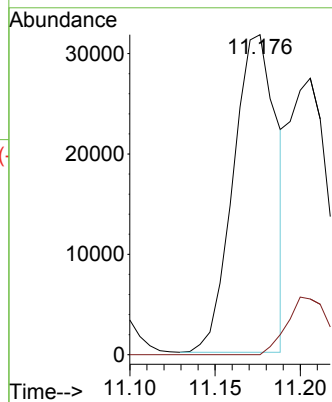
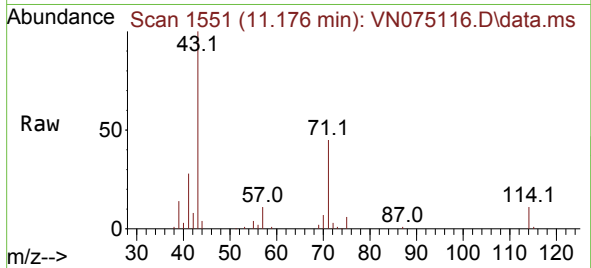




#59
2-Hexanone
Concen: 38.529 ug/l
RT: 11.176 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

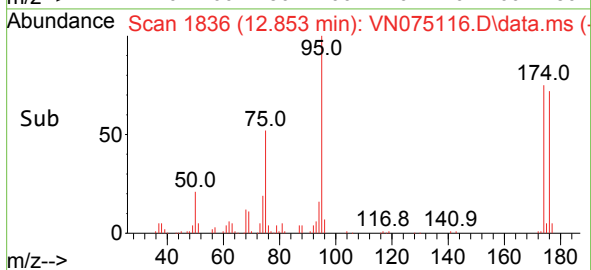
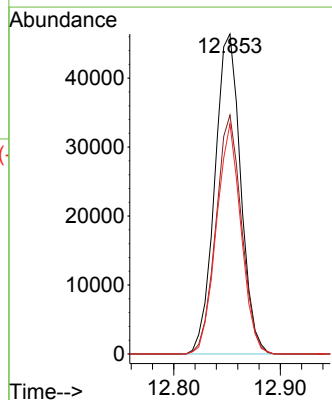
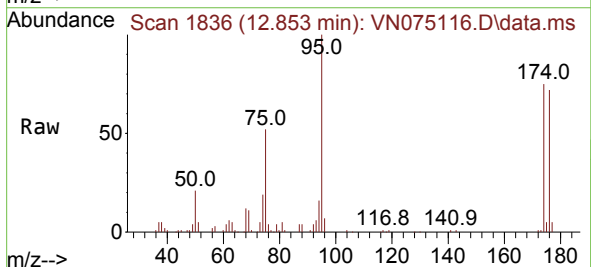
Instrument :
MSVOA_N
ClientSampleId :
TP-C

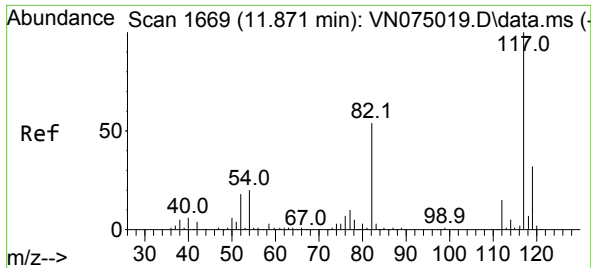
Tgt Ion: 43 Resp: 56156
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 50.834 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

Tgt Ion: 95 Resp: 78285
Ion Ratio Lower Upper
95 100
174 73.8 0.0 147.4
176 68.4 0.0 142.2

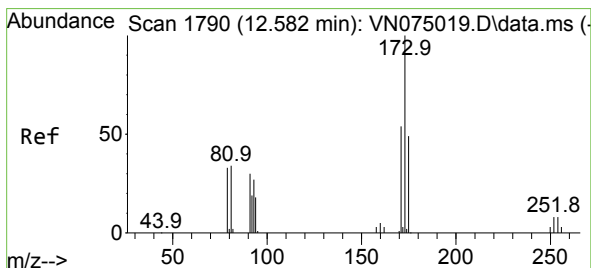
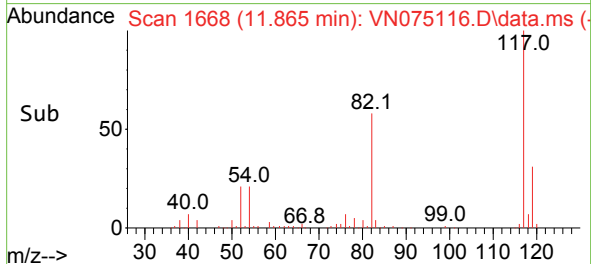
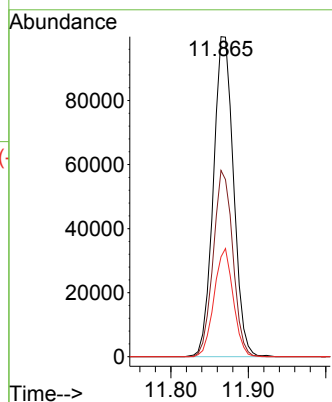
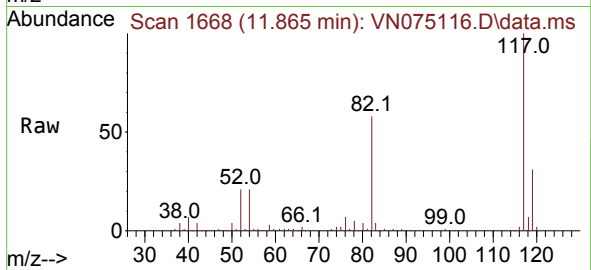




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

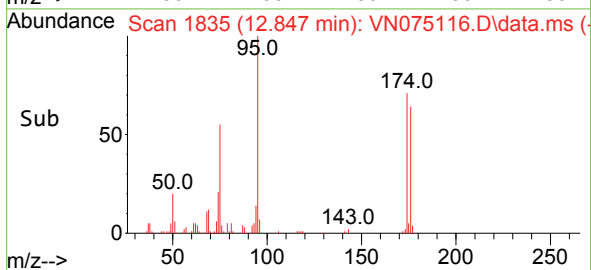
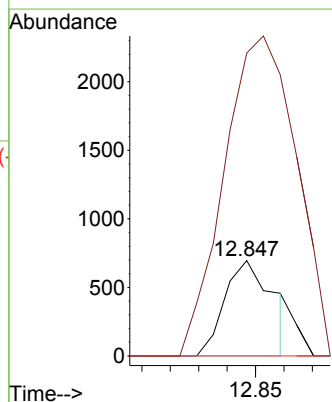
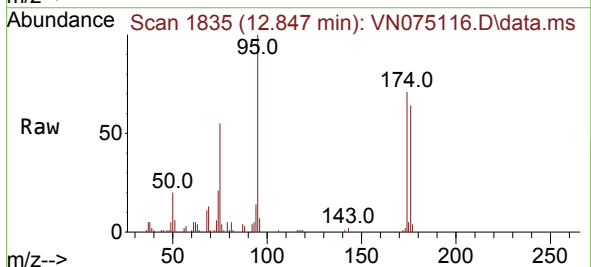
Instrument :
MSVOA_N
ClientSampleId :
TP-C

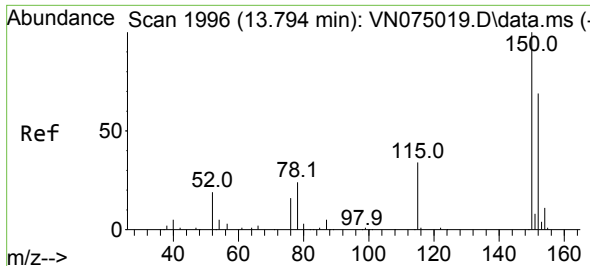
Tgt Ion:117 Resp: 180733
Ion Ratio Lower Upper
117 100
82 58.2 43.1 64.7
119 31.2 25.5 38.3



#71
Bromoform
Concen: 0.768 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

Tgt Ion:173 Resp: 823
Ion Ratio Lower Upper
173 100
175 405.2 24.6 74.0#
254 0.0 0.0 0.0

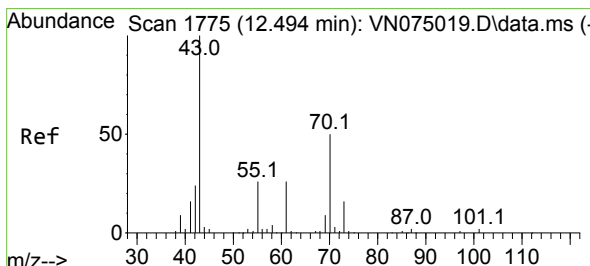
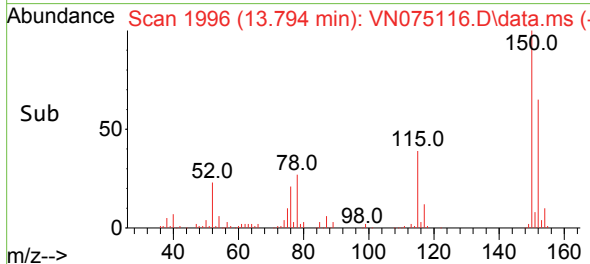
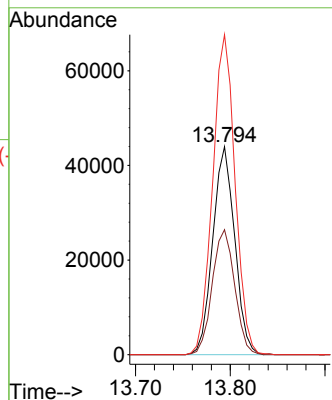
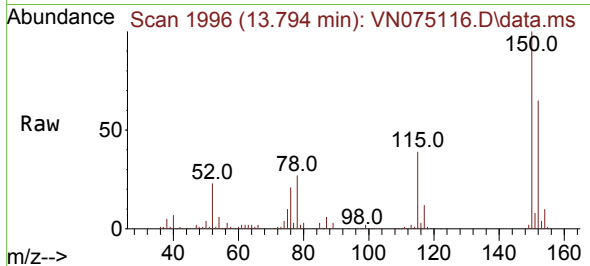




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

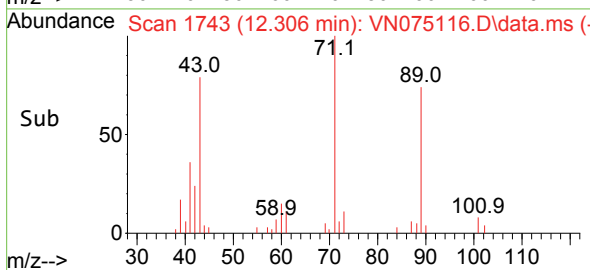
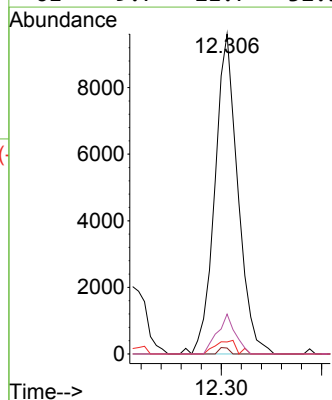
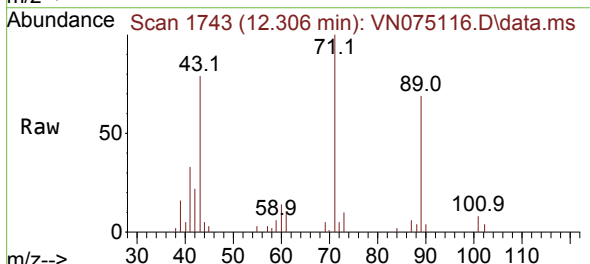
Instrument :
MSVOA_N
ClientSampleId :
TP-C

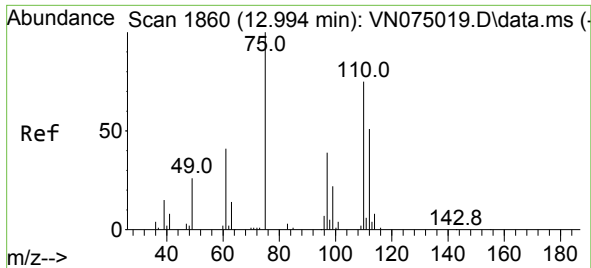
Tgt Ion:152 Resp: 70911
Ion Ratio Lower Upper
152 100
115 61.3 30.2 90.6
150 156.8 0.0 348.4



#74
N-ethyl acetate
Concen: 7.252 ug/l
RT: 12.306 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

Tgt Ion: 43 Resp: 15269
Ion Ratio Lower Upper
43 100
70 0.9 39.8 59.8#
55 3.9 19.9 29.9#
61 9.7 21.7 32.5#

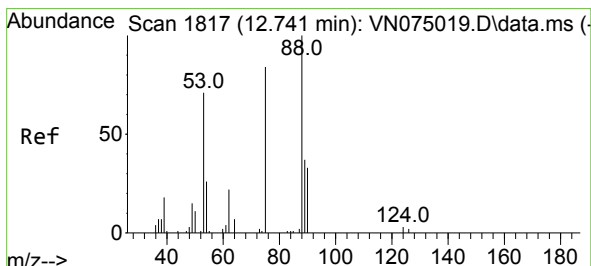
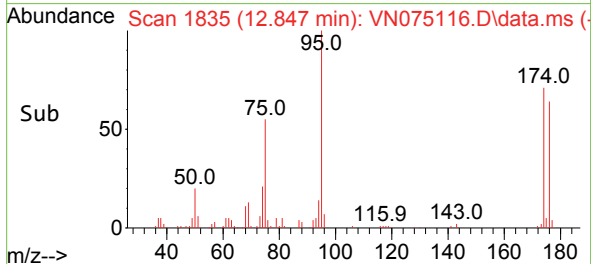
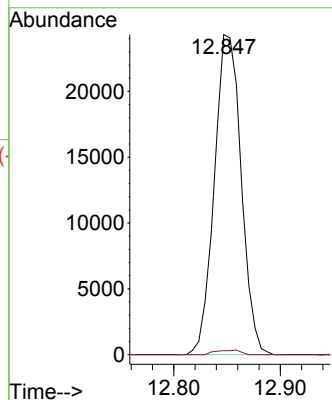
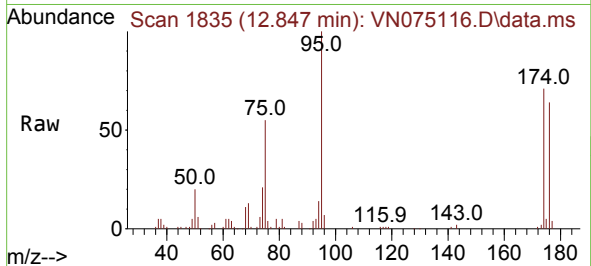




#76
1,2,3-Trichloropropane
Concen: 28.236 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

Instrument :
MSVOA_N
ClientSampleId :
TP-C

Tgt Ion: 75 Resp: 42513
Ion Ratio Lower Upper
75 100
77 1.3 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.482 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075116.D
Acq: 02 Nov 2022 14:51

Tgt Ion: 75 Resp: 42513
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

