

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075072.D
 Acq On : 28 Oct 2022 19:48
 Operator : JC\MD
 Sample : N5316-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-NE-QUARTER

Quant Time: Oct 31 03:10:21 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)

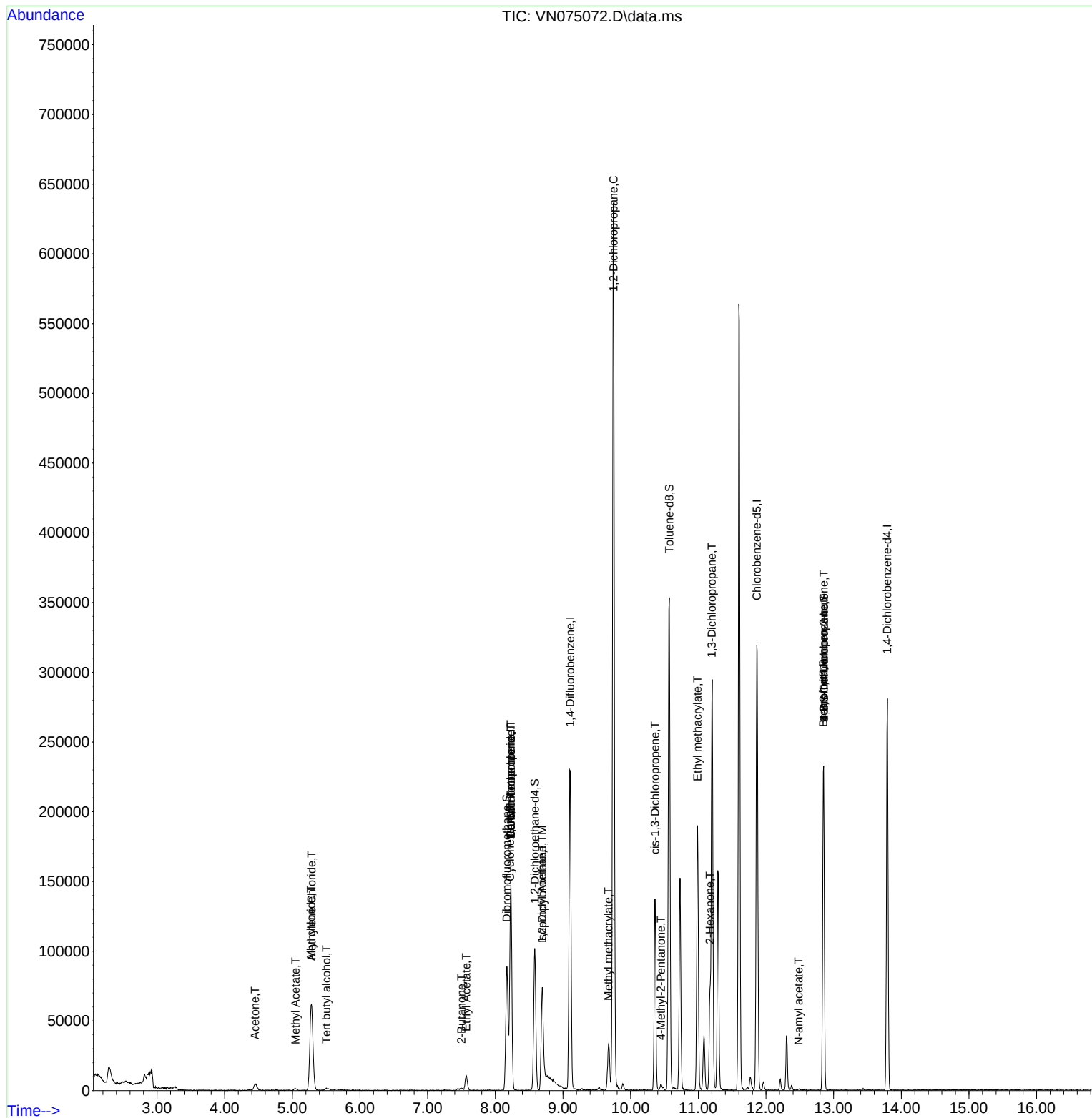
Internal Standards						
1) Pentafluorobenzene	8.230	168	103031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	200805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	183504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	71716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	82411	59.365	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 118.720%	
35) Dibromofluoromethane	8.171	113	62482	53.004	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.000%	
50) Toluene-d8	10.571	98	249112	54.468	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.940%	
62) 4-Bromofluorobenzene	12.853	95	79509	49.489	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.980%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.912	94	178	Below Cal		85
11) Tert butyl alcohol	5.500	59	657	2.029 ug/l	#	72
14) Allyl chloride	5.277	41	1064	0.667 ug/l	#	19
16) Acetone	4.447	43	9918	16.873 ug/l		95
18) Methyl Acetate	5.047	43	2573	1.340 ug/l	#	86
20) Methylene Chloride	5.283	84	52074	39.733 ug/l		95
25) 2-Butanone	7.500	43	3010	3.256 ug/l	#	85
31) Cyclohexane	8.218	56	2490	1.206 ug/l	#	43
36) 1,1-Dichloropropene	8.230	75	9649	5.287 ug/l	#	49
37) Ethyl Acetate	7.571	43	15448	7.718 ug/l		99
38) Carbon Tetrachloride	8.230	117	11660	5.808 ug/l	#	16
42) 1,2-Dichloroethane	8.694	62	451	0.222 ug/l	#	75
43) Isopropyl Acetate	8.694	43	92718	29.865 ug/l	#	81
45) 1,2-Dichloropropane	9.747	63	811	0.610 ug/l	#	42
48) Methyl methacrylate	9.671	41	1879	1.319 ug/l	#	41
51) 4-Methyl-2-Pentanone	10.447	43	4996	2.494 ug/l	#	69
54) cis-1,3-Dichloropropene	10.359	75	25231	11.233 ug/l	#	68
56) Ethyl methacrylate	10.988	69	607	0.269 ug/l	#	1
57) 1,3-Dichloropropane	11.200	76	3174	1.287 ug/l	#	42
59) 2-Hexanone	11.171	43	55239	36.330 ug/l	#	21
71) Bromoform	12.847	173	624	0.574 ug/l	#	1
74) N-amyl acetate	12.482	43	504	0.237 ug/l	#	38
76) 1,2,3-Trichloropropane	12.853	75	44912	29.495 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	44912	75.712 ug/l	#	10

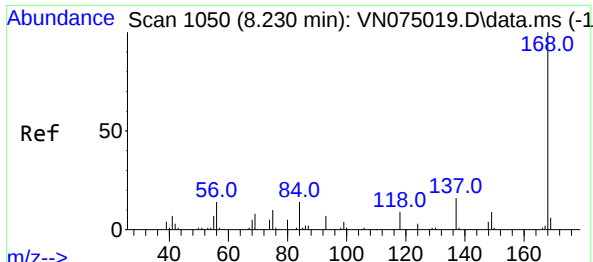
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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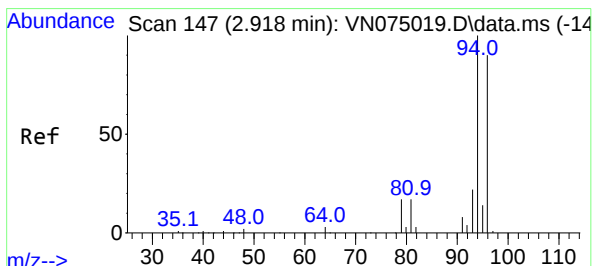
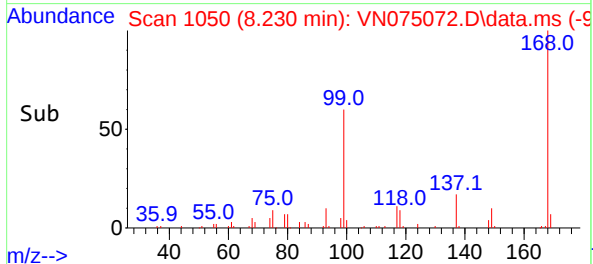
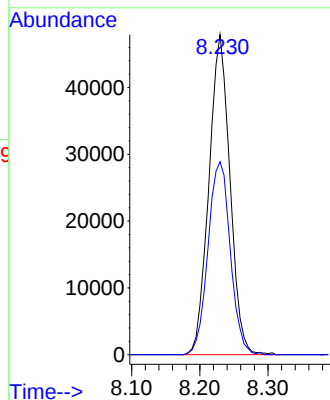
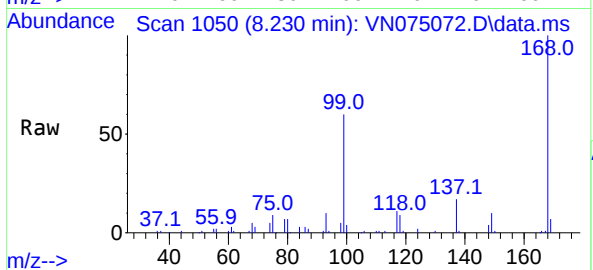




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

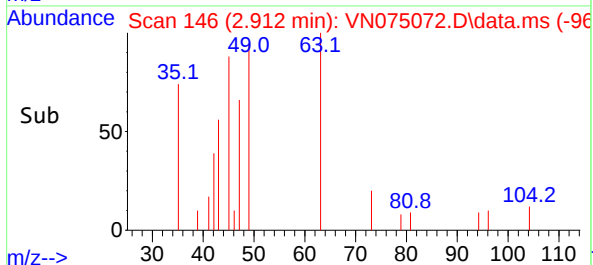
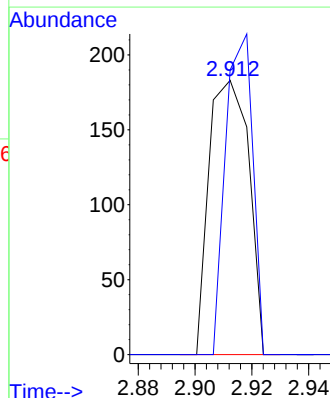
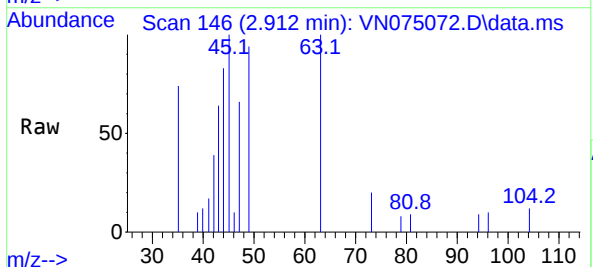
Instrument :
MSVOA_N
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COMPOSITE-NE-QUARTER

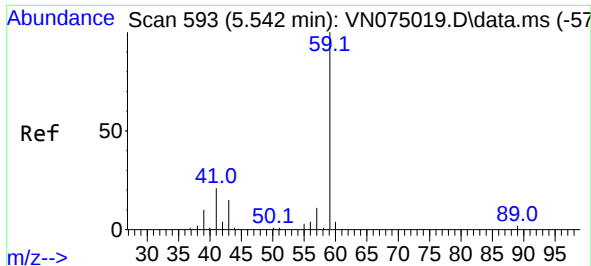
Tgt Ion:168 Resp: 103031
Ion Ratio Lower Upper
168 100
99 60.3 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.912 min Scan# 146
Delta R.T. -0.006 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Tgt Ion: 94 Resp: 178
Ion Ratio Lower Upper
94 100
96 103.8 71.8 107.6

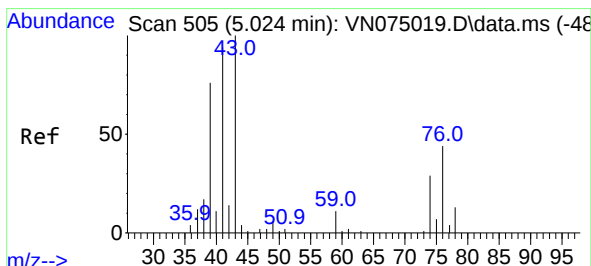
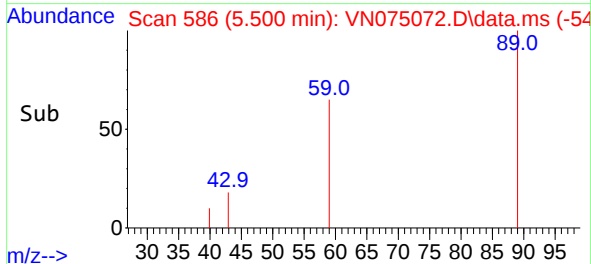
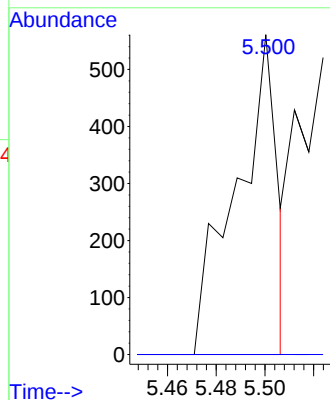
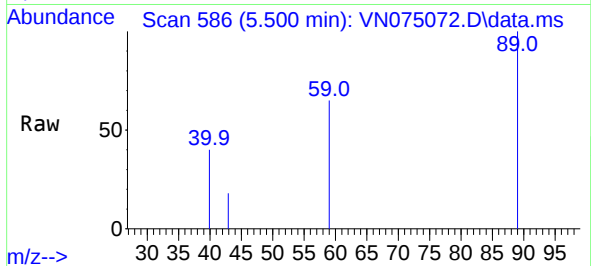




#11
Tert butyl alcohol
Concen: 2.029 ug/l
RT: 5.500 min Scan# 51
Delta R.T. -0.042 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

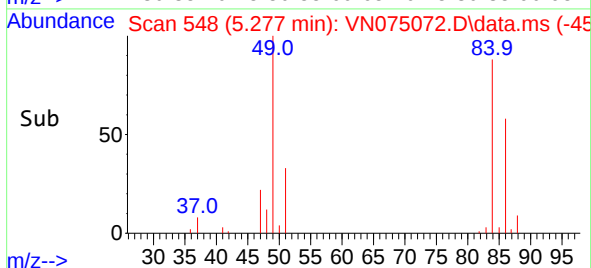
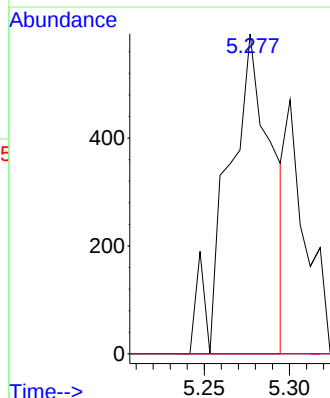
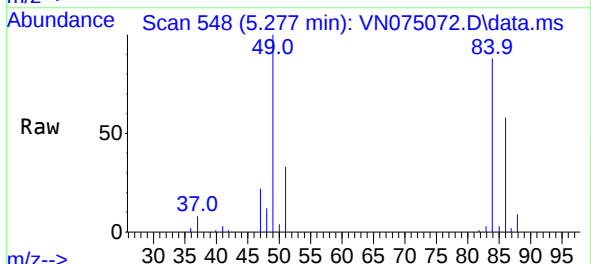
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NE-QUARTER

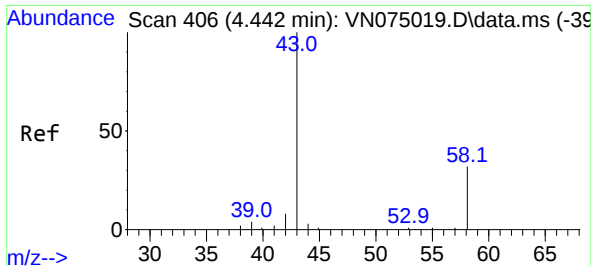
Tgt Ion: 59 Resp: 657
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#14
Allyl chloride
Concen: 0.667 ug/l
RT: 5.277 min Scan# 548
Delta R.T. 0.253 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Tgt Ion: 41 Resp: 1064
Ion Ratio Lower Upper
41 100
39 0.0 61.0 91.4#
76 0.0 33.4 50.0#

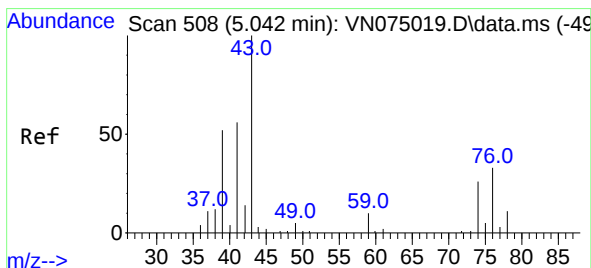
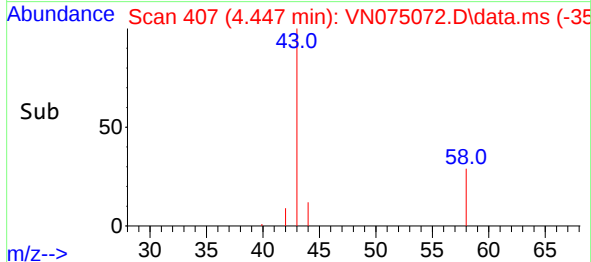
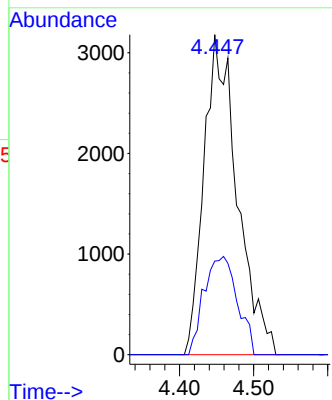
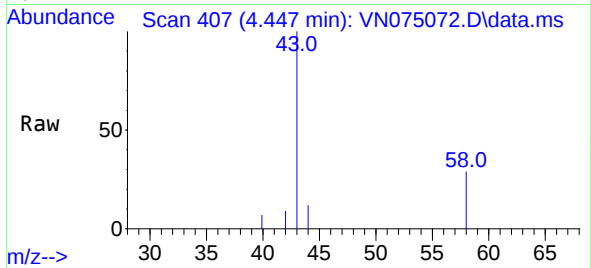




#16
Acetone
Concen: 16.873 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

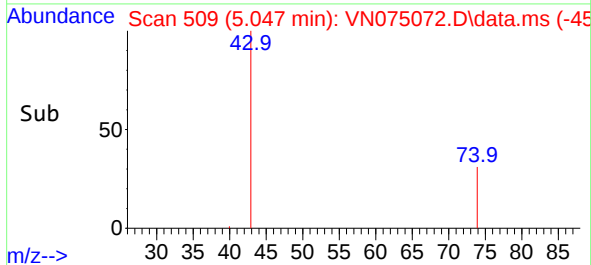
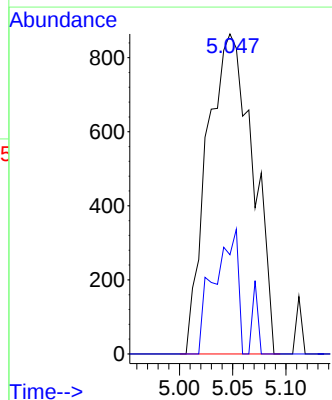
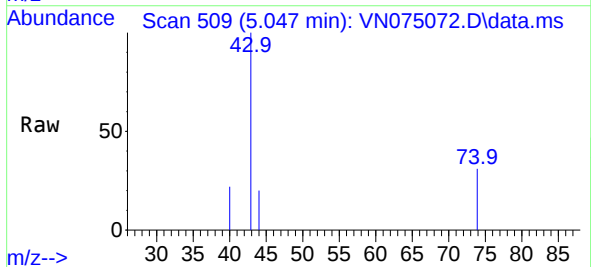
Instrument :
MSVOA_N
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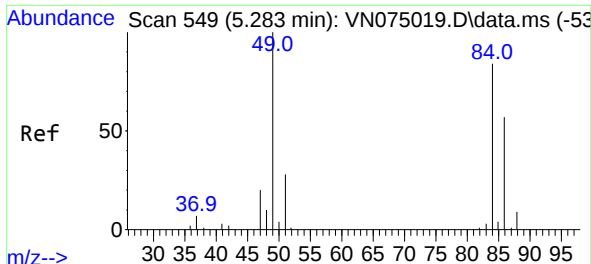
Tgt Ion: 43 Resp: 9918
Ion Ratio Lower Upper
43 100
58 29.3 25.5 38.3



#18
Methyl Acetate
Concen: 1.340 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.005 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Tgt Ion: 43 Resp: 2573
Ion Ratio Lower Upper
43 100
74 20.3 22.0 33.0#

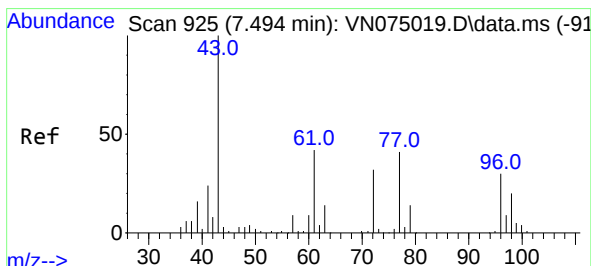
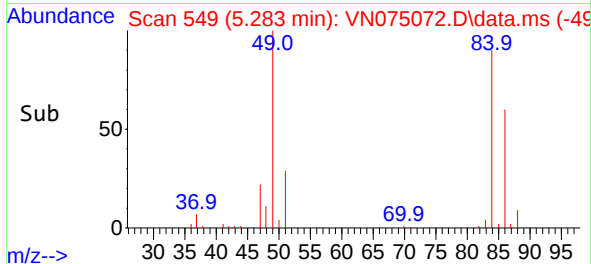
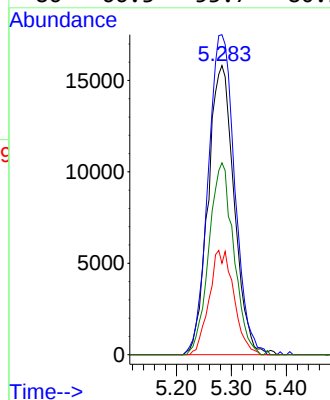
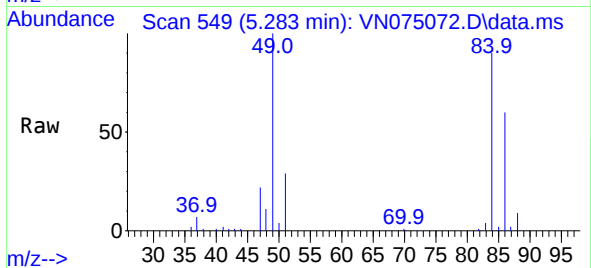




#20
Methylene Chloride
Concen: 39.733 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

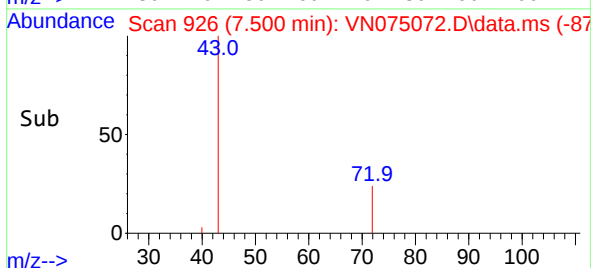
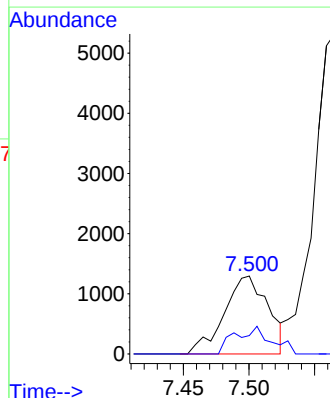
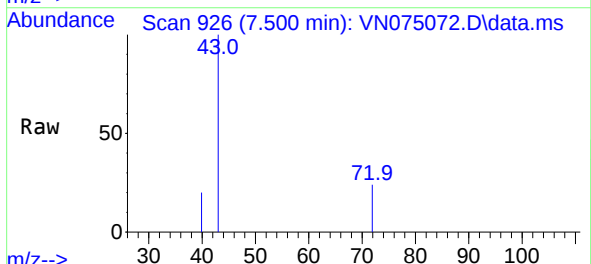
Instrument :
MSVOA_N
ClientSampleId :
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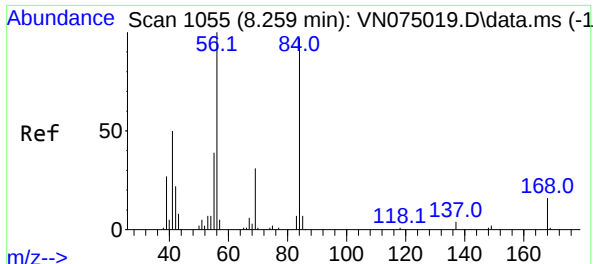
Tgt Ion: 84	Resp: 52074
Ion Ratio	Lower Upper
84 100	
49 110.7	94.9 142.3
51 31.6	26.8 40.2
86 66.3	53.7 80.5



#25
2-Butanone
Concen: 3.256 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Tgt Ion: 43	Resp: 3010		
Ion Ratio	Lower	Upper	
43	100		
72	23.6	25.5	38.3#





#31

Cyclohexane

Concen: 1.206 ug/l

RT: 8.218 min Scan# 1048

Delta R.T. -0.041 min

Lab File: VN075072.D

Acq: 28 Oct 2022 19:48

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-NE-QUARTER

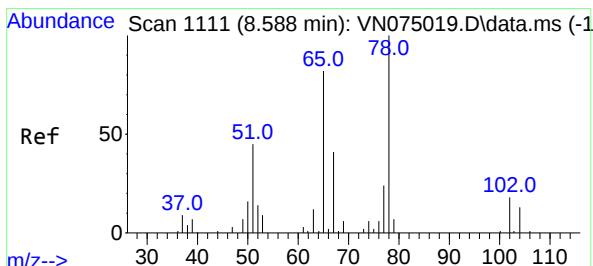
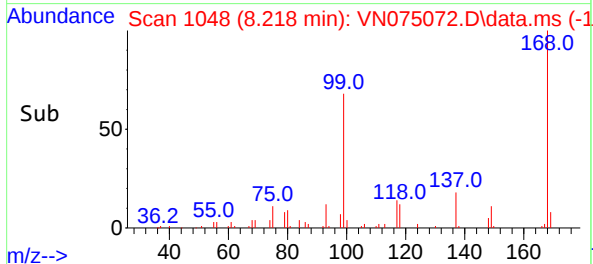
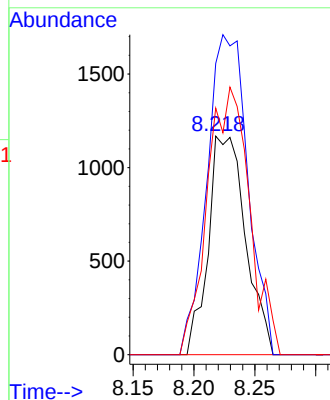
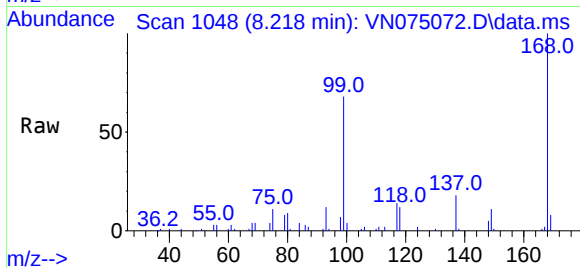
Tgt Ion: 56 Resp: 2490

Ion Ratio Lower Upper

56 100

69 133.2 25.2 37.8#

84 112.8 77.8 116.8



#33

1,2-Dichloroethane-d4

Concen: 59.365 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.005 min

Lab File: VN075072.D

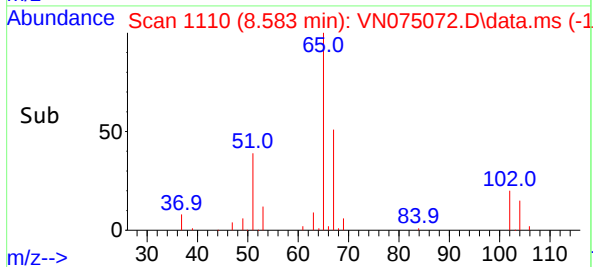
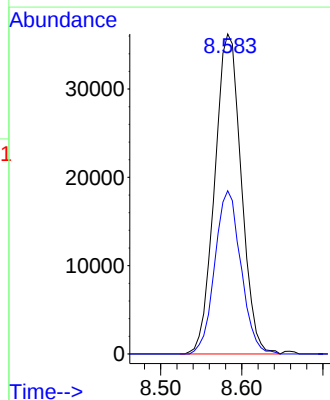
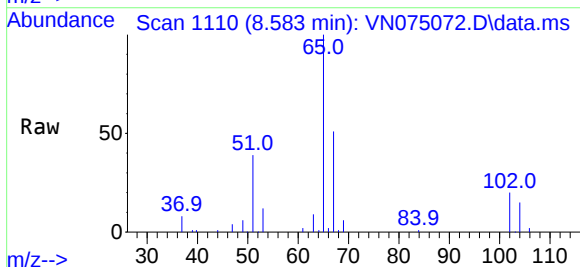
Acq: 28 Oct 2022 19:48

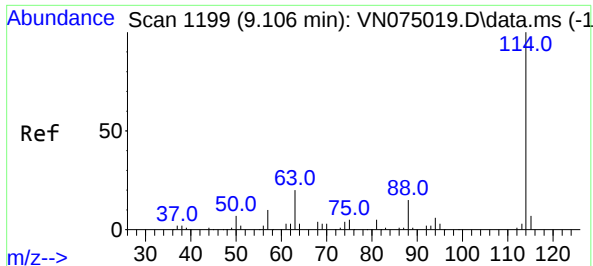
Tgt Ion: 65 Resp: 82411

Ion Ratio Lower Upper

65 100

67 50.2 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: VN075072.D

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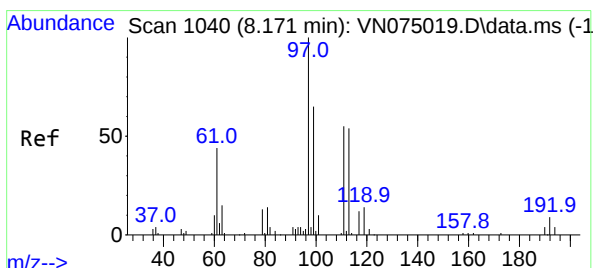
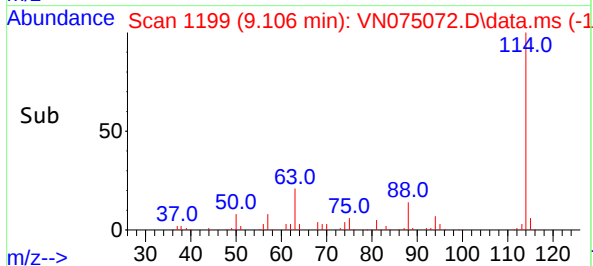
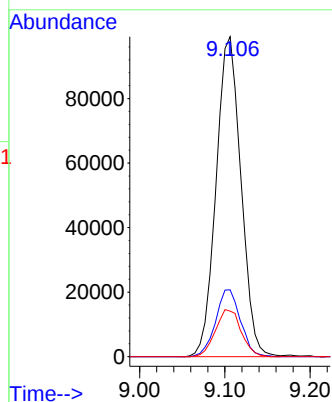
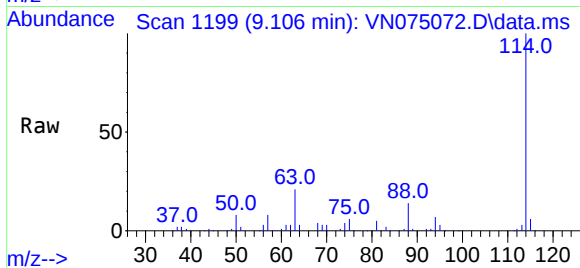
Tgt Ion:114 Resp: 200805

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.6

88 14.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.004 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075072.D

Acq: 28 Oct 2022 19:48

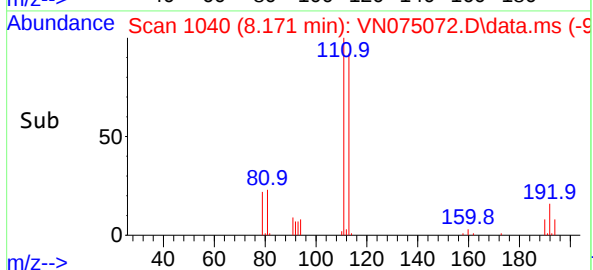
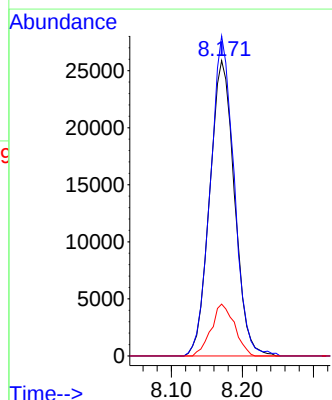
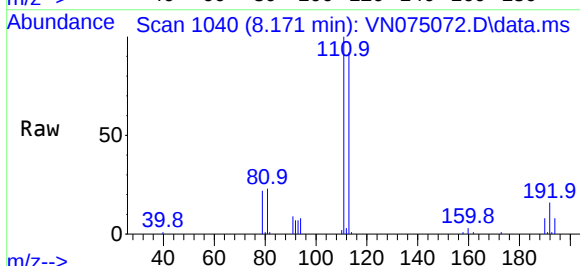
Tgt Ion:113 Resp: 62482

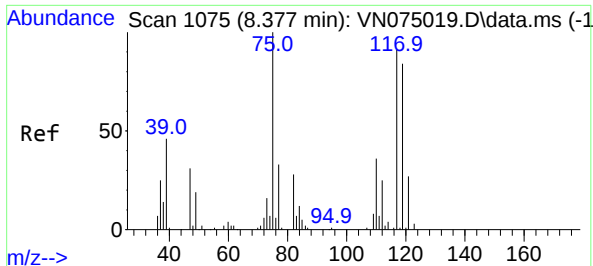
Ion Ratio Lower Upper

113 100

111 104.0 80.5 120.7

192 16.7 13.2 19.8

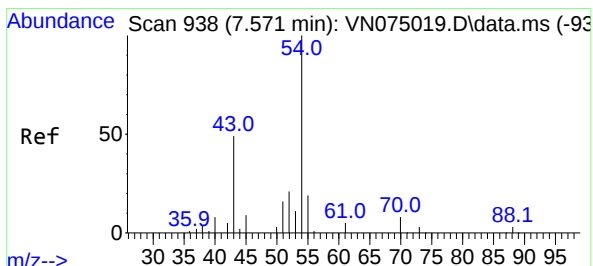
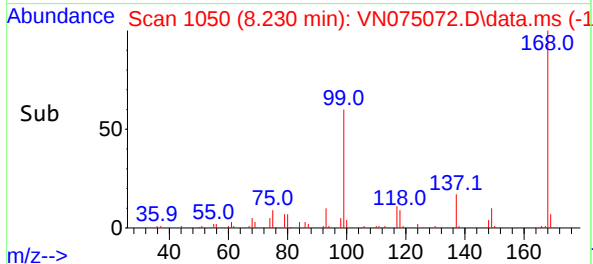
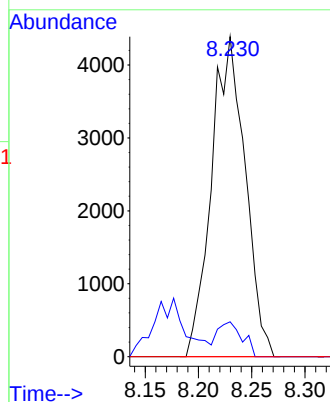
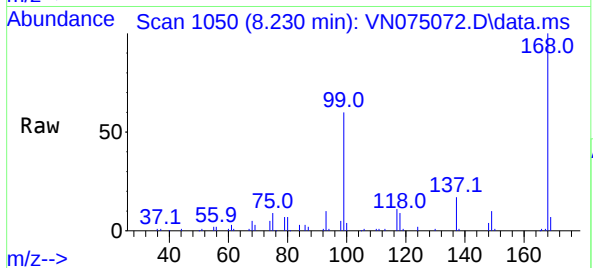




#36
1,1-Dichloropropene
Concen: 5.287 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

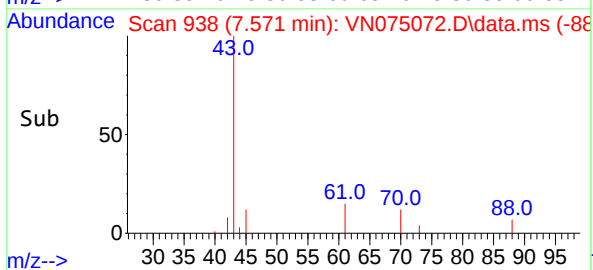
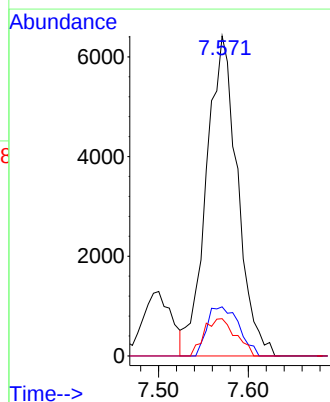
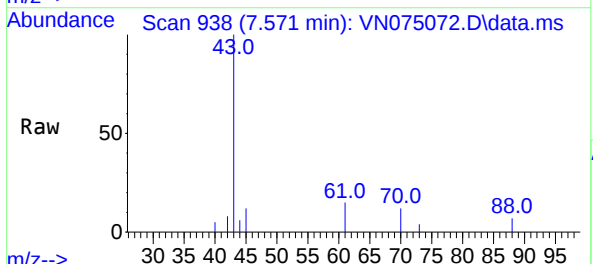
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NE-QUARTER

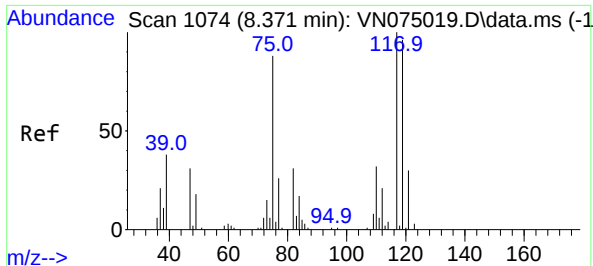
Tgt Ion: 75 Resp: 9649
Ion Ratio Lower Upper
75 100
110 7.9 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 7.718 ug/l
RT: 7.571 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

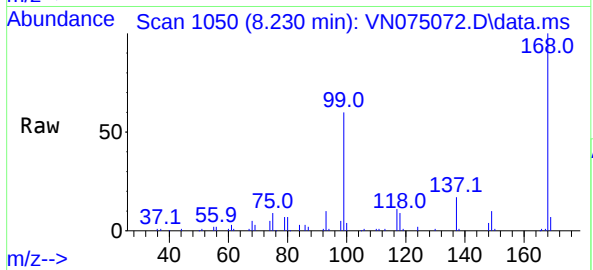
Tgt Ion: 43 Resp: 15448
Ion Ratio Lower Upper
43 100
61 15.7 12.2 18.4
70 11.7 9.4 14.2



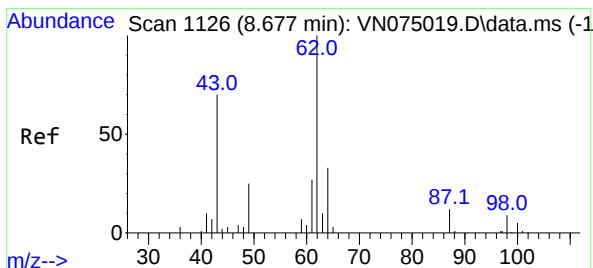
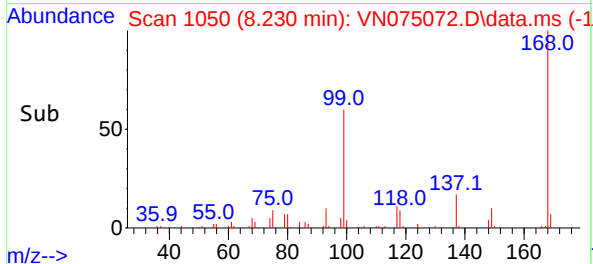
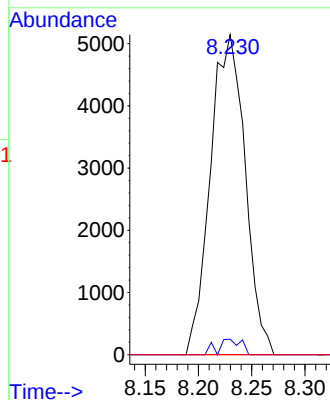


#38
Carbon Tetrachloride
Concen: 5.808 ug/l
RT: 8.230 min Scan# 11660
Delta R.T. -0.141 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Instrument :
MSVOA_N
ClientSampleId :
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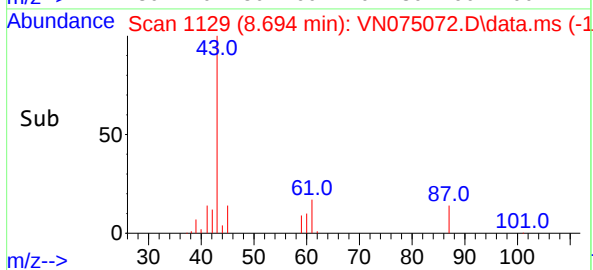
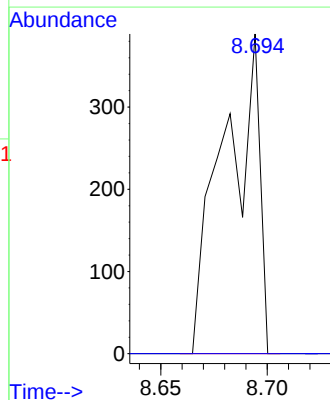
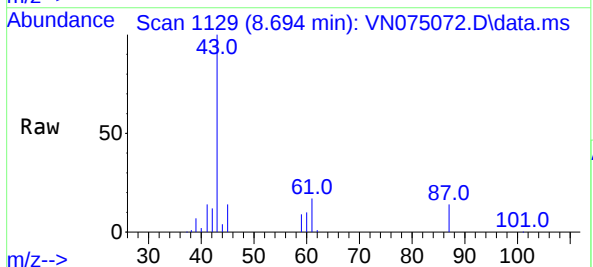


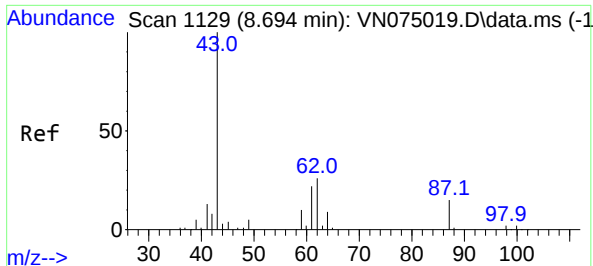
Tgt Ion:117 Resp: 11660
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.222 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.017 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Tgt Ion: 62 Resp: 451
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

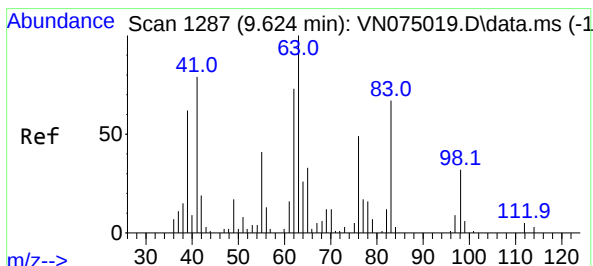
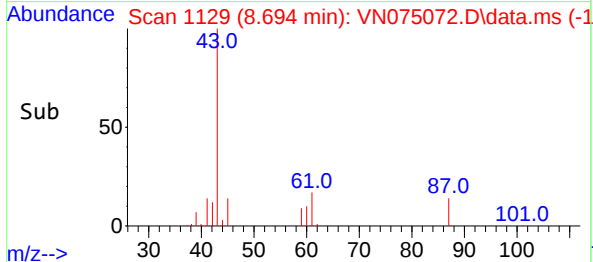
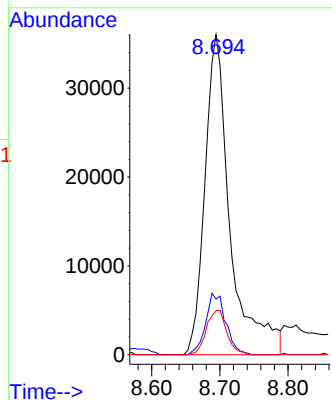
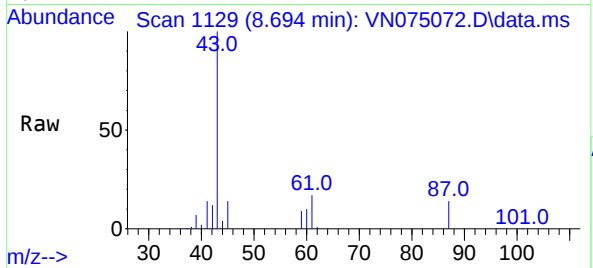




#43
Isopropyl Acetate
Concen: 29.865 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

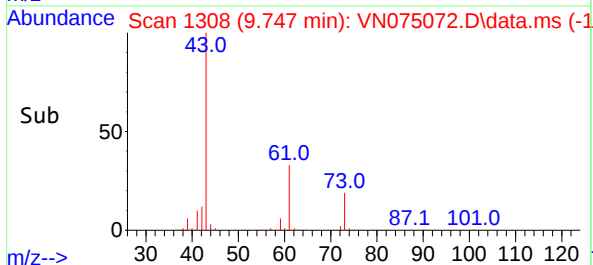
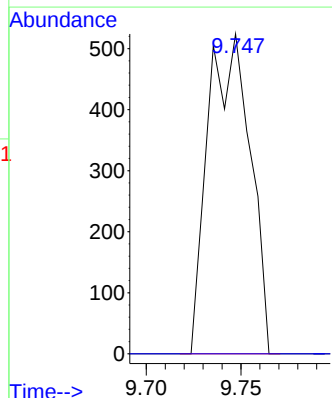
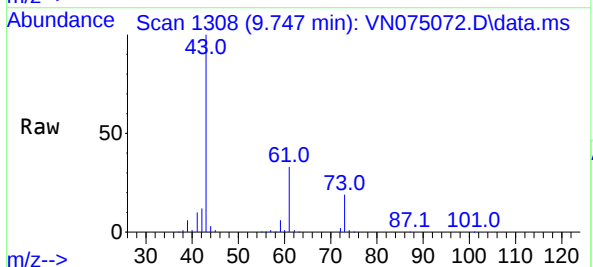
Instrument : MSVOA_N
ClientSampleId : COMPOSITE-NE-QUARTER

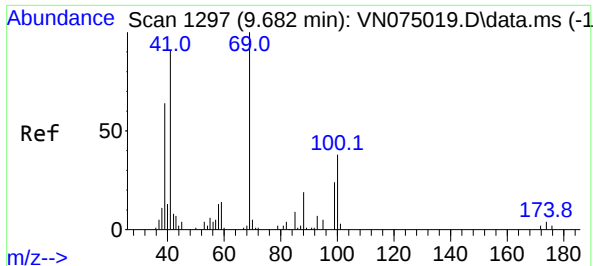
Tgt Ion: 43 Resp: 92718
Ion Ratio Lower Upper
43 100
61 15.3 22.4 33.6#
87 11.2 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.610 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Tgt Ion: 63 Resp: 811
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.319 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.011 min

Lab File: VN075072.D

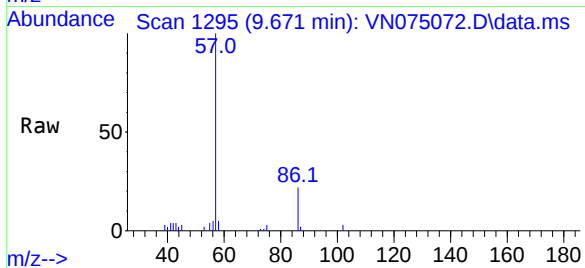
Acq: 28 Oct 2022 19:48

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-NE-QUARTER



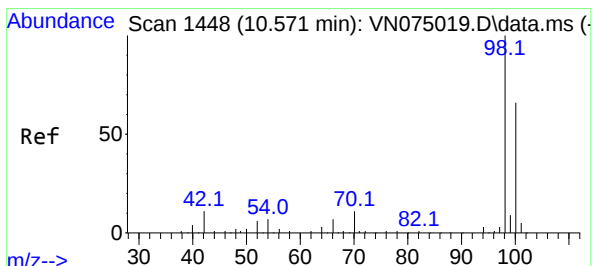
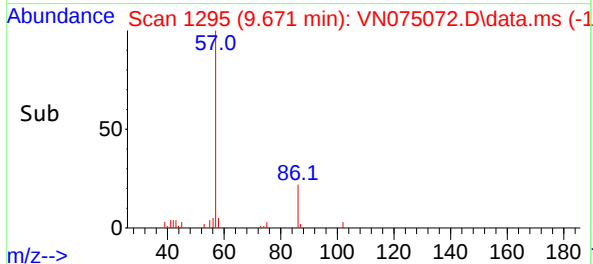
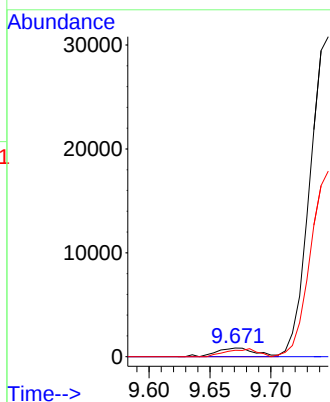
Tgt Ion: 41 Resp: 1879

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 71.1 56.2 84.2



#50

Toluene-d8

Concen: 54.468 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075072.D

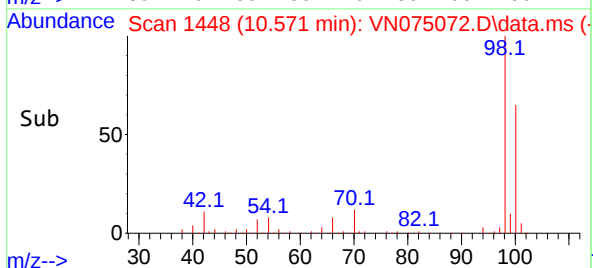
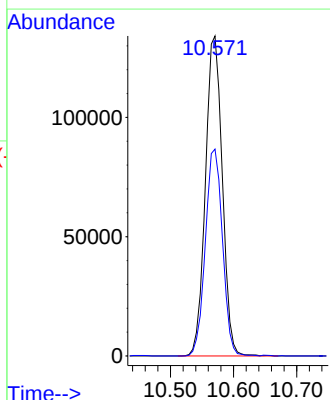
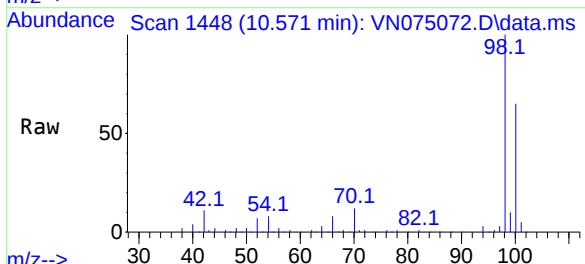
Acq: 28 Oct 2022 19:48

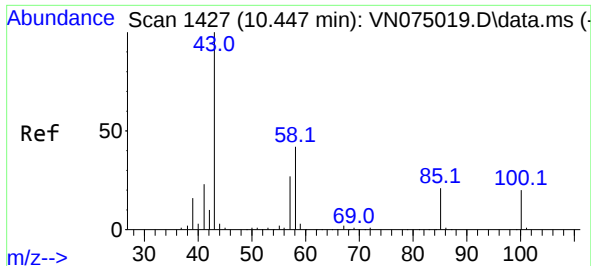
Tgt Ion: 98 Resp: 249112

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.6

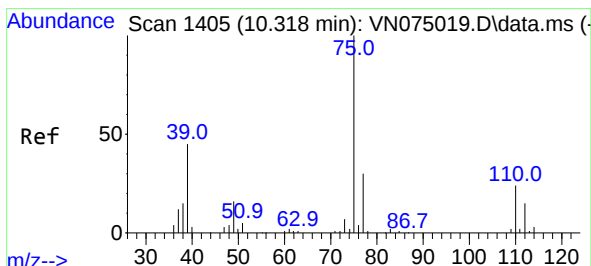
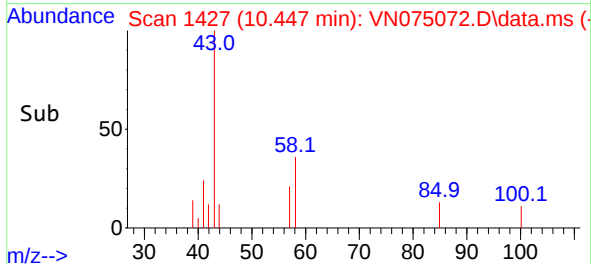
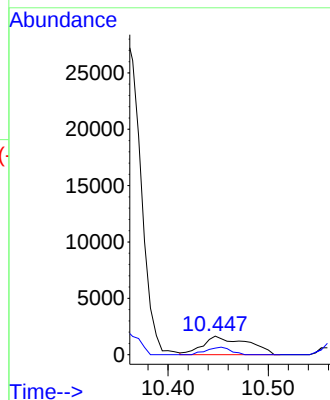
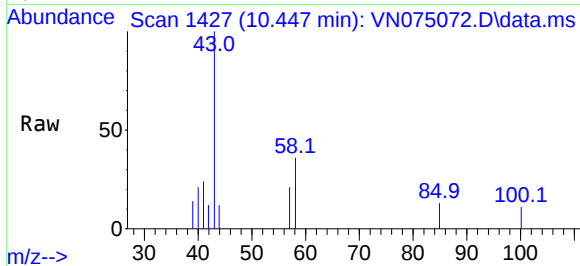




#51
4-Methyl-2-Pentanone
Concen: 2.494 ug/l
RT: 10.447 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

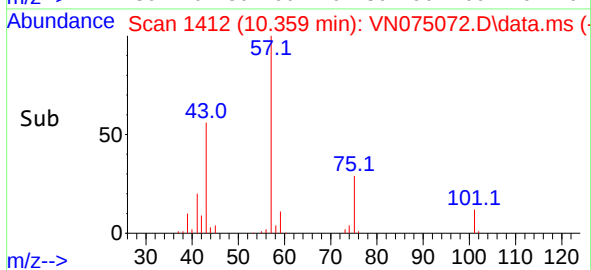
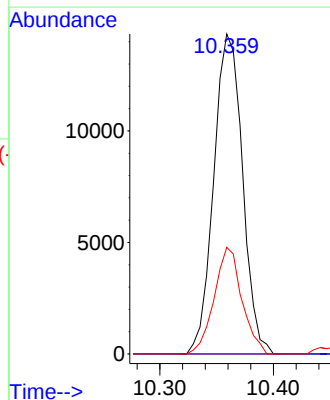
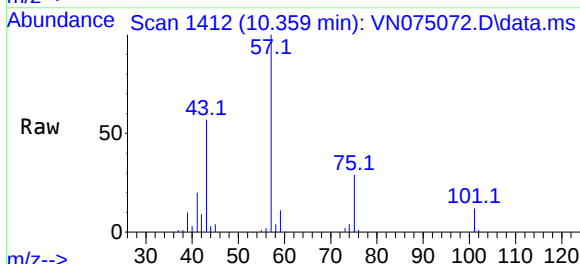
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NE-QUARTER

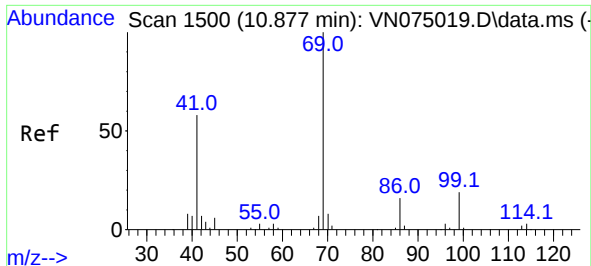
Tgt Ion: 43 Resp: 4996
Ion Ratio Lower Upper
43 100
58 22.2 33.6 50.4#



#54
cis-1,3-Dichloropropene
Concen: 11.233 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

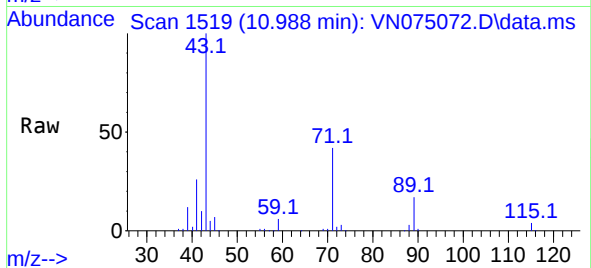
Tgt Ion: 75 Resp: 25231
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 33.3 35.8 53.6#



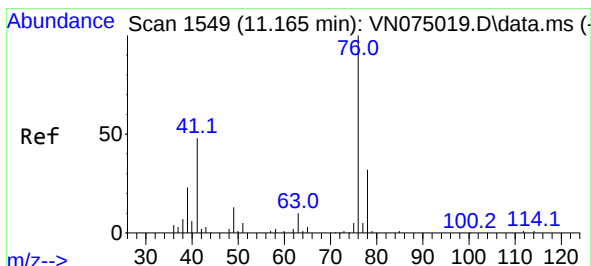
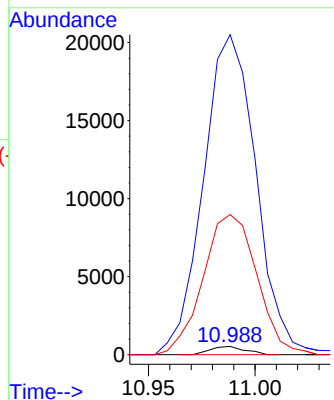
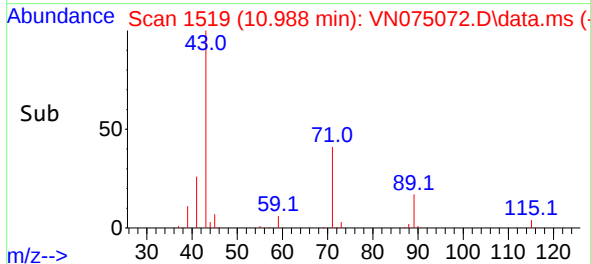


#56
Ethyl methacrylate
Concen: 0.269 ug/l
RT: 10.988 min Scan# 1155
Delta R.T. 0.111 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NE-QUARTER

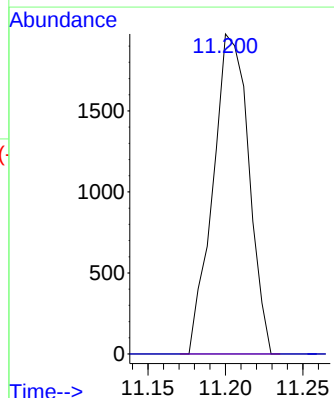
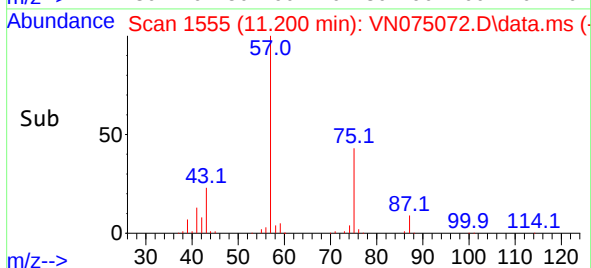
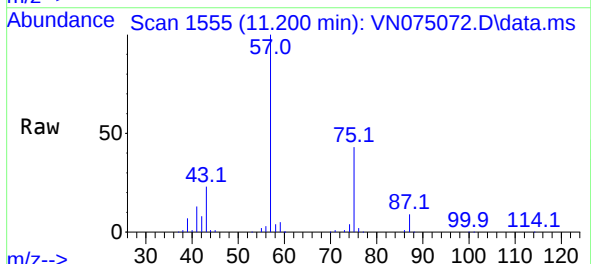


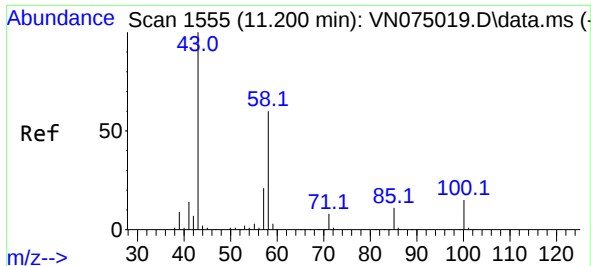
Tgt Ion: 69 Resp: 607
Ion Ratio Lower Upper
69 100
41 5850.9 45.6 68.4#
39 2604.3 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.287 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Tgt Ion: 76 Resp: 3174
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

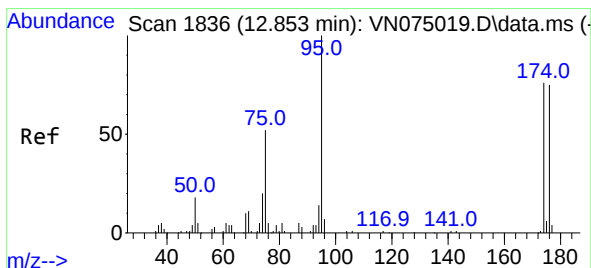
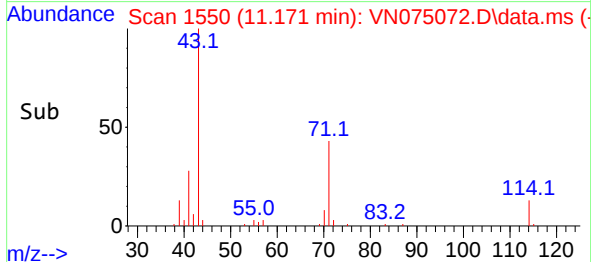
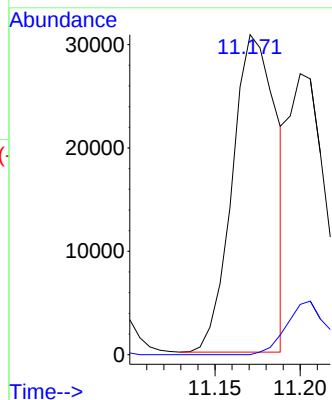
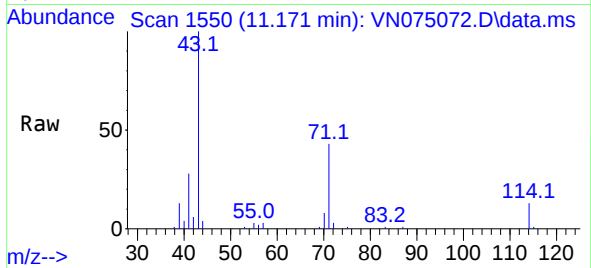




#59
2-Hexanone
Concen: 36.330 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

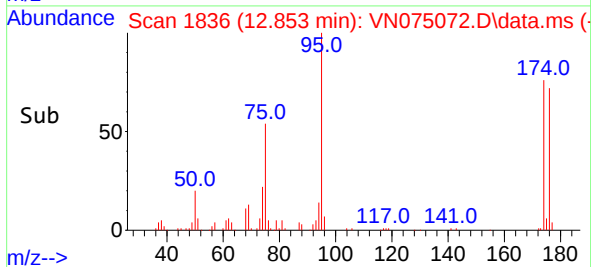
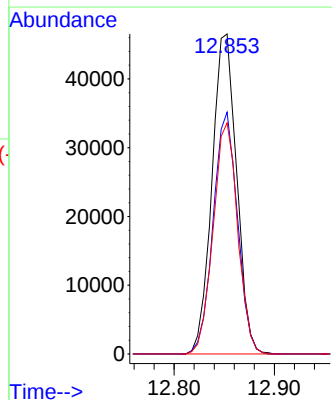
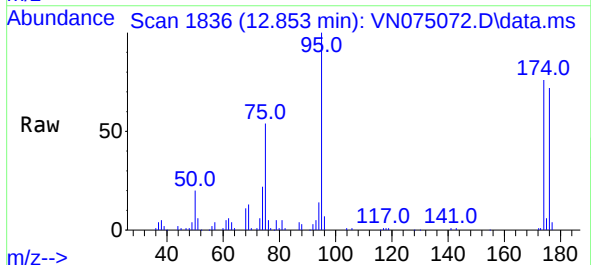
Instrument :
MSVOA_N
ClientSampleId :
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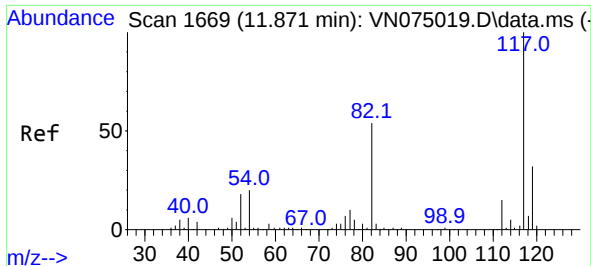
Tgt Ion: 43 Resp: 55239
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 49.489 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Tgt Ion: 95 Resp: 79509
Ion Ratio Lower Upper
95 100
174 74.6 0.0 147.4
176 71.6 0.0 142.2

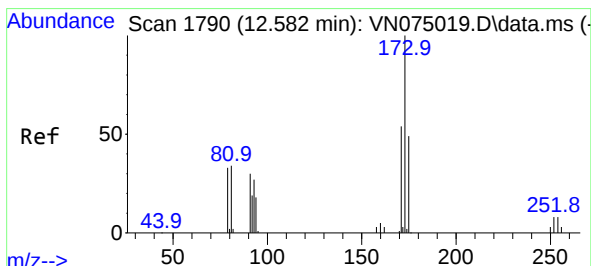
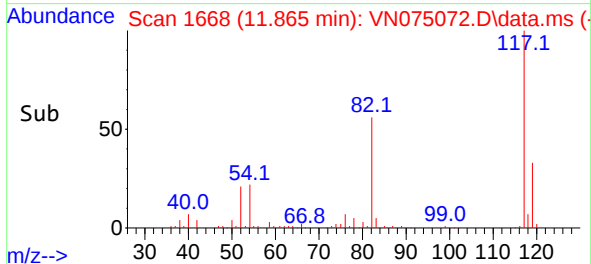
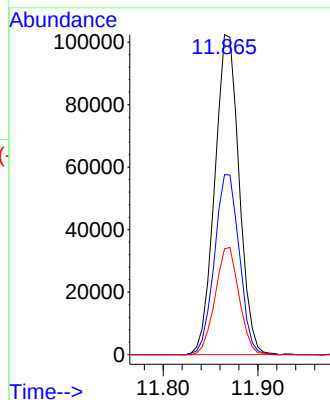
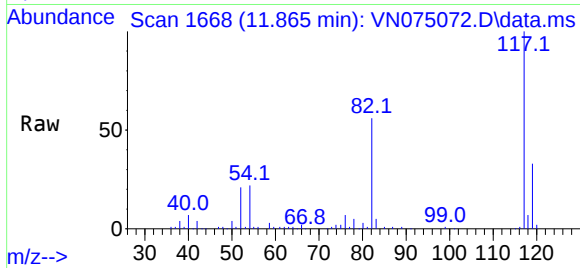




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

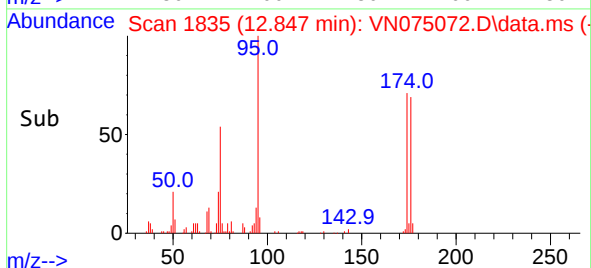
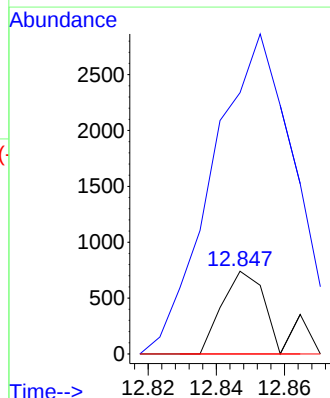
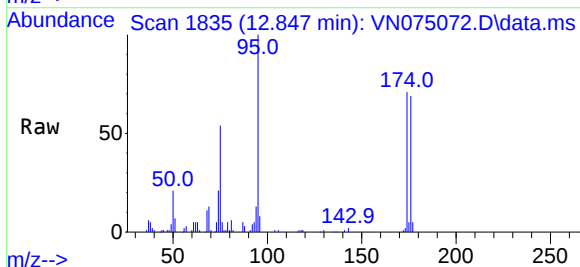
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NE-QUARTER

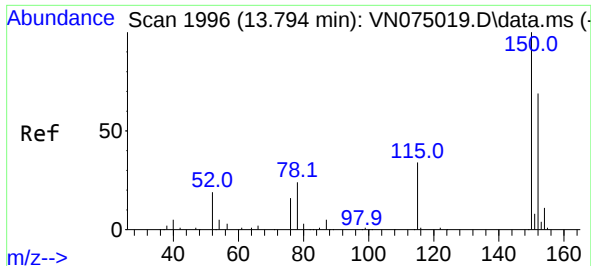
Tgt Ion:117 Resp: 183504
Ion Ratio Lower Upper
117 100
82 56.3 43.1 64.7
119 33.1 25.5 38.3



#71
Bromoform
Concen: 0.574 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Tgt Ion:173 Resp: 624
Ion Ratio Lower Upper
173 100
175 642.8 24.6 74.0#
254 0.0 0.0 0.0

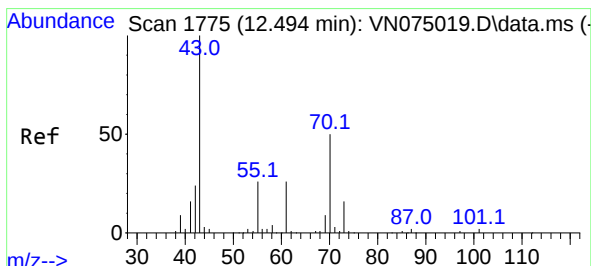
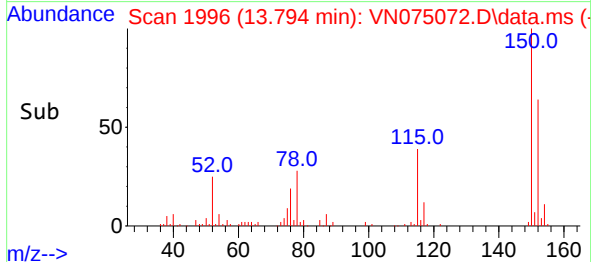
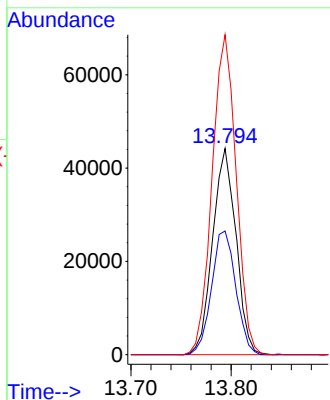
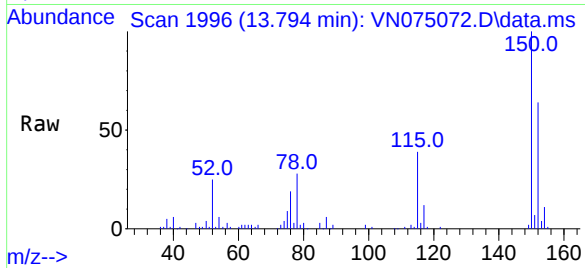




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

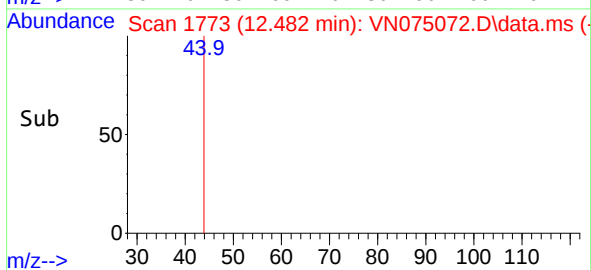
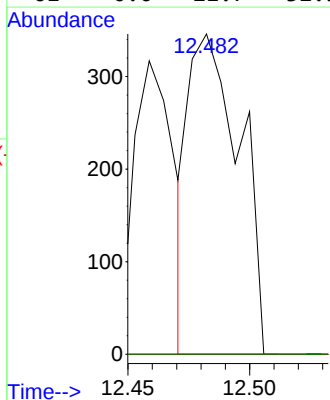
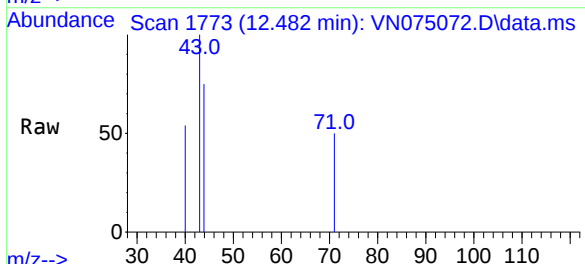
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NE-QUARTER

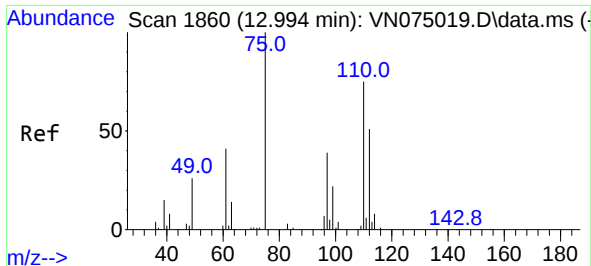
Tgt Ion:152 Resp: 71716
Ion Ratio Lower Upper
152 100
115 62.2 30.2 90.6
150 159.6 0.0 348.4



#74
N-ethyl acetate
Concen: 0.237 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Tgt Ion: 43 Resp: 504
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#

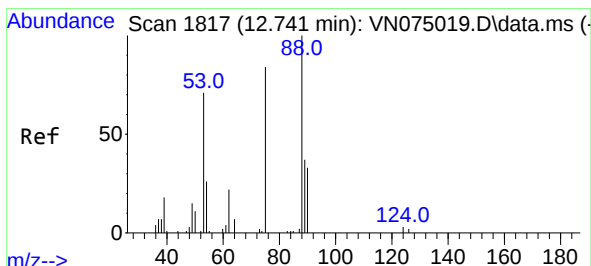
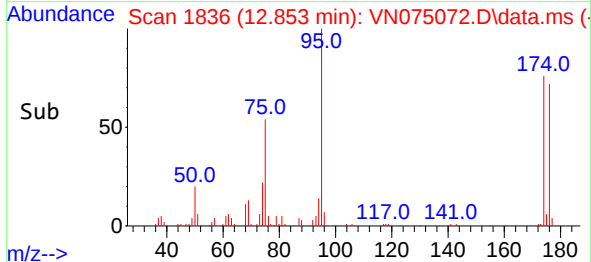
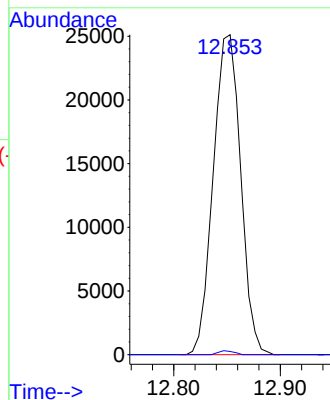
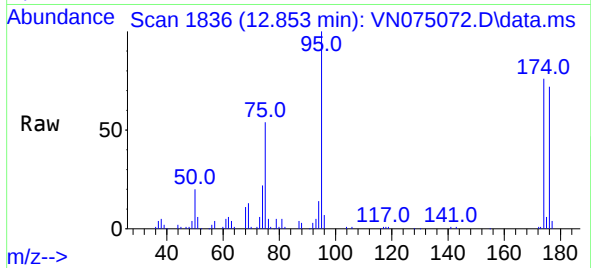




#76
1,2,3-Trichloropropane
Concen: 29.495 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NE-QUARTER

Tgt Ion: 75 Resp: 44912
Ion Ratio Lower Upper
75 100
77 0.7 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.712 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075072.D
Acq: 28 Oct 2022 19:48

Tgt Ion: 75 Resp: 44912
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

