

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
 Data File : VN075068.D
 Acq On : 28 Oct 2022 18:12
 Operator : JC\MD
 Sample : N5313-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-NW-QUARTER

Quant Time: Oct 31 03:09:38 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)

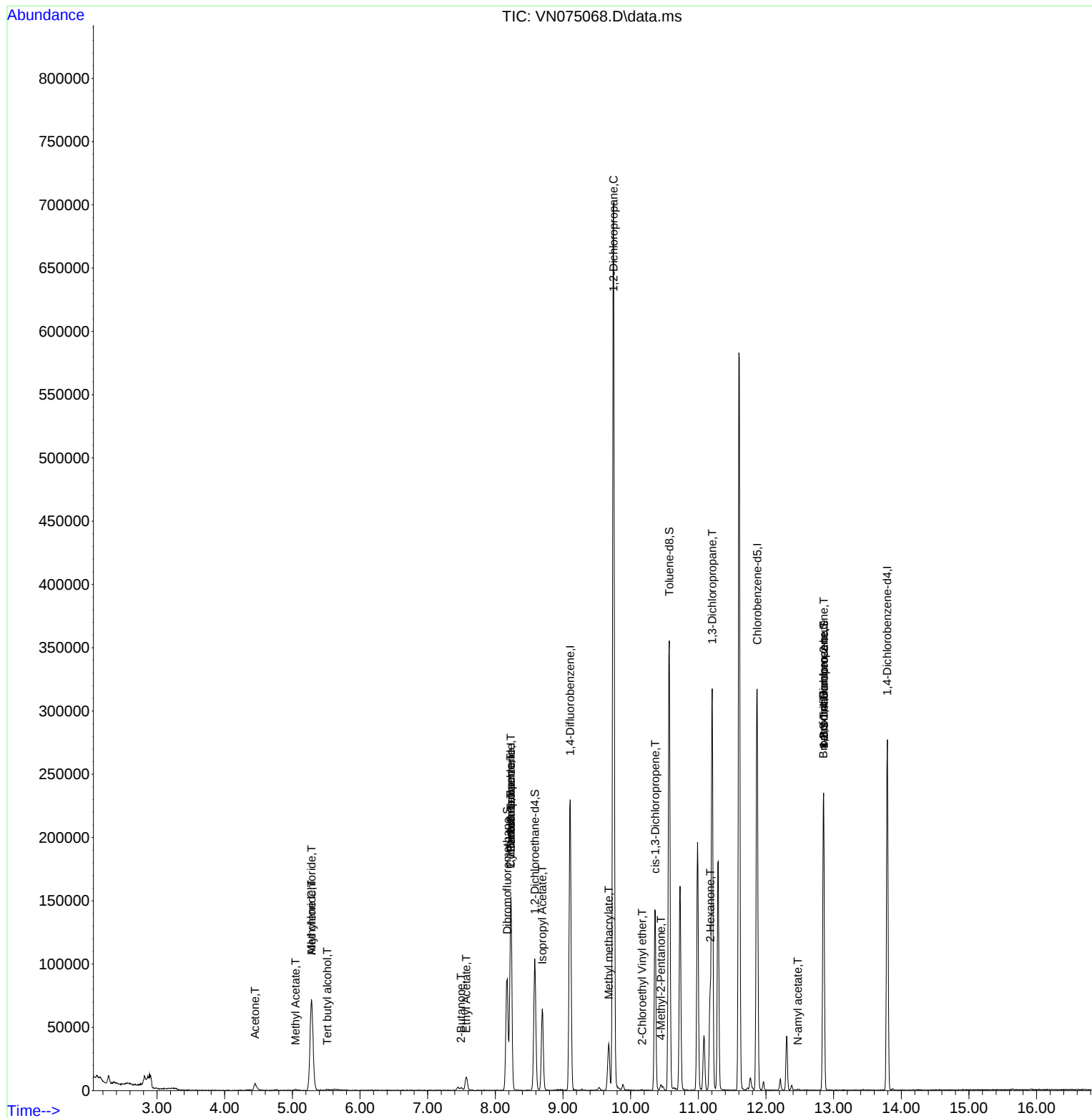
Internal Standards						
1) Pentafluorobenzene	8.230	168	105113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	200523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	185467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	71903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	83705	59.102	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.200%			
35) Dibromofluoromethane	8.177	113	63996	54.364	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.720%			
50) Toluene-d8	10.571	98	249933	54.725	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.440%			
62) 4-Bromofluorobenzene	12.853	95	78658	49.028	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.060%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	156	Below Cal	#	78
11) Tert butyl alcohol	5.518	59	566	1.714	ug/l #	72
14) Allyl chloride	5.283	41	1269	0.780	ug/l #	19
16) Acetone	4.447	43	10134	16.899	ug/l	97
18) Methyl Acetate	5.047	43	1286	0.657	ug/l #	70
20) Methylene Chloride	5.283	84	59044	44.159	ug/l	95
25) 2-Butanone	7.494	43	3215	3.408	ug/l	96
31) Cyclohexane	8.224	56	2518	1.195	ug/l #	35
36) 1,1-Dichloropropene	8.224	75	9655	5.298	ug/l #	46
37) Ethyl Acetate	7.571	43	16341	8.176	ug/l	98
38) Carbon Tetrachloride	8.230	117	12119	6.045	ug/l #	17
43) Isopropyl Acetate	8.694	43	70203	22.645	ug/l #	91
45) 1,2-Dichloropropane	9.747	63	702	0.529	ug/l #	42
48) Methyl methacrylate	9.677	41	2280	1.603	ug/l #	32
51) 4-Methyl-2-Pentanone	10.447	43	2966	1.483	ug/l	90
54) cis-1,3-Dichloropropene	10.365	75	26557	11.840	ug/l #	63
57) 1,3-Dichloropropane	11.206	76	3757	1.525	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.171	63	246	0.282	ug/l #	44
59) 2-Hexanone	11.176	43	56814	37.418	ug/l #	21
71) Bromoform	12.847	173	687	0.625	ug/l #	1
74) N-amyl acetate	12.470	43	761	0.356	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	44421	29.096	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	44421	74.690	ug/l #	10

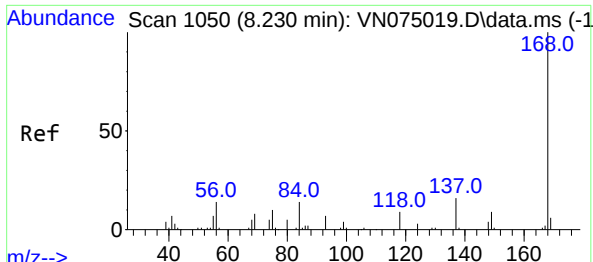
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102822\
Data File : VN075068.D
Acq On : 28 Oct 2022 18:12
Operator : JC\MD
Sample : N5313-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NW-QUARTER

Quant Time: Oct 31 03:09:38 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

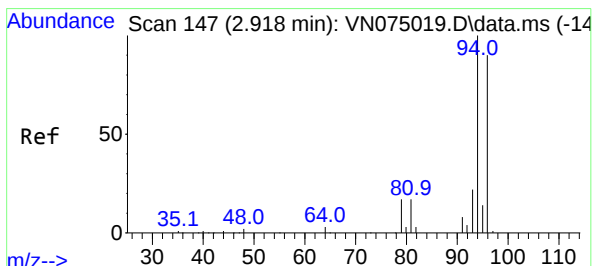
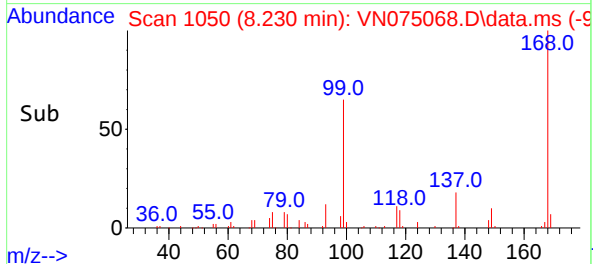
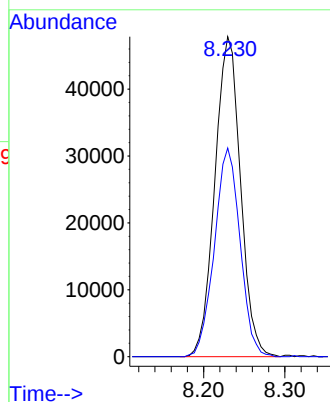
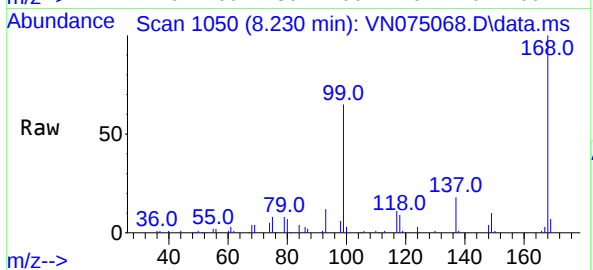




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

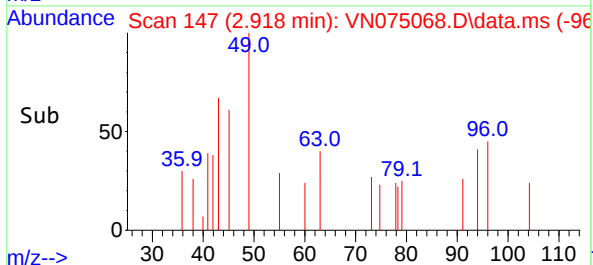
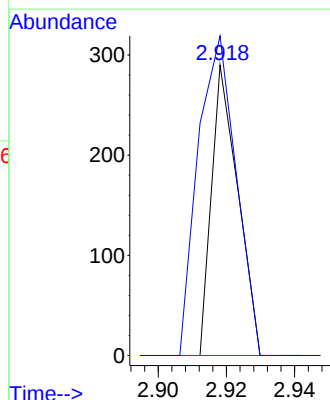
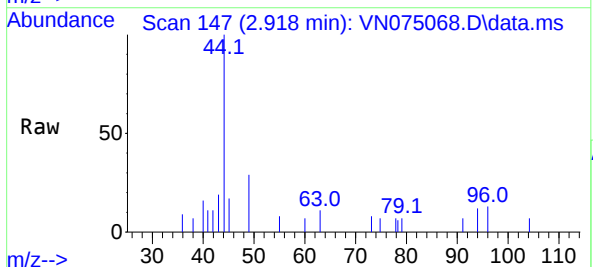
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NW-QUARTER

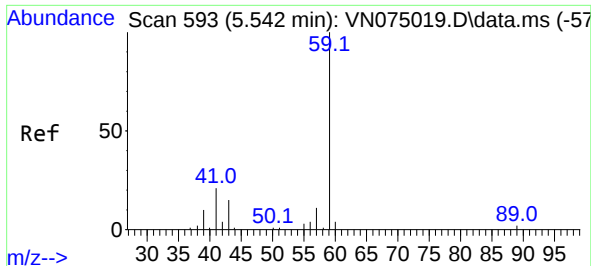
Tgt Ion:168 Resp: 105113
Ion Ratio Lower Upper
168 100
99 65.2 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

Tgt Ion: 94 Resp: 156
Ion Ratio Lower Upper
94 100
96 110.0 71.8 107.6#





#11

Tert butyl alcohol

Concen: 1.714 ug/l

RT: 5.518 min Scan# 51

Delta R.T. -0.024 min

Lab File: VN075068.D

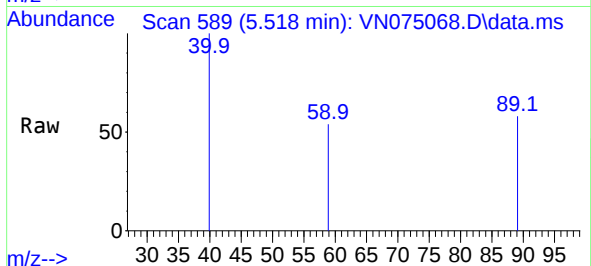
Acq: 28 Oct 2022 18:12

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-NW-QUARTER

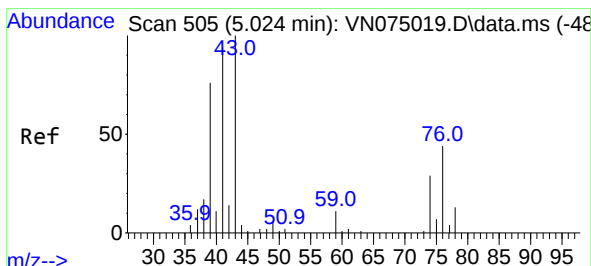
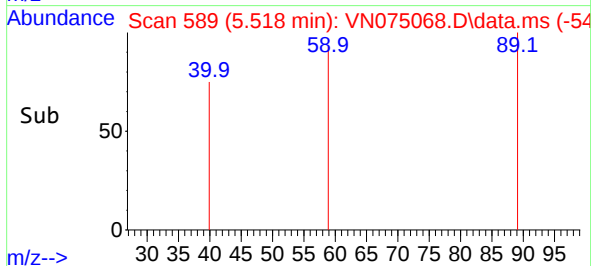
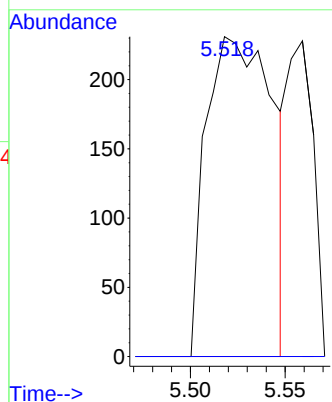


Tgt Ion: 59 Resp: 566

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#14

Allyl chloride

Concen: 0.780 ug/l

RT: 5.283 min Scan# 549

Delta R.T. 0.259 min

Lab File: VN075068.D

Acq: 28 Oct 2022 18:12

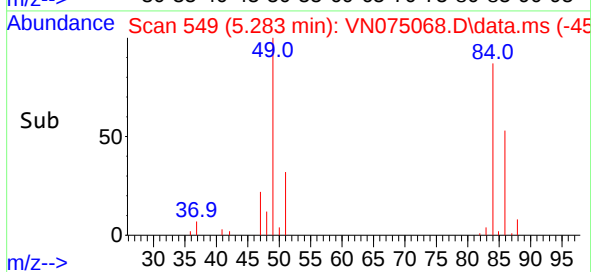
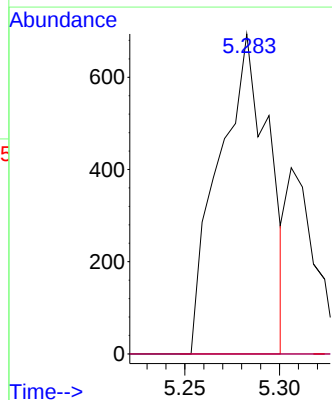
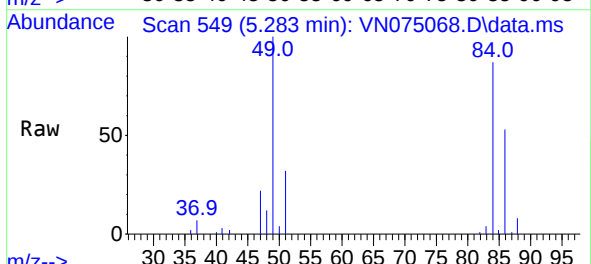
Tgt Ion: 41 Resp: 1269

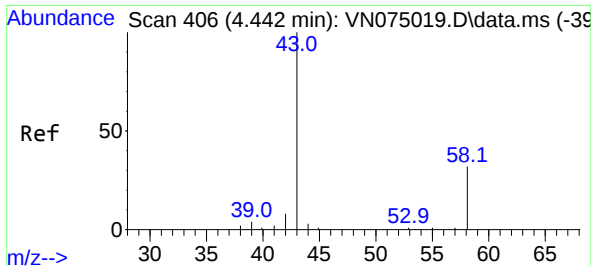
Ion Ratio Lower Upper

41 100

39 0.0 61.0 91.4#

76 0.0 33.4 50.0#

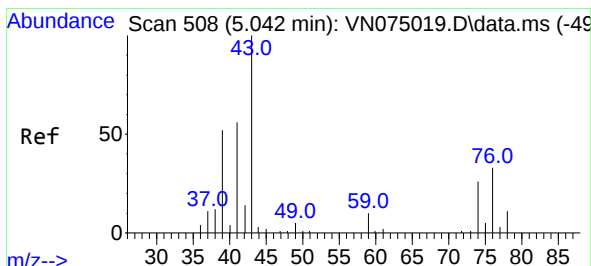
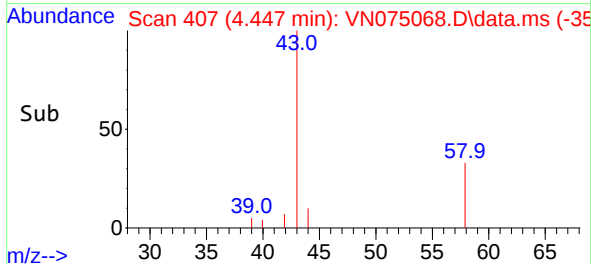
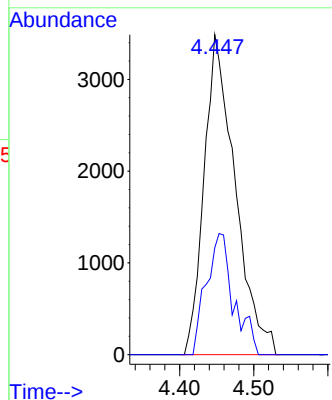
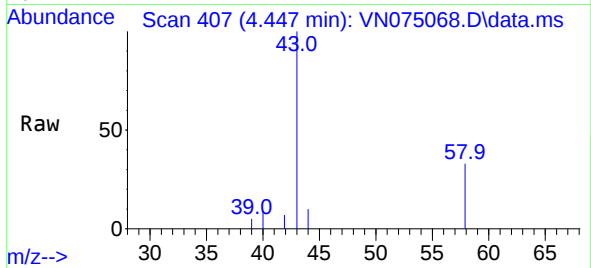




#16
Acetone
Concen: 16.899 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.005 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

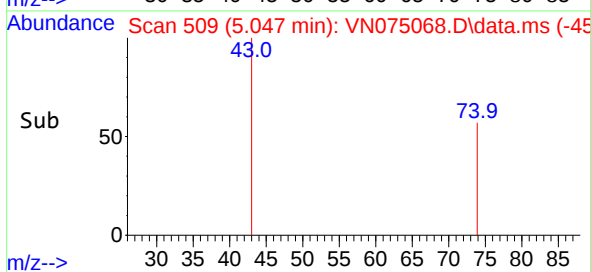
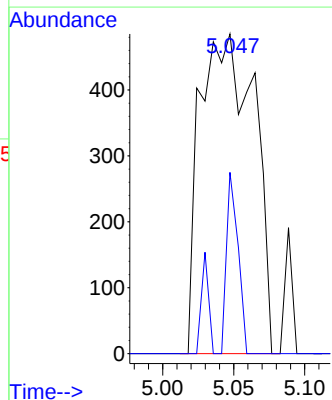
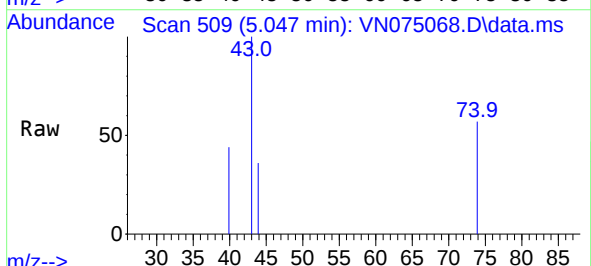
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NW-QUARTER

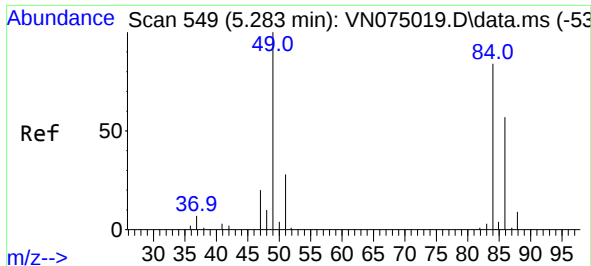
Tgt Ion: 43 Resp: 10134
Ion Ratio Lower Upper
43 100
58 33.4 25.5 38.3



#18
Methyl Acetate
Concen: 0.657 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.005 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

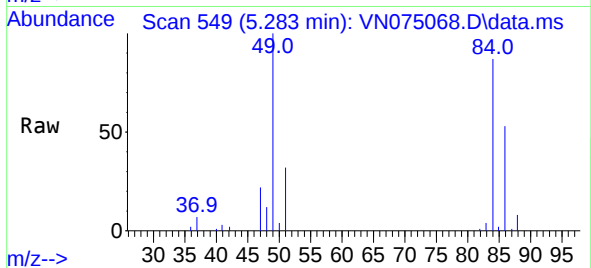
Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
74 12.0 22.0 33.0#





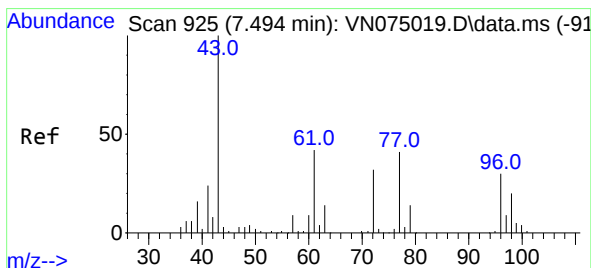
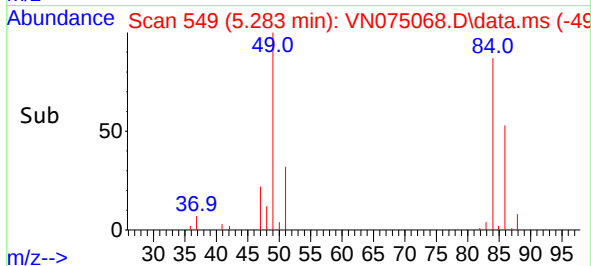
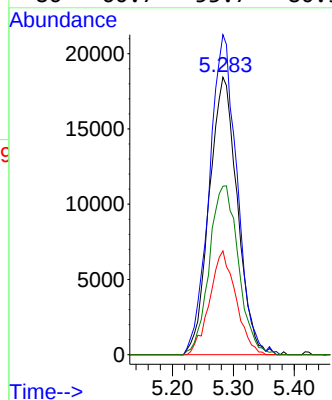
#20
Methylene Chloride
Concen: 44.159 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NW-QUARTER



Tgt Ion: 84 Resp: 59044

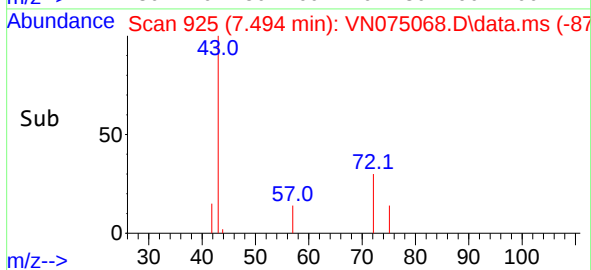
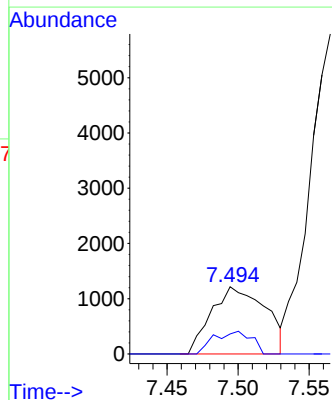
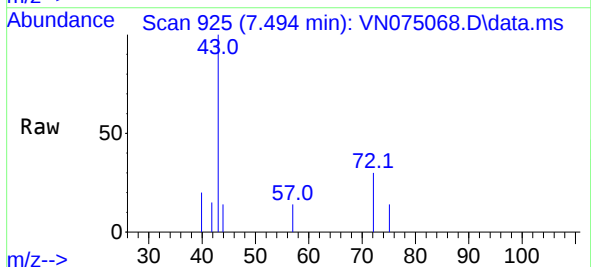
Ion	Ratio	Lower	Upper
84	100		
49	115.3	94.9	142.3
51	37.4	26.8	40.2
86	60.7	53.7	80.5

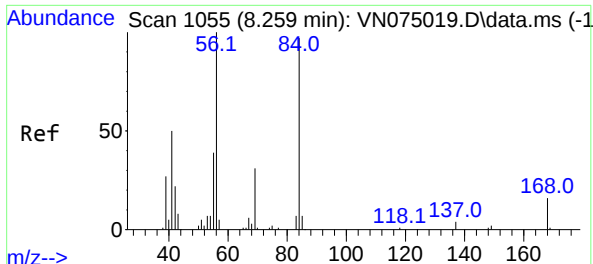


#25
2-Butanone
Concen: 3.408 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

Tgt Ion: 43 Resp: 3215

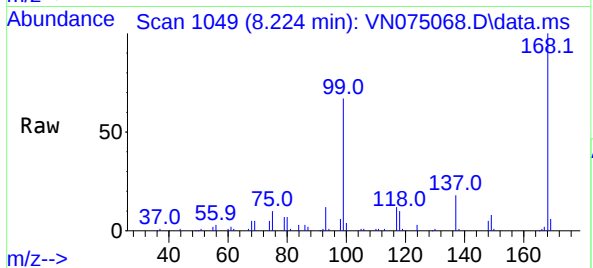
Ion	Ratio	Lower	Upper
43	100		
72	29.9	25.5	38.3



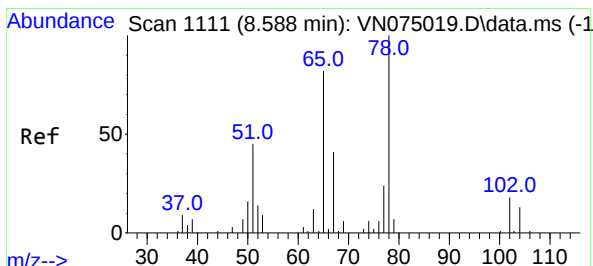
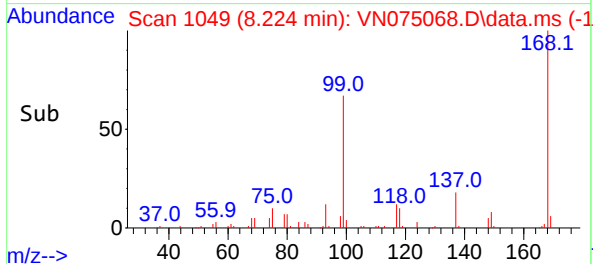
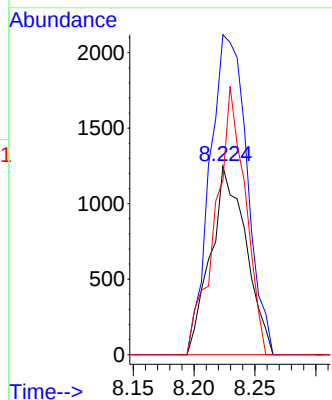


#31
Cyclohexane
Concen: 1.195 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NW-QUARTER

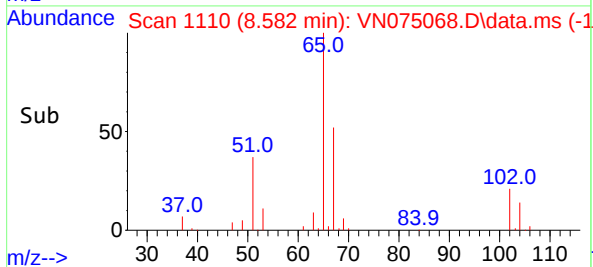
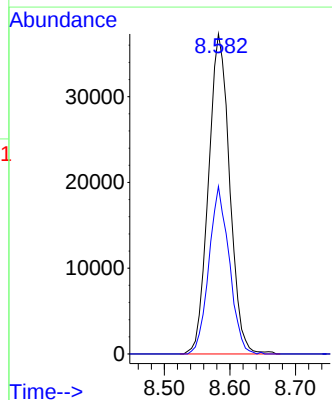
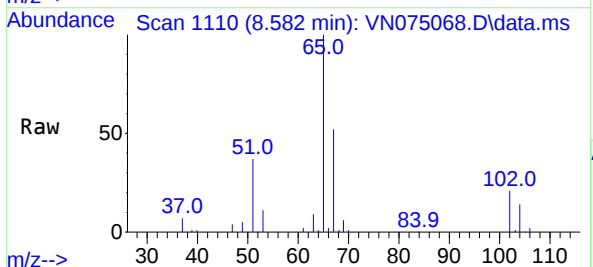


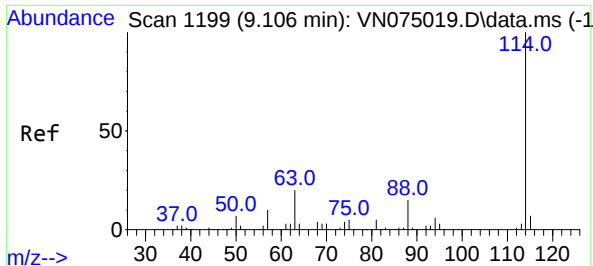
Tgt Ion: 56 Resp: 2518
Ion Ratio Lower Upper
56 100
69 169.9 25.2 37.8#
84 92.6 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 59.102 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

Tgt Ion: 65 Resp: 83705
Ion Ratio Lower Upper
65 100
67 50.3 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: VN075068.D

Acq: 28 Oct 2022 18:12

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-NW-QUARTER

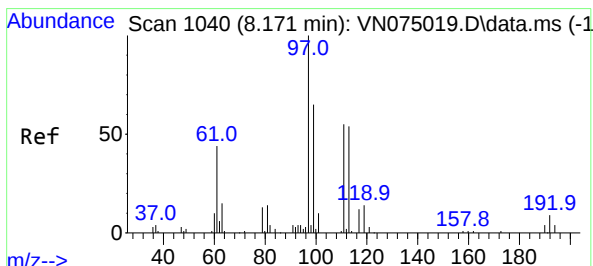
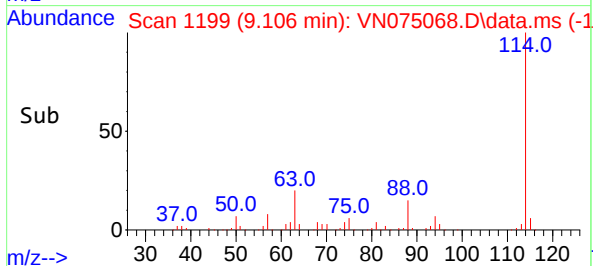
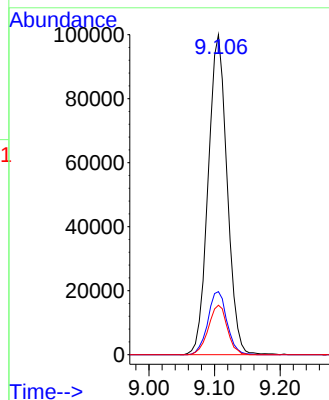
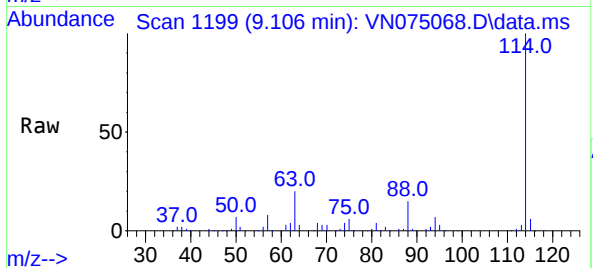
Tgt Ion:114 Resp: 200523

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 54.364 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075068.D

Acq: 28 Oct 2022 18:12

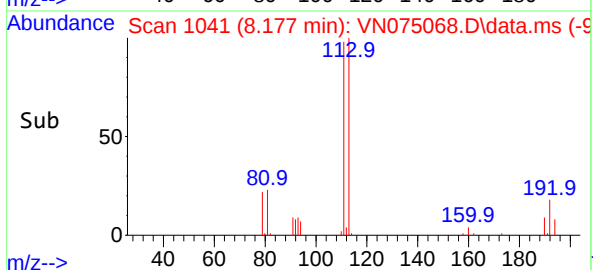
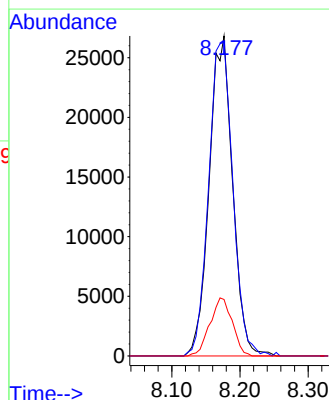
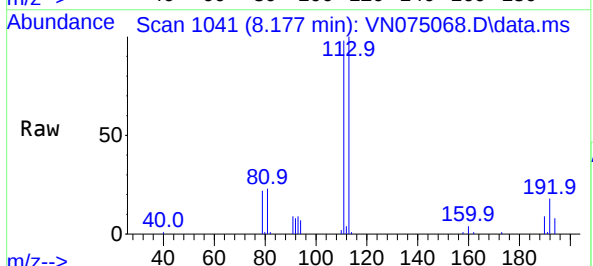
Tgt Ion:113 Resp: 63996

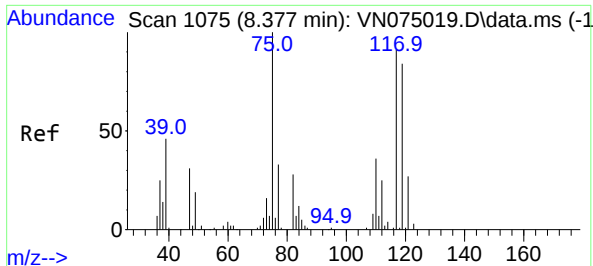
Ion Ratio Lower Upper

113 100

111 101.7 80.5 120.7

192 17.4 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.298 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN075068.D

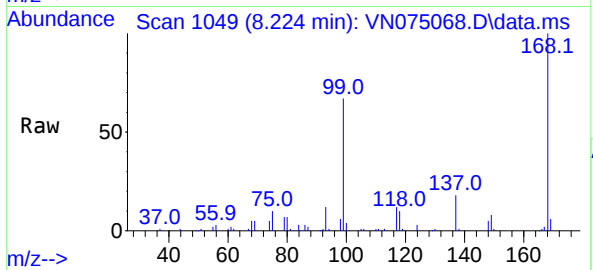
Acq: 28 Oct 2022 18:12

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-NW-QUARTER



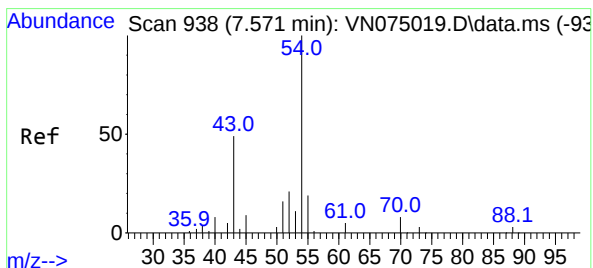
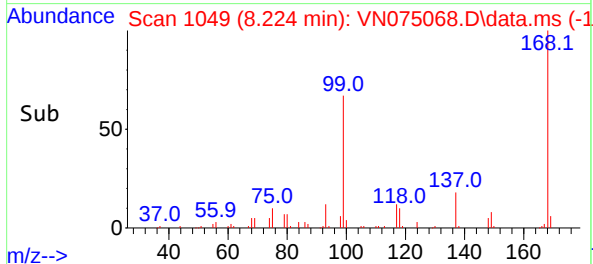
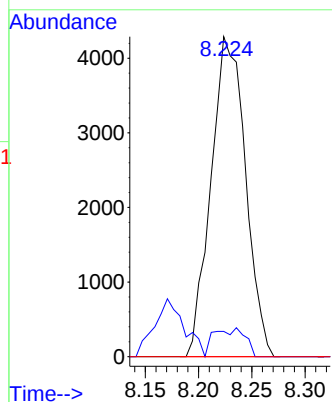
Tgt Ion: 75 Resp: 9655

Ion Ratio Lower Upper

75 100

110 4.7 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 8.176 ug/l

RT: 7.571 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN075068.D

Acq: 28 Oct 2022 18:12

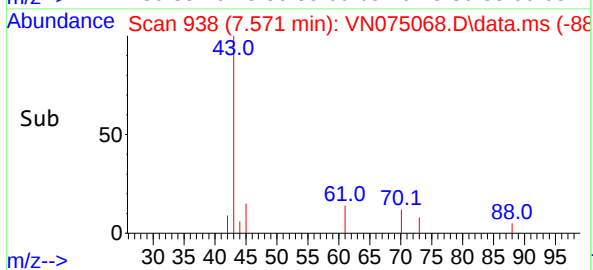
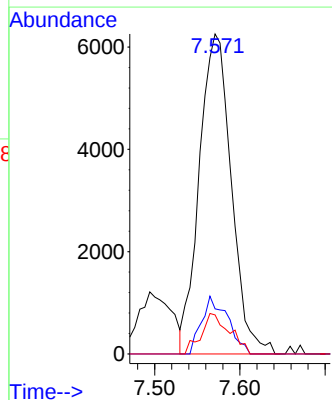
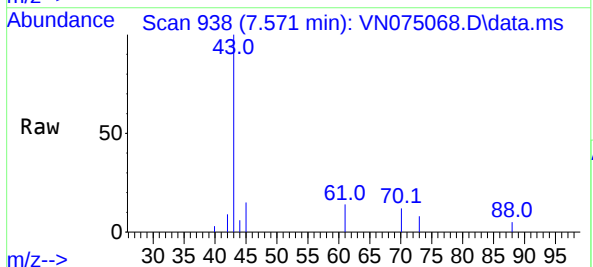
Tgt Ion: 43 Resp: 16341

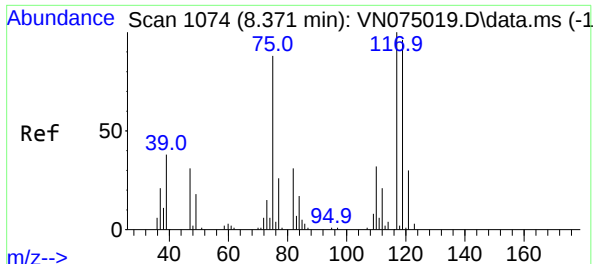
Ion Ratio Lower Upper

43 100

61 14.7 12.2 18.4

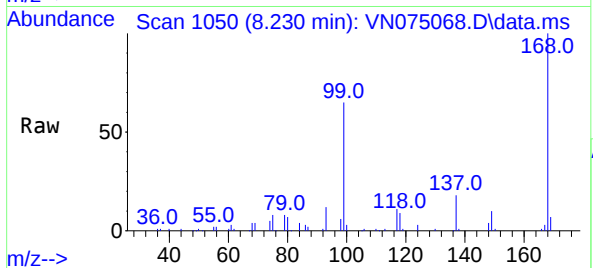
70 11.1 9.4 14.2



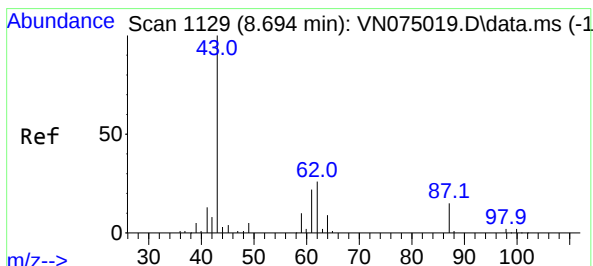
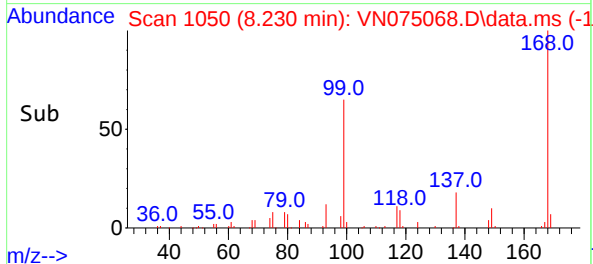
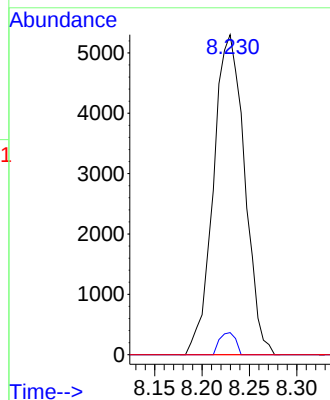


#38
Carbon Tetrachloride
Concen: 6.045 ug/l
RT: 8.230 min Scan# 1074
Delta R.T. -0.141 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

Instrument : MSVOA_N
ClientSampleId : COMPOSITE-NW-QUARTER

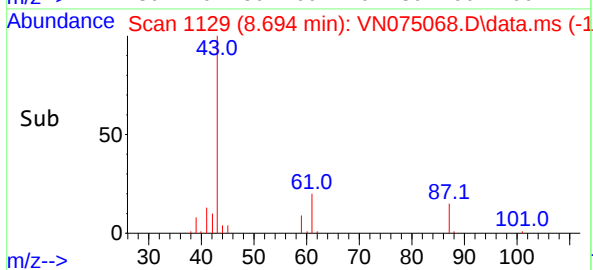
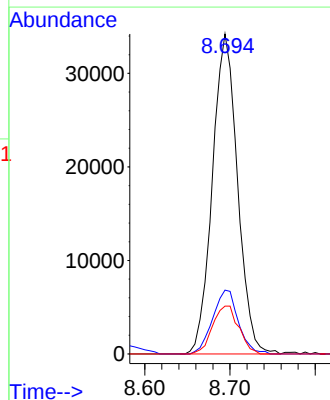
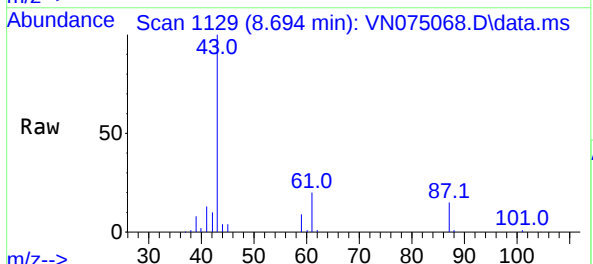


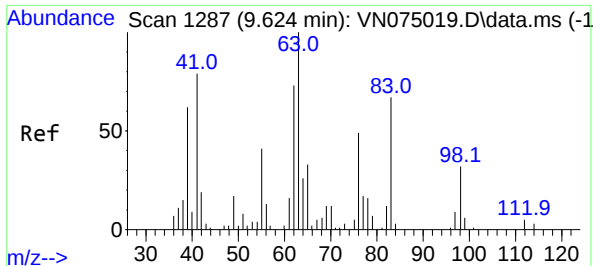
Tgt Ion:117 Resp: 12119
Ion Ratio Lower Upper
117 100
119 6.9 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 22.645 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

Tgt Ion: 43 Resp: 70203
Ion Ratio Lower Upper
43 100
61 20.3 22.4 33.6#
87 15.5 12.5 18.7





#45

1,2-Dichloropropane

Concen: 0.529 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN075068.D

Acq: 28 Oct 2022 18:12

Instrument :

MSVOA_N

ClientSampleId :

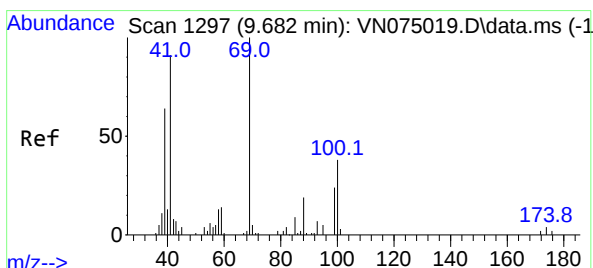
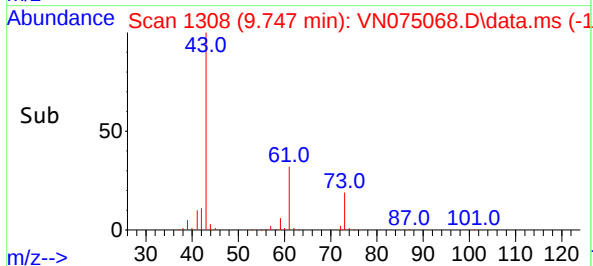
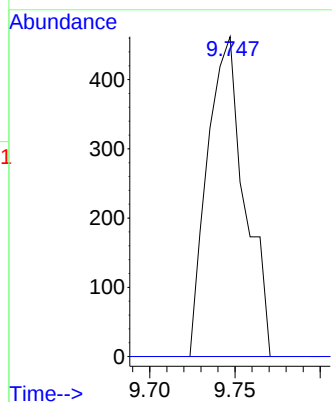
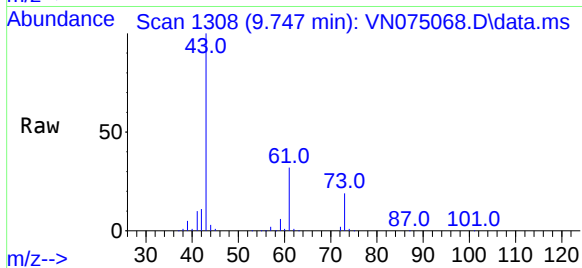
COMPOSITE-NW-QUARTER

Tgt Ion: 63 Resp: 702

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.603 ug/l

RT: 9.677 min Scan# 1296

Delta R.T. -0.005 min

Lab File: VN075068.D

Acq: 28 Oct 2022 18:12

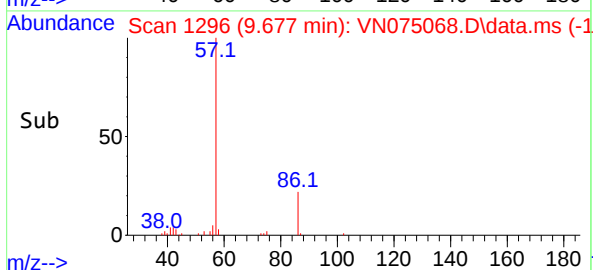
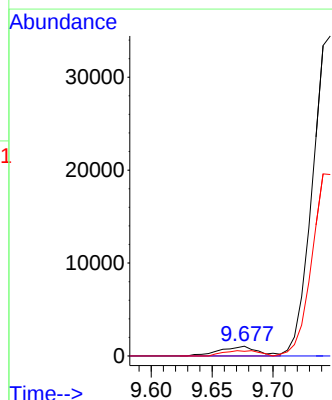
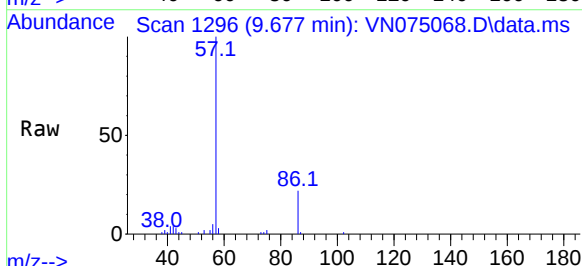
Tgt Ion: 41 Resp: 2280

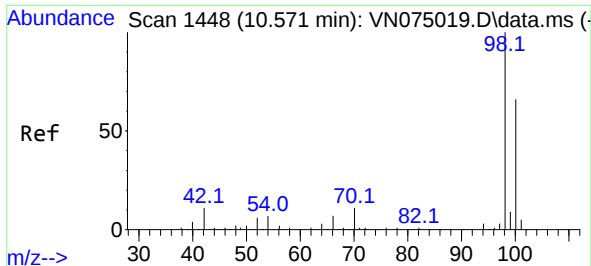
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 51.3 56.2 84.2#

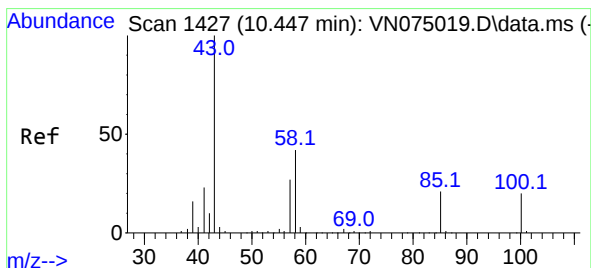
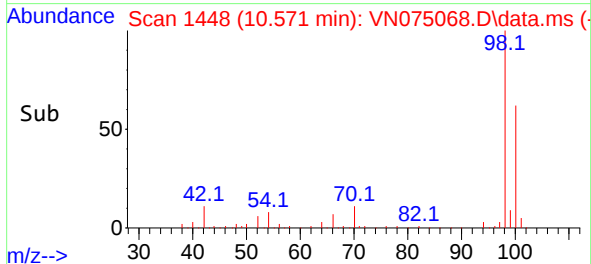
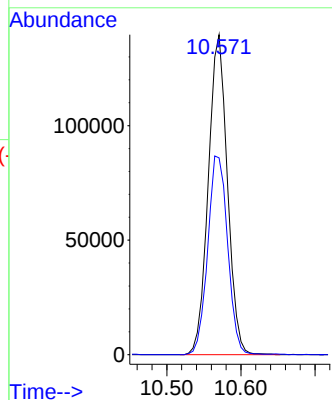
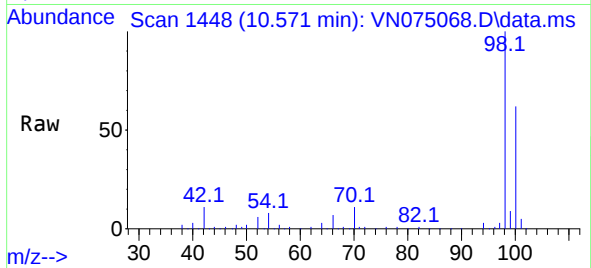




#50
Toluene-d8
Concen: 54.725 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

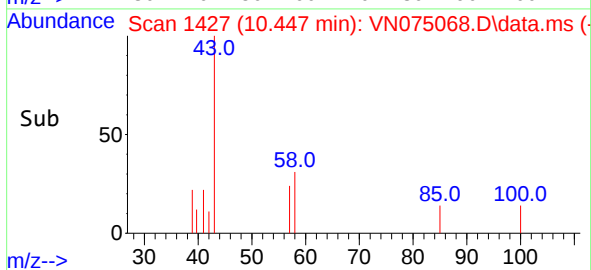
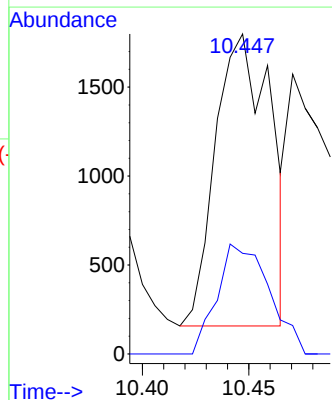
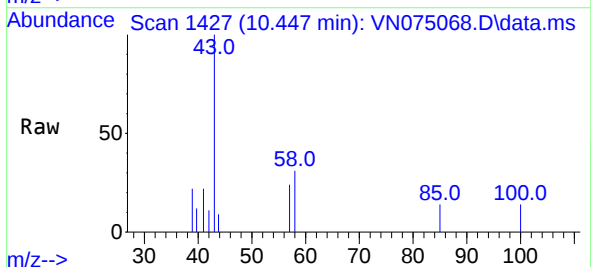
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NW-QUARTER

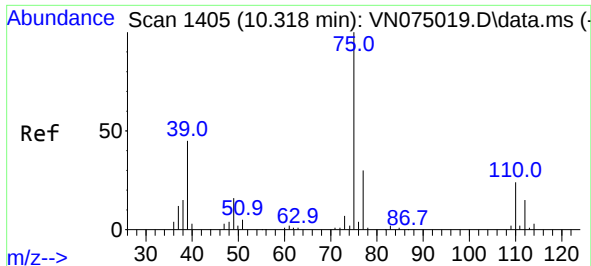
Tgt Ion: 98 Resp: 249933
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.483 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

Tgt Ion: 43 Resp: 2966
Ion Ratio Lower Upper
43 100
58 35.4 33.6 50.4

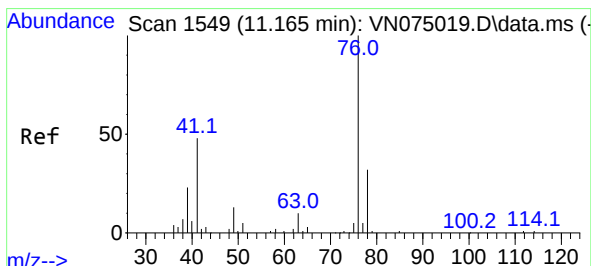
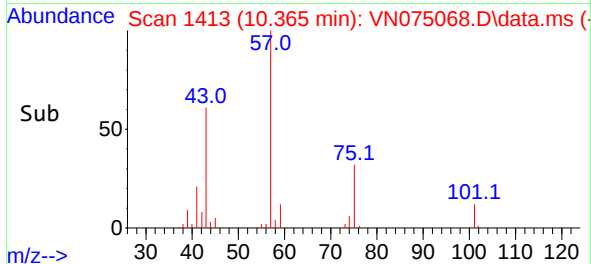
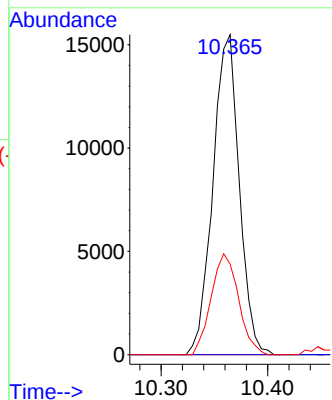
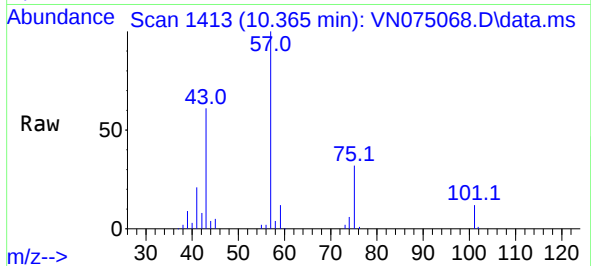




#54
cis-1,3-Dichloropropene
Concen: 11.840 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.047 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

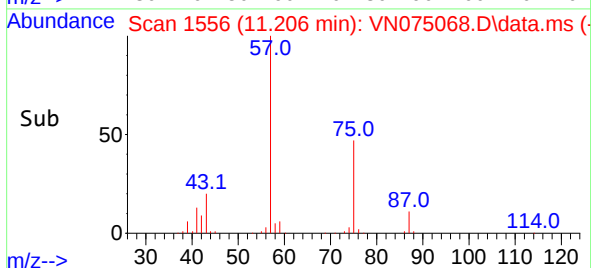
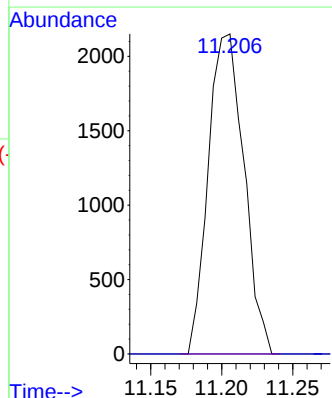
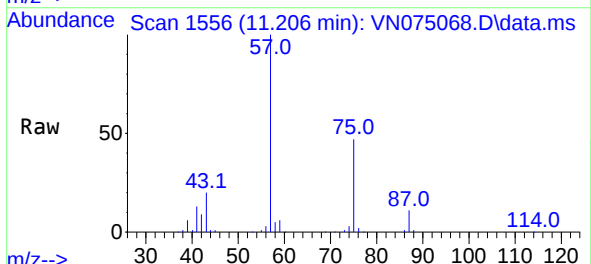
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NW-QUARTER

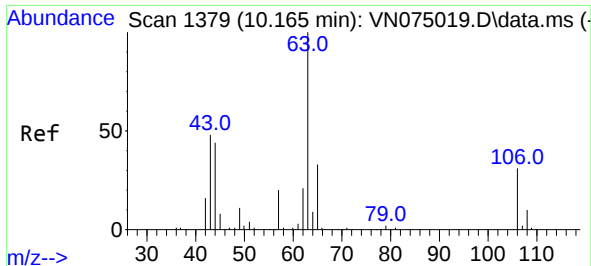
Tgt Ion: 75 Resp: 26557
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 28.3 35.8 53.6#



#57
1,3-Dichloropropane
Concen: 1.525 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

Tgt Ion: 76 Resp: 3757
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

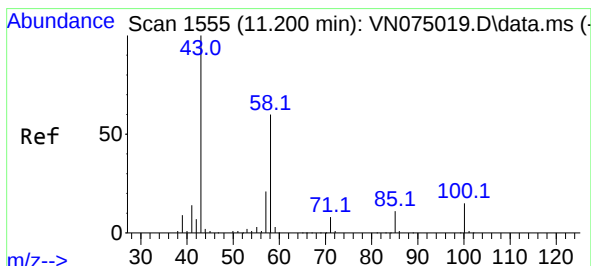
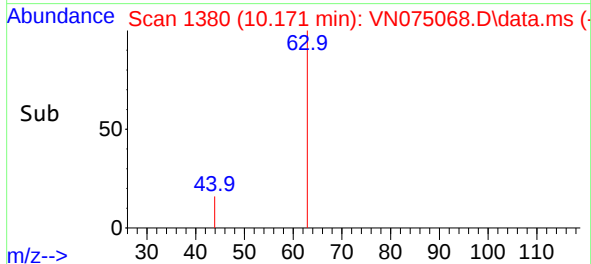
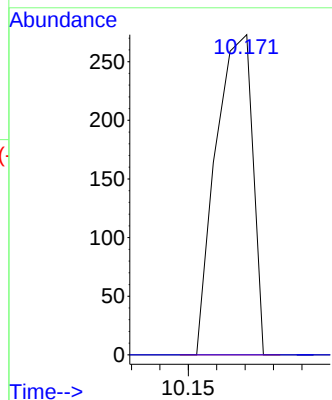
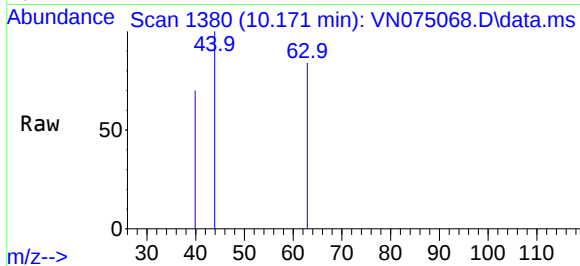




#58
2-Chloroethyl Vinyl ether
Concen: 0.282 ug/l
RT: 10.171 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

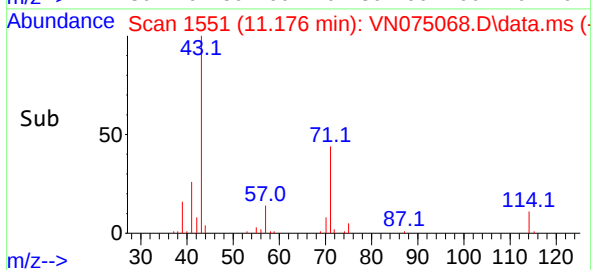
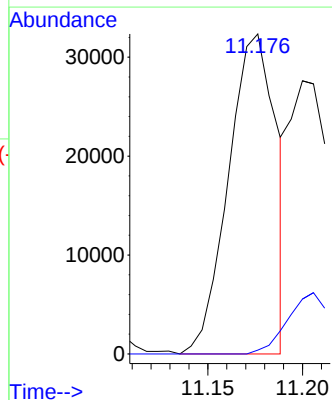
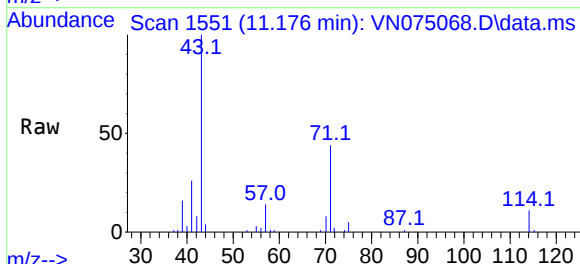
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NW-QUARTER

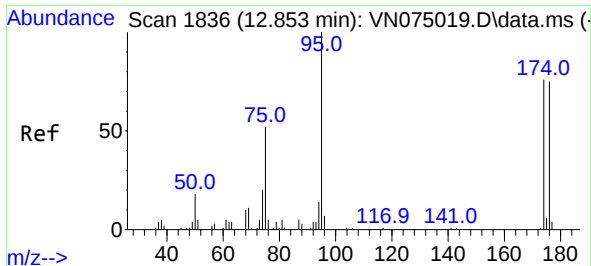
Tgt Ion: 63 Resp: 246
Ion Ratio Lower Upper
63 100
106 0.0 24.8 37.2#



#59
2-Hexanone
Concen: 37.418 ug/l
RT: 11.176 min Scan# 1551
Delta R.T. -0.024 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

Tgt Ion: 43 Resp: 56814
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#

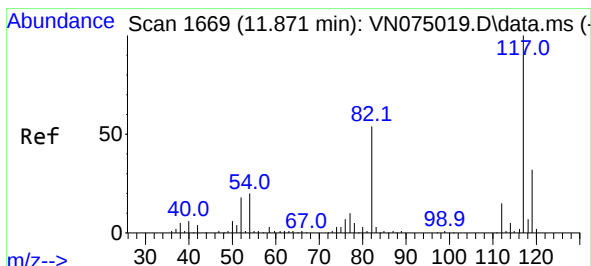
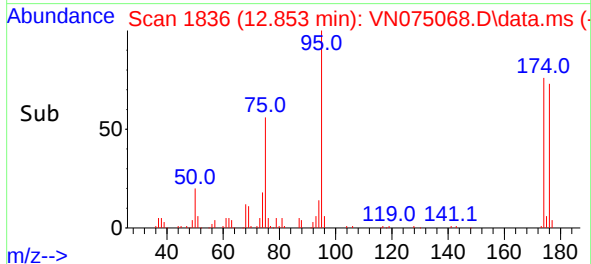
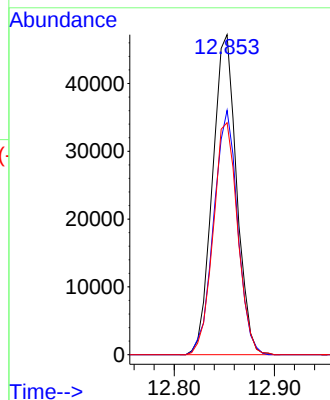
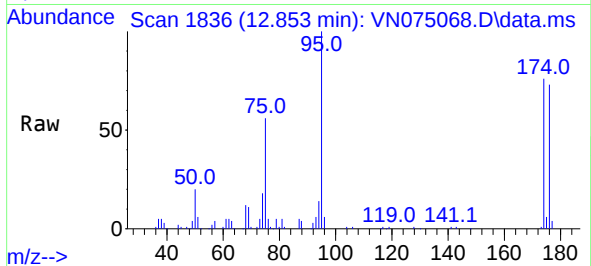




#62
4-Bromofluorobenzene
Concen: 49.028 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

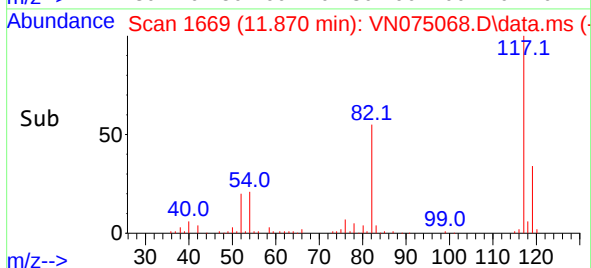
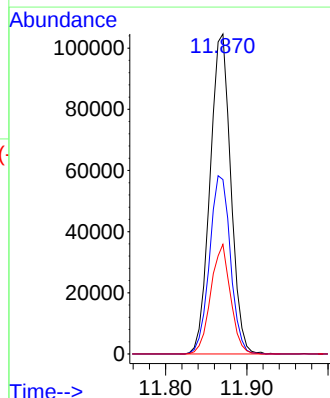
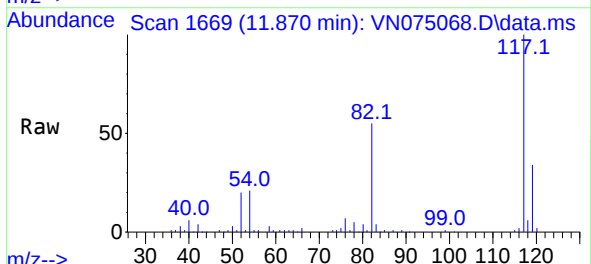
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NW-QUARTER

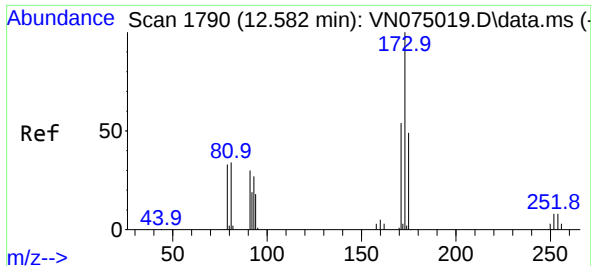
Tgt Ion: 95 Resp: 78658
Ion Ratio Lower Upper
95 100
174 75.8 0.0 147.4
176 73.6 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.001 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

Tgt Ion: 117 Resp: 185467
Ion Ratio Lower Upper
117 100
82 54.5 43.1 64.7
119 34.3 25.5 38.3

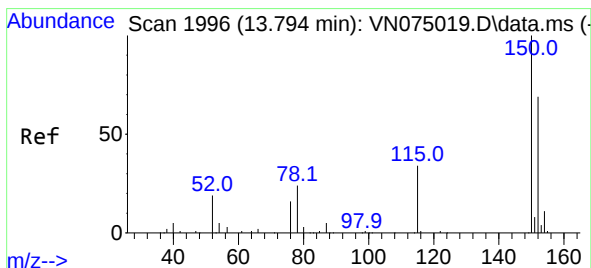
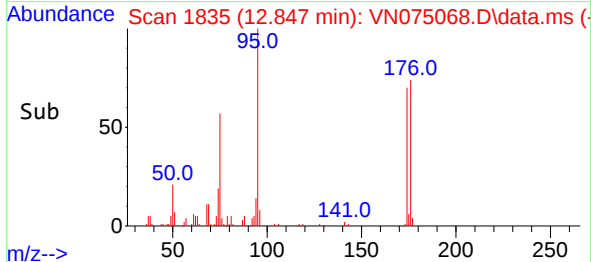
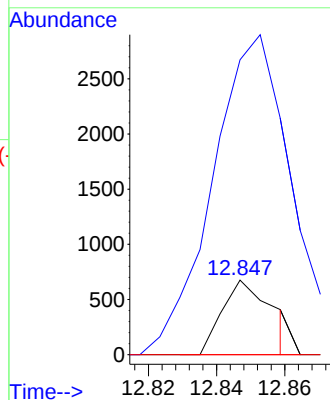
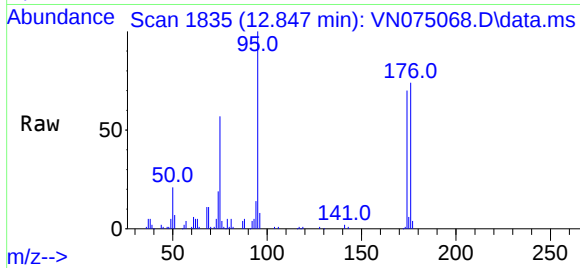




#71
Bromoform
Concen: 0.625 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

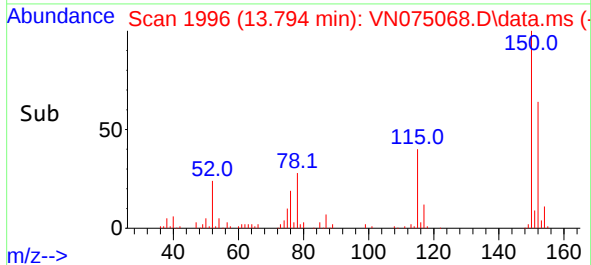
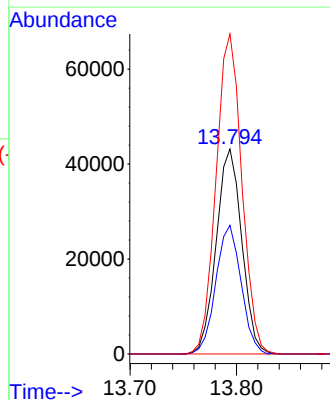
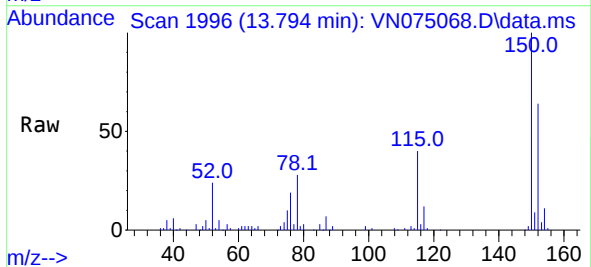
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NW-QUARTER

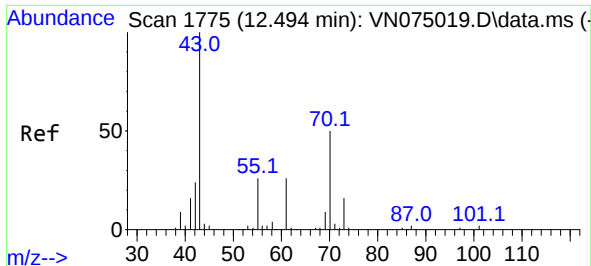
Tgt Ion:173 Resp: 687
Ion Ratio Lower Upper
173 100
175 582.1 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

Tgt Ion:152 Resp: 71903
Ion Ratio Lower Upper
152 100
115 62.2 30.2 90.6
150 157.5 0.0 348.4

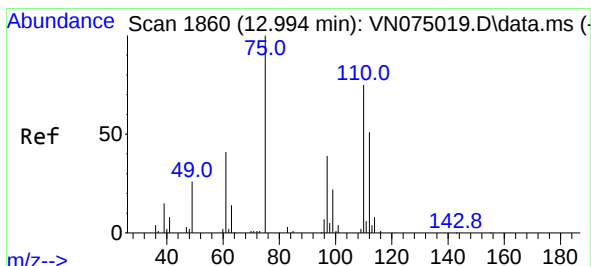
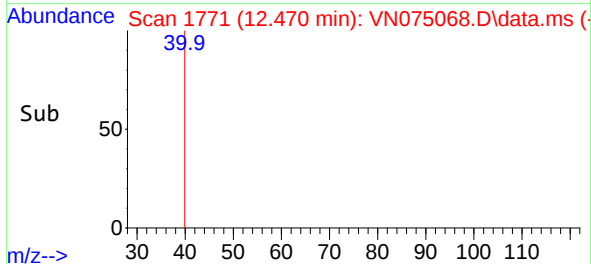
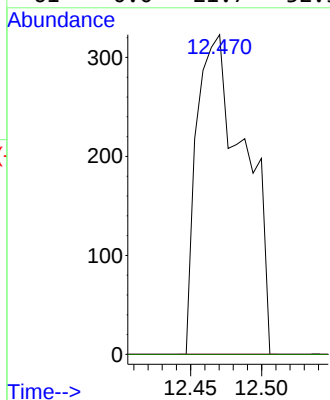
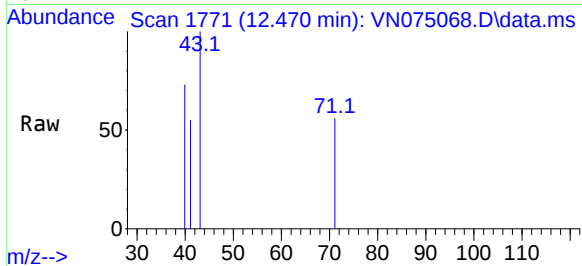




#74
N-amy1 acetate
Concen: 0.356 ug/l
RT: 12.470 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

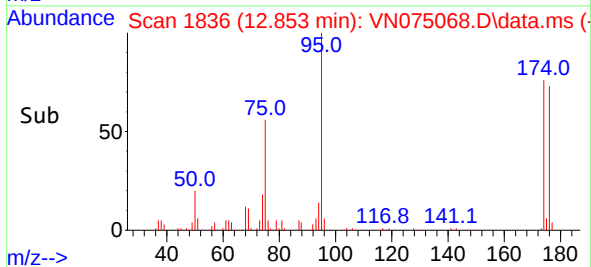
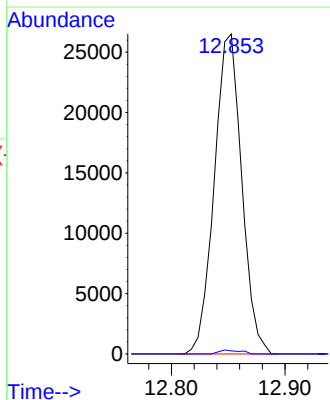
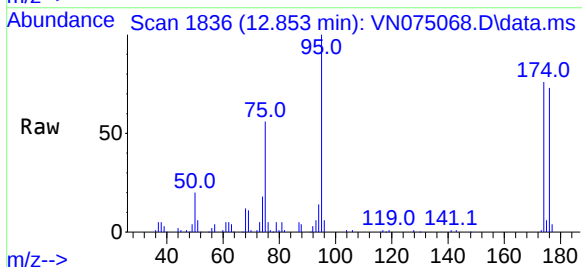
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-NW-QUARTER

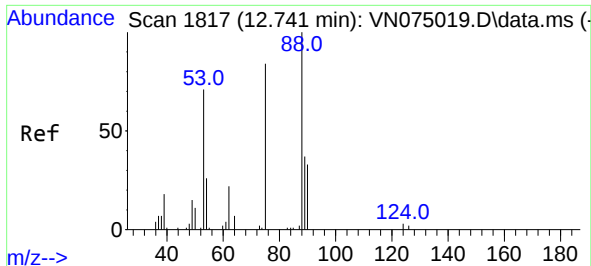
Tgt Ion: 43	Resp:	761
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	0.0	19.9 29.9#
61	0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 29.096 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075068.D
Acq: 28 Oct 2022 18:12

Tgt Ion: 75	Resp:	44421
Ion	Ratio	Lower Upper
75	100	
77	0.9	75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.690 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075068.D
 Acq: 28 Oct 2022 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-NW-QUARTER

Tgt Ion: 75 Resp: 44421
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

