

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074236.D
 Acq On : 01 Sep 2022 12:38
 Operator : JC\MD
 Sample : N4423-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2RE

Quant Time: Sep 01 16:15:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

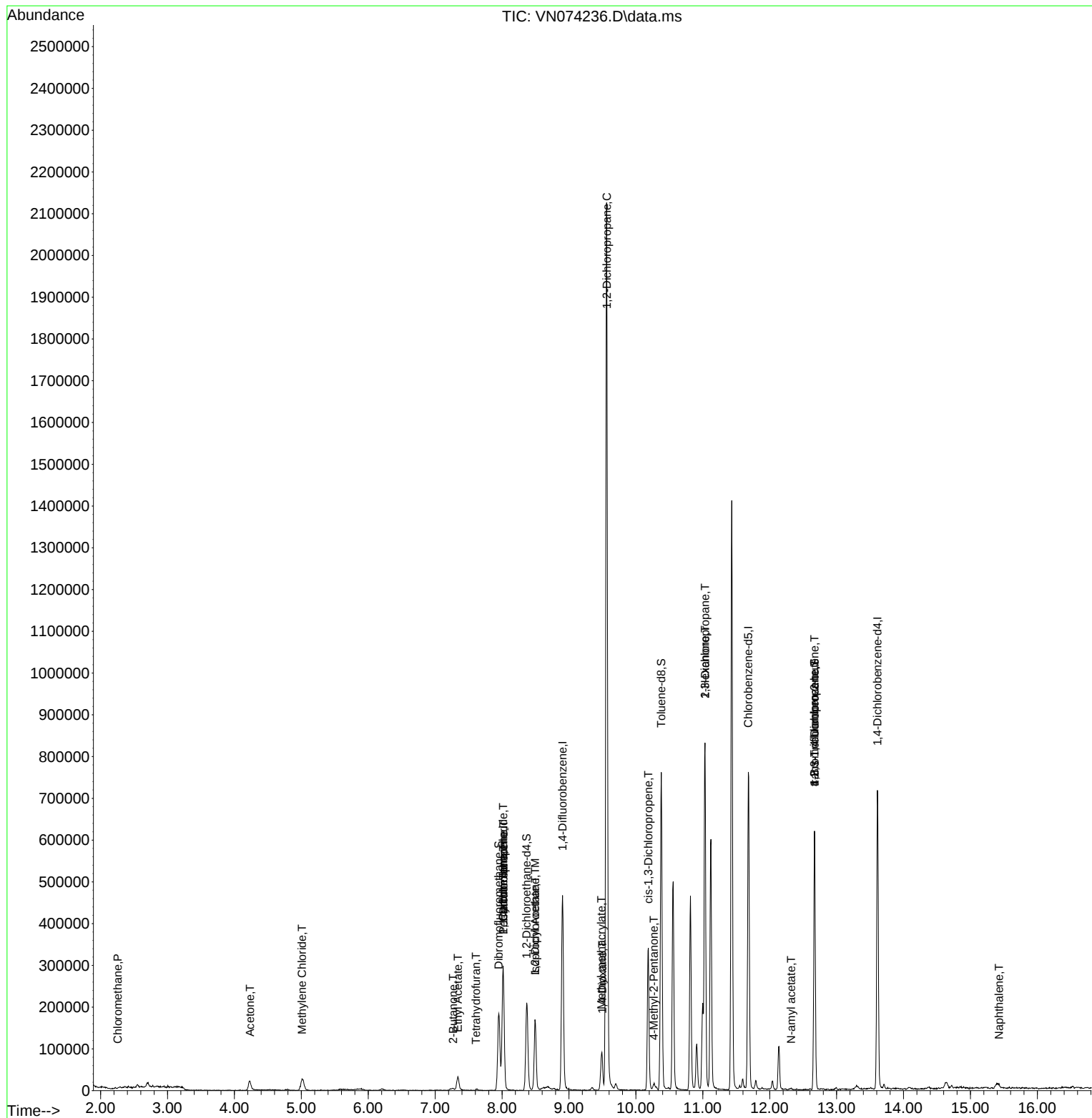
Internal Standards						
1) Pentafluorobenzene	8.022	168	206118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	386548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	403600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	175620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	166306	52.013	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.020%	
35) Dibromofluoromethane	7.951	113	133397	53.033	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.060%	
50) Toluene-d8	10.380	98	481221	48.580	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.160%	
62) 4-Bromofluorobenzene	12.669	95	186315	61.850	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 123.700%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.257	50	610	0.203	ug/l	99
6) Chloroethane	2.963	64	2109	Below Cal	#	42
11) Tert butyl alcohol	5.281	59	196	Below Cal	#	72
16) Acetone	4.234	43	40474	18.944	ug/l #	82
18) Methyl Acetate	4.793	43	4617	Below Cal	#	86
20) Methylene Chloride	5.010	84	20978	5.350	ug/l	97
25) 2-Butanone	7.269	43	6522	1.908	ug/l #	69
28) Bromochloromethane	7.534	49	65	Below Cal	#	8
29) Tetrahydrofuran	7.610	42	1303	0.599	ug/l #	51
31) Cyclohexane	8.016	56	6677	1.264	ug/l #	35
36) 1,1-Dichloropropene	8.022	75	20041	4.911	ug/l #	50
37) Ethyl Acetate	7.339	43	51475	7.542	ug/l #	95
38) Carbon Tetrachloride	8.016	117	21870	5.901	ug/l #	21
42) 1,2-Dichloroethane	8.492	62	1380	0.303	ug/l #	74
43) Isopropyl Acetate	8.492	43	192042	20.930	ug/l #	85
45) 1,2-Dichloropropane	9.569	63	2173	0.628	ug/l #	44
48) Methyl methacrylate	9.486	41	7062	1.620	ug/l #	38
49) 1,4-Dioxane	9.498	88	93	0.989	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	10867	1.632	ug/l #	83
54) cis-1,3-Dichloropropene	10.186	75	54186	11.273	ug/l #	72
57) 1,3-Dichloropropane	11.033	76	7970	1.404	ug/l #	42
59) 2-Hexanone	11.033	43	122923	24.324	ug/l #	45
74) N-amyl acetate	12.321	43	2117	0.249	ug/l #	50
76) 1,2,3-Trichloropropane	12.669	75	107706	24.650	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	107706	63.658	ug/l #	10
95) Naphthalene	15.427	128	3598	1.415	ug/l #	92

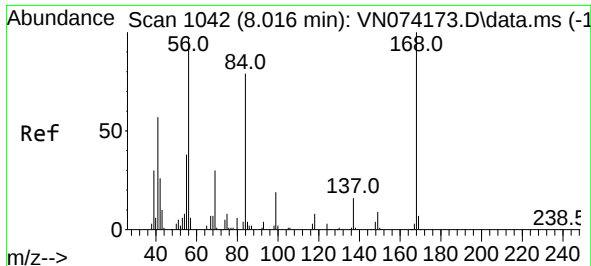
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
Data File : VN074236.D
Acq On : 01 Sep 2022 12:38
Operator : JC\MD
Sample : N4423-05RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-2RE

Quant Time: Sep 01 16:15:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 31 07:02:40 2022
Response via : Initial Calibration

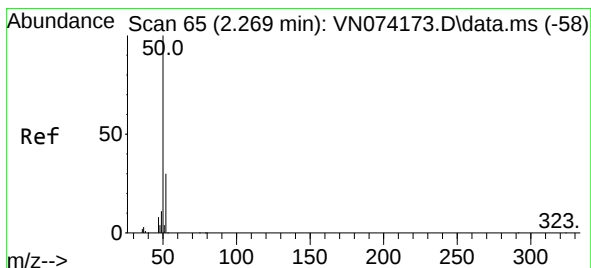
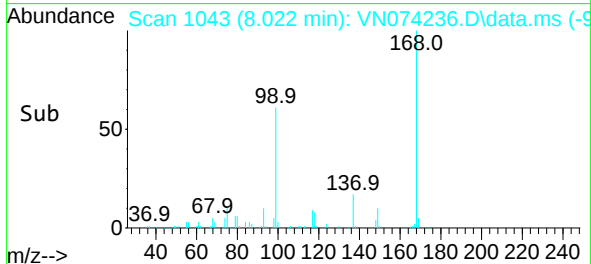
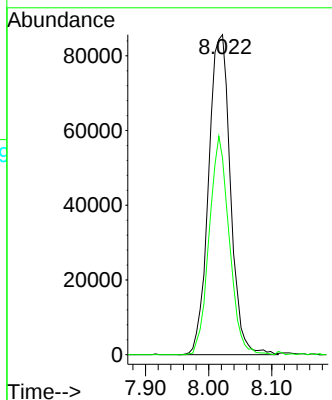
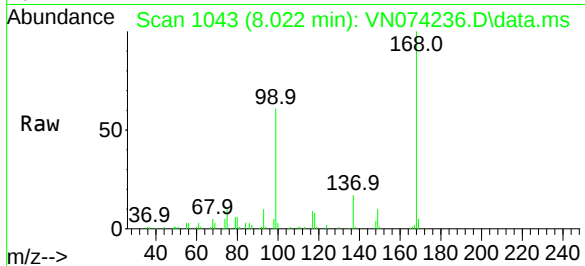




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

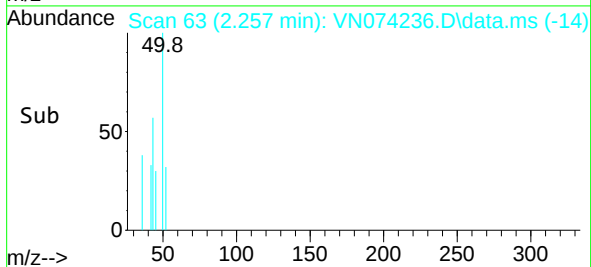
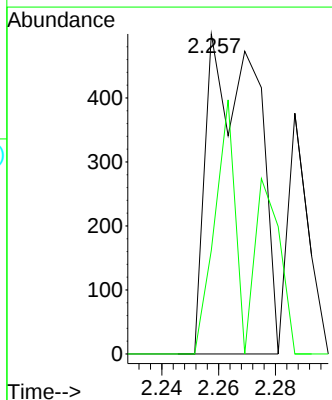
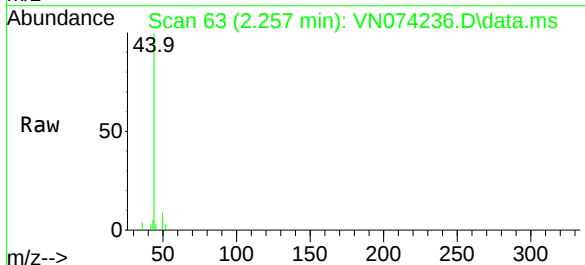
Instrument :
MSVOA_N
ClientSampleId :
WC-2RE

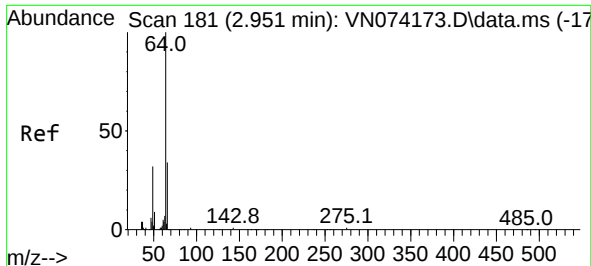
Tgt Ion:168 Resp: 206118
Ion Ratio Lower Upper
168 100
99 61.4 42.3 63.5



#3
Chloromethane
Concen: 0.203 ug/l
RT: 2.257 min Scan# 63
Delta R.T. -0.012 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

Tgt Ion: 50 Resp: 610
Ion Ratio Lower Upper
50 100
52 32.4 25.7 38.5

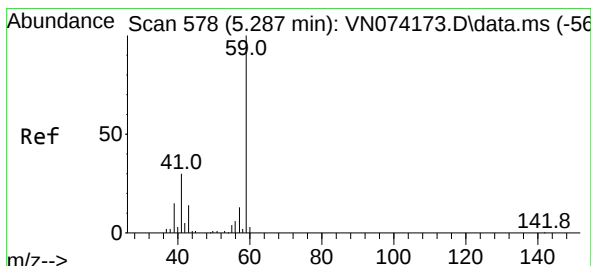
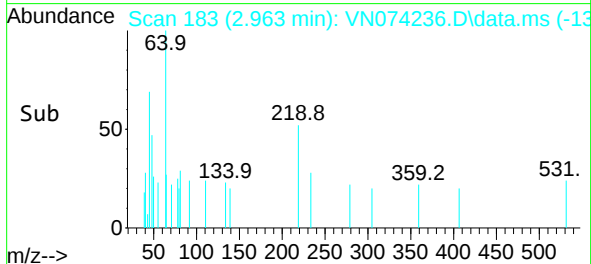
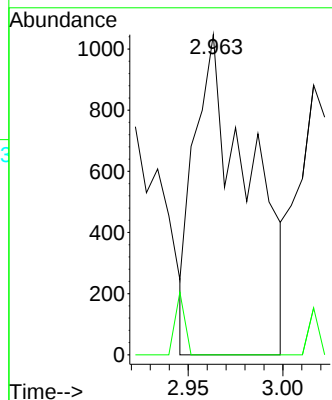
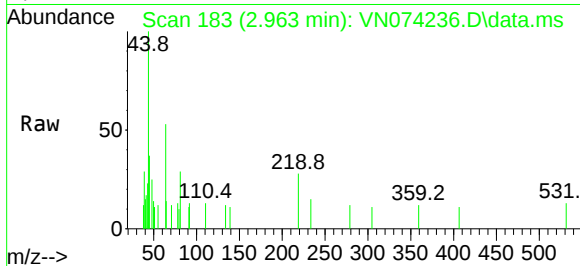




#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

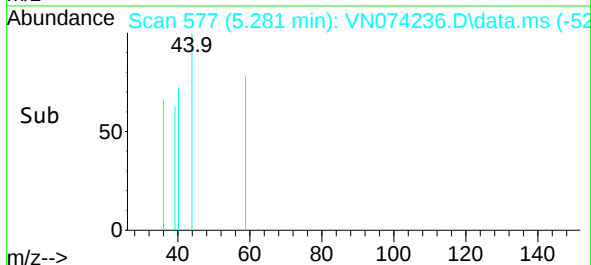
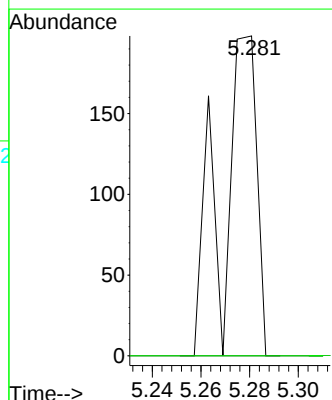
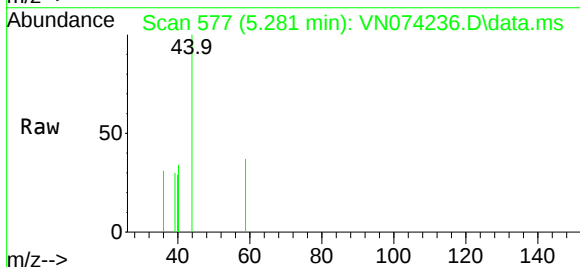
Instrument :
MSVOA_N
ClientSampleId :
WC-2RE

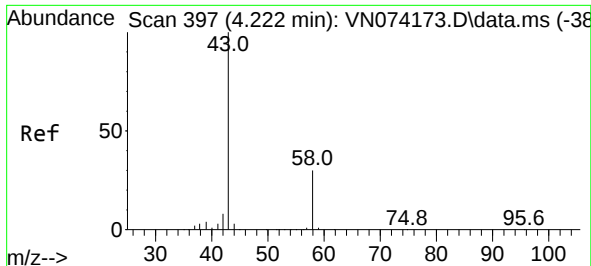
Tgt Ion: 64 Resp: 2109
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.281 min Scan# 577
Delta R.T. -0.006 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

Tgt Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 18.944 ug/l

RT: 4.234 min Scan# 399

Delta R.T. 0.012 min

Lab File: VN074236.D

Acq: 01 Sep 2022 12:38

Instrument :

MSVOA_N

ClientSampleId :

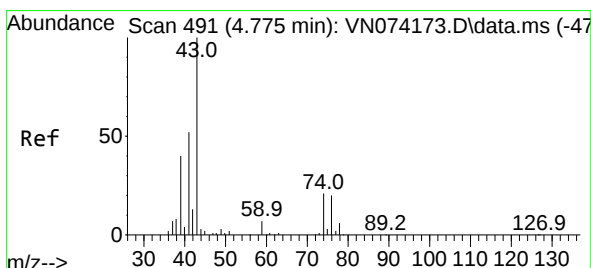
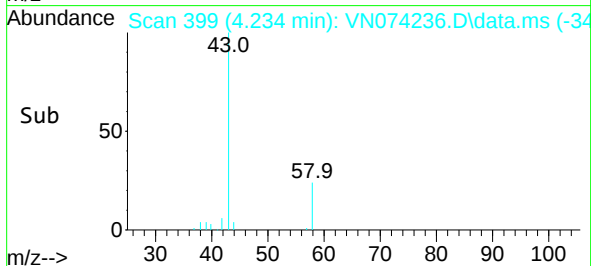
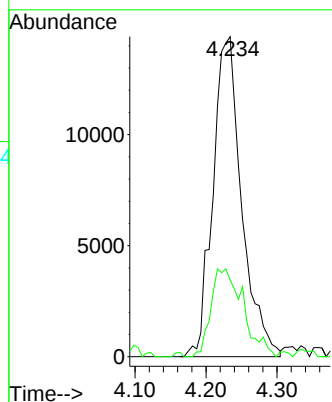
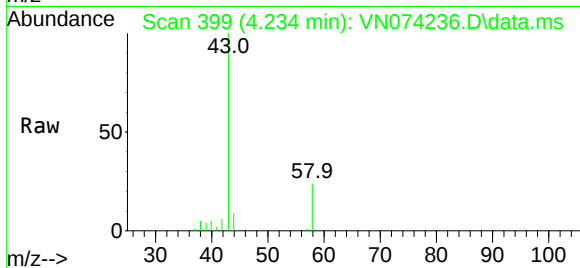
WC-2RE

Tgt Ion: 43 Resp: 40474

Ion Ratio Lower Upper

43 100

58 22.6 26.0 39.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.793 min Scan# 494

Delta R.T. 0.018 min

Lab File: VN074236.D

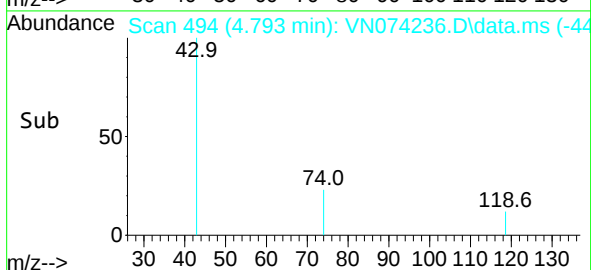
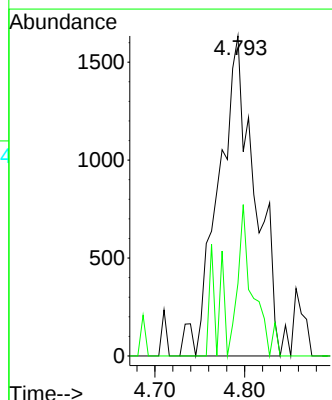
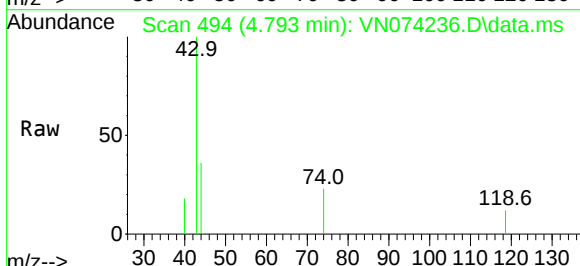
Acq: 01 Sep 2022 12:38

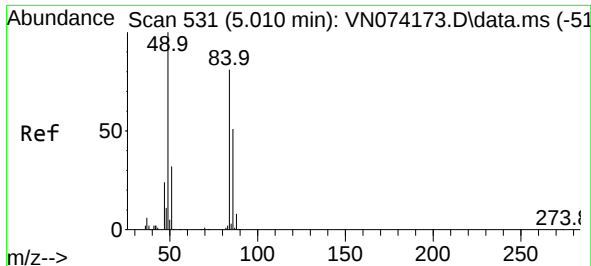
Tgt Ion: 43 Resp: 4617

Ion Ratio Lower Upper

43 100

74 19.7 21.6 32.4#

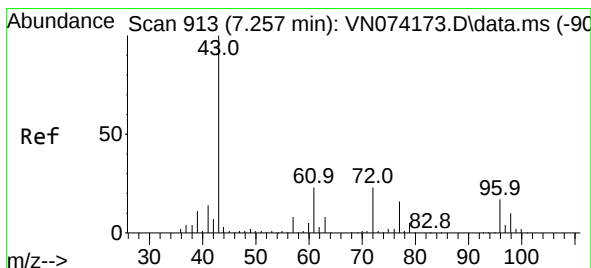
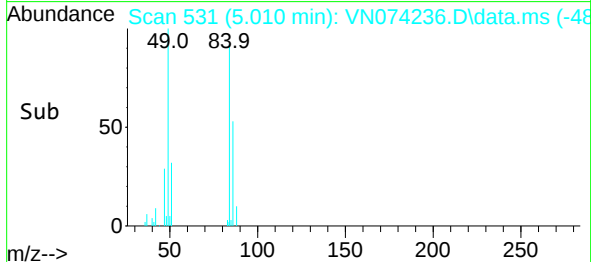
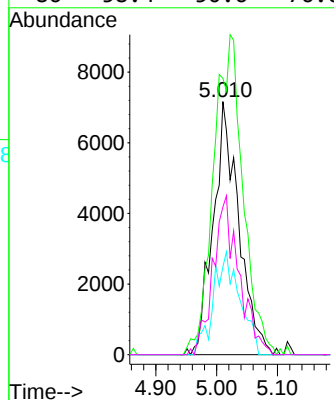
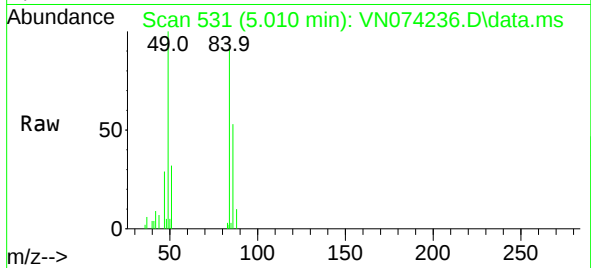




#20
Methylene Chloride
Concen: 5.350 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

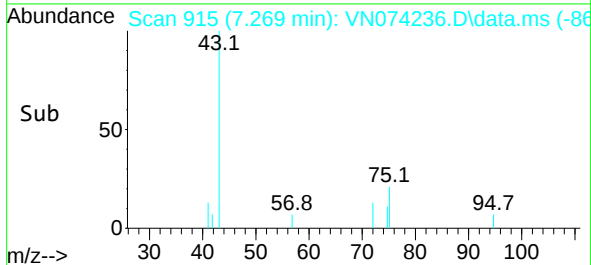
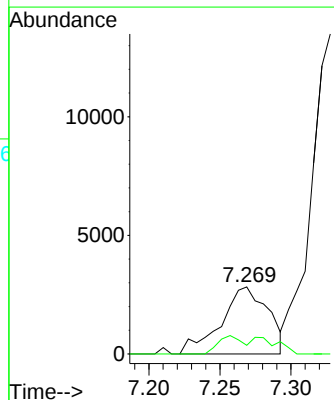
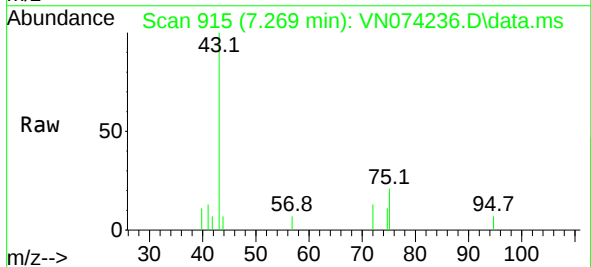
Instrument :
MSVOA_N
ClientSampleId :
WC-2RE

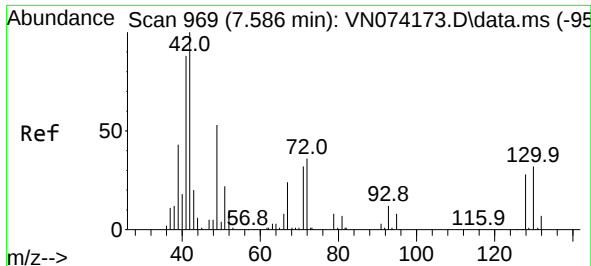
Tgt Ion:	84	Resp:	20978
Ion	Ratio	Lower	Upper
84	100		
49	109.2	88.3	132.5
51	34.8	28.2	42.2
86	58.4	50.6	76.0



#25
2-Butanone
Concen: 1.908 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

Tgt Ion:	43	Resp:	6522
Ion	Ratio	Lower	Upper
43	100		
72	13.0	23.7	35.5





#28

Bromochloromethane

Concen: Below Cal

RT: 7.534 min Scan# 91

Delta R.T. -0.052 min

Lab File: VN074236.D

Acq: 01 Sep 2022 12:38

Instrument :

MSVOA_N

ClientSampleId :

WC-2RE

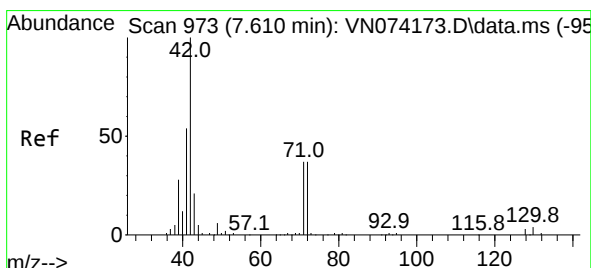
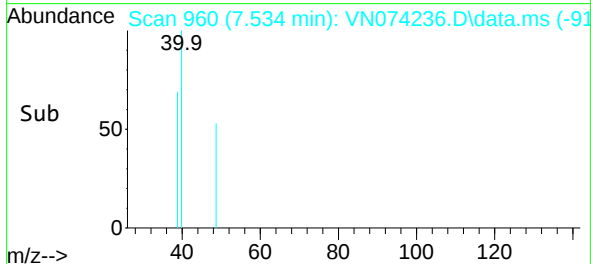
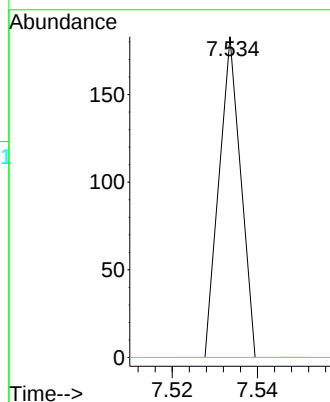
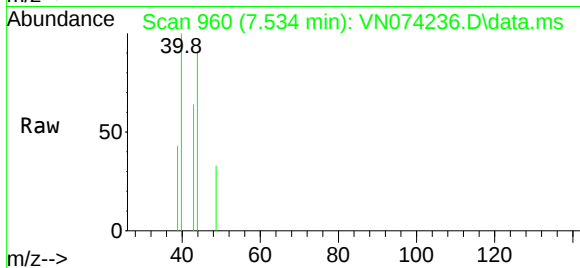
Tgt Ion: 49 Resp: 65

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 69.7 104.5#



#29

Tetrahydrofuran

Concen: 0.599 ug/l

RT: 7.610 min Scan# 973

Delta R.T. 0.000 min

Lab File: VN074236.D

Acq: 01 Sep 2022 12:38

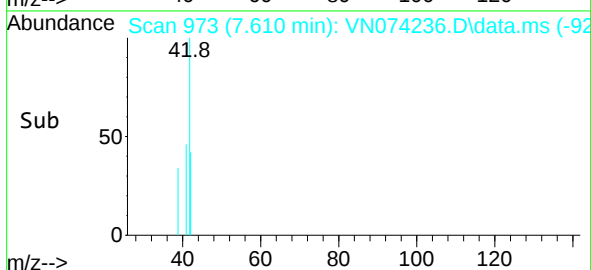
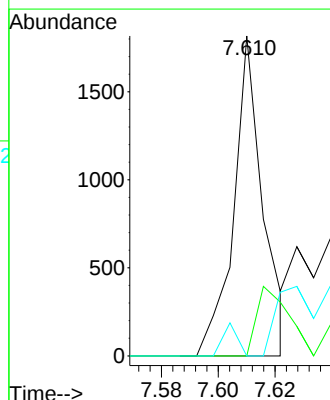
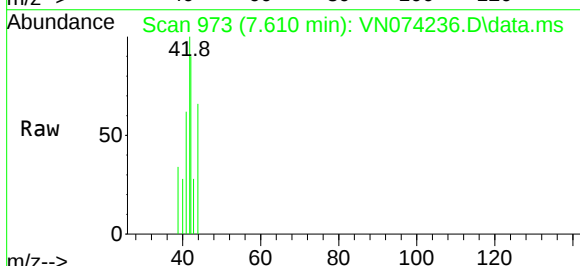
Tgt Ion: 42 Resp: 1303

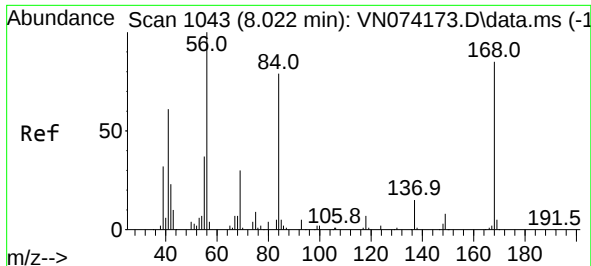
Ion Ratio Lower Upper

42 100

72 23.6 39.7 59.5#

71 5.1 36.6 55.0#

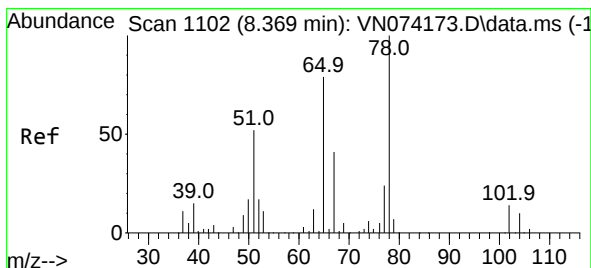
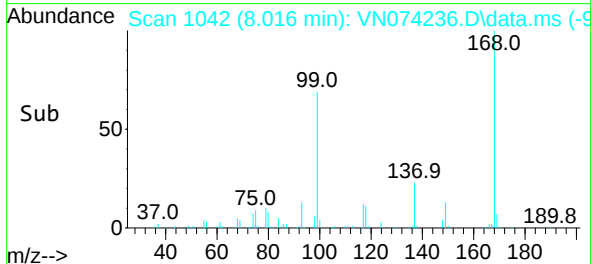
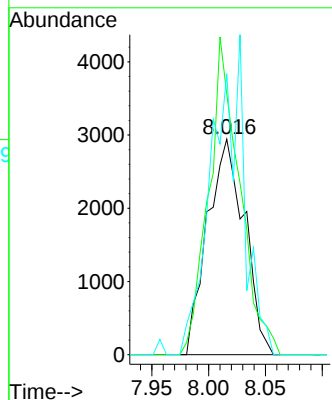
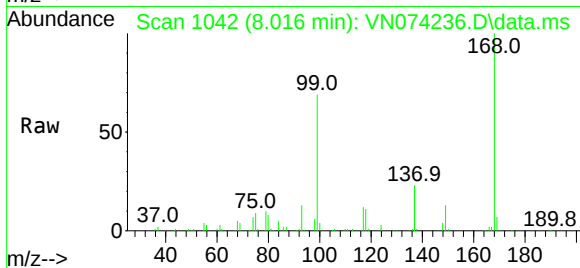




#31
Cyclohexane
Concen: 1.264 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

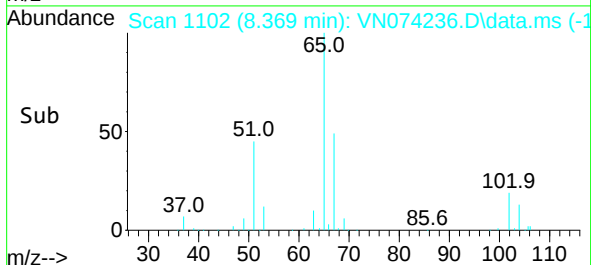
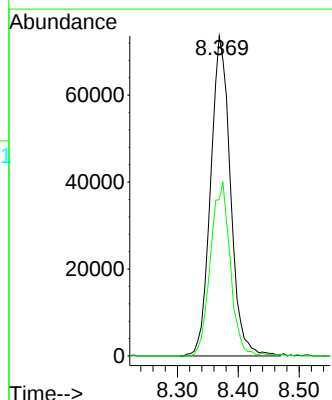
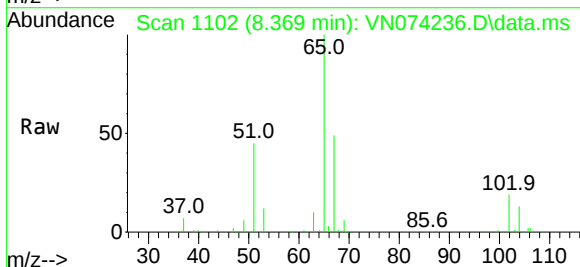
Instrument :
MSVOA_N
ClientSampleId :
WC-2RE

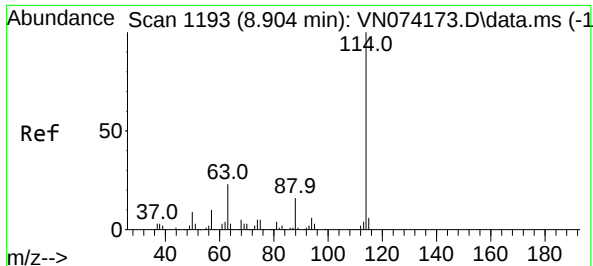
Tgt Ion: 56 Resp: 6677
Ion Ratio Lower Upper
56 100
69 121.0 27.8 41.8#
84 130.3 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 52.013 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

Tgt Ion: 65 Resp: 166306
Ion Ratio Lower Upper
65 100
67 53.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074236.D

Acq: 01 Sep 2022 12:38

Instrument :

MSVOA_N

ClientSampleId :

WC-2RE

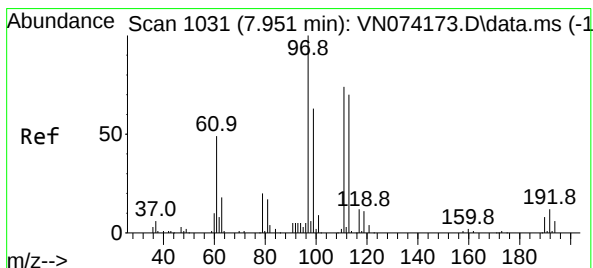
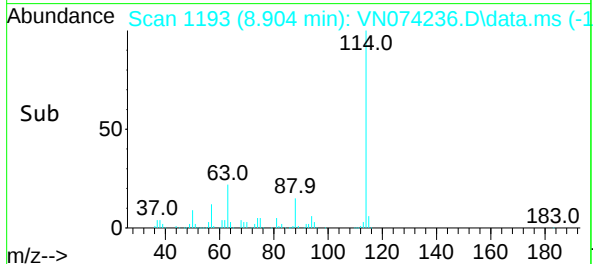
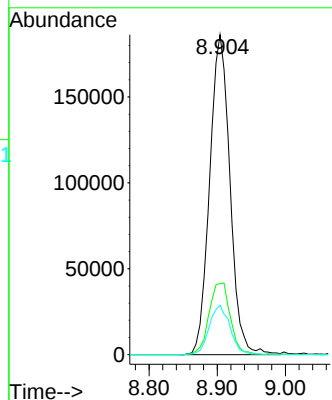
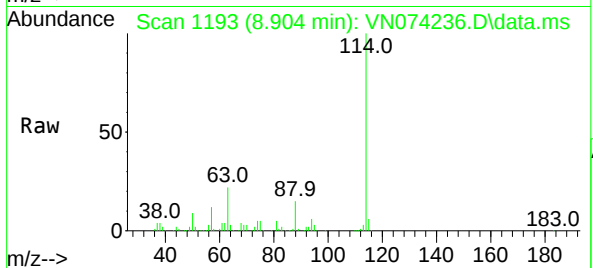
Tgt Ion:114 Resp: 386548

Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.033 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074236.D

Acq: 01 Sep 2022 12:38

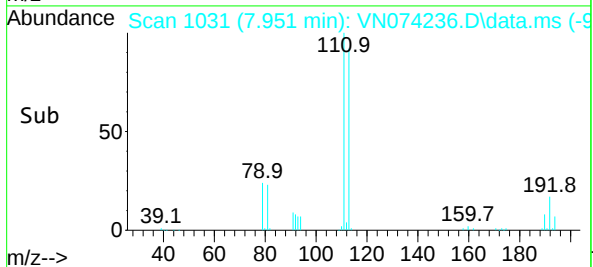
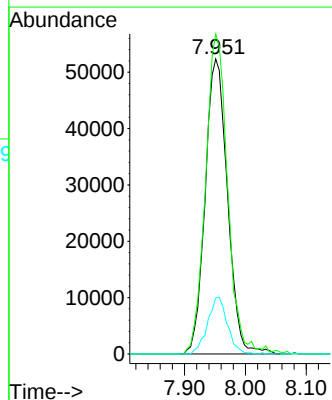
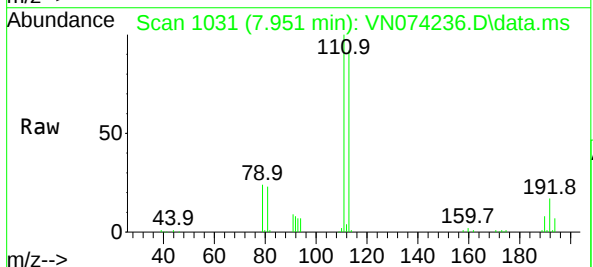
Tgt Ion:113 Resp: 133397

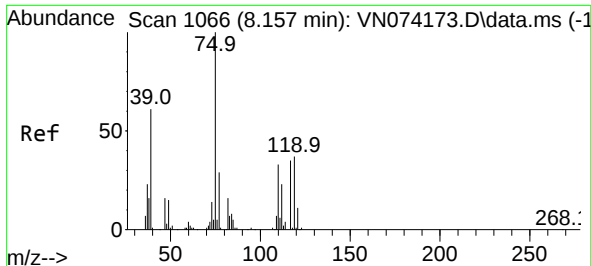
Ion Ratio Lower Upper

113 100

111 107.7 81.4 122.0

192 17.1 17.0 25.6

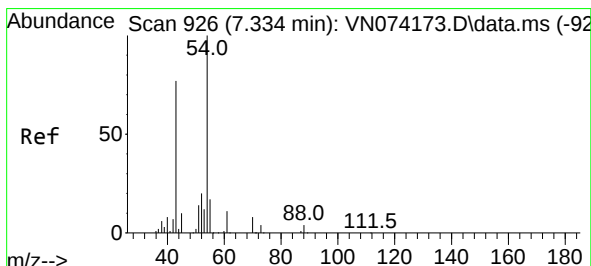
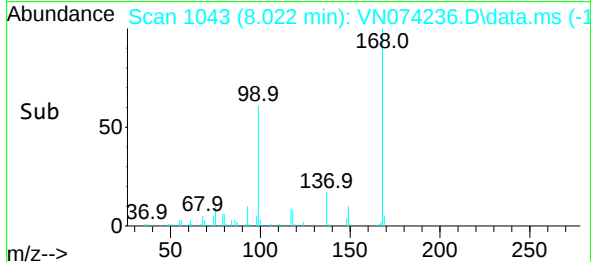
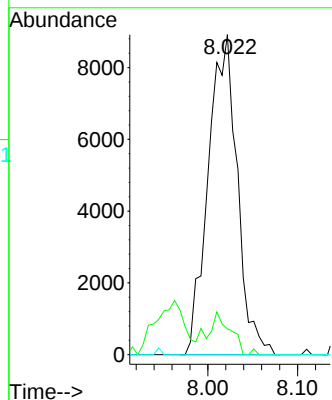
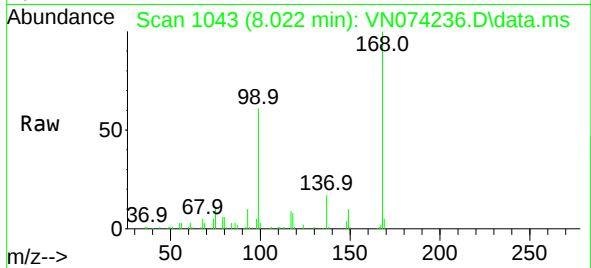




#36
1,1-Dichloropropene
Concen: 4.911 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.135 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

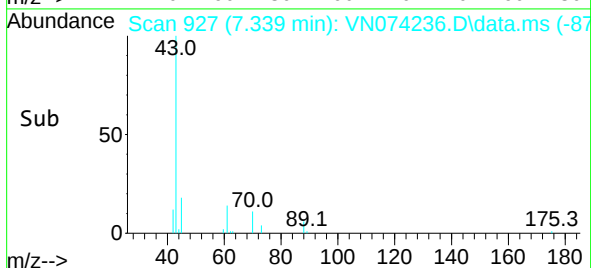
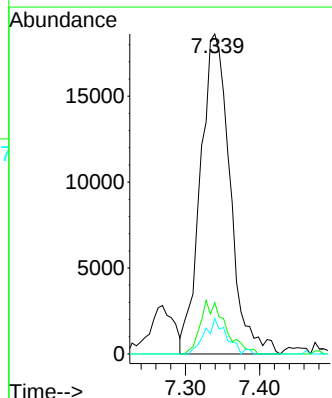
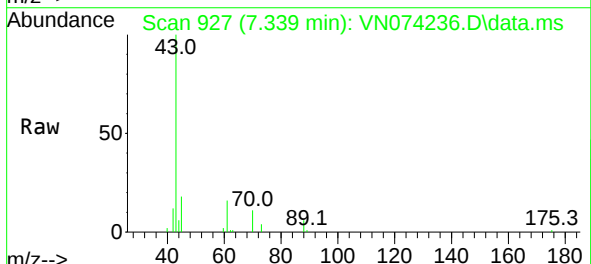
Instrument :
MSVOA_N
ClientSampleId :
WC-2RE

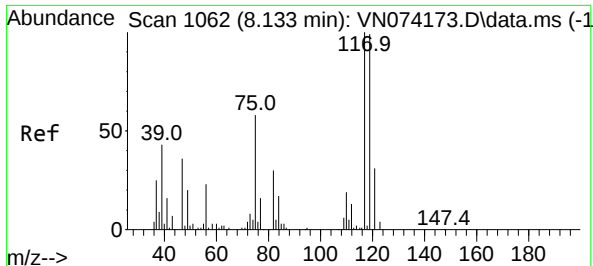
Tgt Ion: 75 Resp: 20041
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.542 ug/l
RT: 7.339 min Scan# 927
Delta R.T. 0.006 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

Tgt Ion: 43 Resp: 51475
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.6
70 8.2 9.3 13.9#

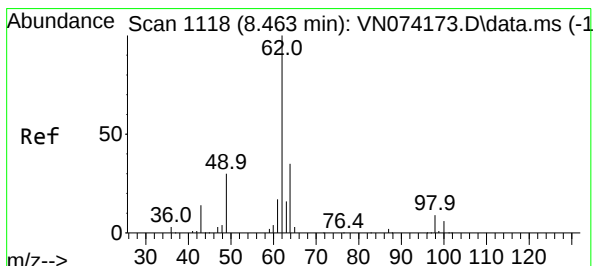
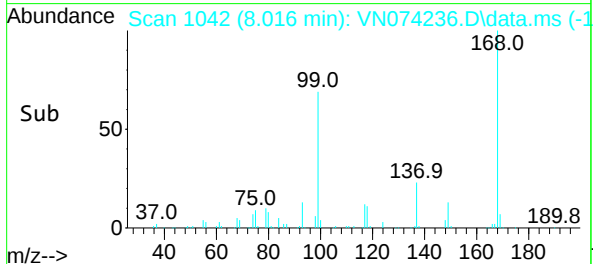
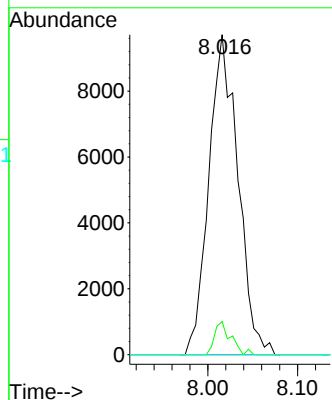
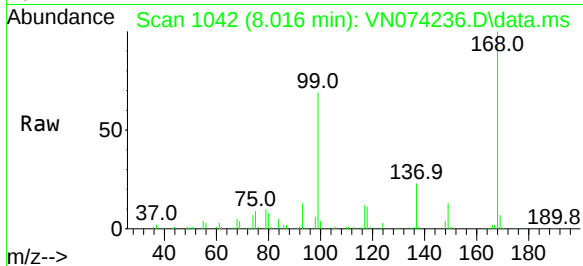




#38
Carbon Tetrachloride
Concen: 5.901 ug/l
RT: 8.016 min Scan# 1117
Delta R.T. -0.117 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

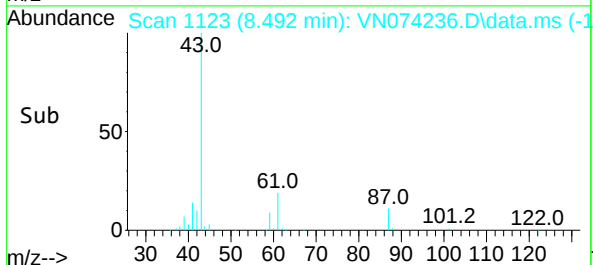
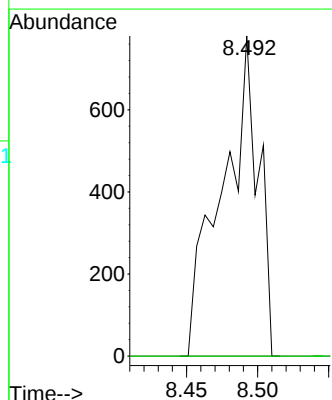
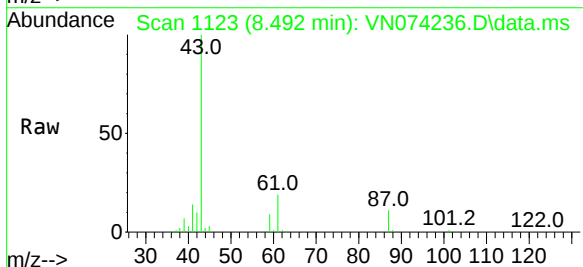
Instrument :
MSVOA_N
ClientSampleId :
WC-2RE

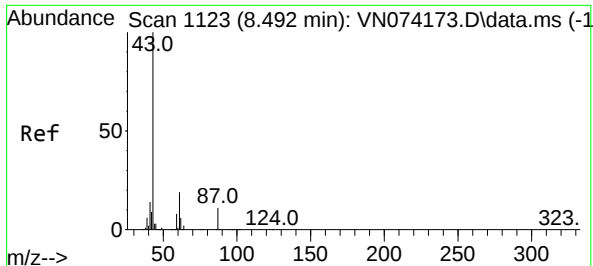
Tgt Ion:117 Resp: 21870
Ion Ratio Lower Upper
117 100
119 10.4 75.8 113.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.303 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.029 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

Tgt Ion: 62 Resp: 1380
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

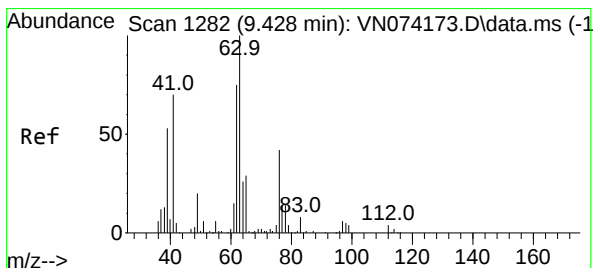
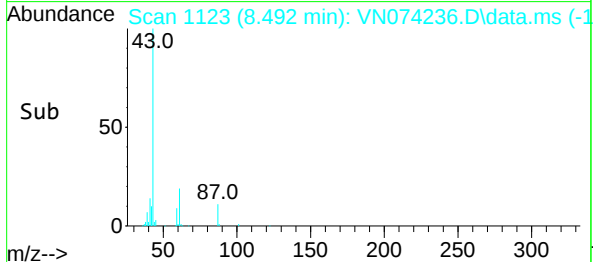
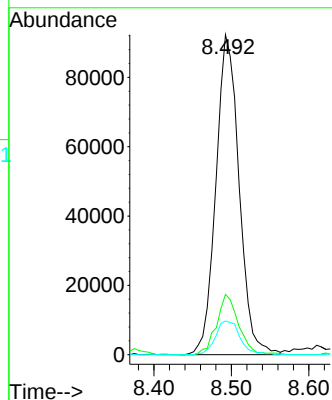
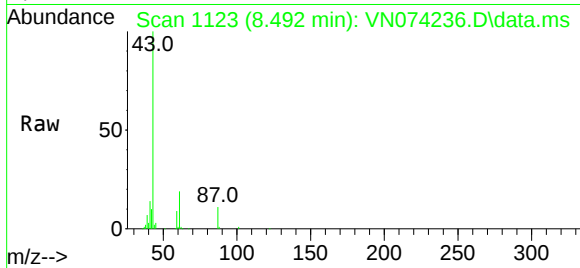




#43
Isopropyl Acetate
Concen: 20.930 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

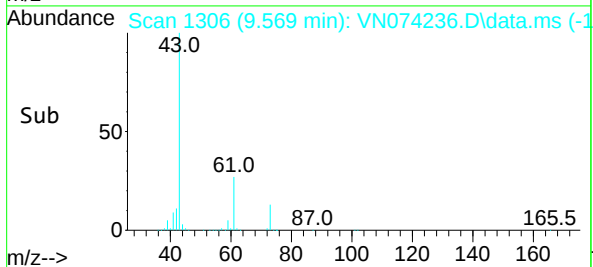
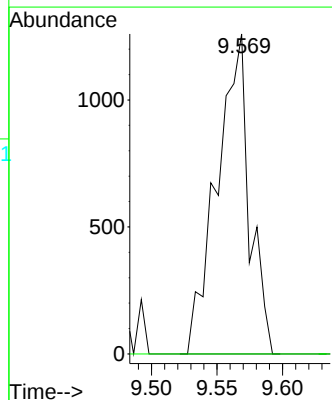
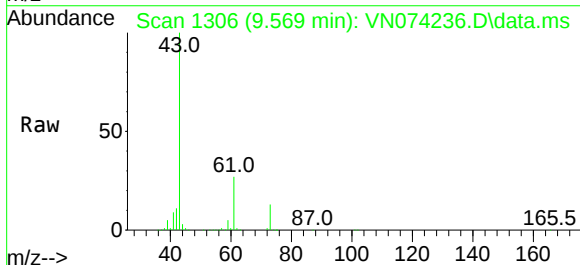
Instrument :
MSVOA_N
ClientSampleId :
WC-2RE

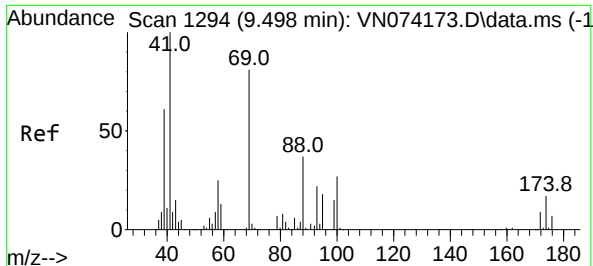
Tgt Ion: 43 Resp: 192042
Ion Ratio Lower Upper
43 100
61 18.0 21.9 32.9#
87 11.1 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.628 ug/l
RT: 9.569 min Scan# 1306
Delta R.T. 0.141 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

Tgt Ion: 63 Resp: 2173
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 1.620 ug/l

RT: 9.486 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN074236.D

Acq: 01 Sep 2022 12:38

Instrument :

MSVOA_N

ClientSampleId :

WC-2RE

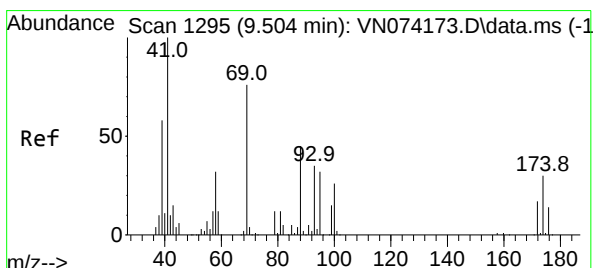
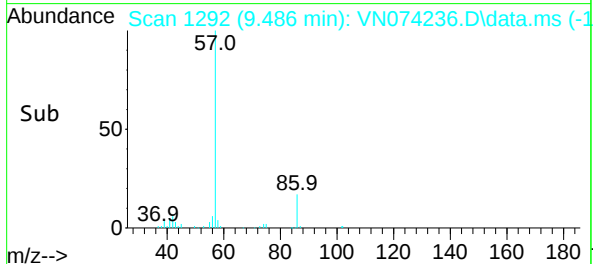
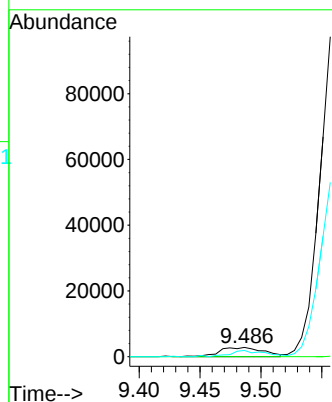
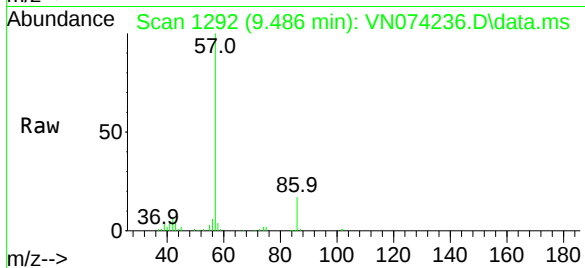
Tgt Ion: 41 Resp: 7062

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 54.2 45.6 68.4



#49

1,4-Dioxane

Concen: 0.989 ug/l

RT: 9.498 min Scan# 1294

Delta R.T. -0.006 min

Lab File: VN074236.D

Acq: 01 Sep 2022 12:38

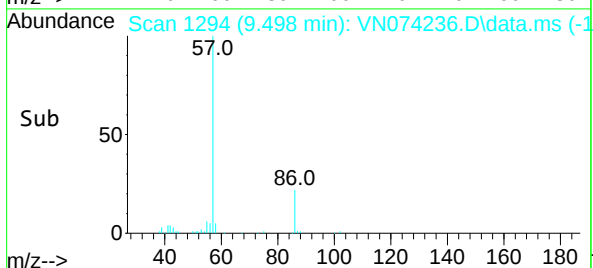
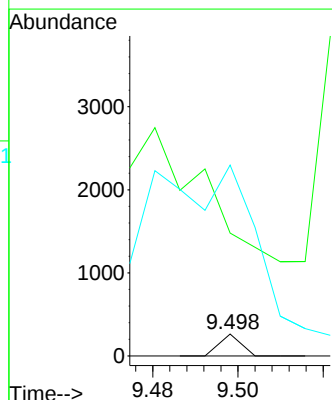
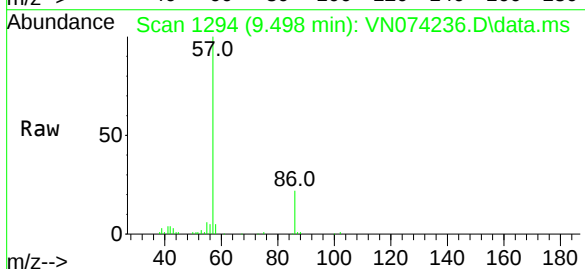
Tgt Ion: 88 Resp: 93

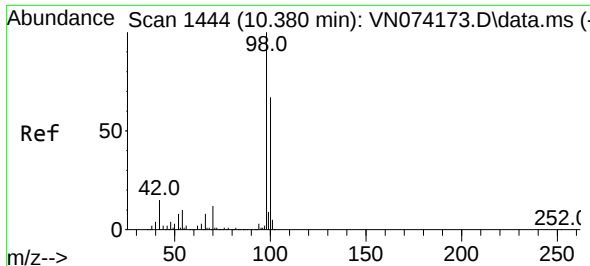
Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 5030.1 54.2 81.4#

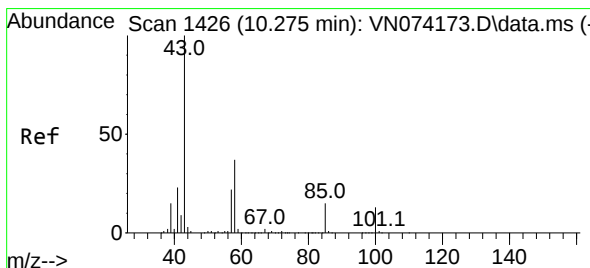
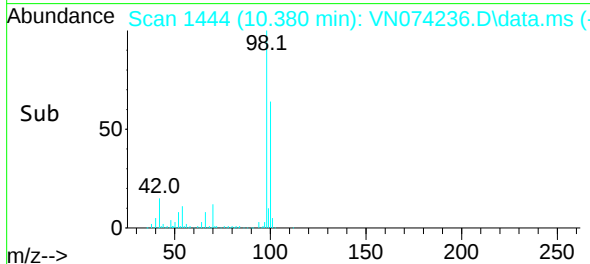
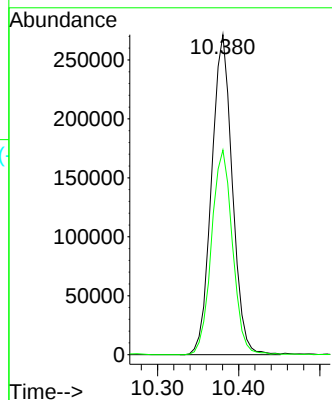
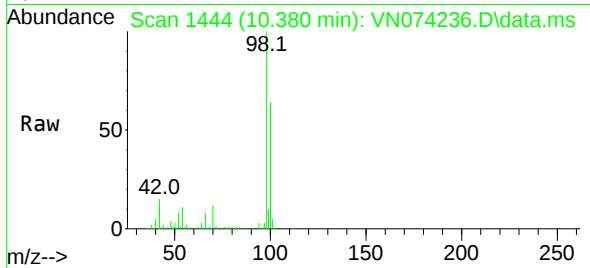




#50
Toluene-d8
Concen: 48.580 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

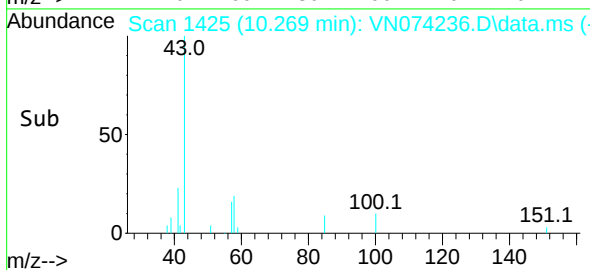
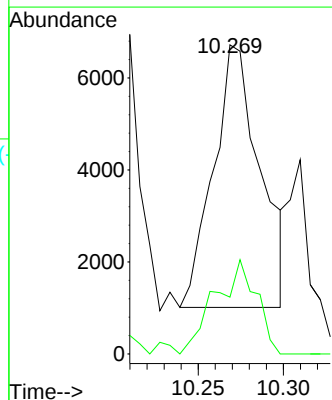
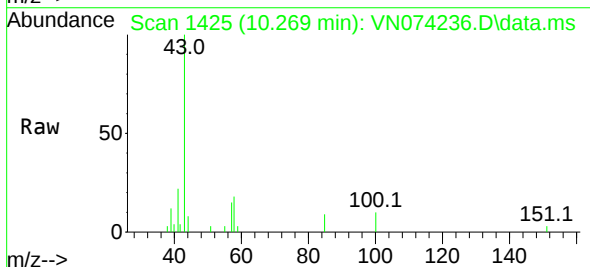
Instrument :
MSVOA_N
ClientSampleId :
WC-2RE

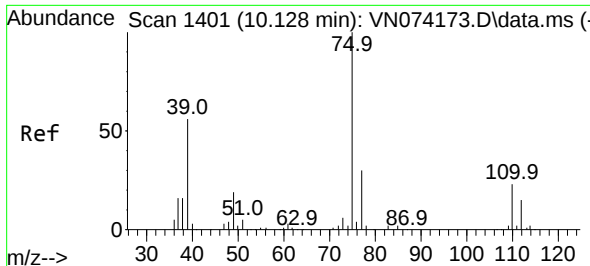
Tgt Ion: 98 Resp: 481221
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.632 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

Tgt Ion: 43 Resp: 10867
Ion Ratio Lower Upper
43 100
58 31.7 34.1 51.1#

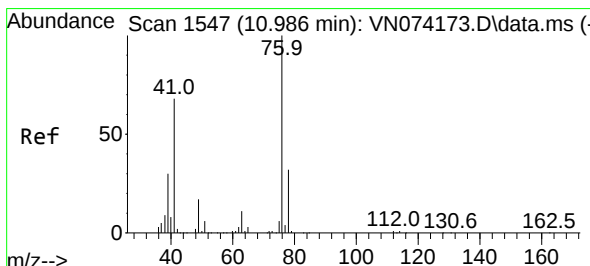
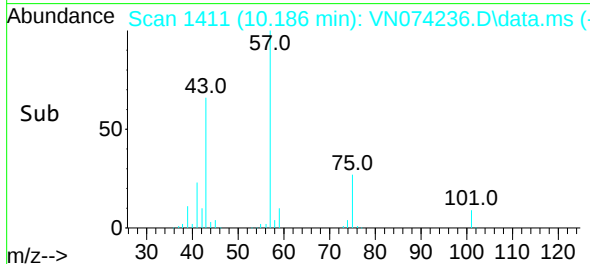
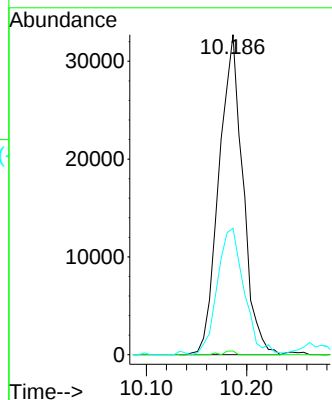
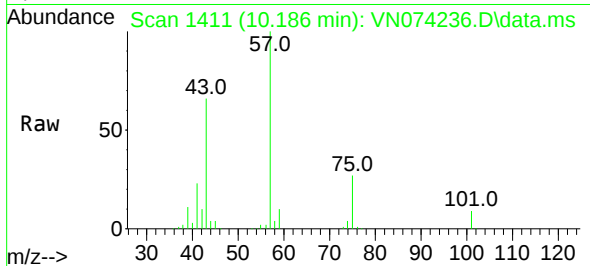




#54
 cis-1,3-Dichloropropene
 Concen: 11.273 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN074236.D
 Acq: 01 Sep 2022 12:38

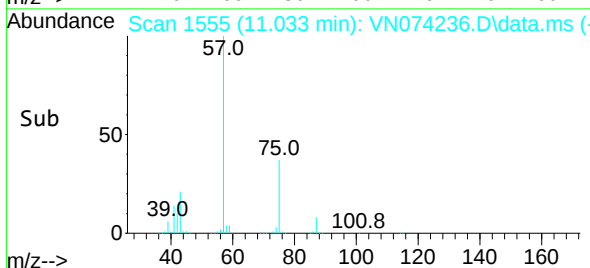
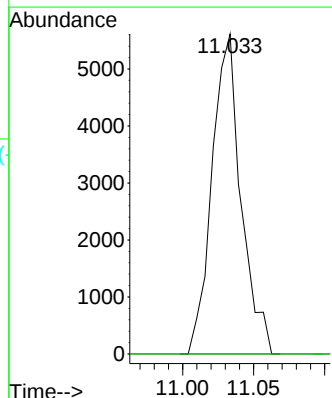
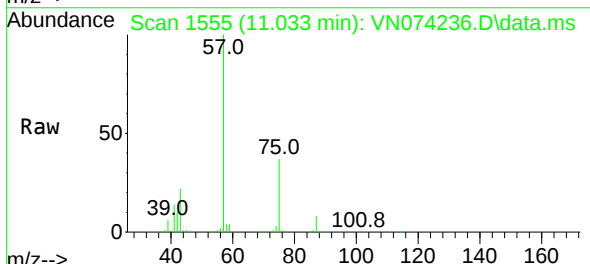
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2RE

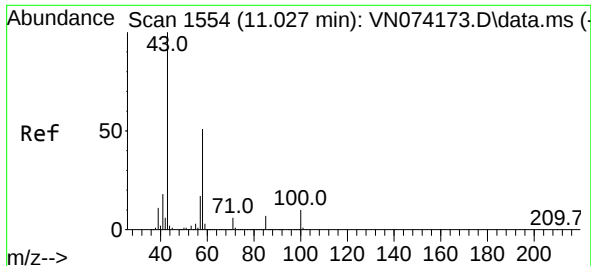
Tgt Ion: 75 Resp: 54186
 Ion Ratio Lower Upper
 75 100
 77 1.1 25.2 37.8#
 39 38.9 35.7 53.5



#57
 1,3-Dichloropropane
 Concen: 1.404 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN074236.D
 Acq: 01 Sep 2022 12:38

Tgt Ion: 76 Resp: 7970
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

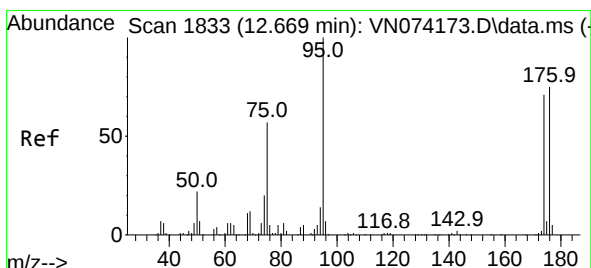
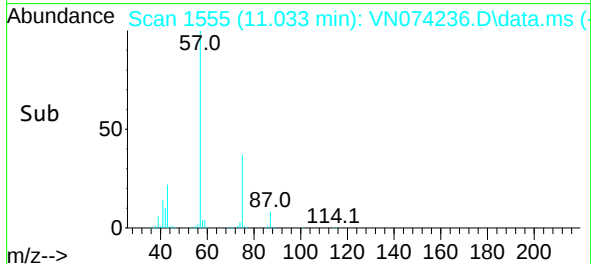
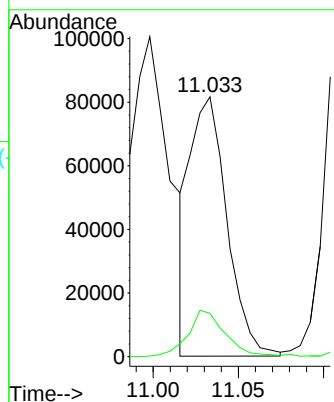
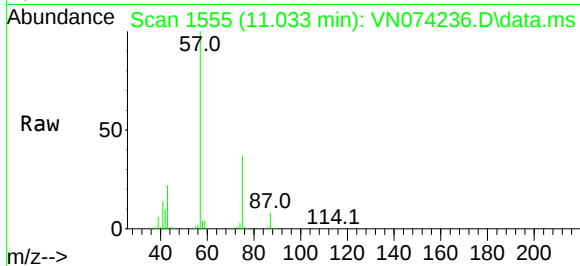




#59
2-Hexanone
Concen: 24.324 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

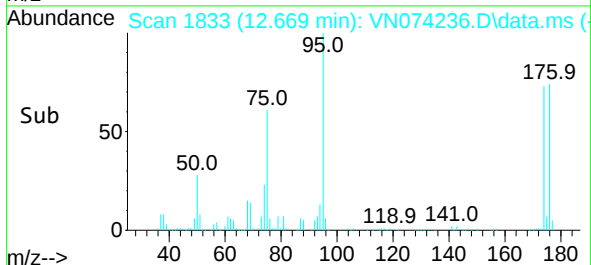
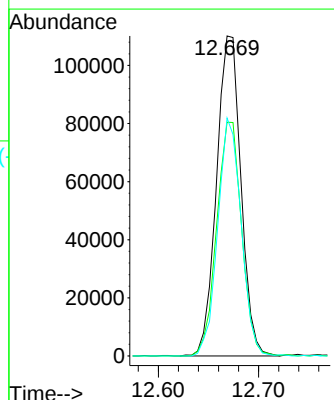
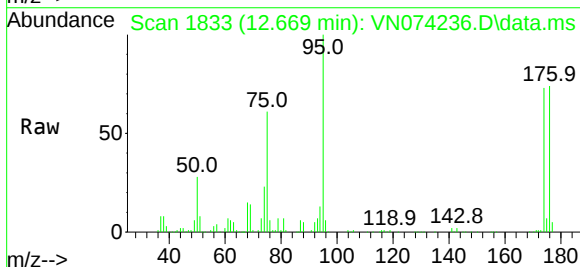
Instrument :
MSVOA_N
ClientSampleId :
WC-2RE

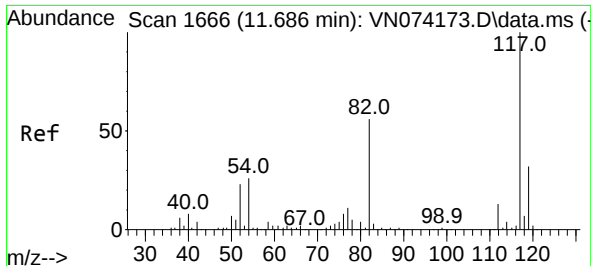
Tgt Ion: 43 Resp: 122923
Ion Ratio Lower Upper
43 100
58 18.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 61.850 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

Tgt Ion: 95 Resp: 186315
Ion Ratio Lower Upper
95 100
174 74.4 0.0 167.6
176 71.0 0.0 163.4

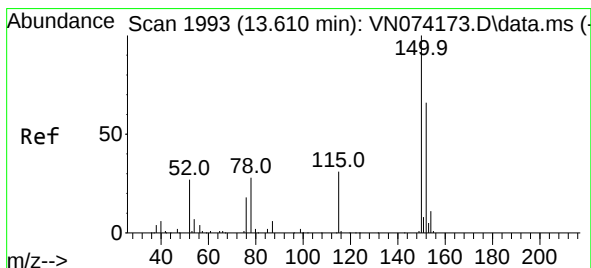
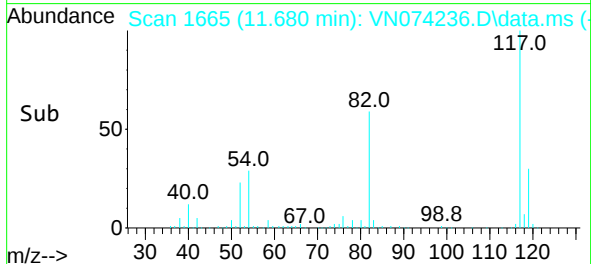
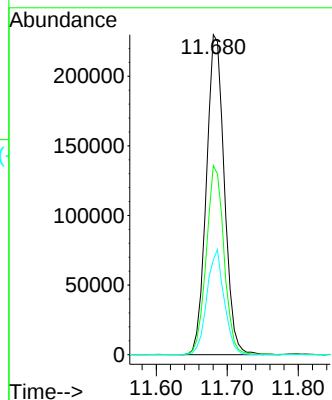
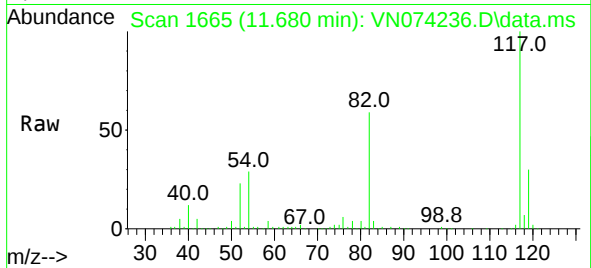




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

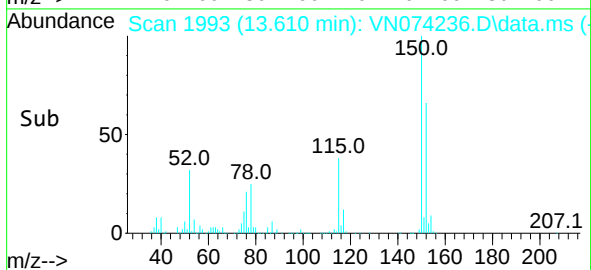
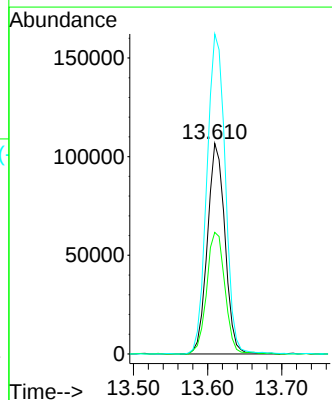
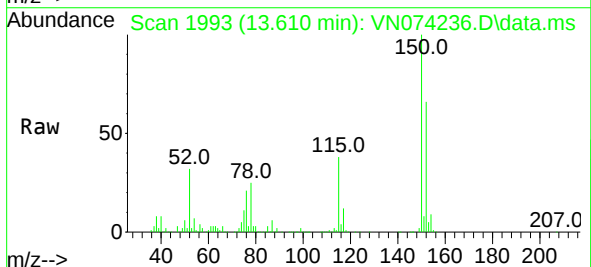
Instrument :
MSVOA_N
ClientSampleId :
WC-2RE

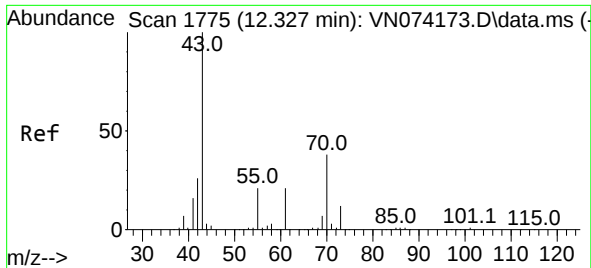
Tgt Ion:117 Resp: 403600
Ion Ratio Lower Upper
117 100
82 59.0 44.2 66.2
119 29.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

Tgt Ion:152 Resp: 175620
Ion Ratio Lower Upper
152 100
115 60.2 28.9 86.7
150 158.9 0.0 356.2

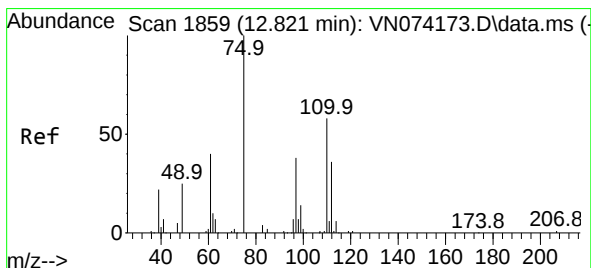
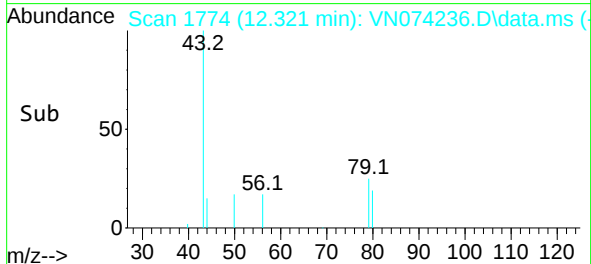
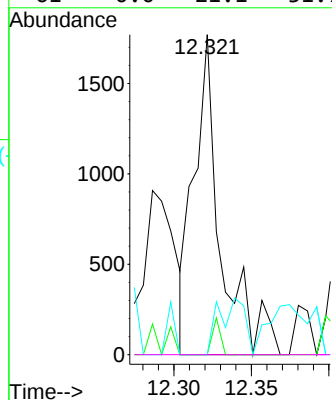
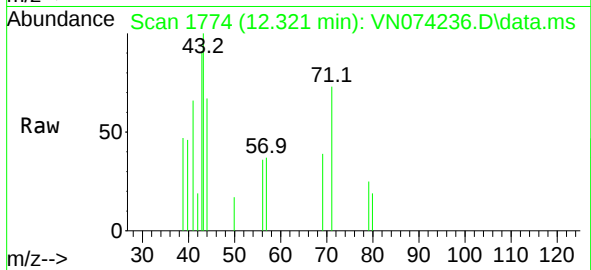




#74
N-amy1 acetate
Concen: 0.249 ug/l
RT: 12.321 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

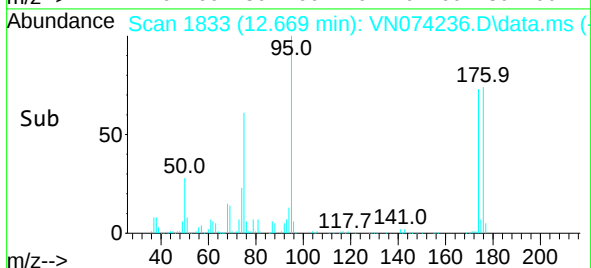
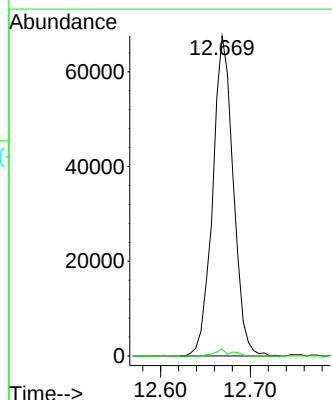
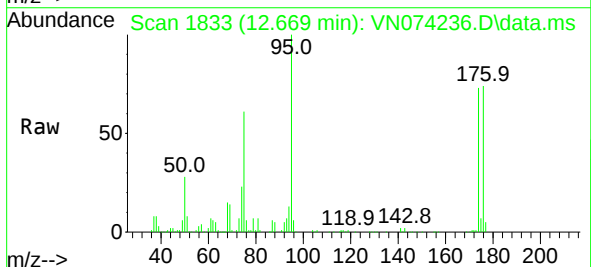
Instrument :
MSVOA_N
ClientSampleId :
WC-2RE

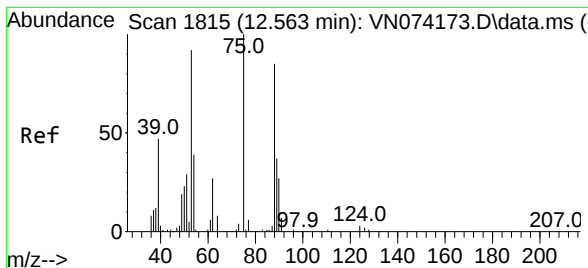
Tgt Ion: 43 Resp: 2117
Ion Ratio Lower Upper
43 100
70 3.4 39.0 58.4#
55 17.1 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 24.650 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

Tgt Ion: 75 Resp: 107706
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#

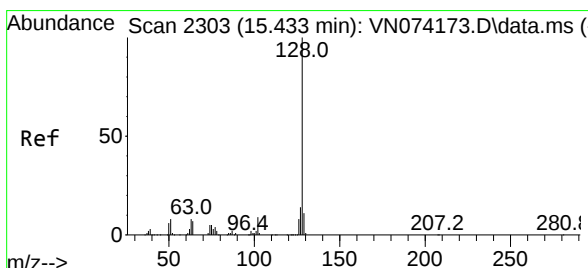
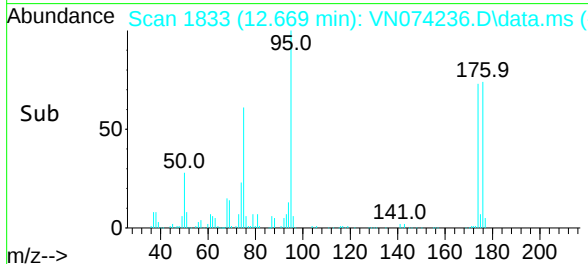
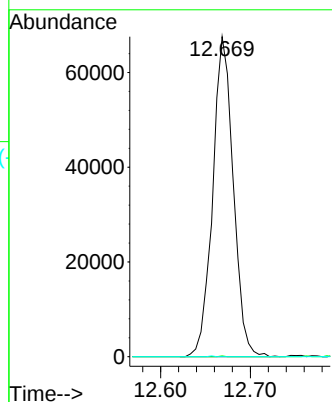
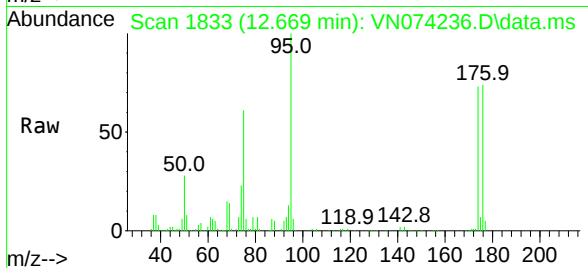




#81
trans-1,4-Dichloro-2-butene
Concen: 63.658 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

Instrument :
MSVOA_N
ClientSampleId :
WC-2RE

Tgt Ion: 75 Resp: 107706
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 1.415 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN074236.D
Acq: 01 Sep 2022 12:38

Tgt Ion: 128 Resp: 3598
Ion Ratio Lower Upper
128 100
127 8.2 10.3 15.5#
129 9.8 8.6 13.0

