

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074198.D
 Acq On : 31 Aug 2022 05:03
 Operator : JC\MD
 Sample : N4421-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-PALM-SP-03

Quant Time: Aug 31 07:08:19 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)

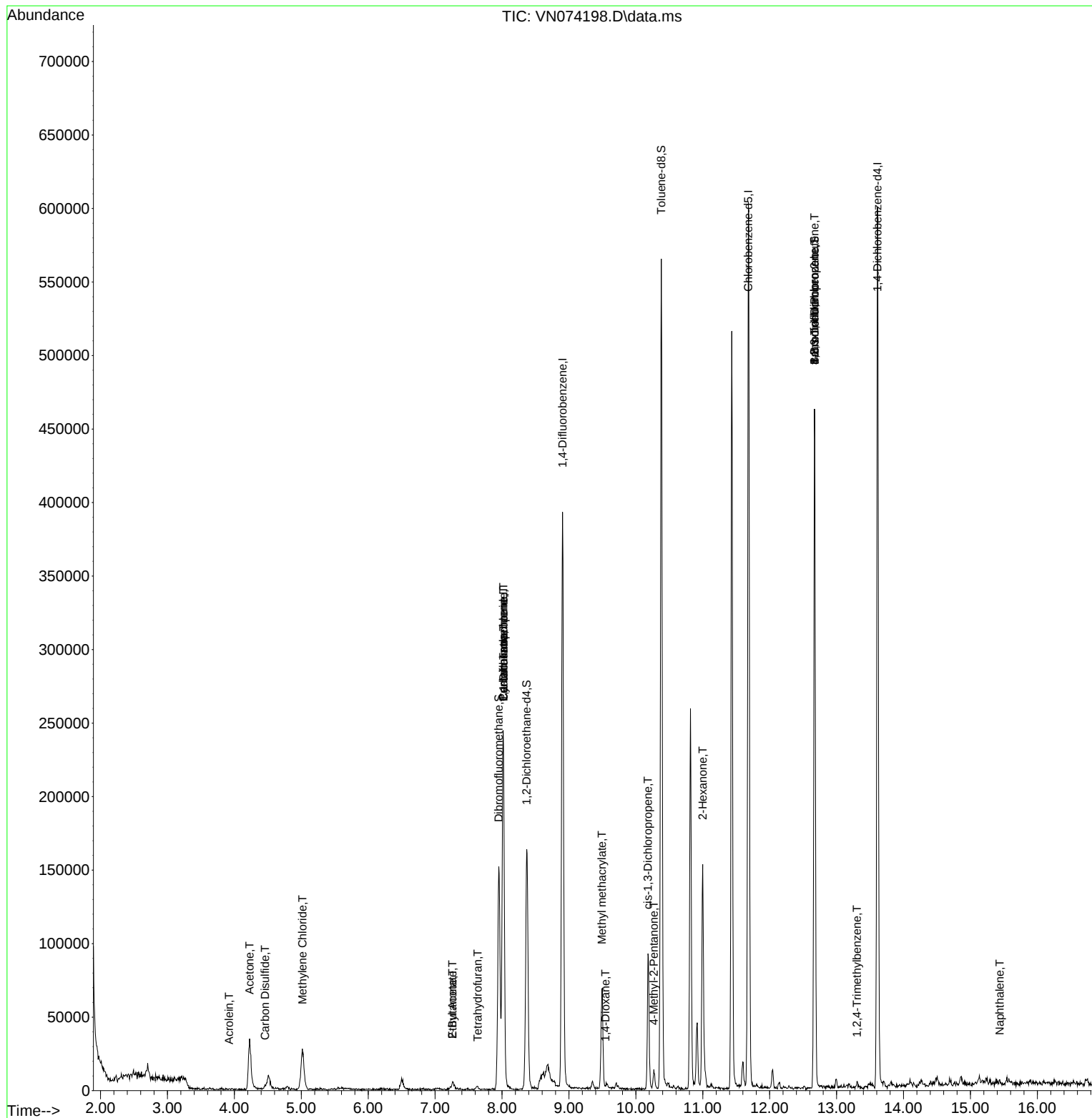
Internal Standards						
1) Pentafluorobenzene	8.022	168	175188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	319627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	318864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	143163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	127427	46.890	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.780%		
35) Dibromofluoromethane	7.951	113	107501	51.686	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.380%		
50) Toluene-d8	10.381	98	360556	44.020	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.040%		
62) 4-Bromofluorobenzene	12.669	95	142019	57.016	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.040%		
Target Compounds						
					Qvalue	
6) Chloroethane	2.946	64	76	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	311	Below Cal	#	72
13) Acrolein	3.922	56	183	0.305	ug/l #	16
16) Acetone	4.228	43	61897	34.086	ug/l #	83
17) Carbon Disulfide	4.457	76	3922	0.671	ug/l #	75
18) Methyl Acetate	4.787	43	3525	Below Cal	#	80
20) Methylene Chloride	5.016	84	18718	5.732	ug/l #	75
25) 2-Butanone	7.257	43	8730	3.005	ug/l #	66
28) Bromochloromethane	7.740	49	74	Below Cal	#	8
29) Tetrahydrofuran	7.634	42	1860	1.005	ug/l #	39
31) Cyclohexane	8.022	56	5477	1.220	ug/l #	60
36) 1,1-Dichloropropene	8.022	75	17186	5.093	ug/l #	47
37) Ethyl Acetate	7.257	43	8730	1.547	ug/l #	67
38) Carbon Tetrachloride	8.022	117	17864	5.830	ug/l #	22
48) Methyl methacrylate	9.492	41	4207	1.167	ug/l #	24
49) 1,4-Dioxane	9.545	88	93	1.196	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	9819	1.783	ug/l #	85
54) cis-1,3-Dichloropropene	10.181	75	14780	3.719	ug/l #	72
59) 2-Hexanone	10.998	43	124883	29.886	ug/l #	21
71) Bromoform	12.669	173	1338	0.619	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	82343	22.981	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	82343	59.701	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.304	105	2327	0.242	ug/l	82
95) Naphthalene	15.439	128	1862	1.319	ug/l #	82

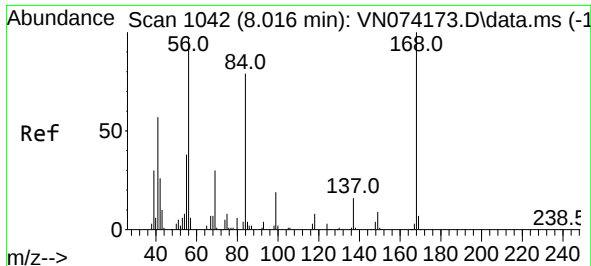
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
Data File : VN074198.D
Acq On : 31 Aug 2022 05:03
Operator : JC\MD
Sample : N4421-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-03

Quant Time: Aug 31 07:08:19 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

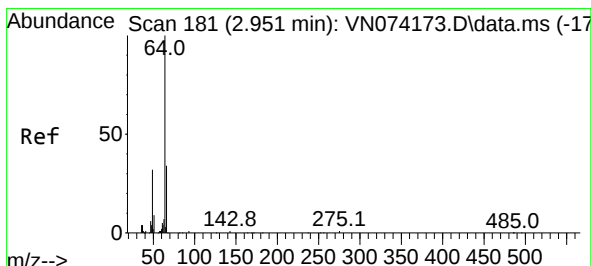
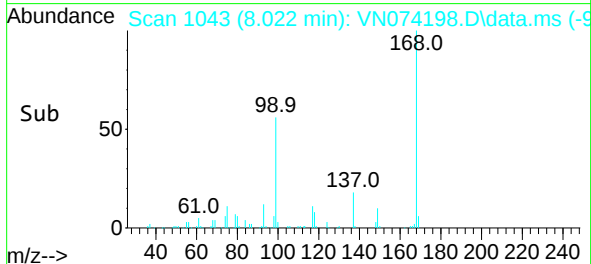
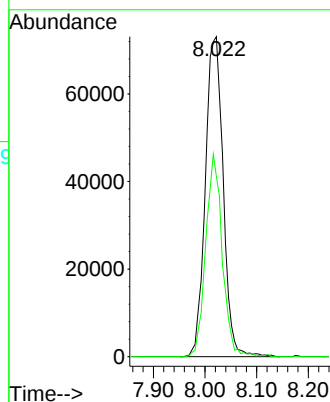
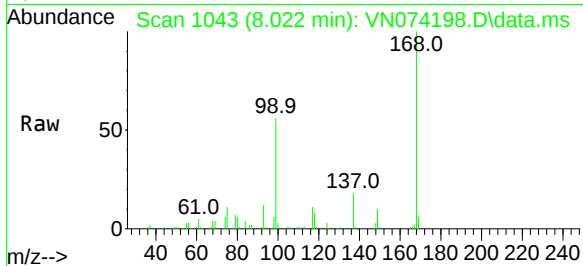




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

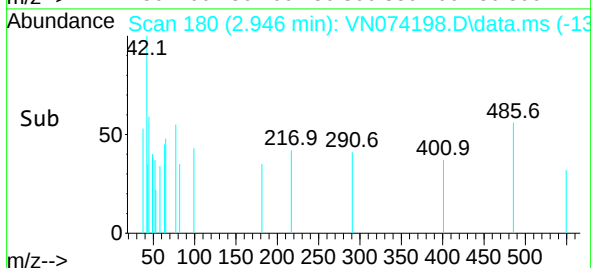
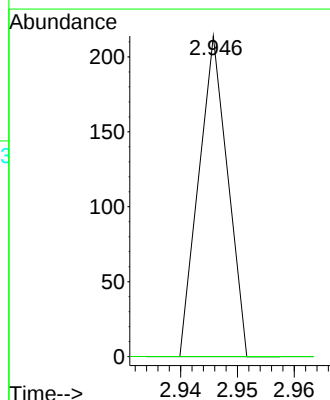
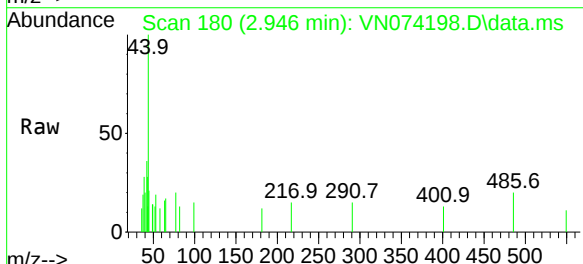
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-03

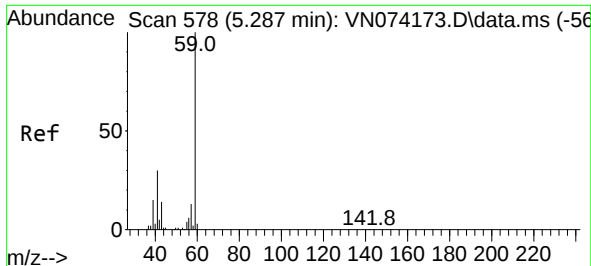
Tgt Ion:168 Resp: 175188
Ion Ratio Lower Upper
168 100
99 56.4 42.3 63.5



#6
Chloroethane
Concen: Below Cal
RT: 2.946 min Scan# 180
Delta R.T. -0.005 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

Tgt Ion: 64 Resp: 76
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

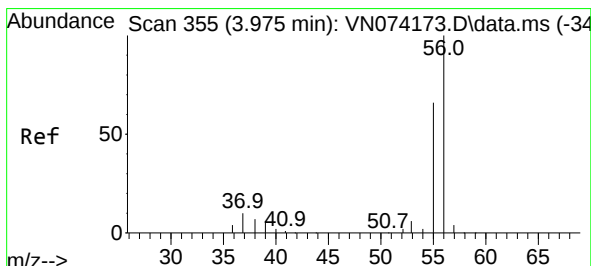
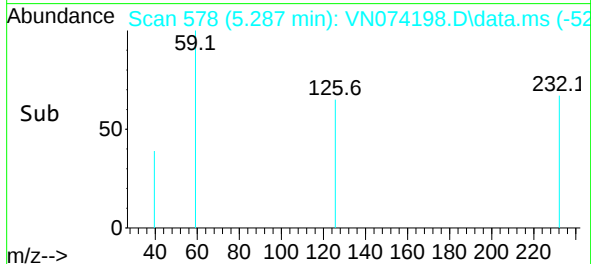
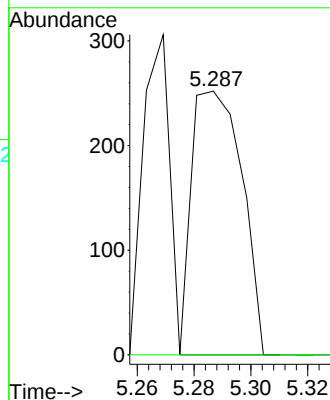
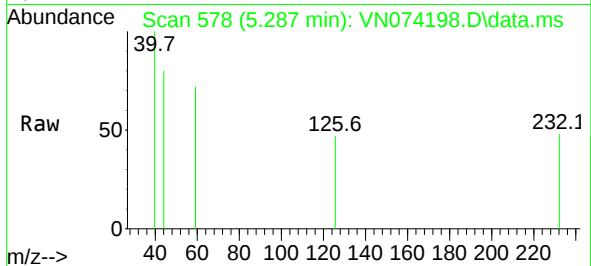




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.287 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

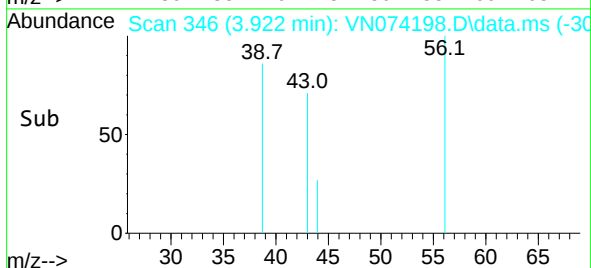
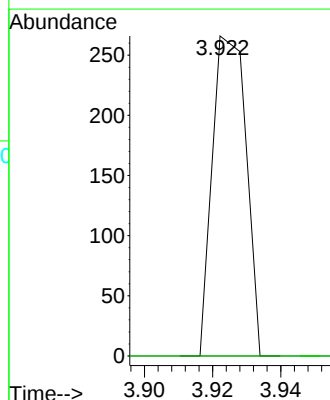
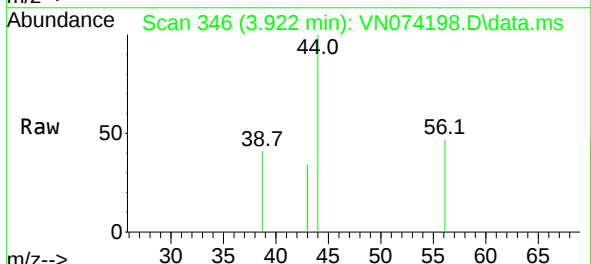
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-03

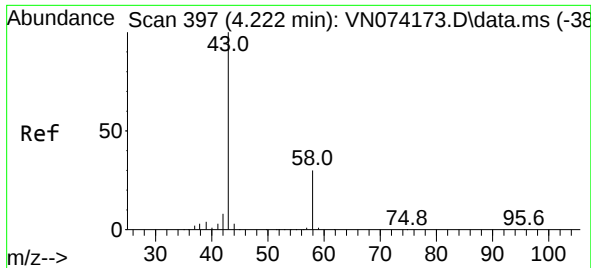
Tgt Ion: 59 Resp: 311
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.305 ug/l
RT: 3.922 min Scan# 346
Delta R.T. -0.053 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#





#16

Acetone

Concen: 34.086 ug/l

RT: 4.228 min Scan# 397

Delta R.T. 0.006 min

Lab File: VN074198.D

Acq: 31 Aug 2022 05:03

Instrument :

MSVOA_N

ClientSampleId :

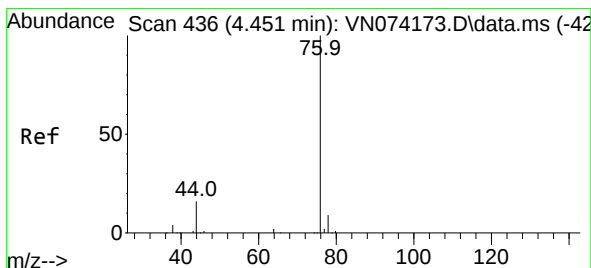
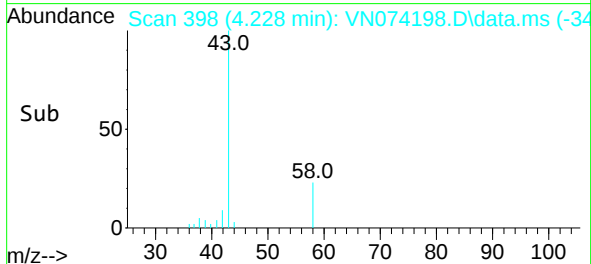
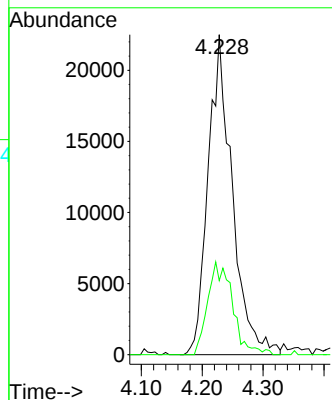
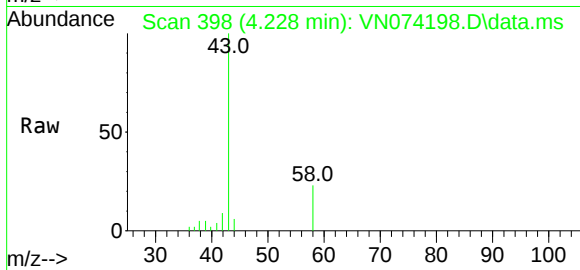
WC-PALM-SP-03

Tgt Ion: 43 Resp: 61897

Ion Ratio Lower Upper

43 100

58 23.2 26.0 39.0#



#17

Carbon Disulfide

Concen: 0.671 ug/l

RT: 4.457 min Scan# 437

Delta R.T. 0.006 min

Lab File: VN074198.D

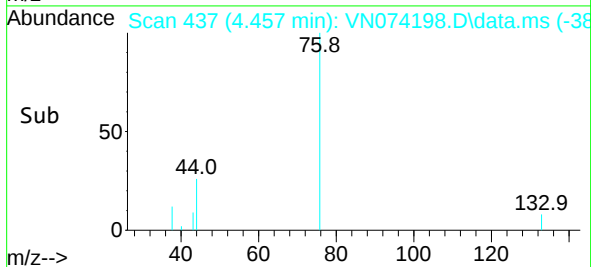
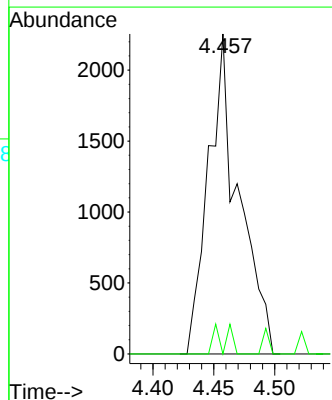
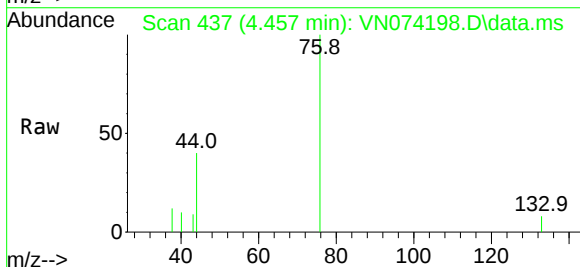
Acq: 31 Aug 2022 05:03

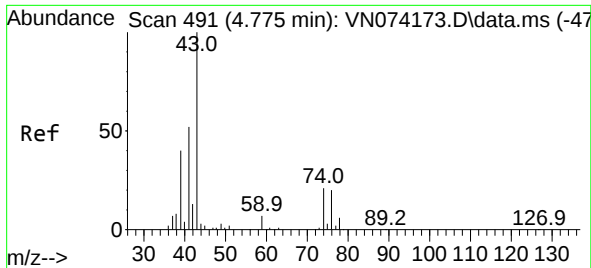
Tgt Ion: 76 Resp: 3922

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

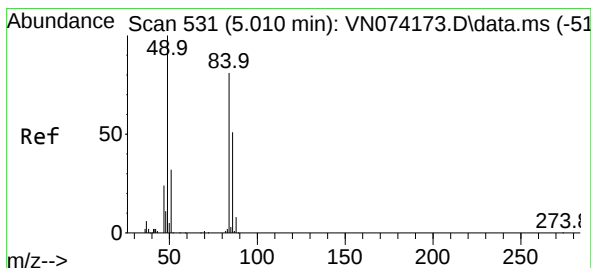
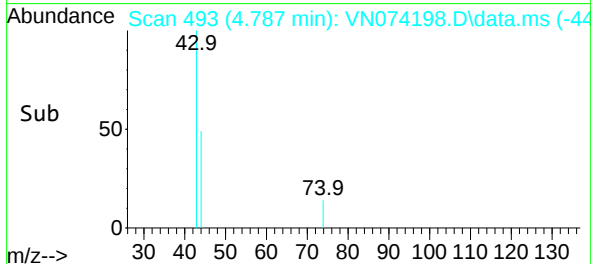
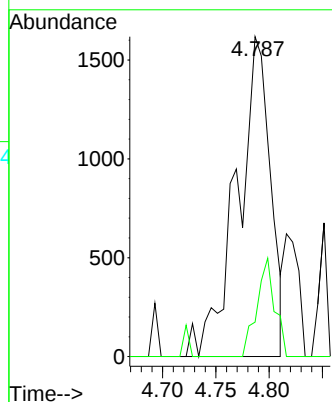
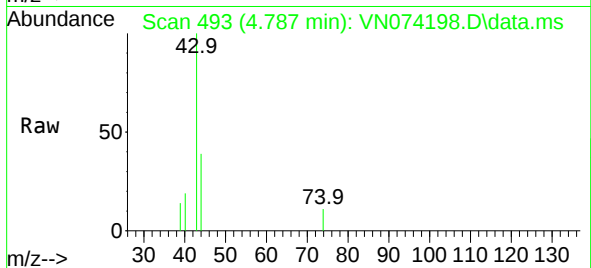




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

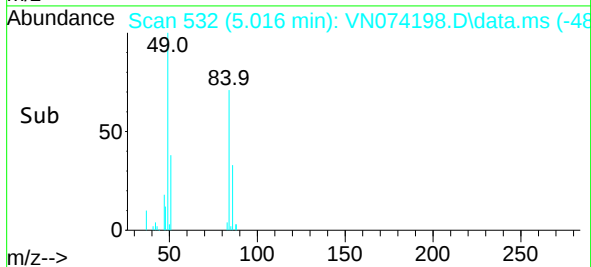
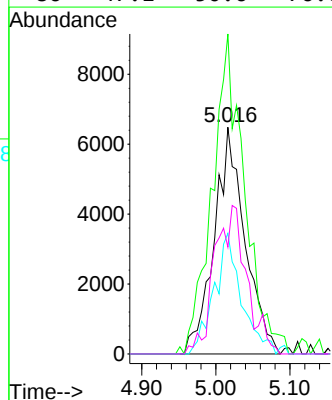
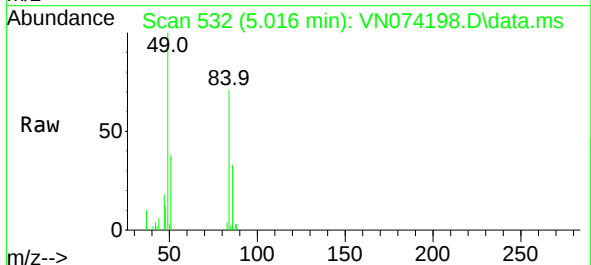
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-03

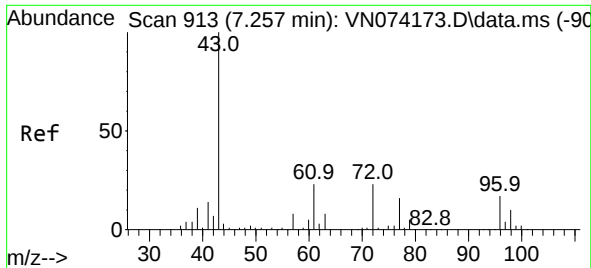
Tgt Ion: 43 Resp: 3525
Ion Ratio Lower Upper
43 100
74 16.5 21.6 32.4#



#20
Methylene Chloride
Concen: 5.732 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

Tgt Ion: 84 Resp: 18718
Ion Ratio Lower Upper
84 100
49 138.0 88.3 132.5#
51 53.2 28.2 42.2#
86 47.1 50.6 76.0#

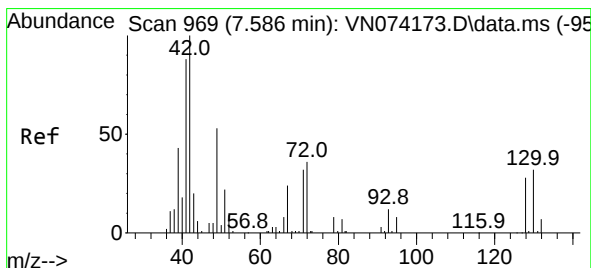
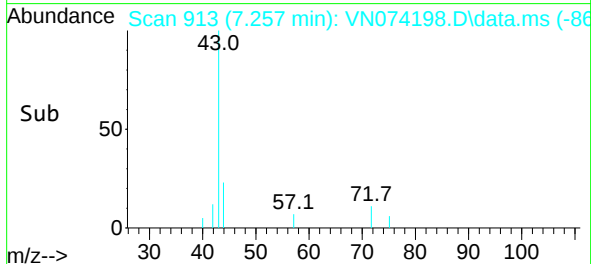
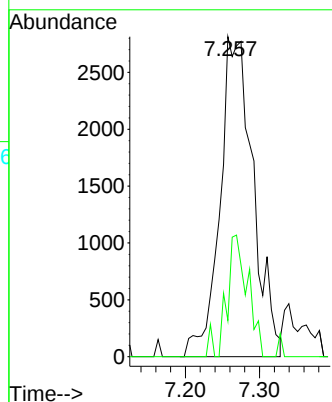
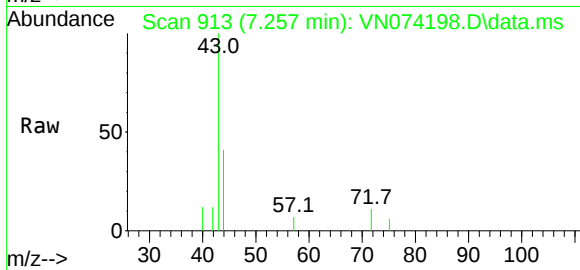




#25
2-Butanone
Concen: 3.005 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

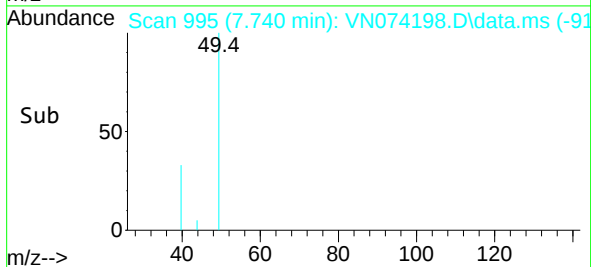
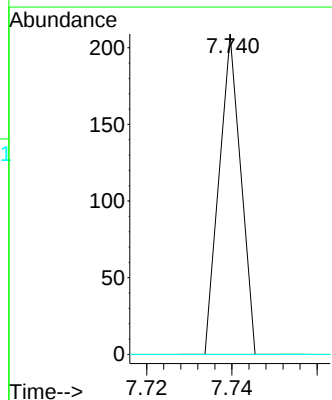
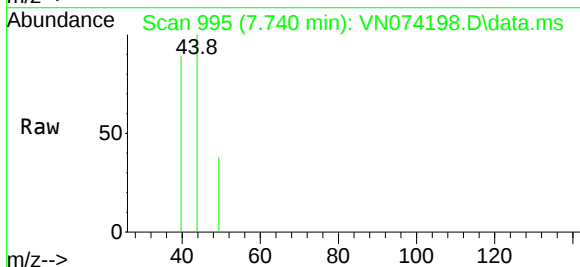
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-03

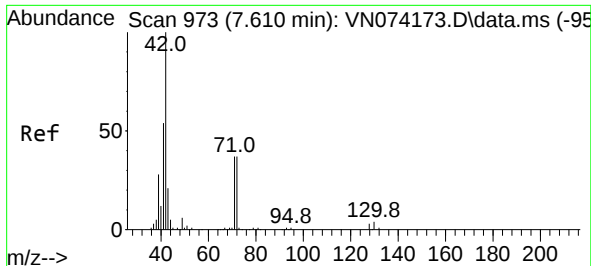
Tgt Ion: 43 Resp: 8730
Ion Ratio Lower Upper
43 100
72 11.3 23.7 35.5#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.740 min Scan# 995
Delta R.T. 0.154 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

Tgt Ion: 49 Resp: 74
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#





#29

Tetrahydrofuran

Concen: 1.005 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN074198.D

Acq: 31 Aug 2022 05:03

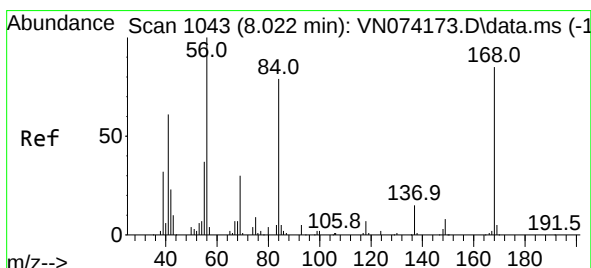
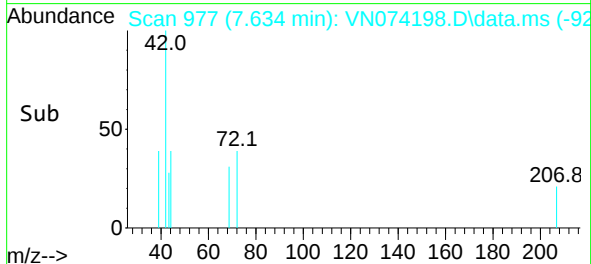
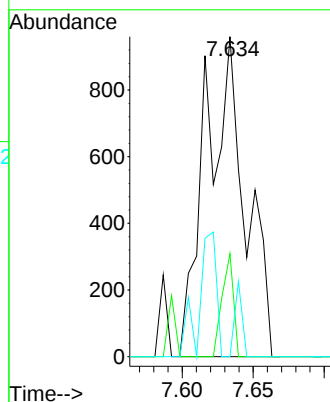
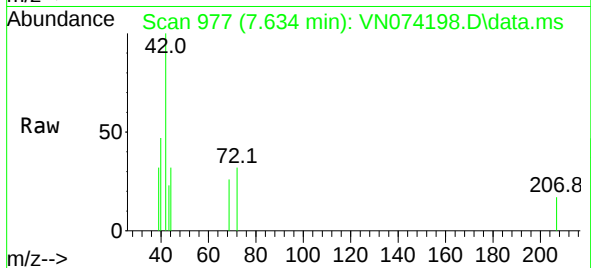
Instrument :

MSVOA_N

ClientSampleId :

WC-PALM-SP-03

Tgt Ion:	42	Resp:	1860
Ion	Ratio	Lower	Upper
42	100		
72	9.1	39.7	59.5#
71	4.3	36.6	55.0#



#31

Cyclohexane

Concen: 1.220 ug/l

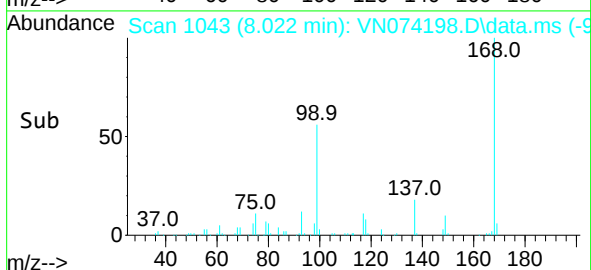
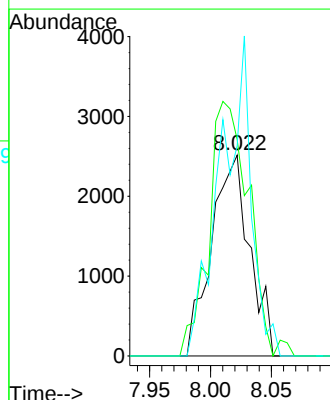
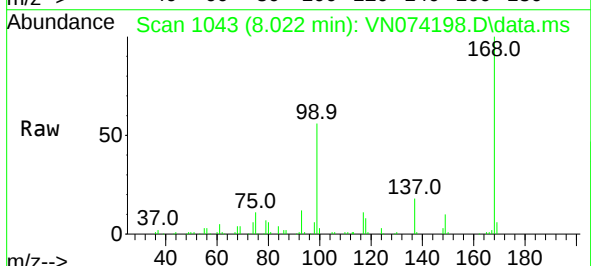
RT: 8.022 min Scan# 1043

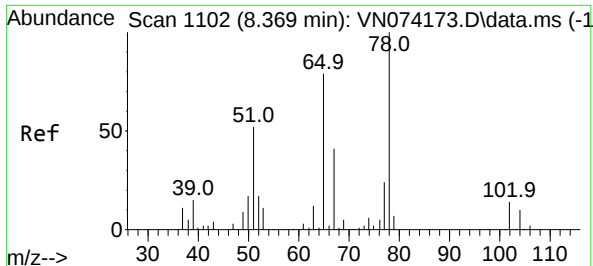
Delta R.T. 0.000 min

Lab File: VN074198.D

Acq: 31 Aug 2022 05:03

Tgt Ion:	56	Resp:	5477
Ion	Ratio	Lower	Upper
56	100		
69	107.8	27.8	41.8#
84	104.7	76.9	115.3





#33

1,2-Dichloroethane-d4

Concen: 46.890 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074198.D

Acq: 31 Aug 2022 05:03

Instrument :

MSVOA_N

ClientSampleId :

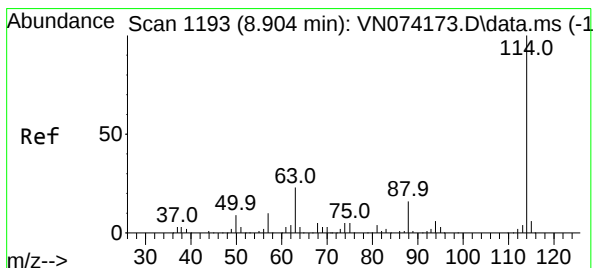
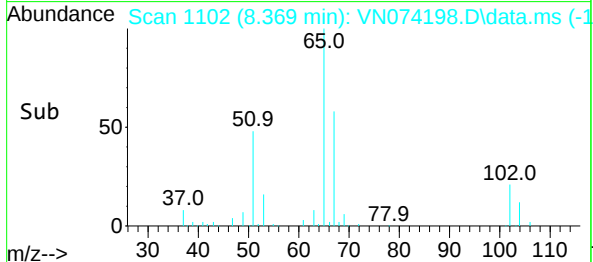
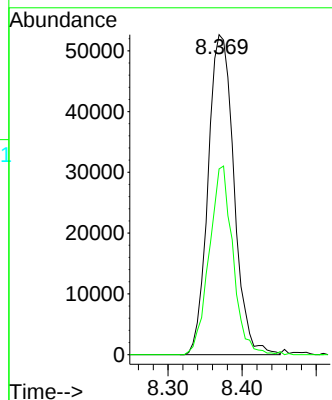
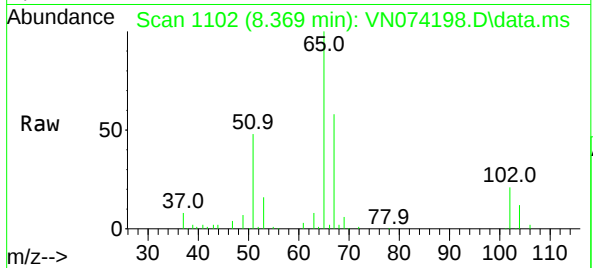
WC-PALM-SP-03

Tgt Ion: 65 Resp: 127427

Ion Ratio Lower Upper

65 100

67 54.1 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: VN074198.D

Acq: 31 Aug 2022 05:03

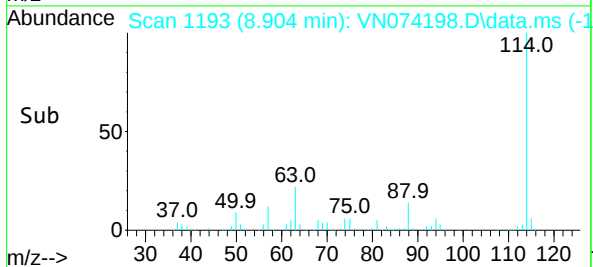
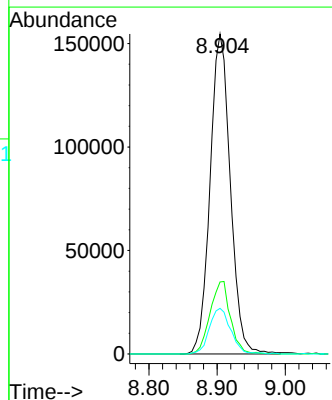
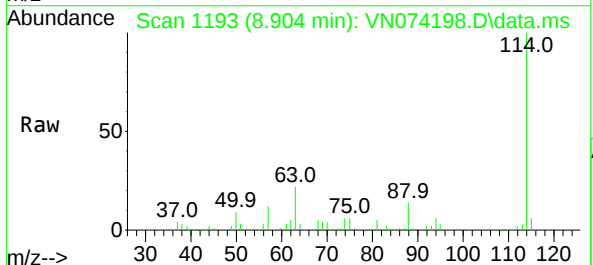
Tgt Ion: 114 Resp: 319627

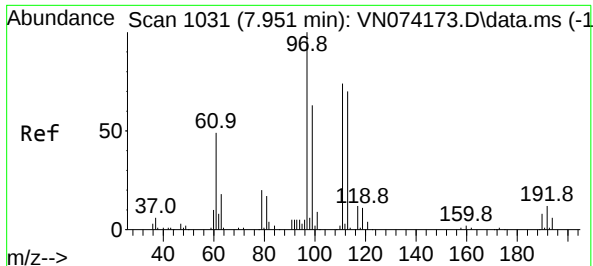
Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.0

88 14.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.686 ug/l

RT: 7.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074198.D

Acq: 31 Aug 2022 05:03

Instrument :

MSVOA_N

ClientSampleId :

WC-PALM-SP-03

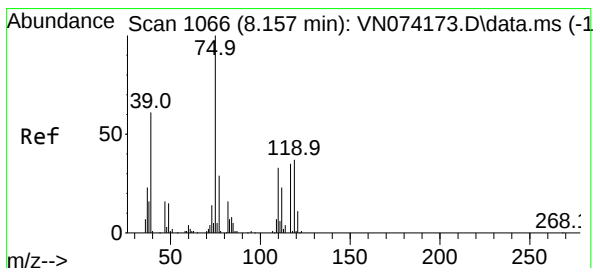
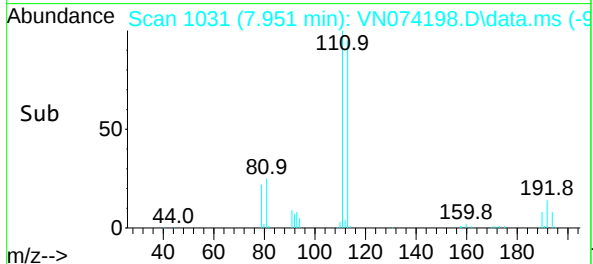
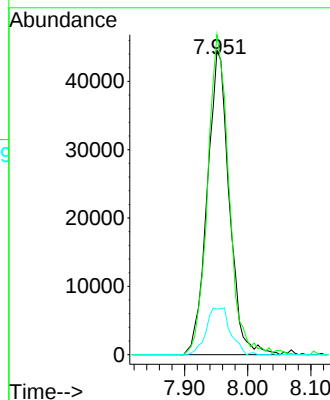
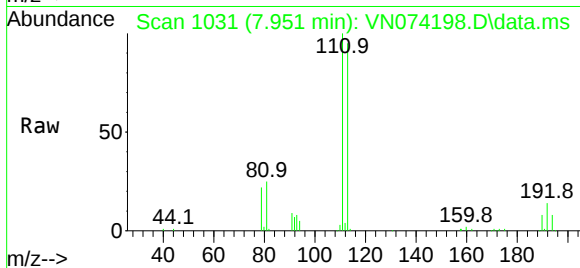
Tgt Ion:113 Resp: 107501

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 16.9 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 5.093 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.135 min

Lab File: VN074198.D

Acq: 31 Aug 2022 05:03

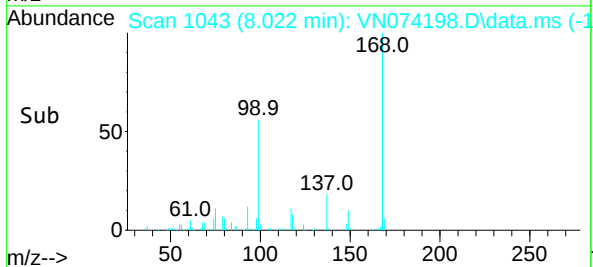
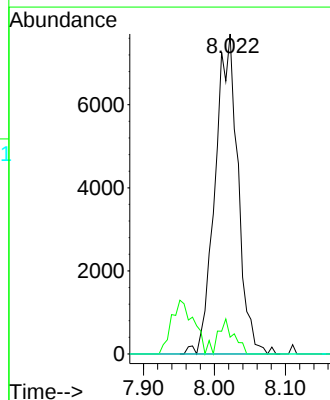
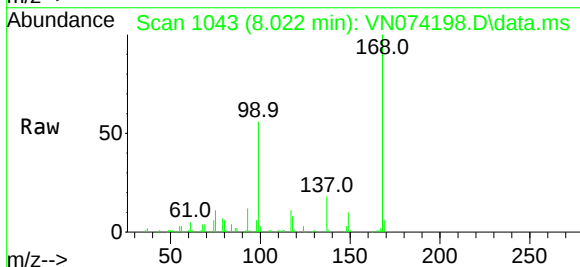
Tgt Ion: 75 Resp: 17186

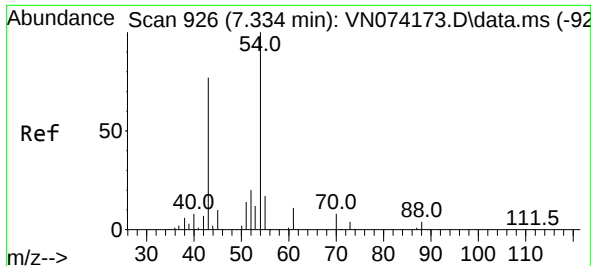
Ion Ratio Lower Upper

75 100

110 6.9 18.3 54.8#

77 0.0 25.1 37.7#

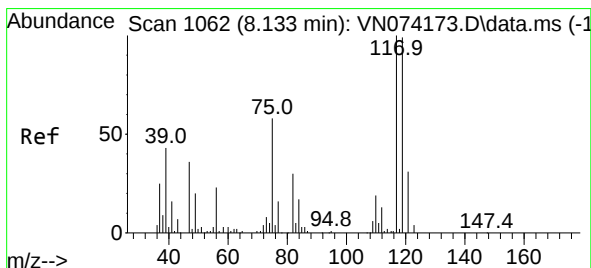
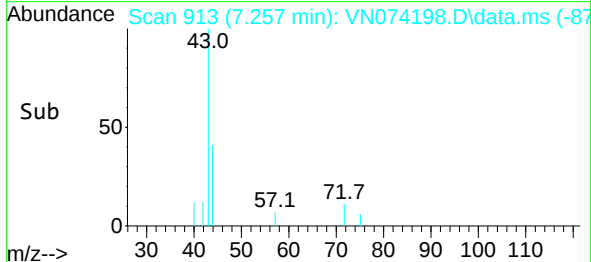
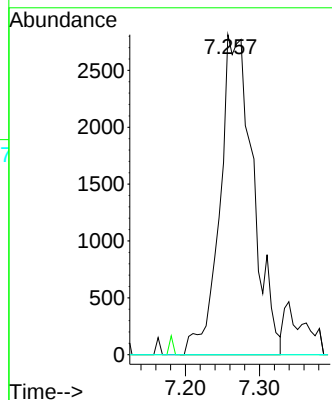
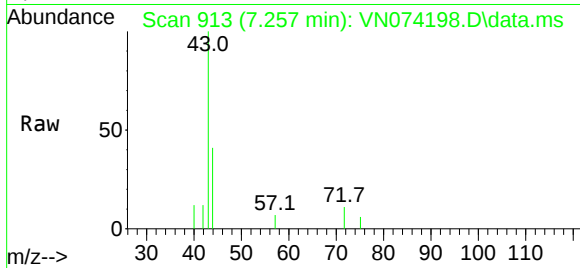




#37
Ethyl Acetate
Concen: 1.547 ug/l
RT: 7.257 min Scan# 913
Delta R.T. -0.076 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

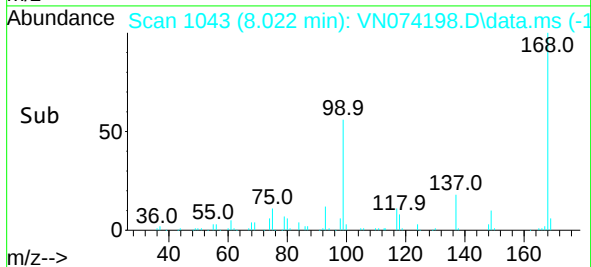
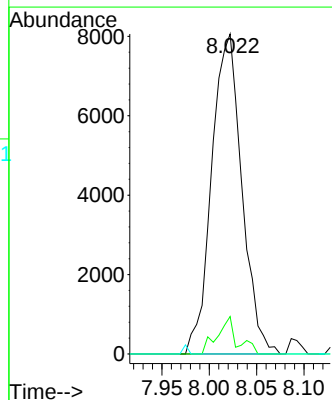
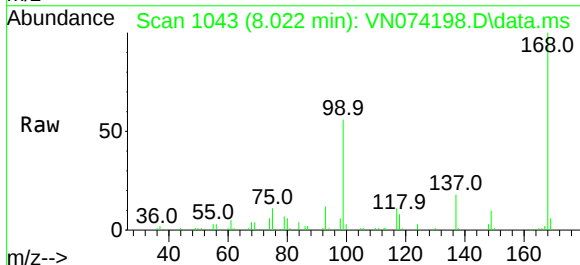
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-03

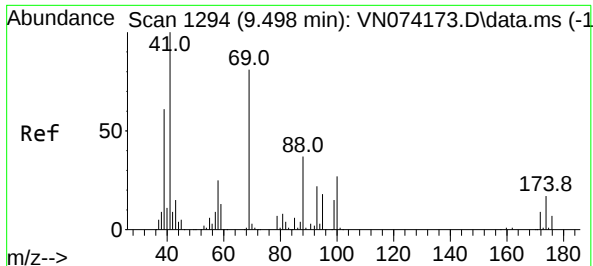
Tgt Ion: 43 Resp: 8730
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.830 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

Tgt Ion: 117 Resp: 17864
Ion Ratio Lower Upper
117 100
119 11.7 75.8 113.8#
121 0.0 24.6 37.0#

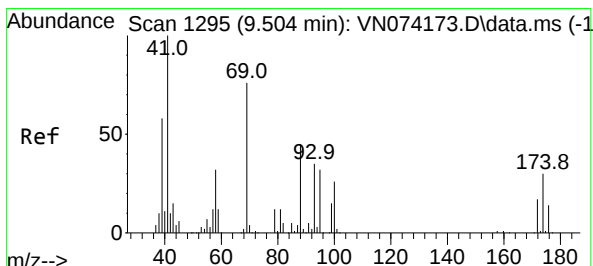
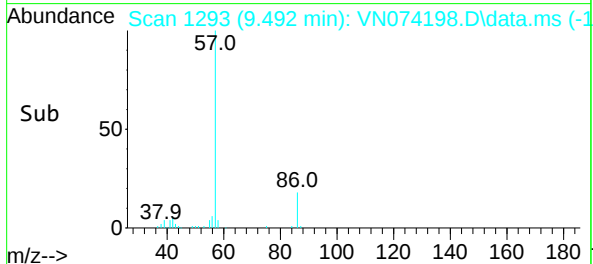
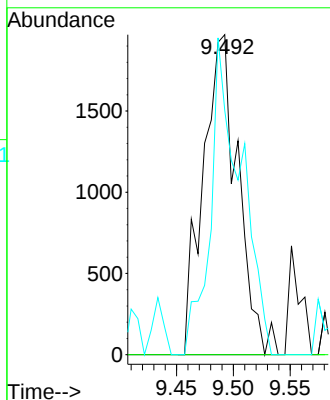
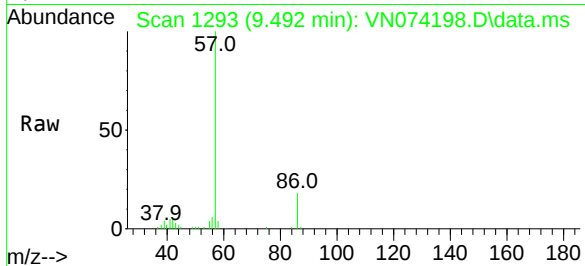




#48
Methyl methacrylate
Concen: 1.167 ug/l
RT: 9.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

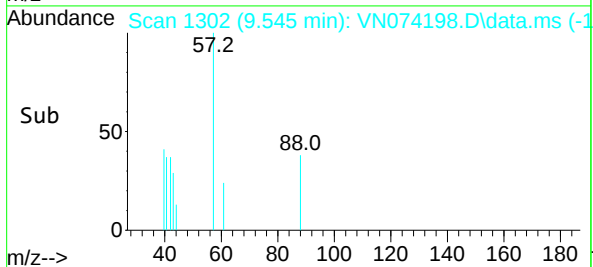
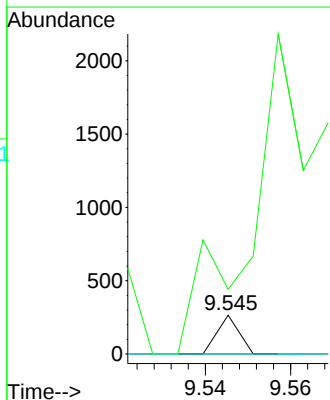
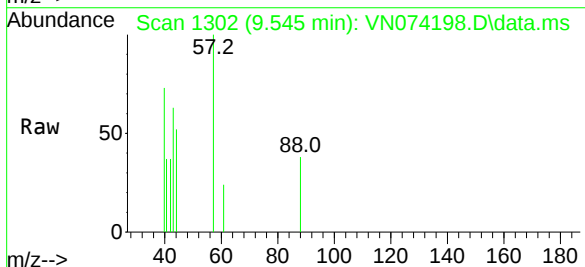
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-03

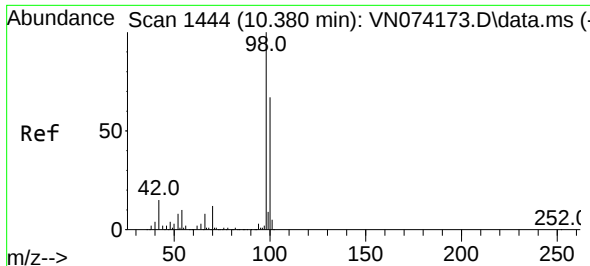
Tgt Ion: 41 Resp: 4207
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 86.9 45.6 68.4#



#49
1,4-Dioxane
Concen: 1.196 ug/l
RT: 9.545 min Scan# 1302
Delta R.T. 0.041 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

Tgt Ion: 88 Resp: 93
Ion Ratio Lower Upper
88 100
43 3892.5 20.2 30.4#
58 0.0 54.2 81.4#

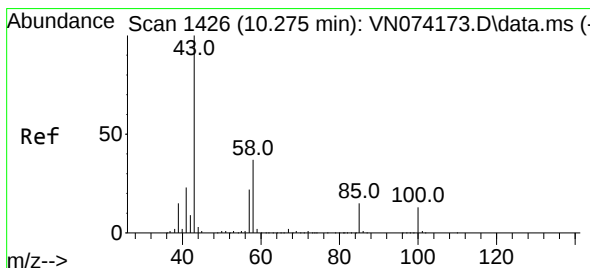
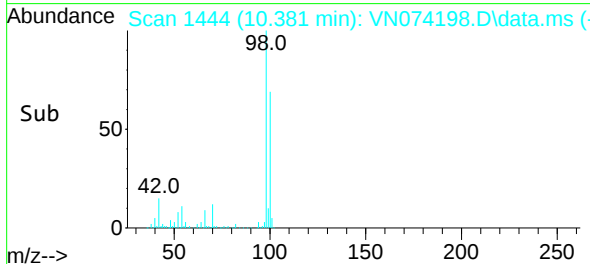
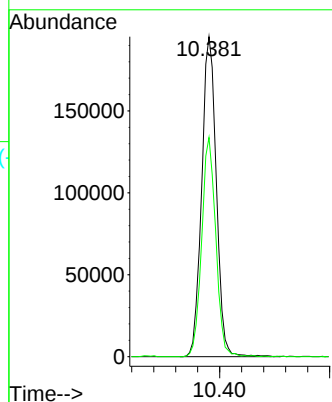
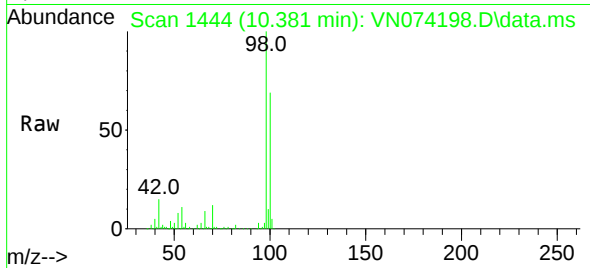




#50
Toluene-d8
Concen: 44.020 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

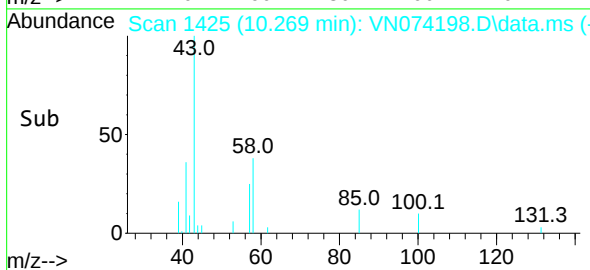
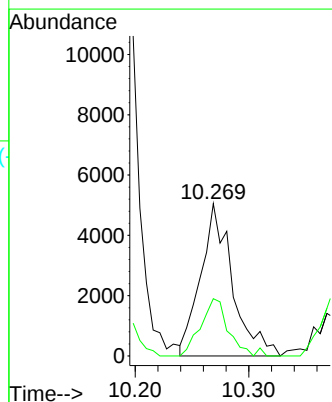
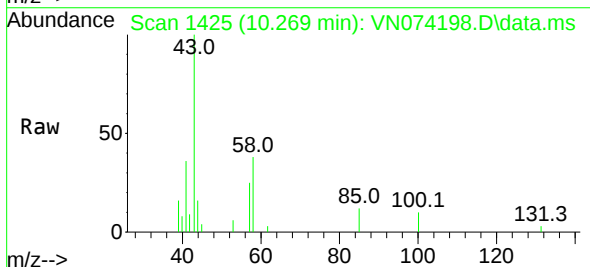
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-03

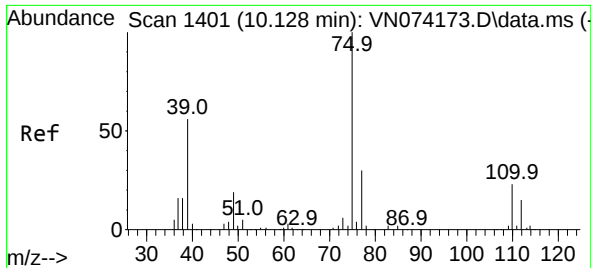
Tgt Ion: 98 Resp: 360556
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.783 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

Tgt Ion: 43 Resp: 9819
Ion Ratio Lower Upper
43 100
58 32.9 34.1 51.1#

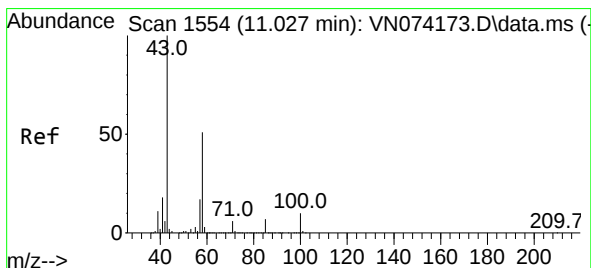
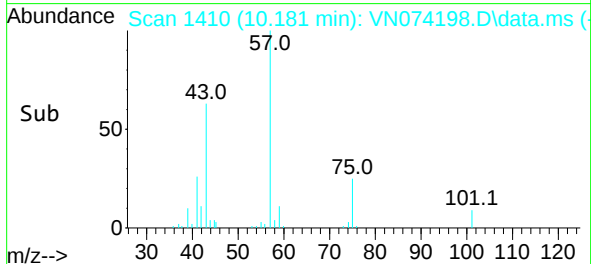
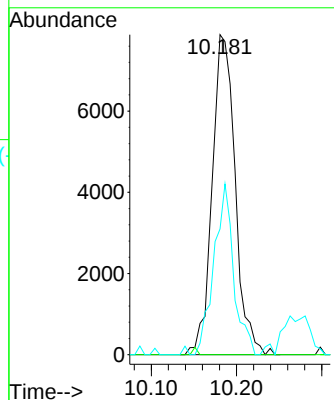
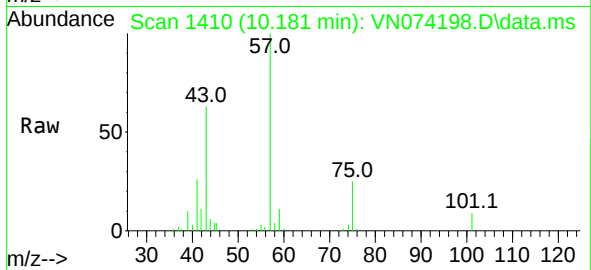




#54
 cis-1,3-Dichloropropene
 Concen: 3.719 ug/l
 RT: 10.181 min Scan# 1401
 Delta R.T. 0.053 min
 Lab File: VN074198.D
 Acq: 31 Aug 2022 05:03

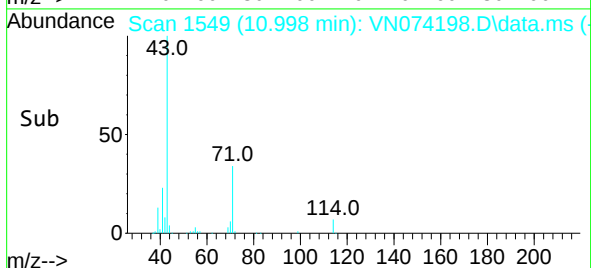
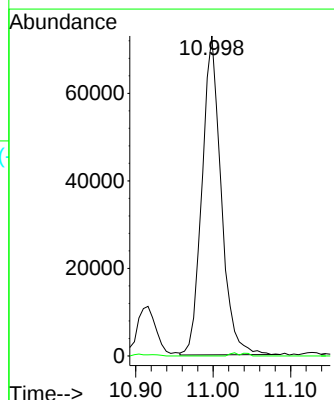
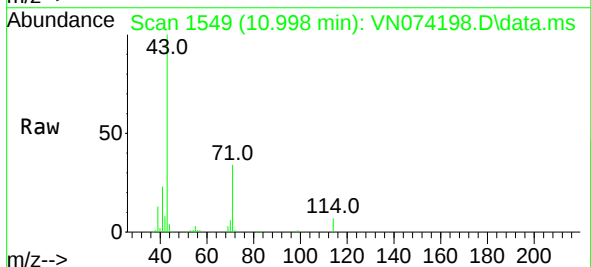
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-PALM-SP-03

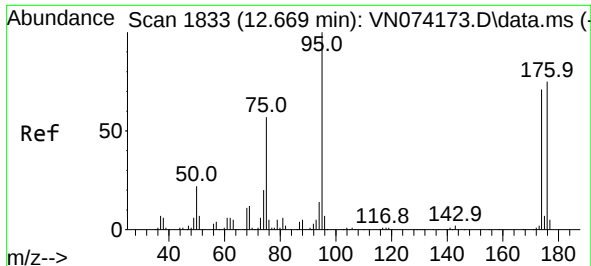
Tgt Ion: 75 Resp: 14780
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 39.3 35.7 53.5



#59
 2-Hexanone
 Concen: 29.886 ug/l
 RT: 10.998 min Scan# 1549
 Delta R.T. -0.029 min
 Lab File: VN074198.D
 Acq: 31 Aug 2022 05:03

Tgt Ion: 43 Resp: 124883
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.7 89.1#

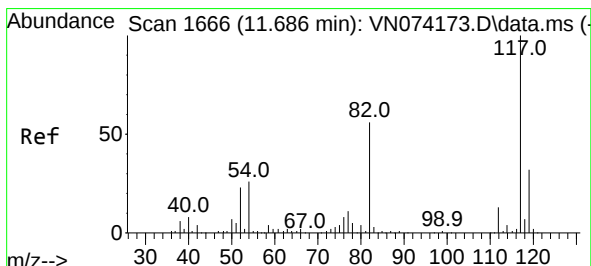
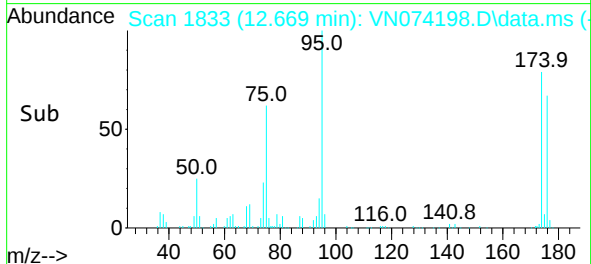
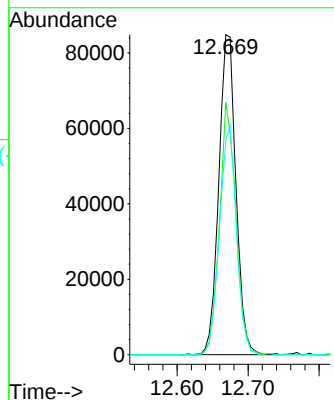
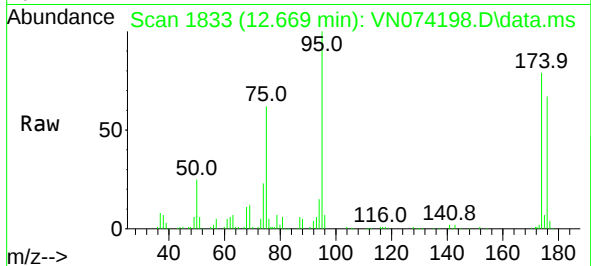




#62
4-Bromofluorobenzene
Concen: 57.016 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

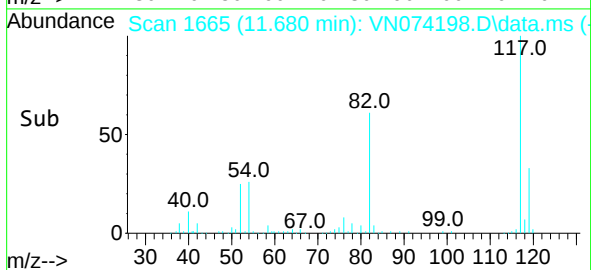
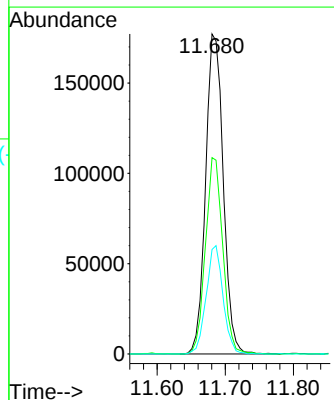
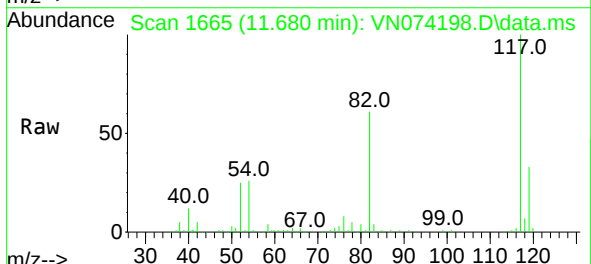
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-03

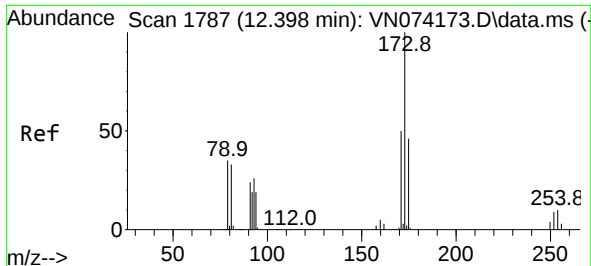
Tgt Ion: 95 Resp: 142019
Ion Ratio Lower Upper
95 100
174 75.2 0.0 167.6
176 70.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. -0.006 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

Tgt Ion: 117 Resp: 318864
Ion Ratio Lower Upper
117 100
82 61.4 44.2 66.2
119 32.7 25.4 38.0

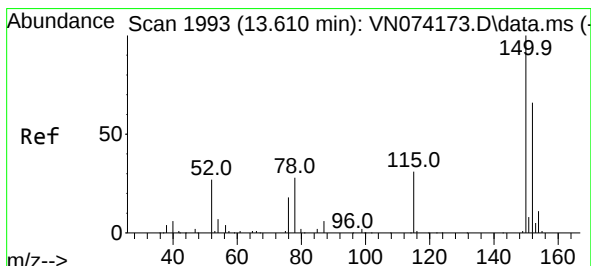
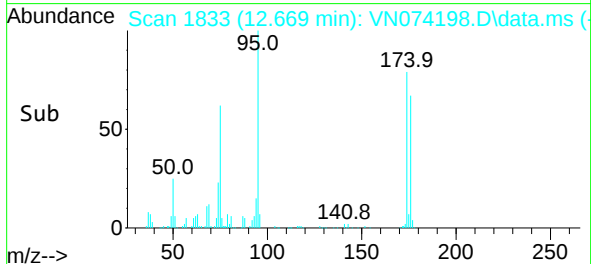
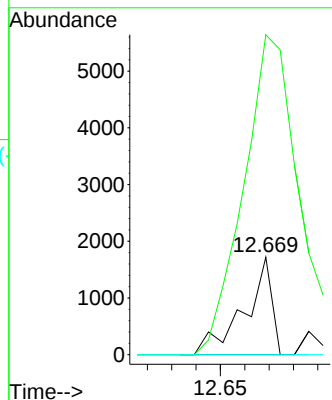
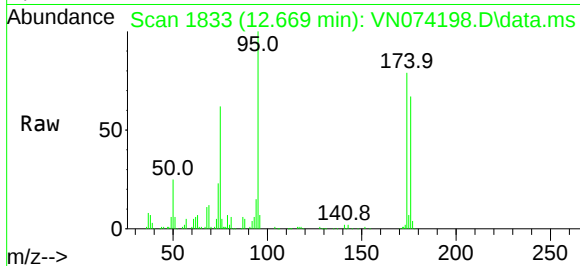




#71
Bromoform
Concen: 0.619 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

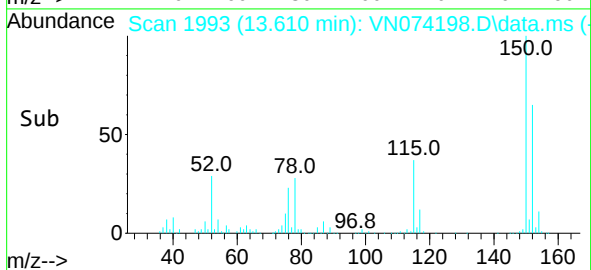
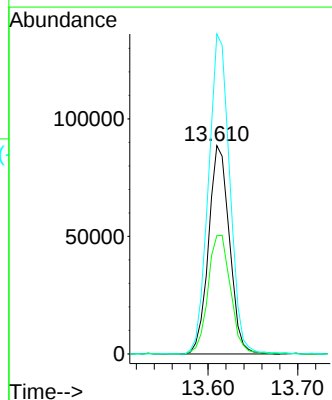
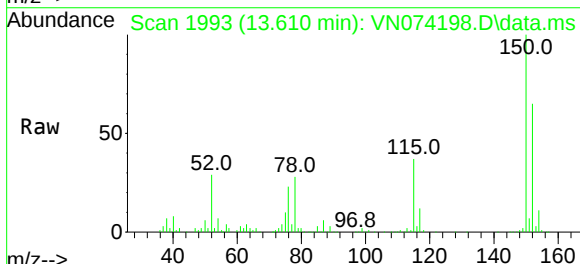
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-03

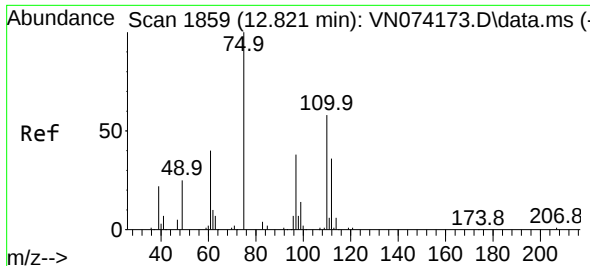
Tgt Ion:173 Resp: 1338
Ion Ratio Lower Upper
173 100
175 489.5 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

Tgt Ion:152 Resp: 143163
Ion Ratio Lower Upper
152 100
115 61.4 28.9 86.7
150 156.7 0.0 356.2

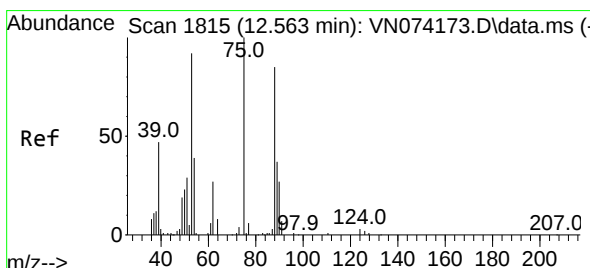
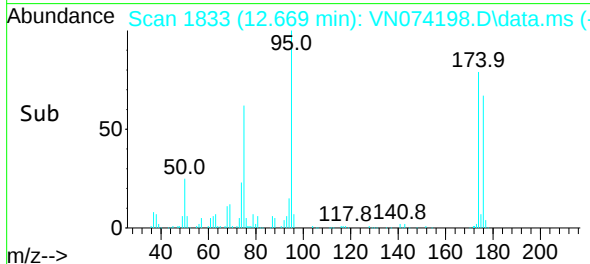
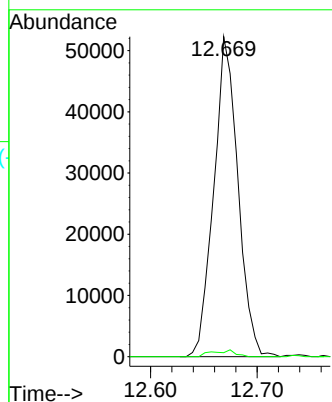
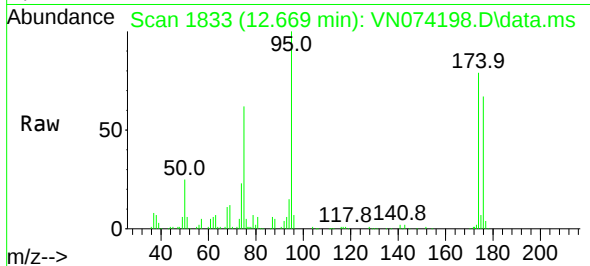




#76
1,2,3-Trichloropropane
Concen: 22.981 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

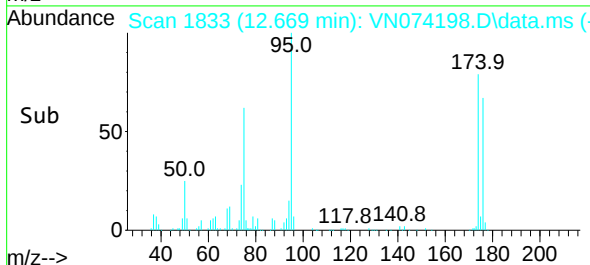
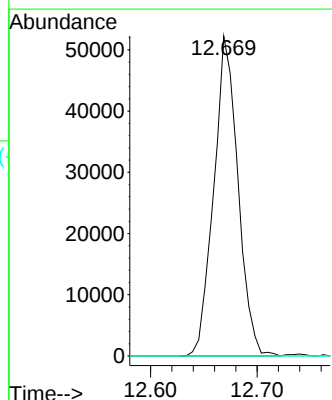
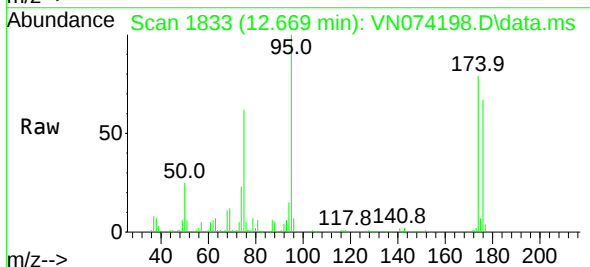
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-03

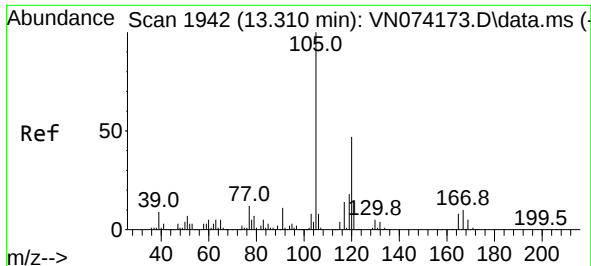
Tgt Ion: 75 Resp: 82343
Ion Ratio Lower Upper
75 100
77 2.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.701 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

Tgt Ion: 75 Resp: 82343
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

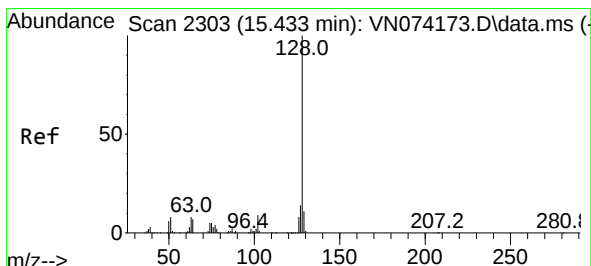
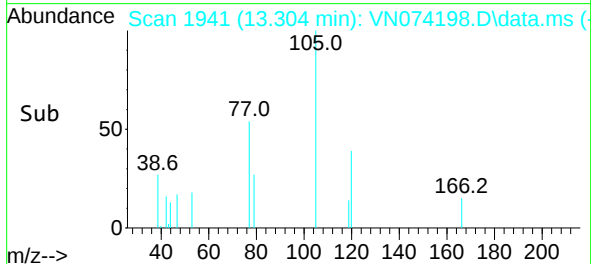
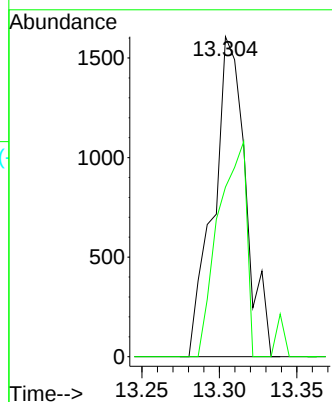
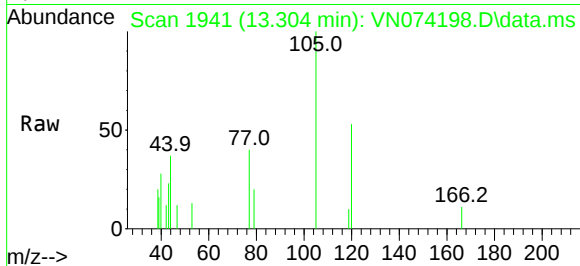




#84
1,2,4-Trimethylbenzene
Concen: 0.242 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.006 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-03

Tgt Ion:105 Resp: 2327
Ion Ratio Lower Upper
105 100
120 58.5 23.3 69.8



#95
Naphthalene
Concen: 1.319 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN074198.D
Acq: 31 Aug 2022 05:03

Tgt Ion:128 Resp: 1862
Ion Ratio Lower Upper
128 100
127 4.8 10.3 15.5#
129 4.8 8.6 13.0#

