

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074237.D
 Acq On : 01 Sep 2022 13:03
 Operator : JC\MD
 Sample : N4421-01
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-PALM-SP-01

Quant Time: Sep 01 16:15:25 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)

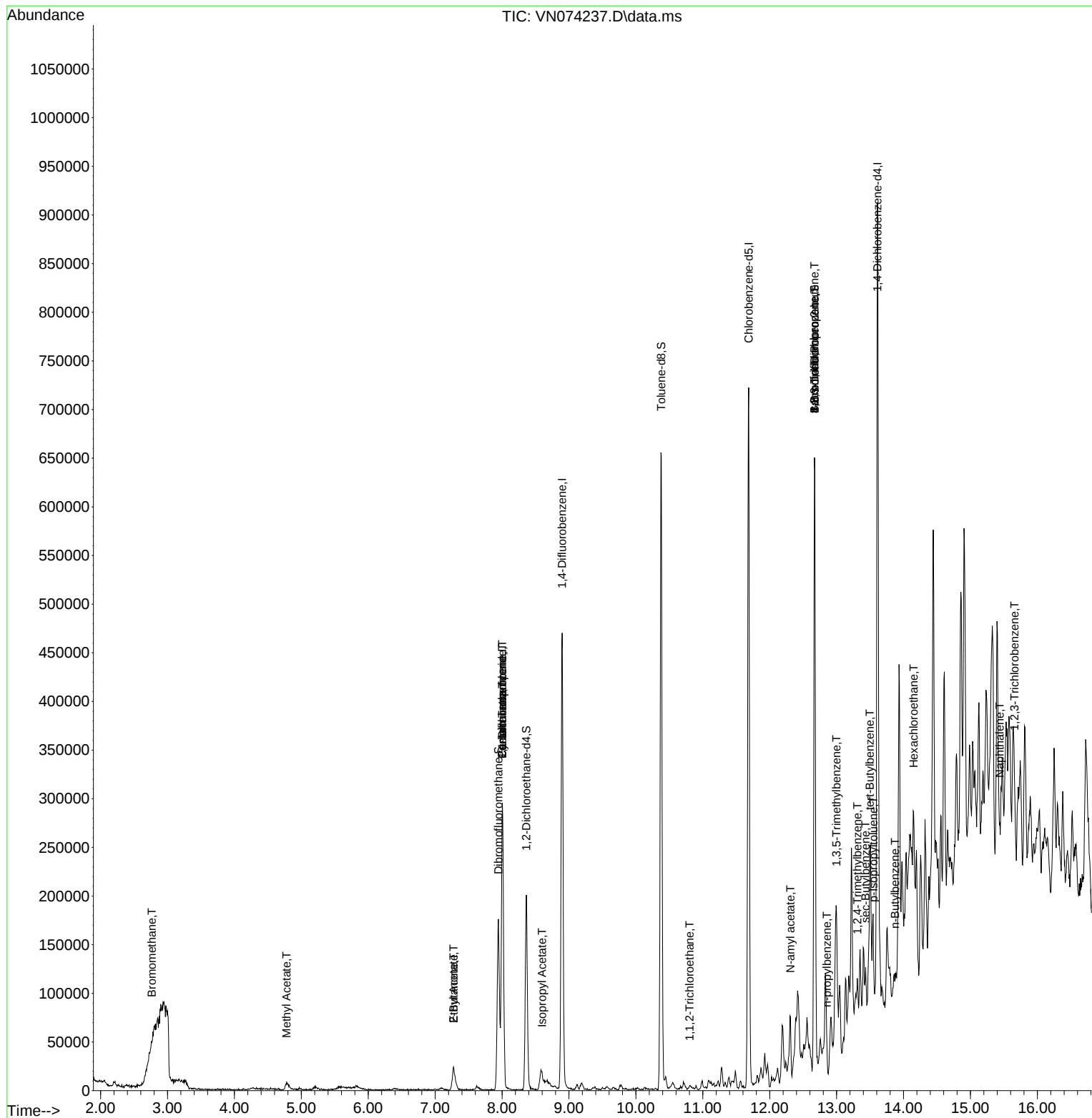
Internal Standards						
1) Pentafluorobenzene	8.004	168	205200	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.898	114	386544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	387265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	209328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	147702	46.401	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.800%		
35) Dibromofluoromethane	7.945	113	122797	48.820	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.640%		
50) Toluene-d8	10.380	98	425600	42.965	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	85.940%#		
62) 4-Bromofluorobenzene	12.668	95	198856	66.013	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	132.020%#		
Target Compounds						Qvalue
5) Bromomethane	2.763	94	1659	1.021	ug/l	98
6) Chloroethane	2.934	64	631	Below Cal	#	42
11) Tert butyl alcohol	5.257	59	701	Below Cal	#	72
18) Methyl Acetate	4.781	43	17608	1.294	ug/l #	85
20) Methylene Chloride	4.981	84	376	Below Cal	#	81
25) 2-Butanone	7.275	43	40637	11.943	ug/l	93
31) Cyclohexane	8.004	56	7292	1.386	ug/l #	53
36) 1,1-Dichloropropene	8.004	75	19341	4.739	ug/l #	44
37) Ethyl Acetate	7.275	43	40637	5.954	ug/l #	67
38) Carbon Tetrachloride	8.004	117	21590	5.826	ug/l #	17
43) Isopropyl Acetate	8.598	43	14088	1.535	ug/l #	54
55) 1,1,2-Trichloroethane	10.804	97	1898	0.581	ug/l #	16
71) Bromoform	12.668	173	2191	0.835	ug/l #	28
74) N-amyl acetate	12.310	43	15888	1.566	ug/l #	55
76) 1,2,3-Trichloropropane	12.668	75	115726	22.003	ug/l #	1
78) n-propylbenzene	12.857	91	4479	0.219	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	9429	0.647	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.668	75	115726	57.384	ug/l #	11
83) tert-Butylbenzene	13.498	119	5489	0.440	ug/l	70
84) 1,2,4-Trimethylbenzene	13.310	105	18788	1.335	ug/l	94
85) sec-Butylbenzene	13.433	105	8667	0.495	ug/l	93
86) p-Isopropyltoluene	13.551	119	5998	0.441	ug/l	91
89) n-Butylbenzene	13.874	91	4571	0.386	ug/l #	75
90) Hexachloroethane	14.151	117	3595	1.281	ug/l #	9
95) Naphthalene	15.439	128	16048	2.138	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.656	180	1597	0.400	ug/l #	68

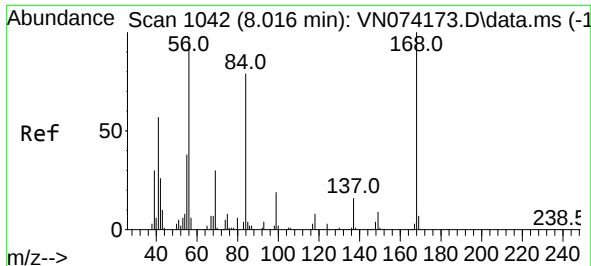
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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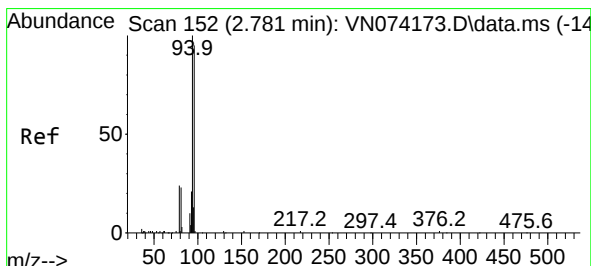
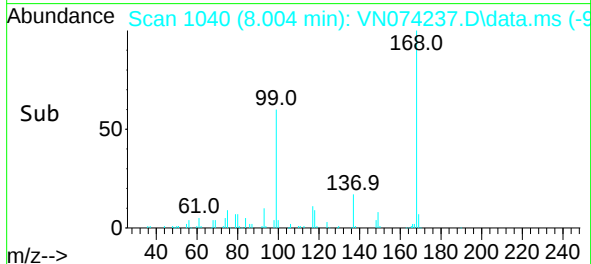
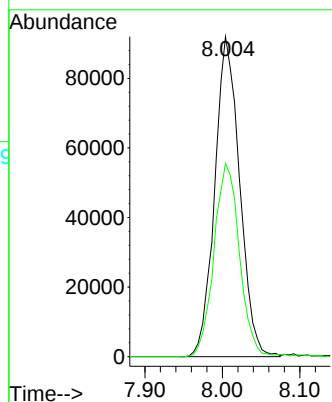
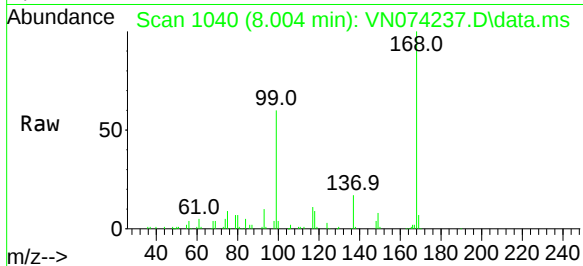




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.004 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

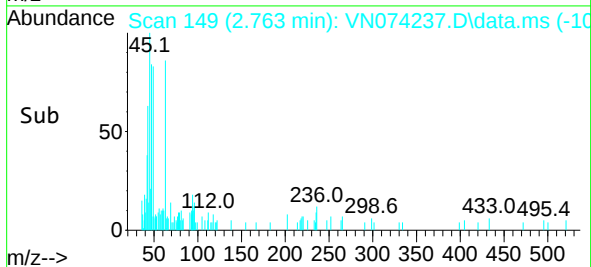
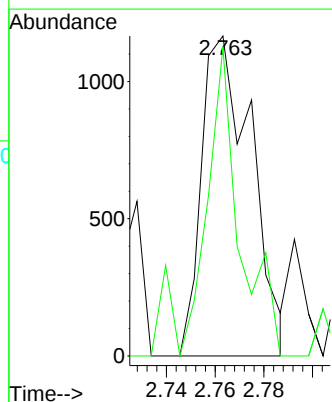
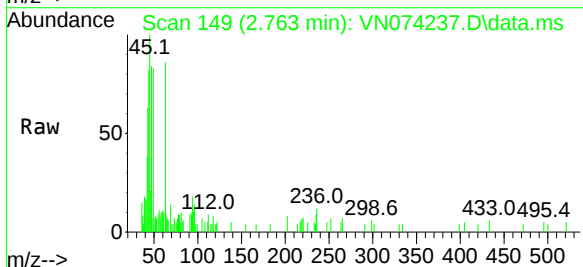
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-01

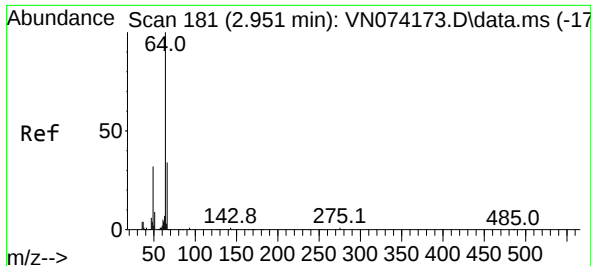
Tgt Ion:168 Resp: 205200
Ion Ratio Lower Upper
168 100
99 60.3 42.3 63.5



#5
Bromomethane
Concen: 1.021 ug/l
RT: 2.763 min Scan# 149
Delta R.T. -0.018 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

Tgt Ion: 94 Resp: 1659
Ion Ratio Lower Upper
94 100
96 96.7 76.0 114.0

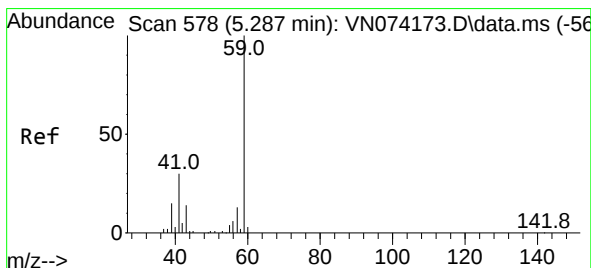
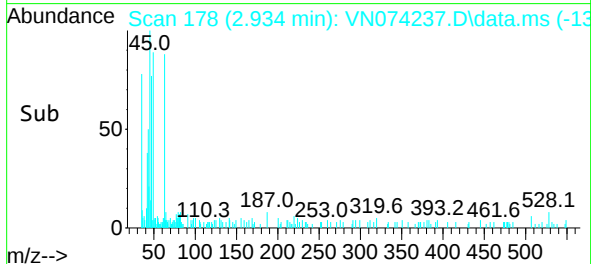
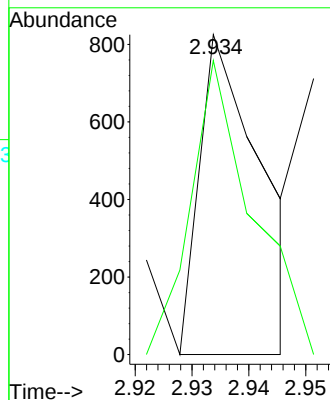
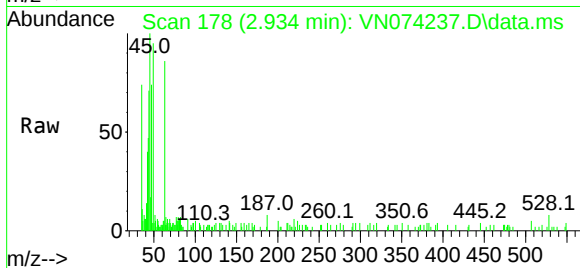




#6
Chloroethane
Concen: Below Cal
RT: 2.934 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

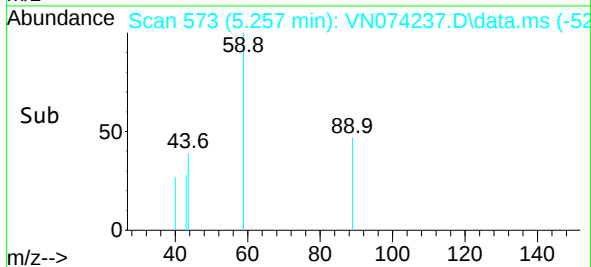
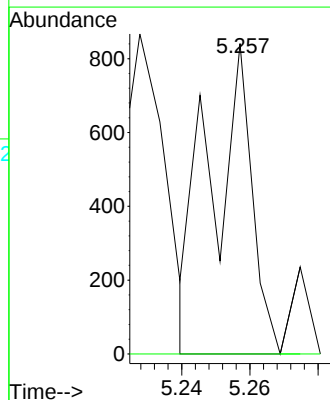
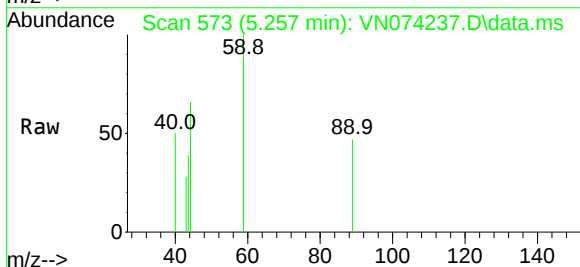
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-01

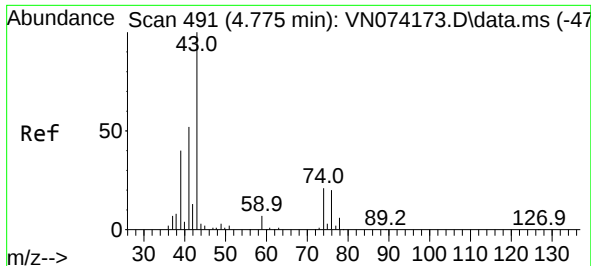
Tgt Ion: 64 Resp: 631
Ion Ratio Lower Upper
64 100
66 65.5 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.257 min Scan# 573
Delta R.T. -0.030 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

Tgt Ion: 59 Resp: 701
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

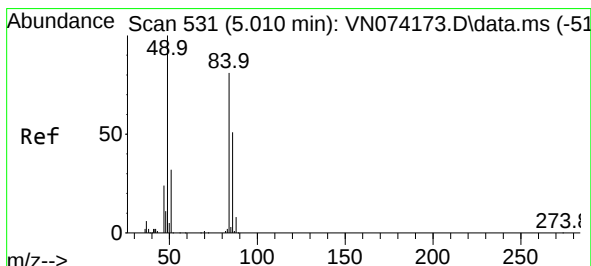
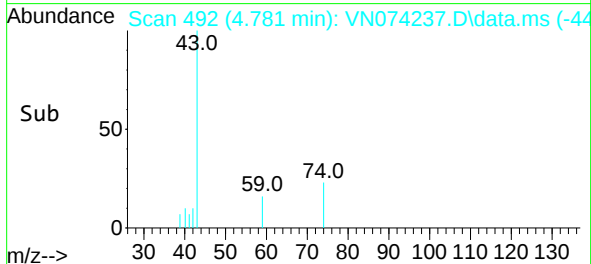
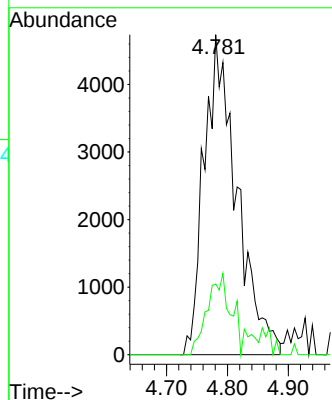
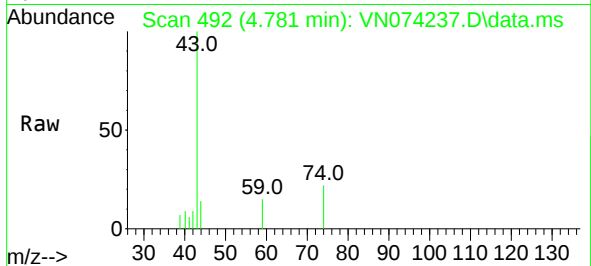




#18
Methyl Acetate
Concen: 1.294 ug/l
RT: 4.781 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

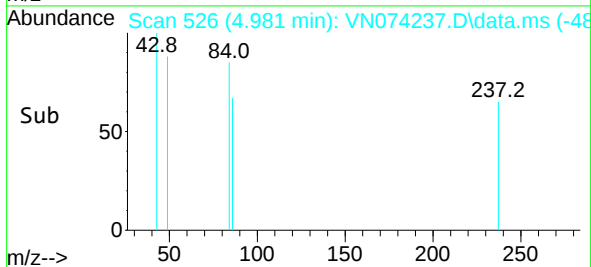
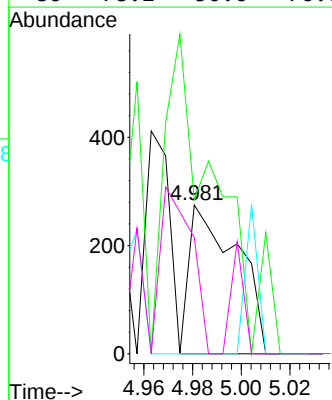
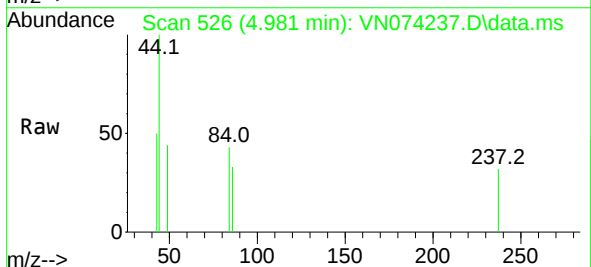
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-01

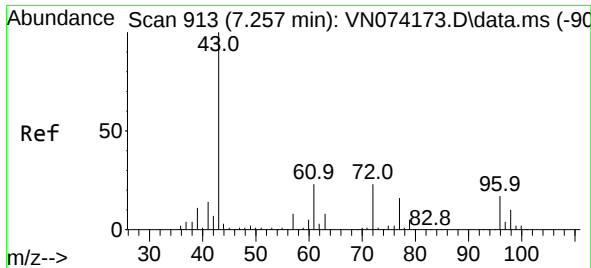
Tgt Ion: 43 Resp: 17608
Ion Ratio Lower Upper
43 100
74 19.2 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.981 min Scan# 526
Delta R.T. -0.029 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

Tgt Ion: 84 Resp: 376
Ion Ratio Lower Upper
84 100
49 103.6 88.3 132.5
51 0.0 28.2 42.2#
86 78.2 50.6 76.0#

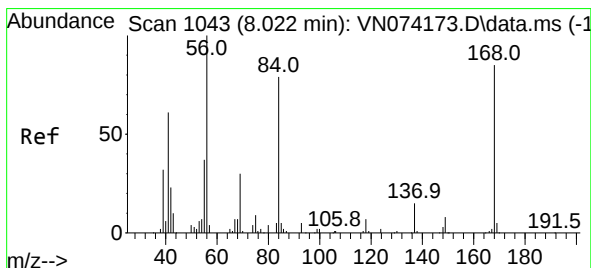
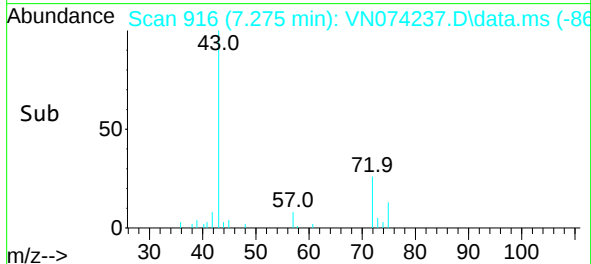
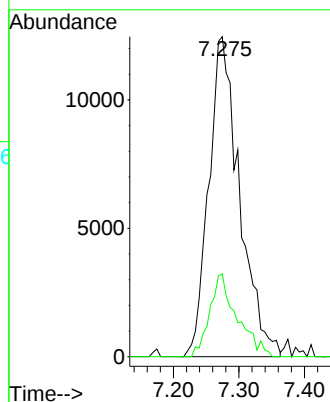
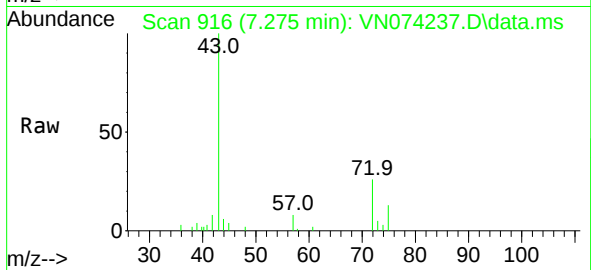




#25
2-Butanone
Concen: 11.943 ug/l
RT: 7.275 min Scan# 913
Delta R.T. 0.018 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

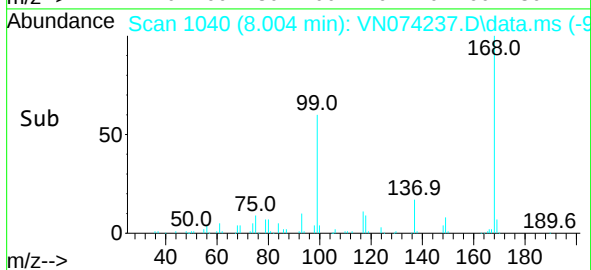
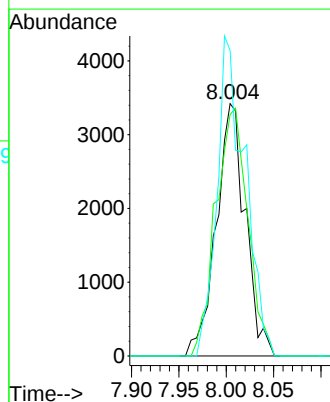
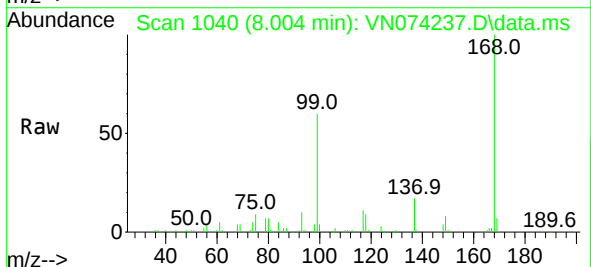
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-01

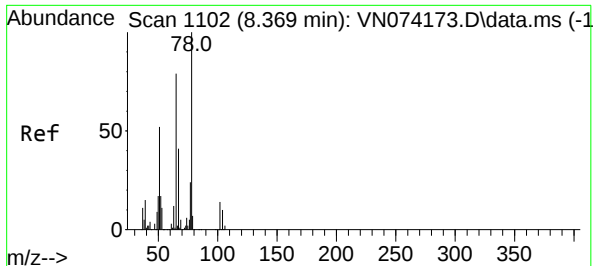
Tgt Ion: 43 Resp: 40637
Ion Ratio Lower Upper
43 100
72 25.9 23.7 35.5



#31
Cyclohexane
Concen: 1.386 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.018 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

Tgt Ion: 56 Resp: 7292
Ion Ratio Lower Upper
56 100
69 95.7 27.8 41.8#
84 121.1 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.401 ug/l

RT: 8.363 min Scan# 1102

Delta R.T. -0.006 min

Lab File: VN074237.D

Acq: 01 Sep 2022 13:03

Instrument :

MSVOA_N

ClientSampleId :

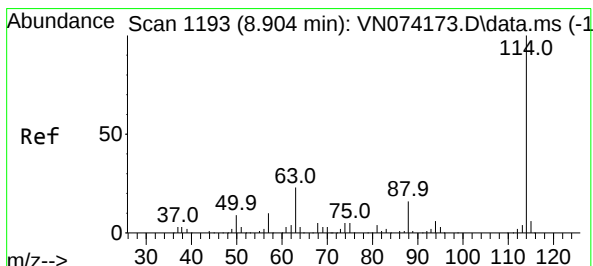
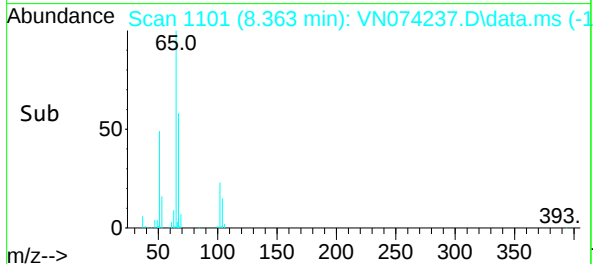
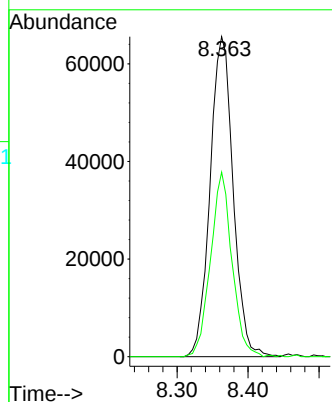
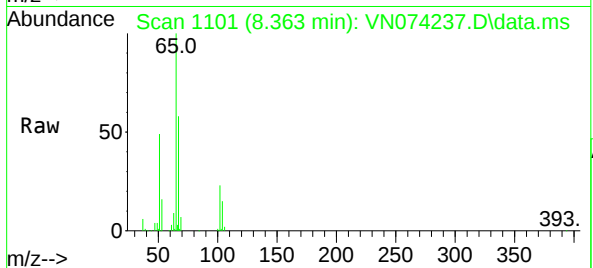
WC-PALM-SP-01

Tgt Ion: 65 Resp: 147702

Ion Ratio Lower Upper

65 100

67 53.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. -0.006 min

Lab File: VN074237.D

Acq: 01 Sep 2022 13:03

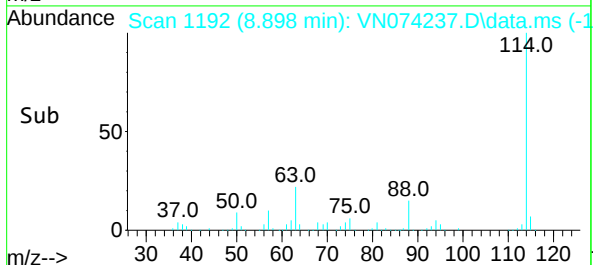
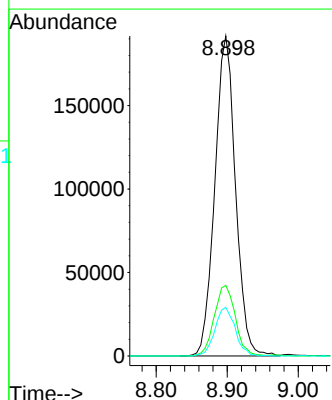
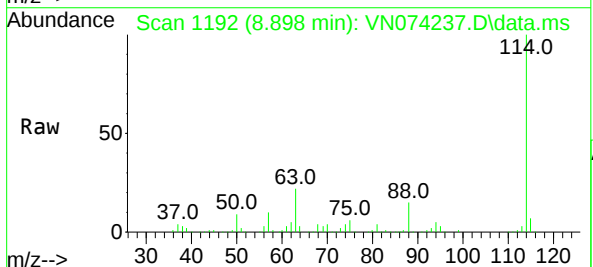
Tgt Ion: 114 Resp: 386544

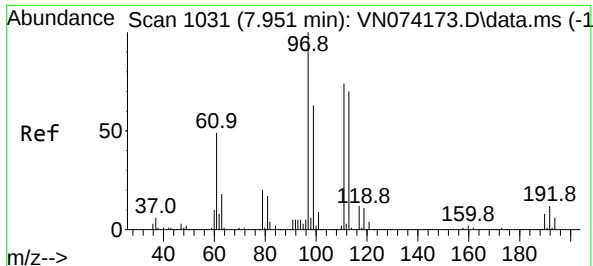
Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.0

88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.820 ug/l

RT: 7.945 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN074237.D

Acq: 01 Sep 2022 13:03

Instrument :

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ClientSampleId :

WC-PALM-SP-01

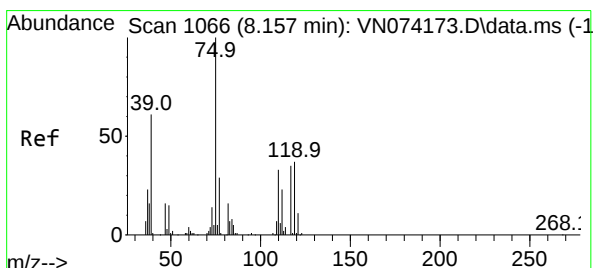
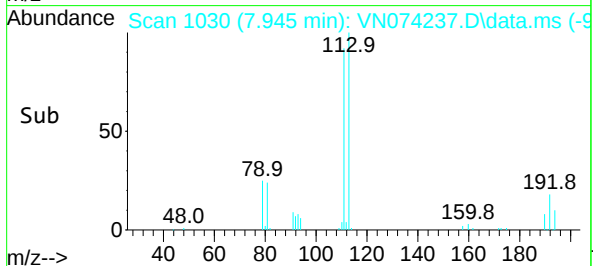
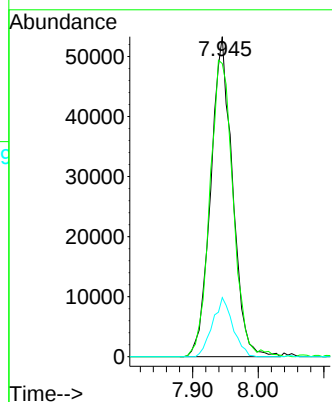
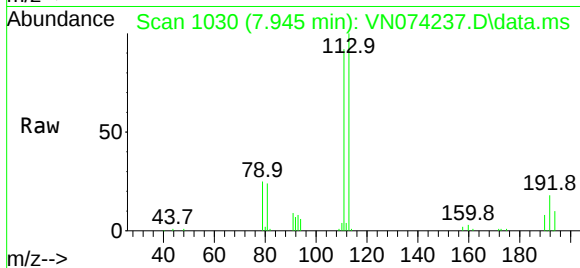
Tgt Ion:113 Resp: 122797

Ion Ratio Lower Upper

113 100

111 99.3 81.4 122.0

192 17.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.739 ug/l

RT: 8.004 min Scan# 1040

Delta R.T. -0.153 min

Lab File: VN074237.D

Acq: 01 Sep 2022 13:03

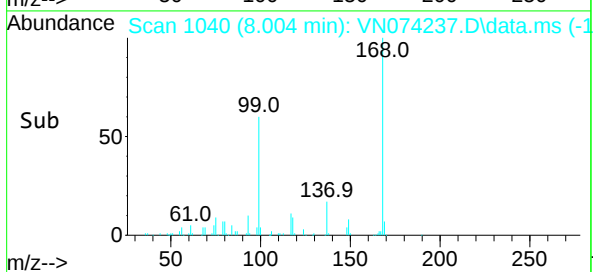
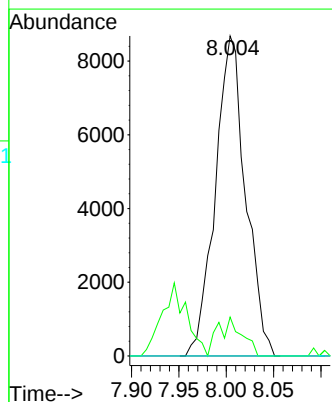
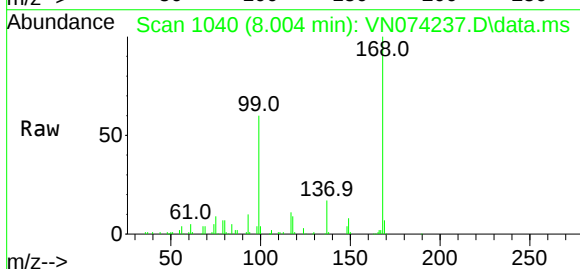
Tgt Ion: 75 Resp: 19341

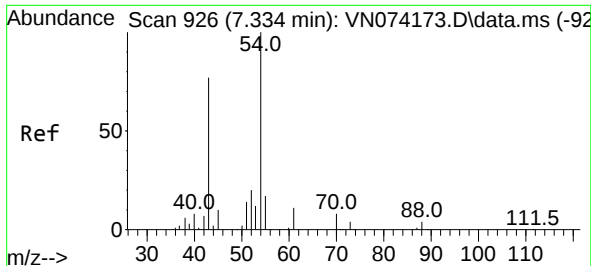
Ion Ratio Lower Upper

75 100

110 3.7 18.3 54.8#

77 0.0 25.1 37.7#

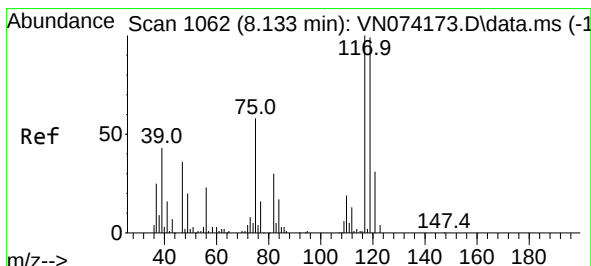
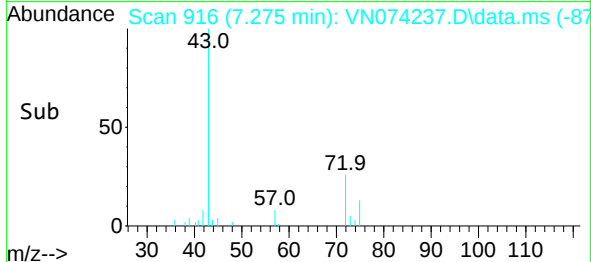
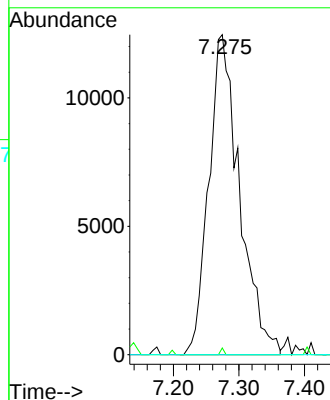
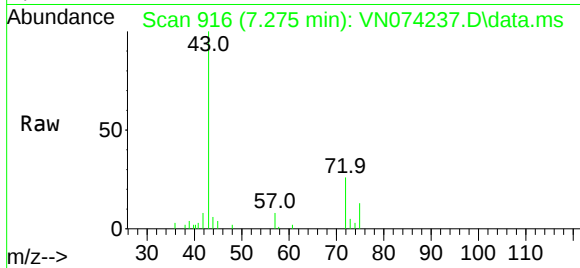




#37
Ethyl Acetate
Concen: 5.954 ug/l
RT: 7.275 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

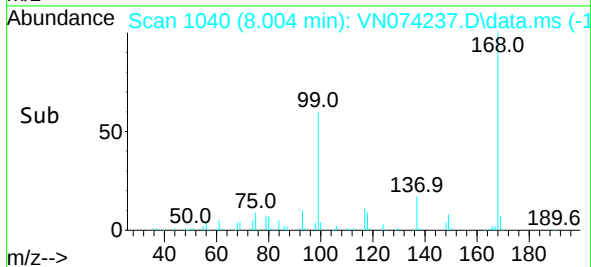
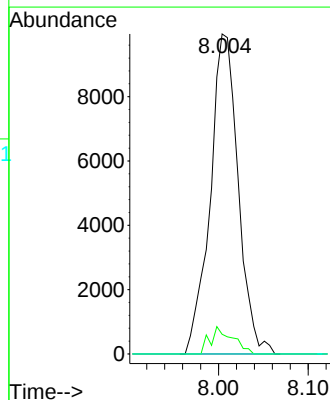
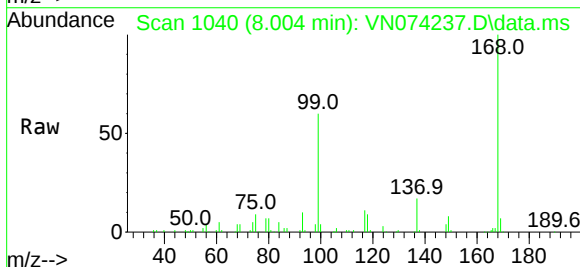
Instrument :
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WC-PALM-SP-01

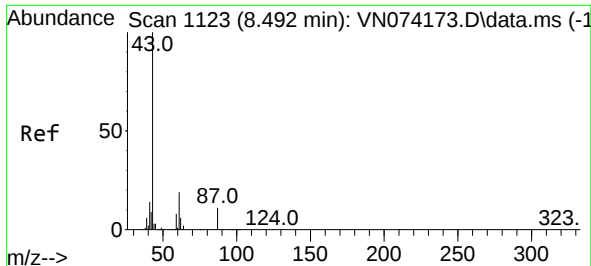
Tgt Ion: 43 Resp: 40637
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.826 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.129 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

Tgt Ion: 117 Resp: 21590
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.8#
121 0.0 24.6 37.0#

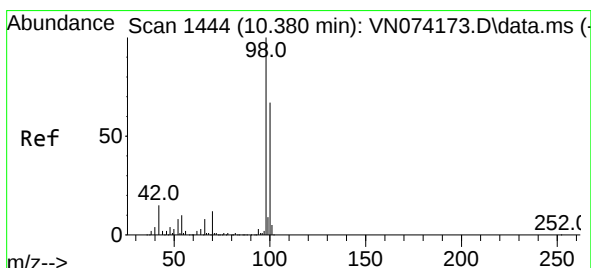
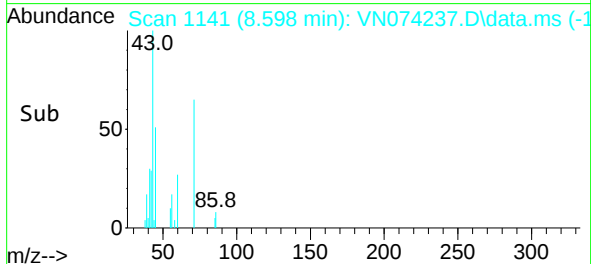
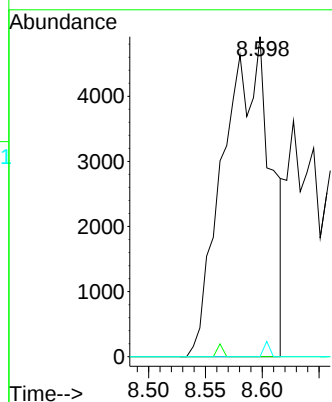
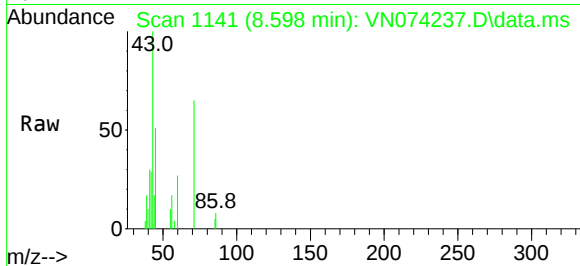




#43
Isopropyl Acetate
Concen: 1.535 ug/l
RT: 8.598 min Scan# 1123
Delta R.T. 0.106 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

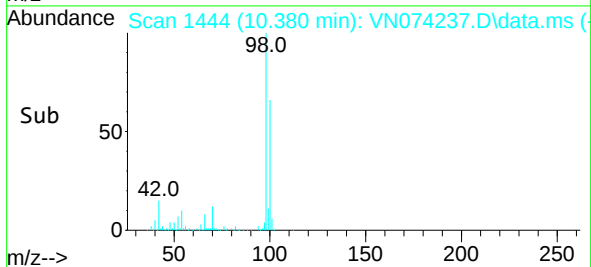
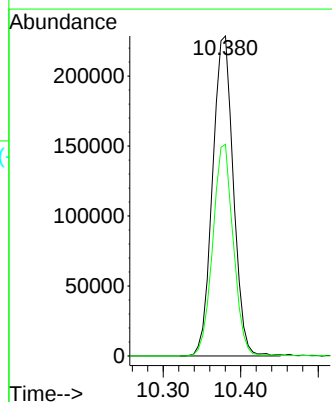
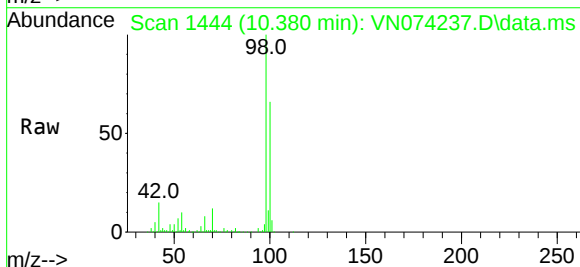
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-01

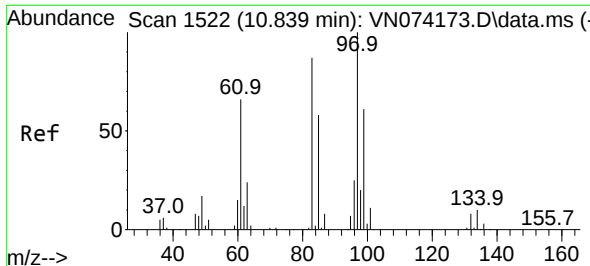
Tgt Ion: 43 Resp: 14088
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.6 12.0 18.0#



#50
Toluene-d8
Concen: 42.965 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

Tgt Ion: 98 Resp: 425600
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8

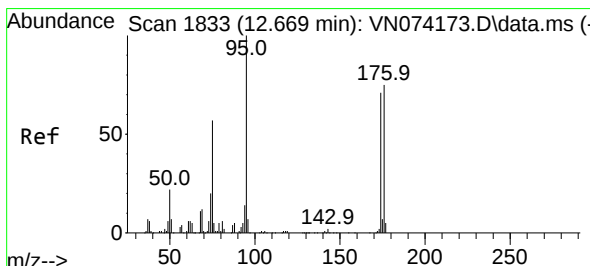
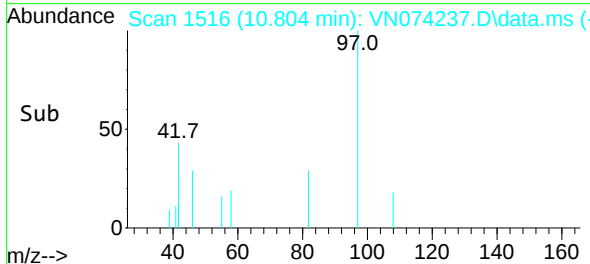
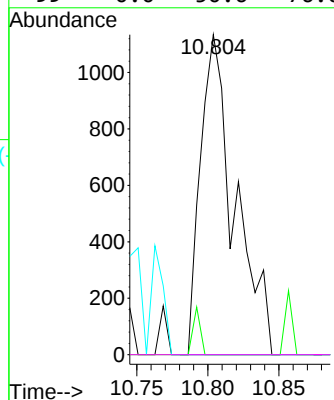
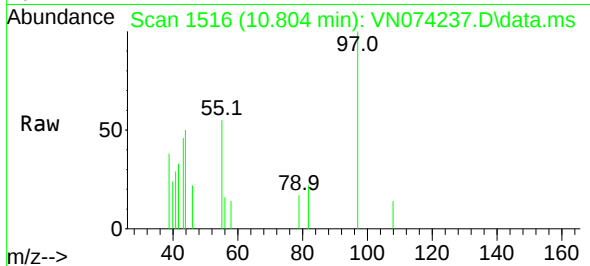




#55
1,1,2-Trichloroethane
Concen: 0.581 ug/l
RT: 10.804 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

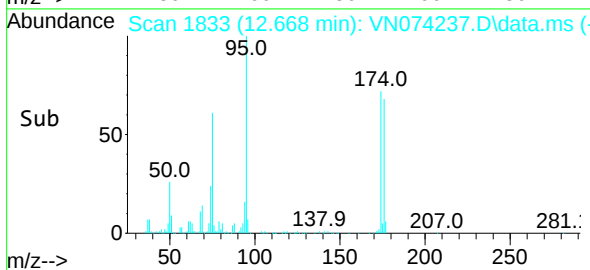
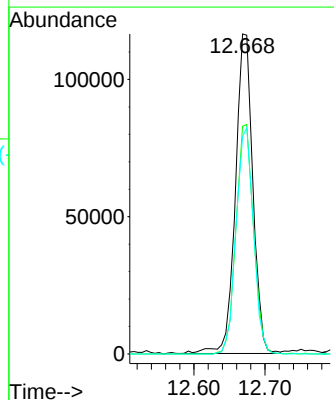
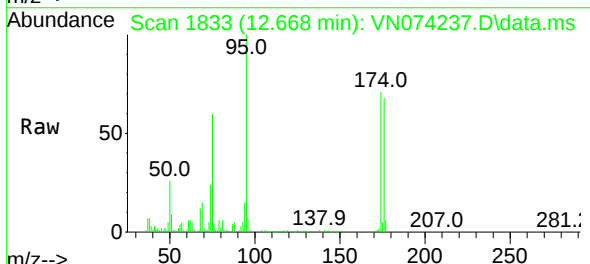
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-01

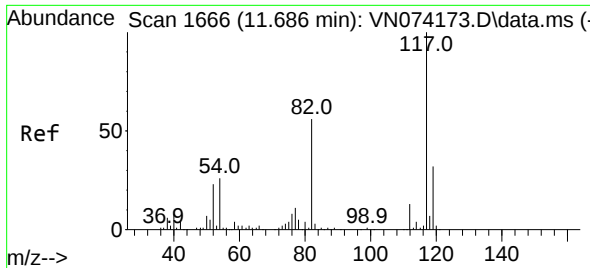
Tgt Ion:	97	Resp:	1898
Ion	Ratio	Lower	Upper
97	100		
83	0.0	66.2	99.4#
85	0.0	43.9	65.9#
99	0.0	50.6	76.0#



#62
4-Bromofluorobenzene
Concen: 66.013 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

Tgt Ion:	95	Resp:	198856
Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	167.6
176	70.6	0.0	163.4

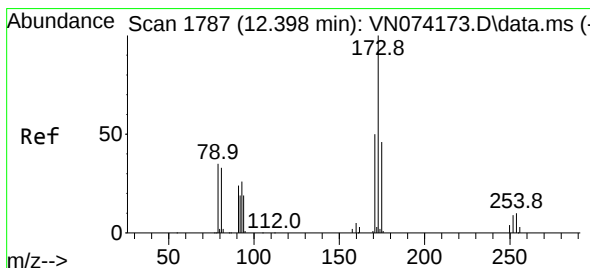
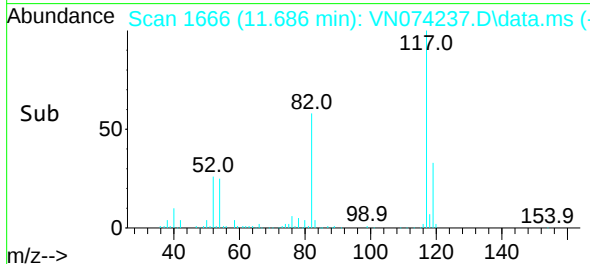
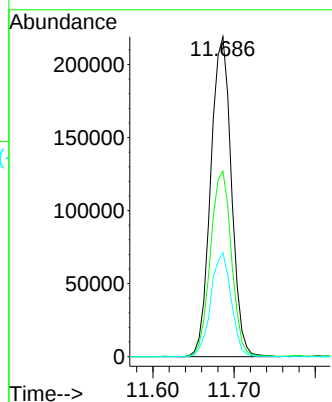
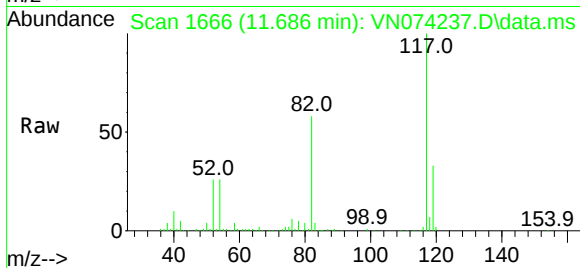




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

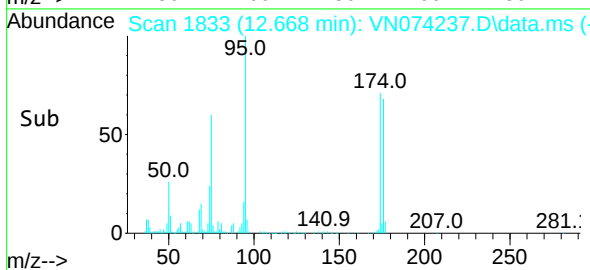
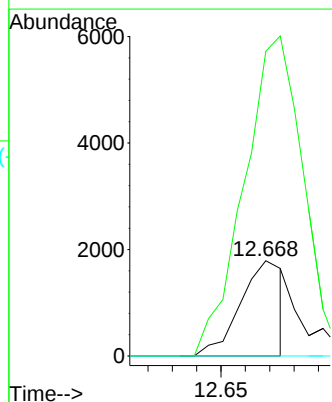
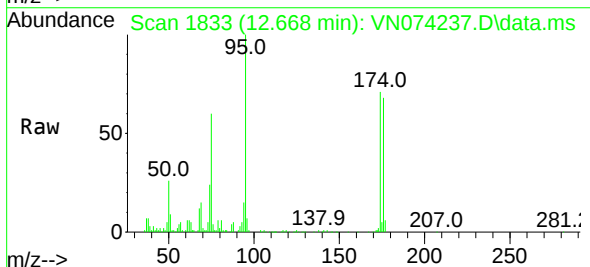
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-01

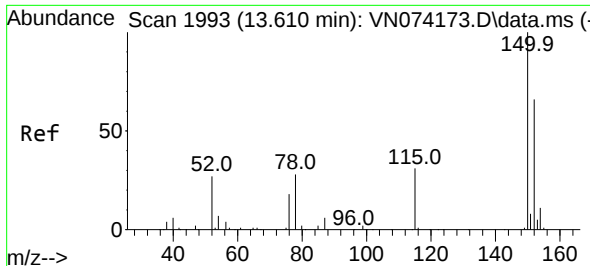
Tgt Ion:117 Resp: 387265
Ion Ratio Lower Upper
117 100
82 57.9 44.2 66.2
119 32.5 25.4 38.0



#71
Bromoform
Concen: 0.835 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

Tgt Ion:173 Resp: 2191
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

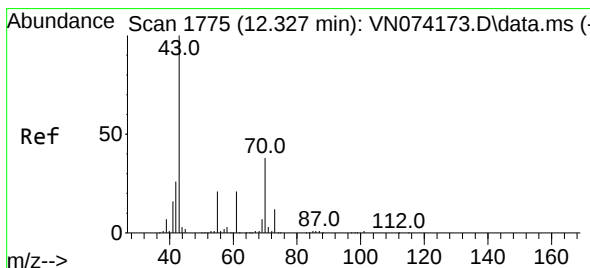
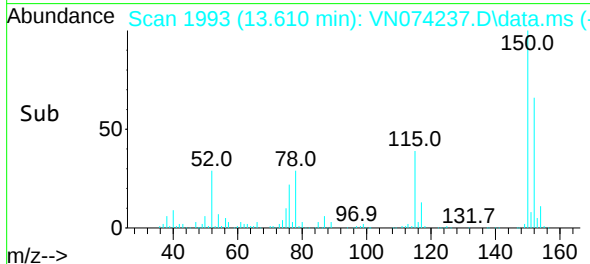
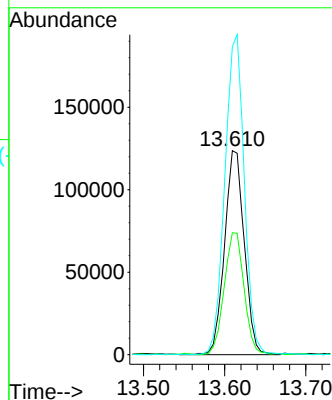
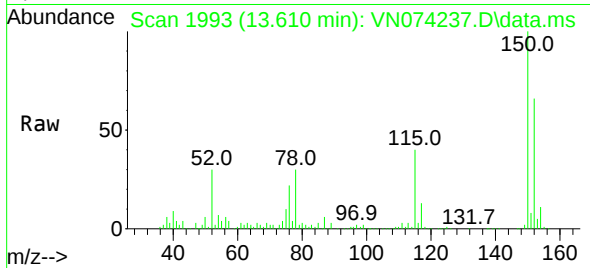




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN074237.D
 Acq: 01 Sep 2022 13:03

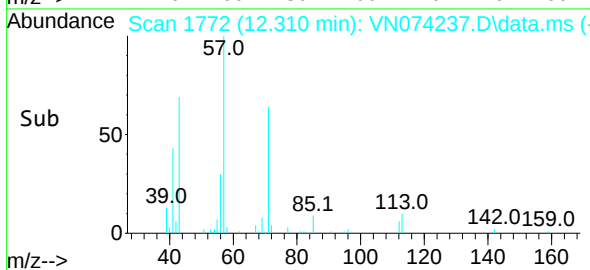
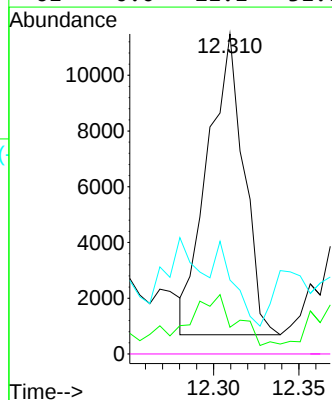
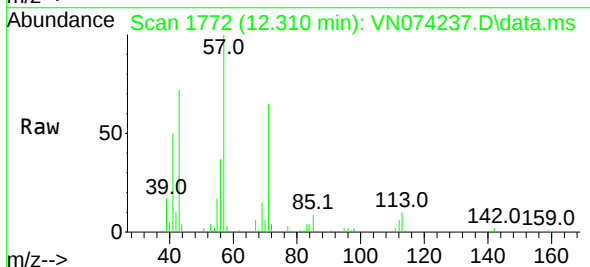
Instrument :
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 WC-PALM-SP-01

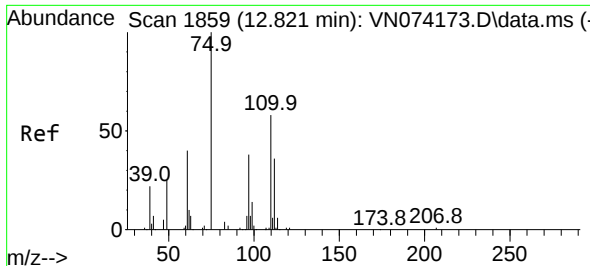
Tgt Ion:152 Resp: 209328
 Ion Ratio Lower Upper
 152 100
 115 60.3 28.9 86.7
 150 154.3 0.0 356.2



#74
 N-ethyl acetate
 Concen: 1.566 ug/l
 RT: 12.310 min Scan# 1772
 Delta R.T. -0.018 min
 Lab File: VN074237.D
 Acq: 01 Sep 2022 13:03

Tgt Ion: 43 Resp: 15888
 Ion Ratio Lower Upper
 43 100
 70 22.4 39.0 58.4#
 55 0.0 21.1 31.7#
 61 0.0 21.1 31.7#

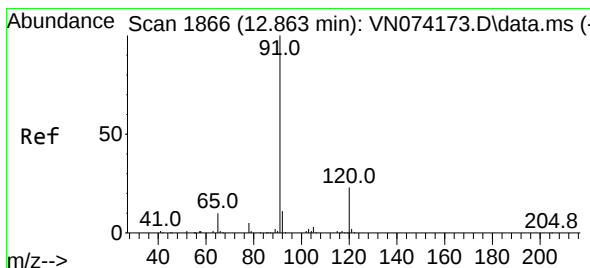
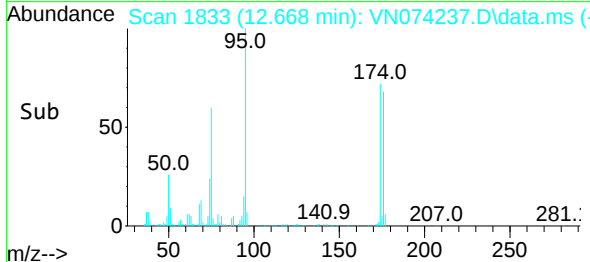
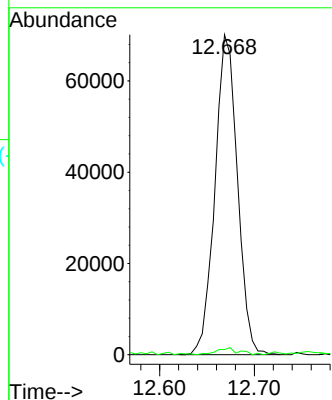
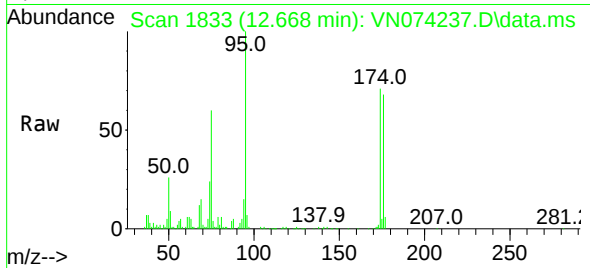




#76
1,2,3-Trichloropropane
Concen: 22.003 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

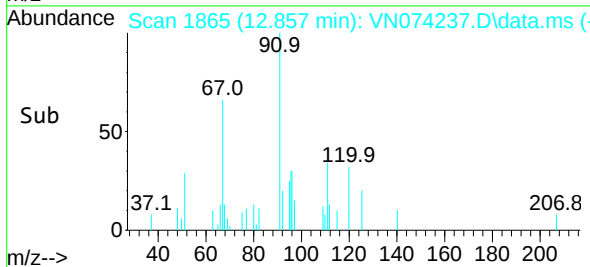
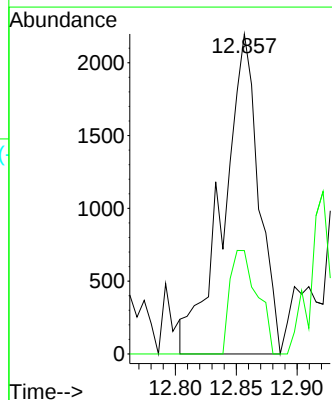
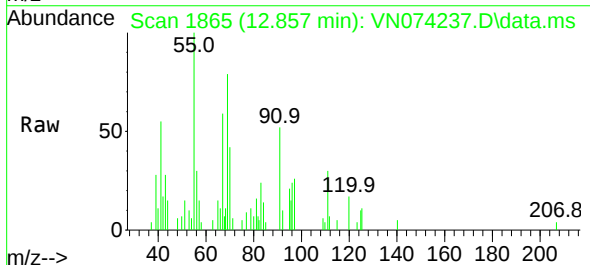
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-01

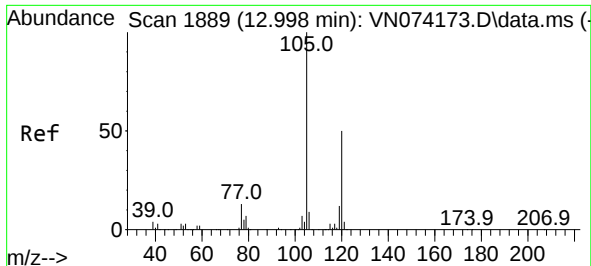
Tgt Ion: 75 Resp: 115726
Ion Ratio Lower Upper
75 100
77 2.1 98.5 295.5#



#78
n-propylbenzene
Concen: 0.219 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

Tgt Ion: 91 Resp: 4479
Ion Ratio Lower Upper
91 100
120 24.7 11.9 35.5

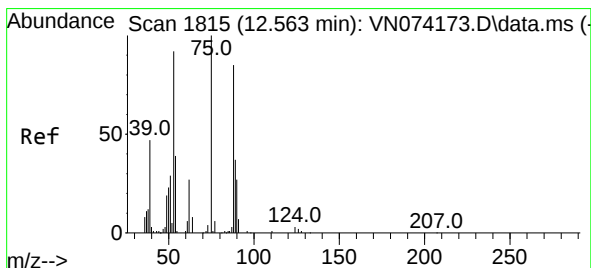
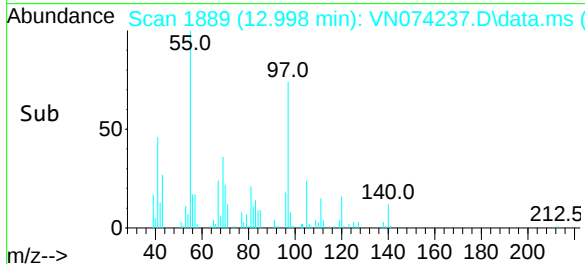
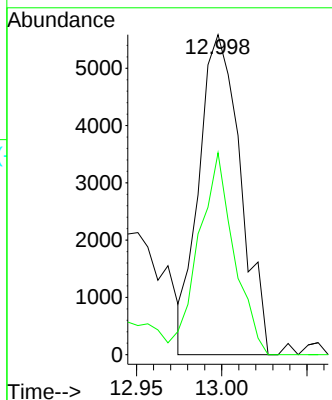
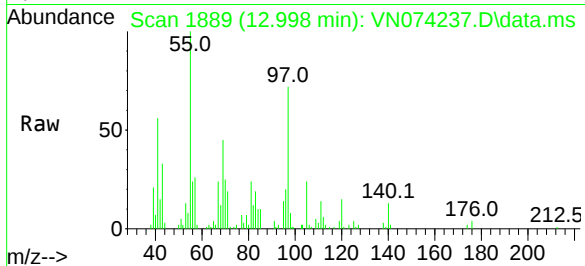




#80
 1,3,5-Trimethylbenzene
 Concen: 0.647 ug/l
 RT: 12.998 min Scan# 1889
 Delta R.T. -0.000 min
 Lab File: VN074237.D
 Acq: 01 Sep 2022 13:03

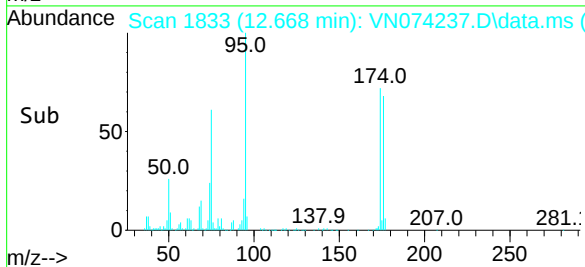
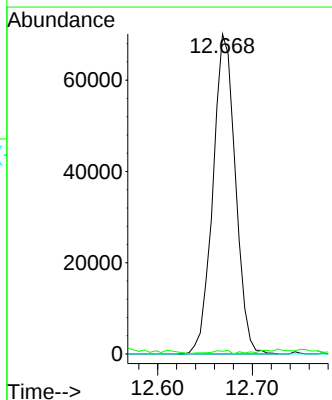
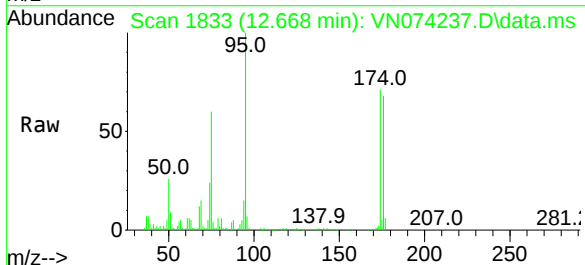
Instrument :
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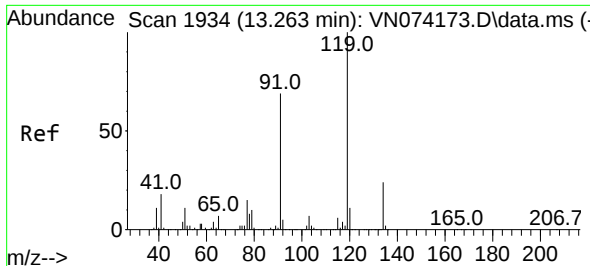
Tgt Ion:105 Resp: 9429
 Ion Ratio Lower Upper
 105 100
 120 54.0 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.384 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. 0.106 min
 Lab File: VN074237.D
 Acq: 01 Sep 2022 13:03

Tgt Ion: 75 Resp: 115726
 Ion Ratio Lower Upper
 75 100
 53 0.9 78.0 117.0#
 89 0.0 37.2 55.8#

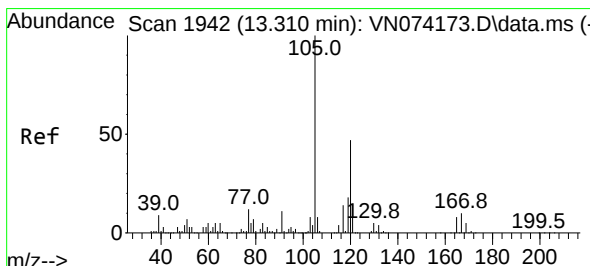
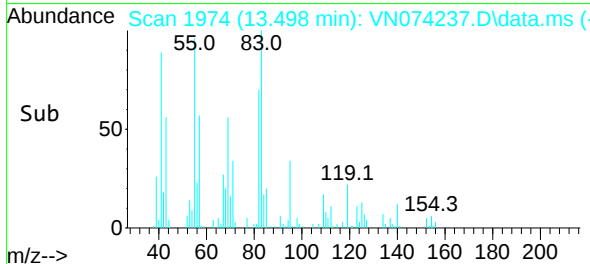
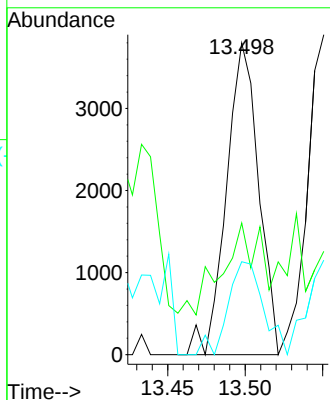
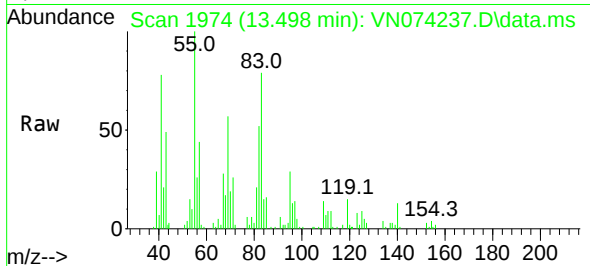




#83
tert-Butylbenzene
Concen: 0.440 ug/l
RT: 13.498 min Scan# 1934
Delta R.T. 0.235 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

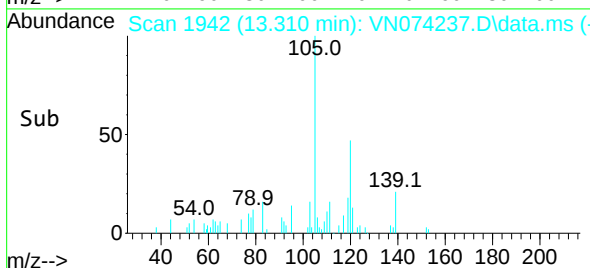
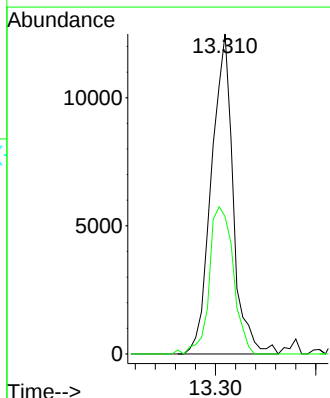
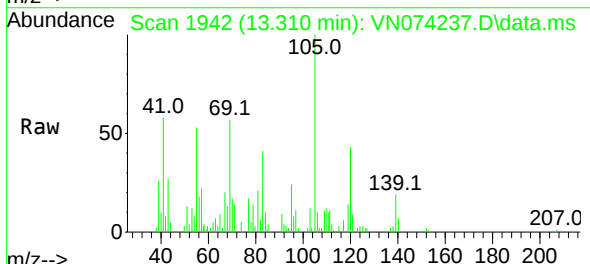
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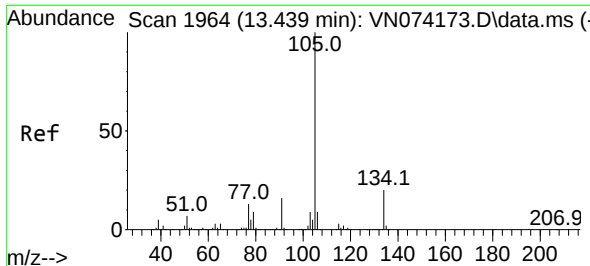
Tgt Ion:119 Resp: 5489
Ion Ratio Lower Upper
119 100
91 33.5 31.6 94.8
134 32.6 13.7 41.1



#84
1,2,4-Trimethylbenzene
Concen: 1.335 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

Tgt Ion:105 Resp: 18788
Ion Ratio Lower Upper
105 100
120 50.8 23.3 69.8

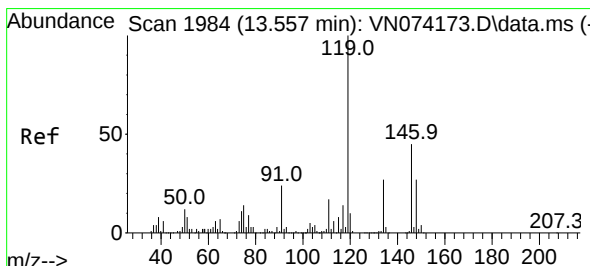
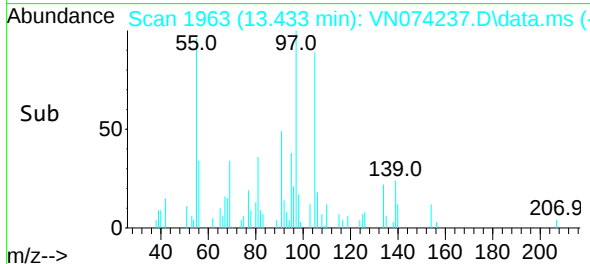
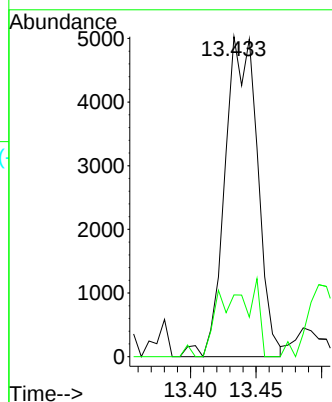
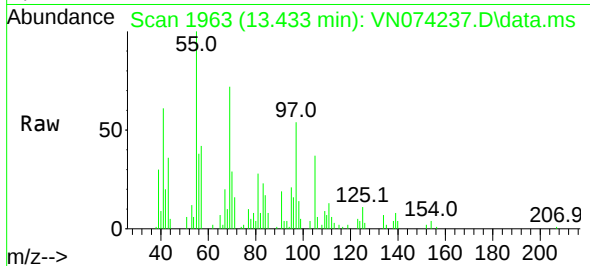




#85
 sec-Butylbenzene
 Concen: 0.495 ug/l
 RT: 13.433 min Scan# 1963
 Delta R.T. -0.006 min
 Lab File: VN074237.D
 Acq: 01 Sep 2022 13:03

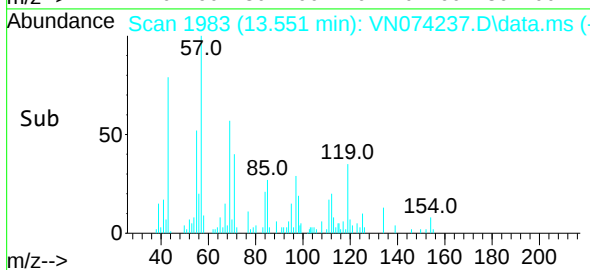
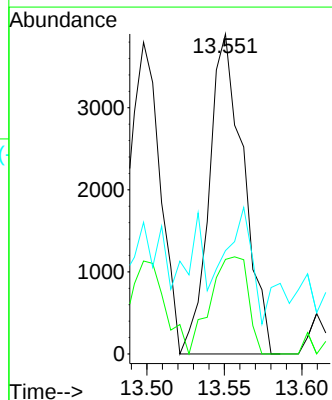
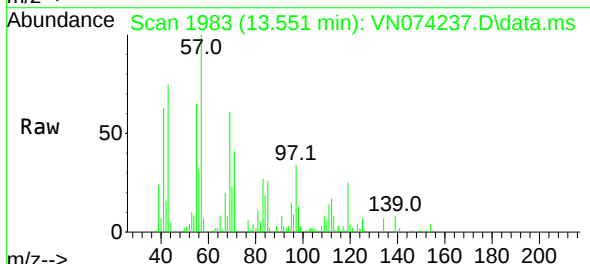
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-PALM-SP-01

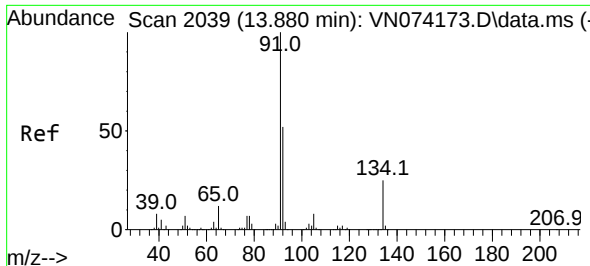
Tgt Ion:105 Resp: 8667
 Ion Ratio Lower Upper
 105 100
 134 24.1 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 0.441 ug/l
 RT: 13.551 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: VN074237.D
 Acq: 01 Sep 2022 13:03

Tgt Ion:119 Resp: 5998
 Ion Ratio Lower Upper
 119 100
 134 33.1 13.3 39.8
 91 24.3 11.3 33.9

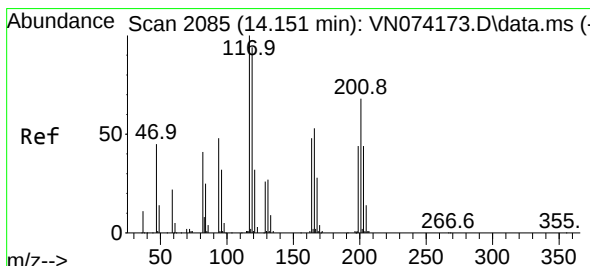
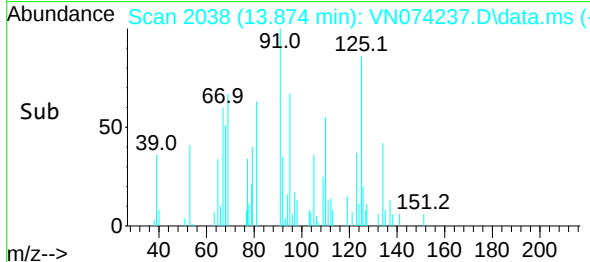
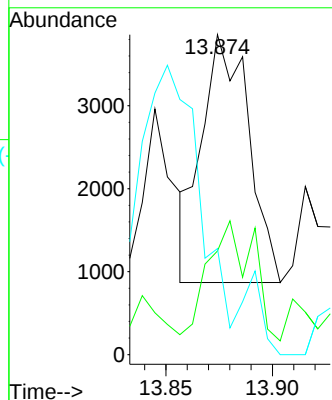
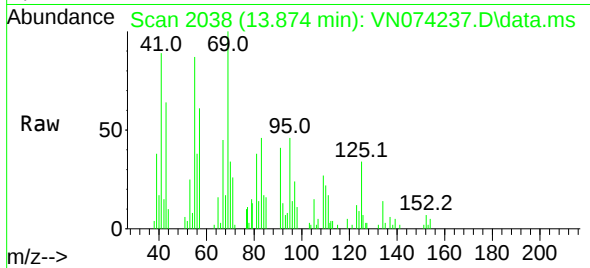




#89
n-Butylbenzene
Concen: 0.386 ug/l
RT: 13.874 min Scan# 2038
Delta R.T. -0.006 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

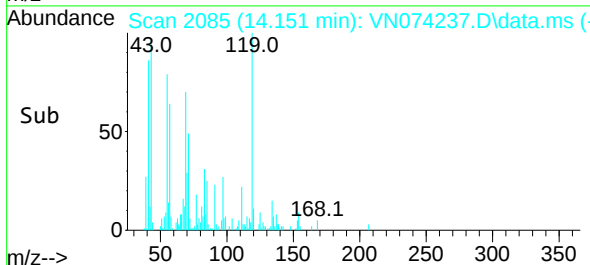
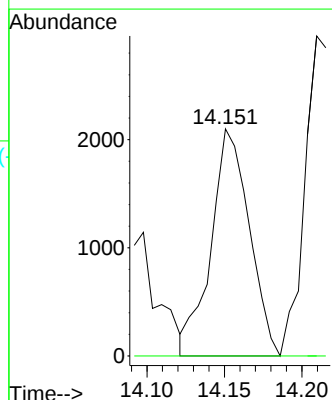
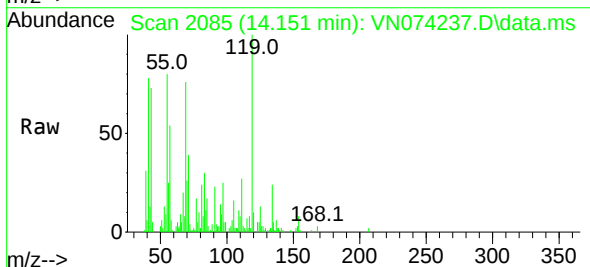
Instrument :
MSVOA_N
ClientSampleId :
WC-PALM-SP-01

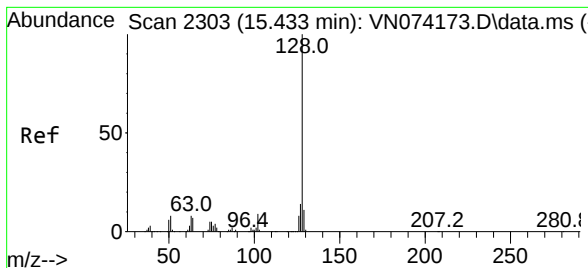
Tgt Ion: 91 Resp: 4571
Ion Ratio Lower Upper
91 100
92 45.9 26.9 80.7
134 0.0 13.6 40.8#



#90
Hexachloroethane
Concen: 1.281 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. -0.000 min
Lab File: VN074237.D
Acq: 01 Sep 2022 13:03

Tgt Ion: 117 Resp: 3595
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#





#95

Naphthalene

Concen: 2.138 ug/l

RT: 15.439 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN074237.D

Acq: 01 Sep 2022 13:03

Instrument :

MSVOA_N

ClientSampleId :

WC-PALM-SP-01

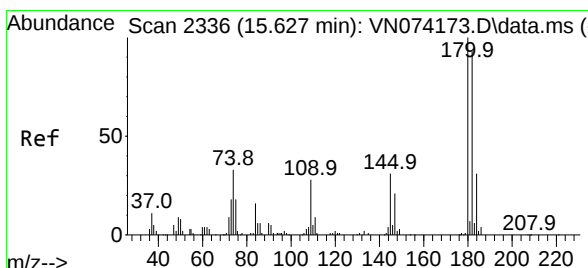
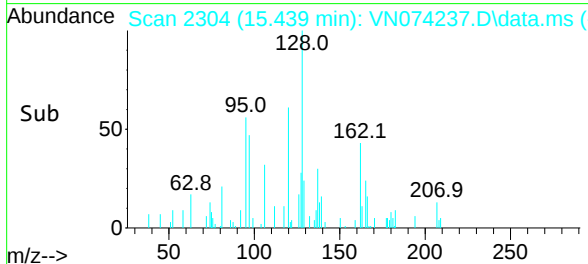
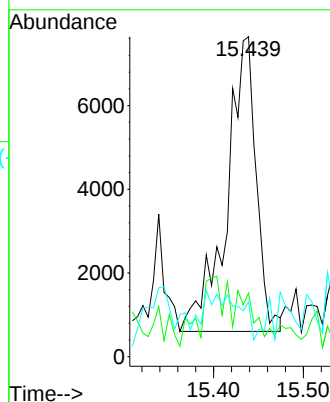
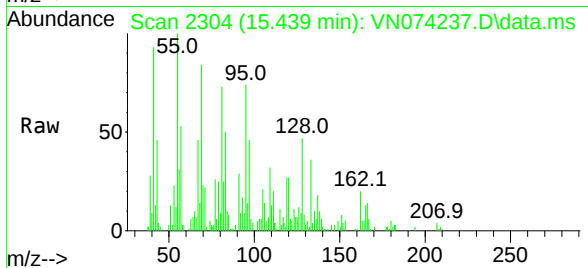
Tgt Ion:128 Resp: 16048

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.400 ug/l

RT: 15.656 min Scan# 2341

Delta R.T. 0.029 min

Lab File: VN074237.D

Acq: 01 Sep 2022 13:03

Tgt Ion:180 Resp: 1597

Ion Ratio Lower Upper

180 100

182 72.3 47.8 143.3

145 0.0 15.5 46.5#

