

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074546.D
 Acq On : 17 Sep 2022 06:34
 Operator : JC\MD
 Sample : N4549-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-62

Quant Time: Sep 17 07:14:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

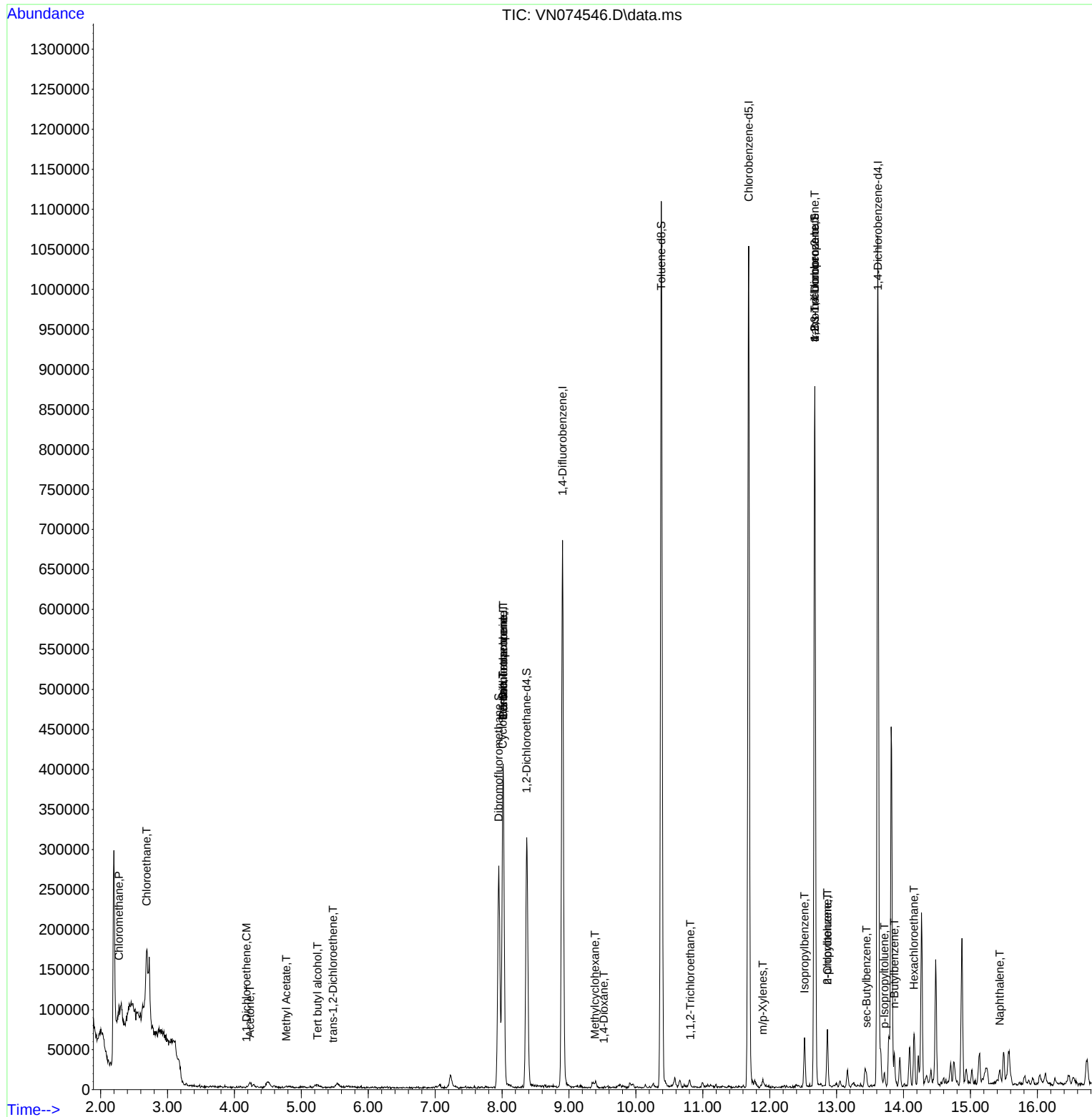
Internal Standards						
1) Pentafluorobenzene	8.016	168	289109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	549042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	546524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	245381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	228861	46.655	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.300%		
35) Dibromofluoromethane	7.951	113	188545	51.696	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.400%		
50) Toluene-d8	10.380	98	706982	50.123	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.240%		
62) 4-Bromofluorobenzene	12.674	95	268038	55.484	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.960%		
Target Compounds						Qvalue
3) Chloromethane	2.275	50	2639	0.754	ug/l #	88
6) Chloroethane	2.687	64	27994	7.236	ug/l #	55
11) Tert butyl alcohol	5.239	59	657	0.411	ug/l #	85
12) 1,1-Dichloroethene	4.181	96	113	0.714	ug/l #	1
16) Acetone	4.234	43	8901	2.836	ug/l #	85
18) Methyl Acetate	4.775	43	2021	0.207	ug/l #	82
21) trans-1,2-Dichloroethene	5.475	96	158	0.466	ug/l #	1
31) Cyclohexane	8.010	56	9685	1.112	ug/l #	75
36) 1,1-Dichloropropene	8.016	75	27145	4.205	ug/l #	48
38) Carbon Tetrachloride	8.016	117	29634	4.972	ug/l #	15
39) Methylcyclohexane	9.386	83	1693	0.221	ug/l #	32
49) 1,4-Dioxane	9.521	88	186	1.397	ug/l #	27
55) 1,1,2-Trichloroethane	10.816	97	1100	0.222	ug/l #	16
68) m/p-Xylenes	11.898	106	2807	0.301	ug/l	95
73) Isopropylbenzene	12.521	105	34467	1.372	ug/l	96
76) 1,2,3-Trichloropropane	12.674	75	161393	21.368	ug/l #	1
78) n-propylbenzene	12.862	91	53608	1.791	ug/l	96
79) 2-Chlorotoluene	12.862	91	53608	3.001	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.674	75	161393	46.119	ug/l #	10
85) sec-Butylbenzene	13.445	105	11194	0.437	ug/l #	74
86) p-Isopropyltoluene	13.715	119	7924	0.397	ug/l	95
89) n-Butylbenzene	13.862	91	6001	0.334	ug/l #	15
90) Hexachloroethane	14.156	117	4052	0.933	ug/l #	9
95) Naphthalene	15.439	128	16063	2.329	ug/l	98

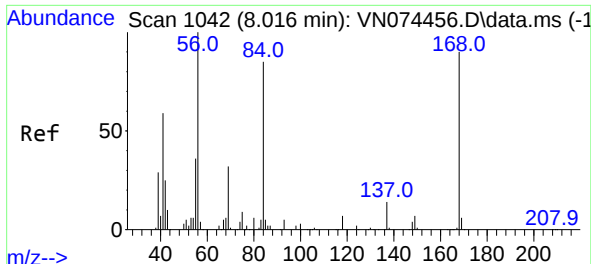
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 17 07:14:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

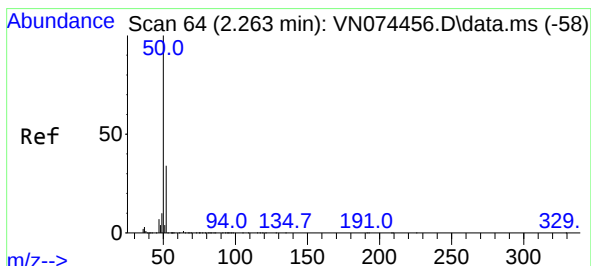
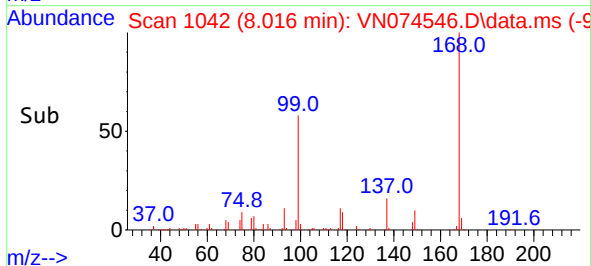
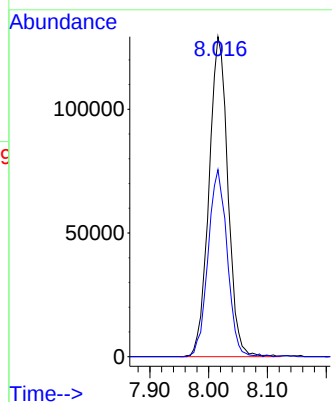
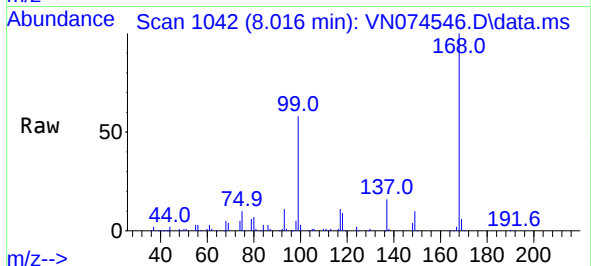




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

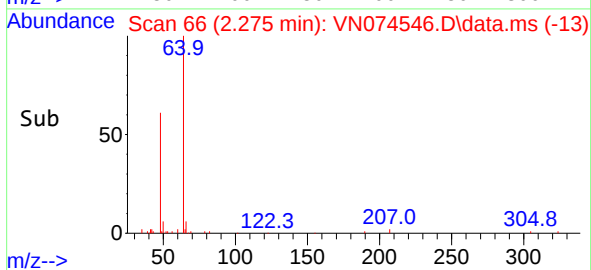
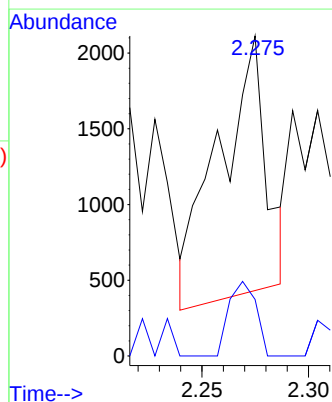
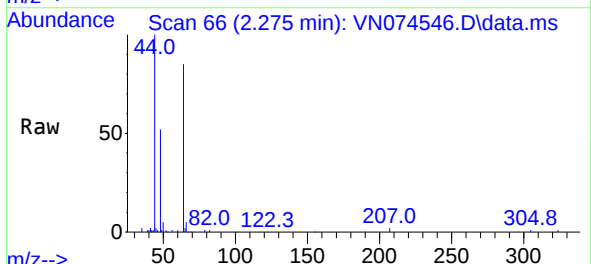
Instrument :
MSVOA_N
ClientSampleId :
MW-62

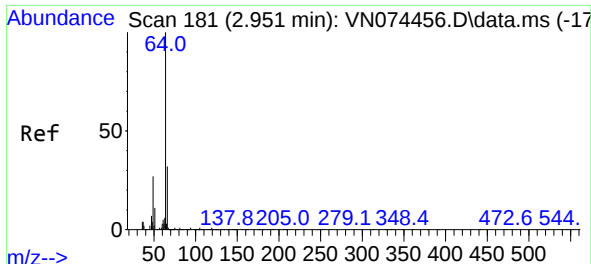
Tgt Ion:168 Resp: 289109
Ion Ratio Lower Upper
168 100
99 58.5 42.3 63.5



#3
Chloromethane
Concen: 0.754 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.012 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Tgt Ion: 50 Resp: 2639
Ion Ratio Lower Upper
50 100
52 25.3 25.7 38.5#

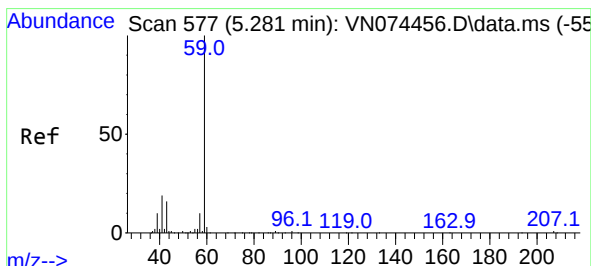
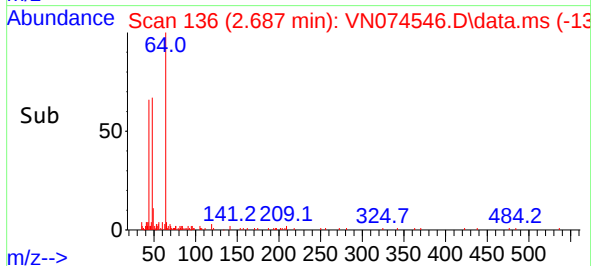
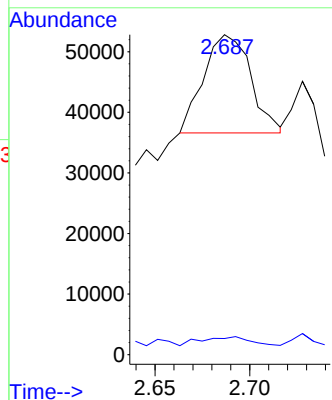
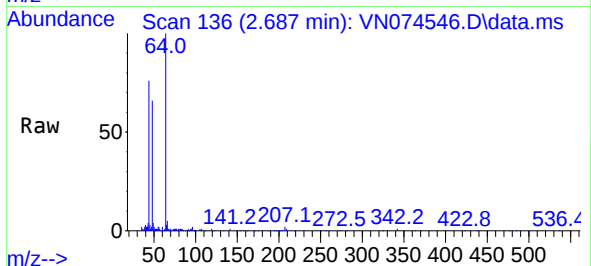




#6
Chloroethane
Concen: 7.236 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

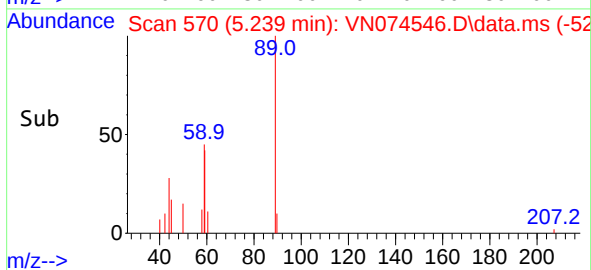
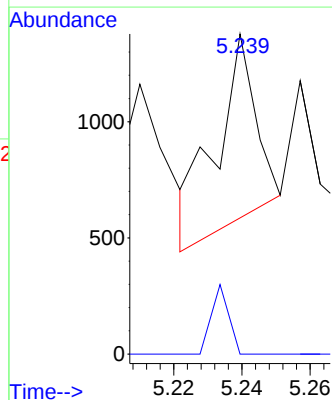
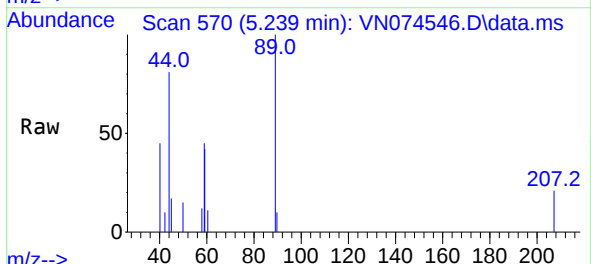
Instrument :
MSVOA_N
ClientSampleId :
MW-62

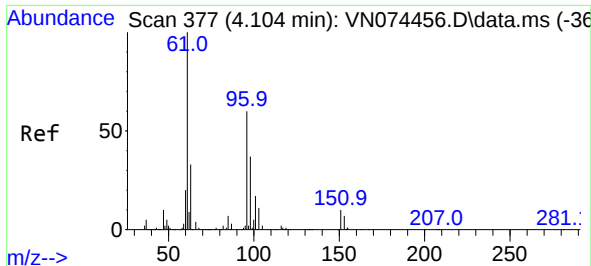
Tgt Ion: 64 Resp: 27994
Ion Ratio Lower Upper
64 100
66 7.3 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.411 ug/l
RT: 5.239 min Scan# 570
Delta R.T. -0.042 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Tgt Ion: 59 Resp: 657
Ion Ratio Lower Upper
59 100
57 16.1 8.3 12.5#

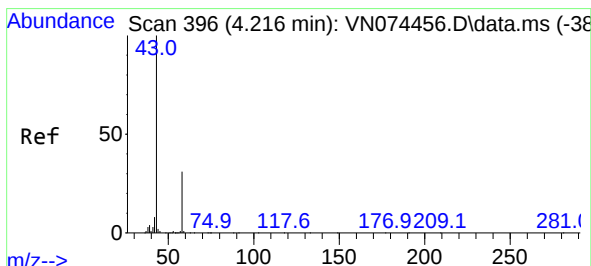
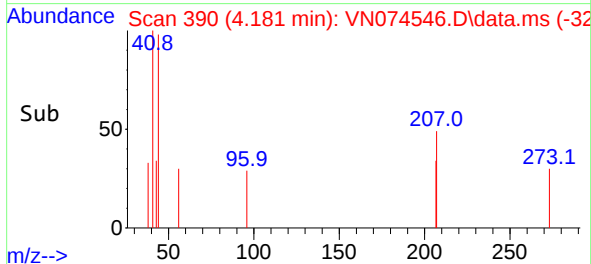
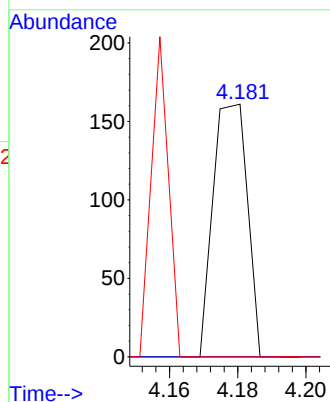
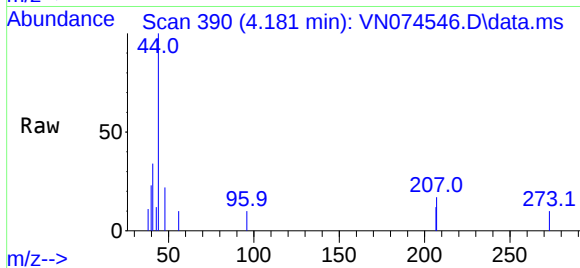




#12
1,1-Dichloroethene
Concen: 0.714 ug/l
RT: 4.181 min Scan# 390
Delta R.T. 0.077 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

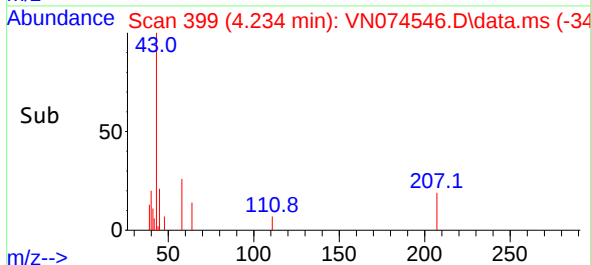
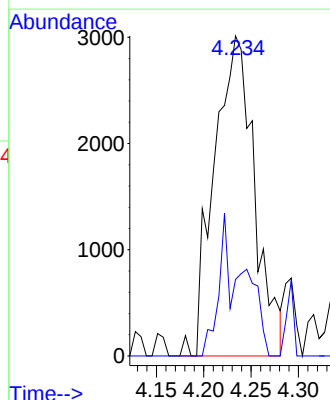
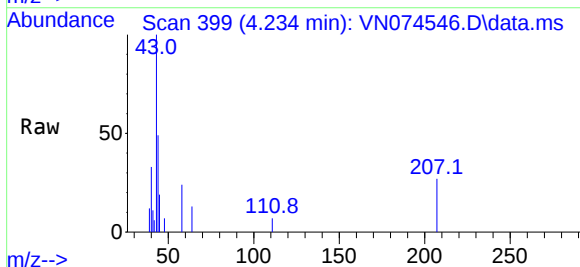
Instrument :
MSVOA_N
ClientSampleId :
MW-62

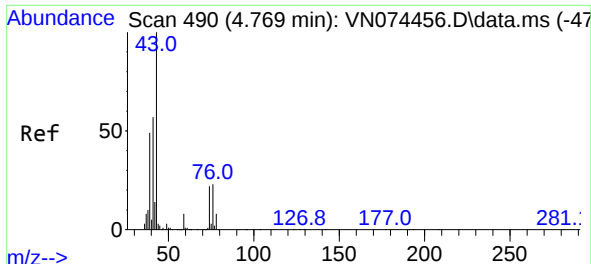
Tgt Ion: 96 Resp: 113
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#16
Acetone
Concen: 2.836 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.018 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Tgt Ion: 43 Resp: 8901
Ion Ratio Lower Upper
43 100
58 23.9 26.0 39.0#





#18

Methyl Acetate

Concen: 0.207 ug/l

RT: 4.775 min Scan# 491

Delta R.T. 0.006 min

Lab File: VN074546.D

Acq: 17 Sep 2022 06:34

Instrument :

MSVOA_N

ClientSampleId :

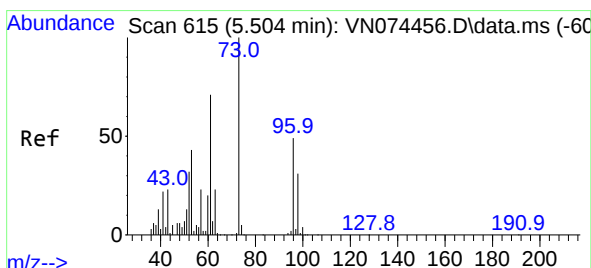
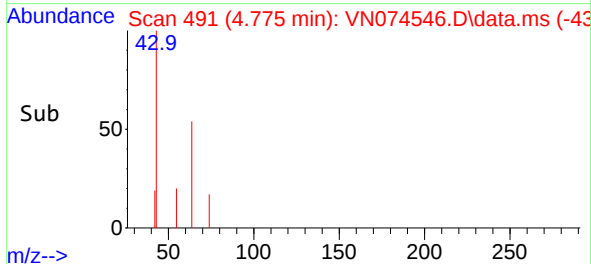
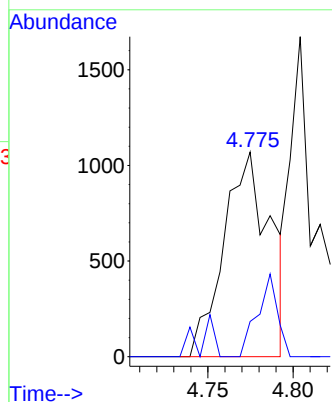
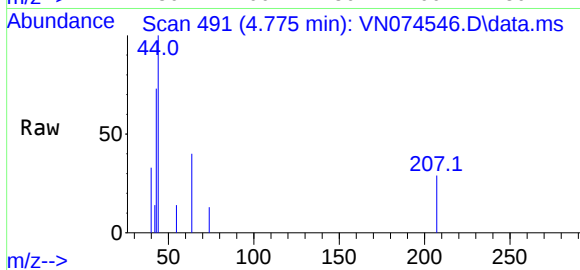
MW-62

Tgt Ion: 43 Resp: 2021

Ion Ratio Lower Upper

43 100

74 17.6 21.6 32.4#



#21

trans-1,2-Dichloroethene

Concen: 0.466 ug/l

RT: 5.475 min Scan# 610

Delta R.T. -0.029 min

Lab File: VN074546.D

Acq: 17 Sep 2022 06:34

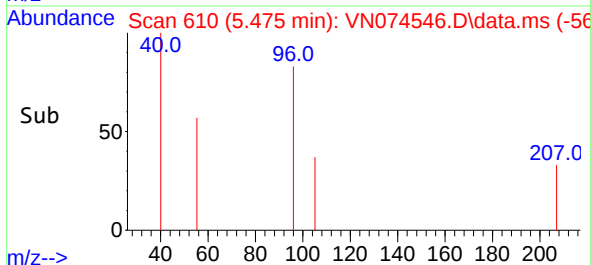
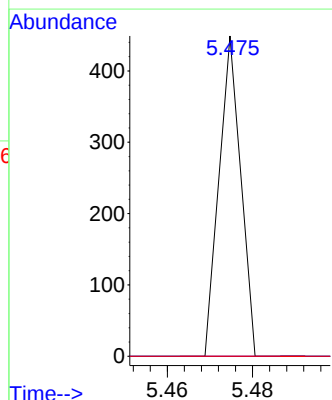
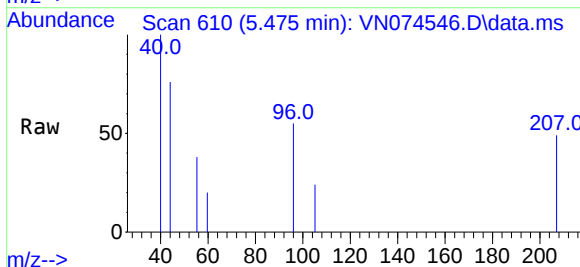
Tgt Ion: 96 Resp: 158

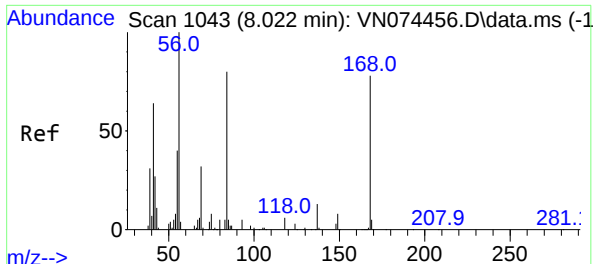
Ion Ratio Lower Upper

96 100

61 0.0 105.8 158.8#

98 0.0 50.3 75.5#





#31

Cyclohexane

Concen: 1.112 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN074546.D

Acq: 17 Sep 2022 06:34

Instrument :

MSVOA_N

ClientSampleId :

MW-62

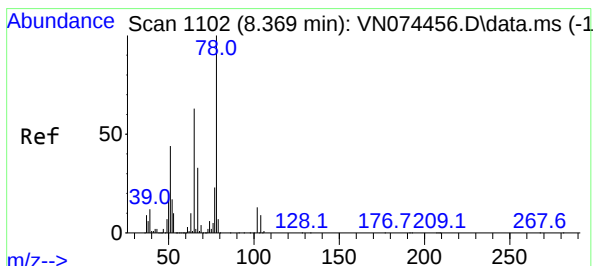
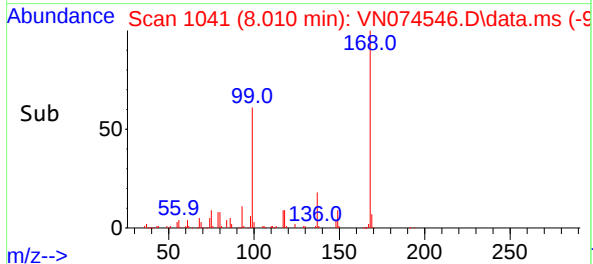
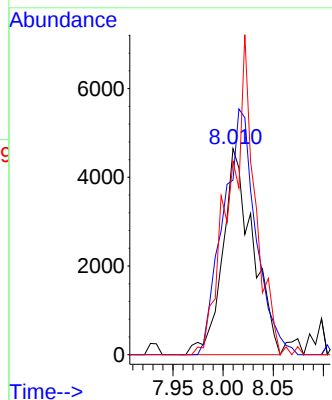
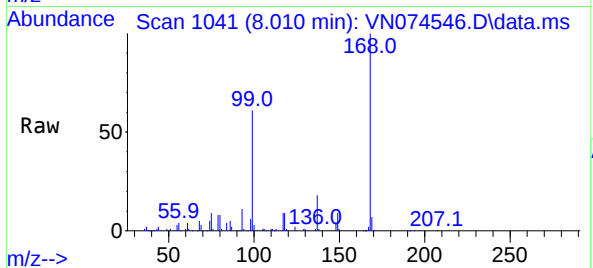
Tgt Ion: 56 Resp: 9685

Ion Ratio Lower Upper

56 100

69 84.7 27.8 41.8#

84 94.0 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 46.655 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074546.D

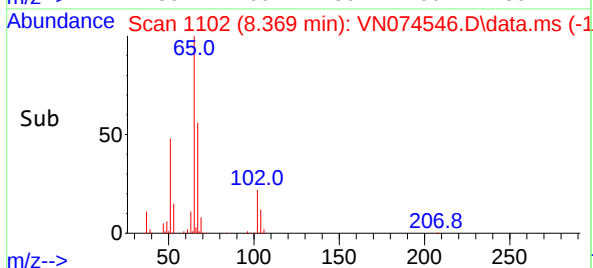
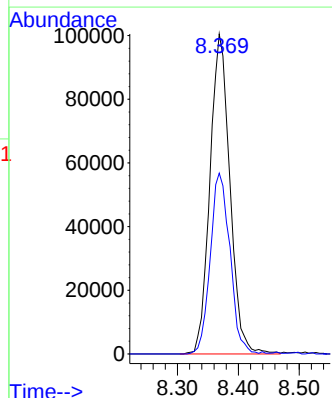
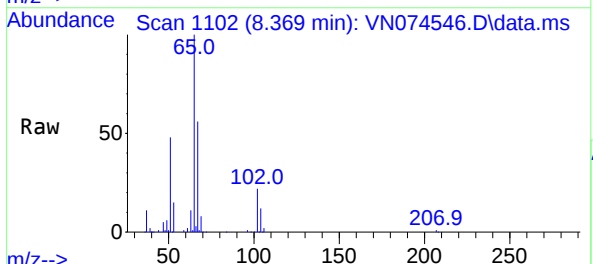
Acq: 17 Sep 2022 06:34

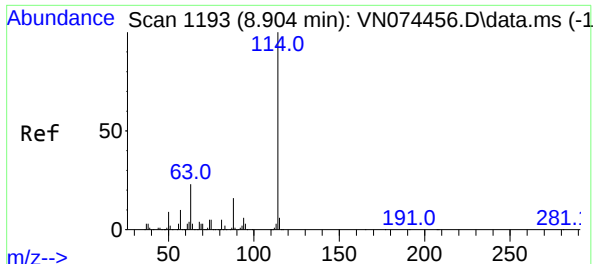
Tgt Ion: 65 Resp: 228861

Ion Ratio Lower Upper

65 100

67 55.6 0.0 104.8



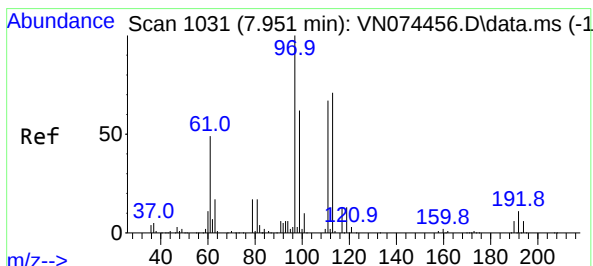
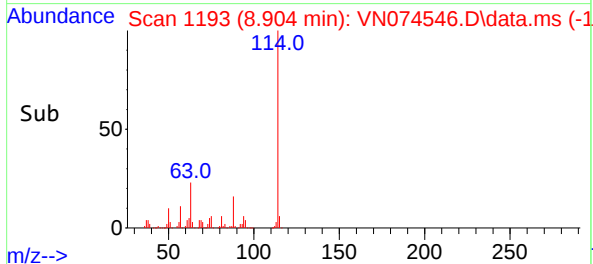
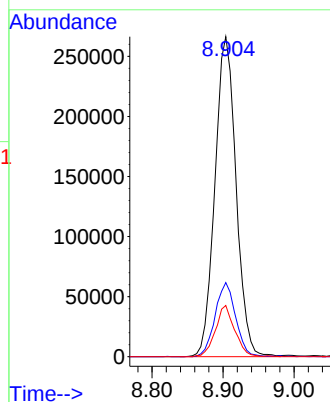
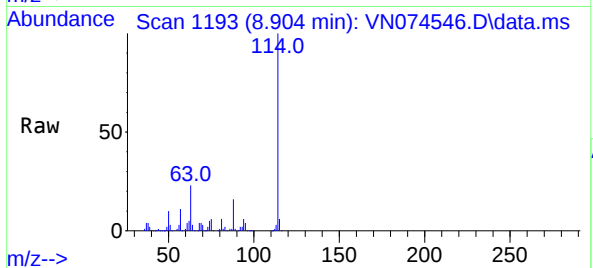


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Instrument :
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ClientSampleId :
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Tgt Ion:114 Resp: 549042

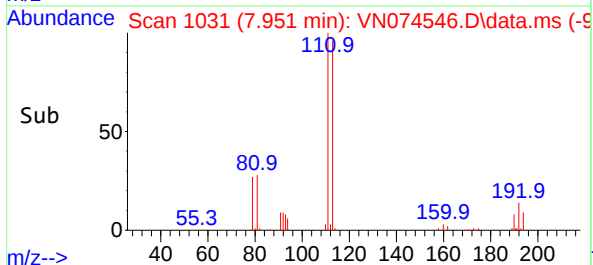
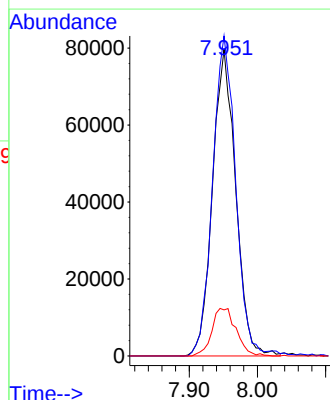
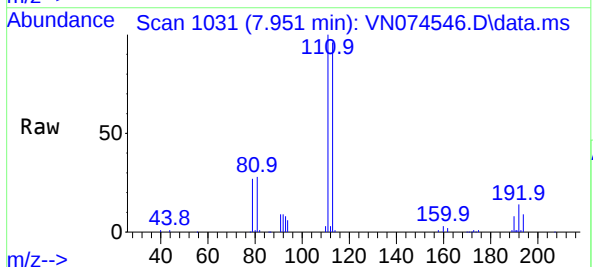
Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	40.0
88	16.0	0.0	32.6

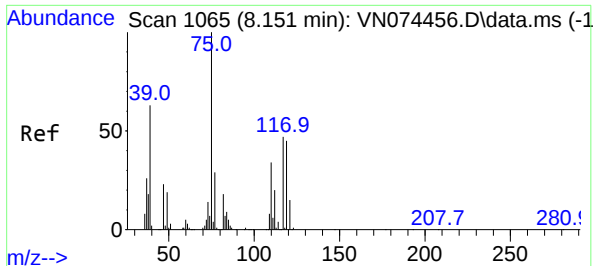


#35
Dibromofluoromethane
Concen: 51.696 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Tgt Ion:113 Resp: 188545

Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.4	122.0
192	16.3	17.0	25.6

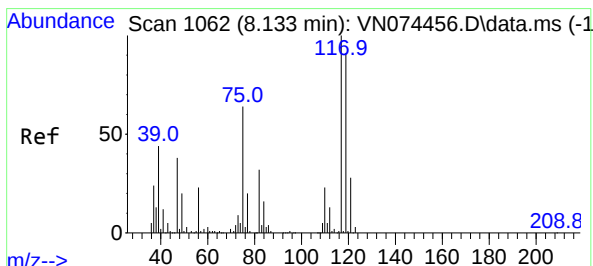
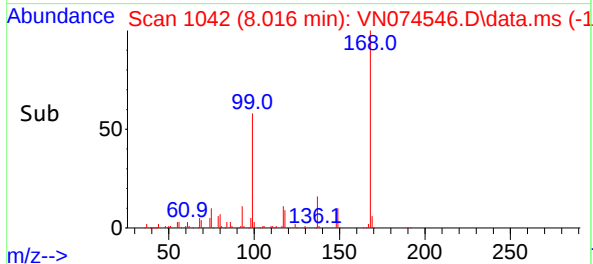
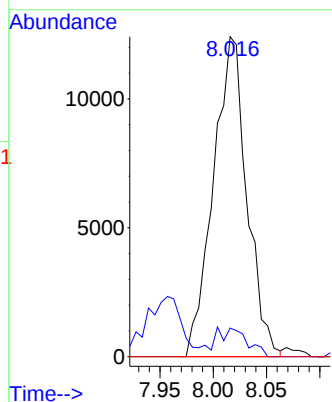
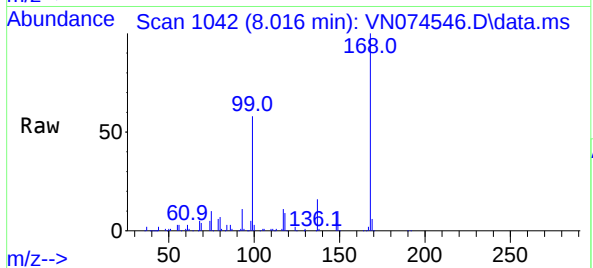




#36
1,1-Dichloropropene
Concen: 4.205 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

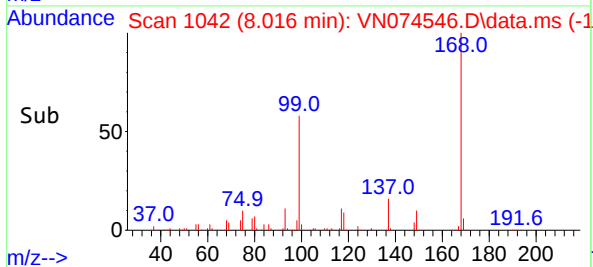
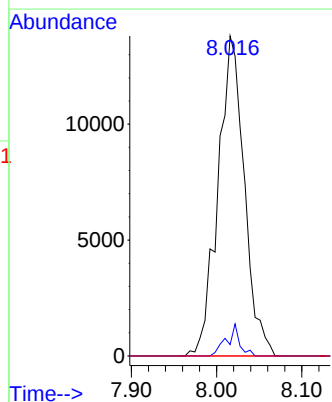
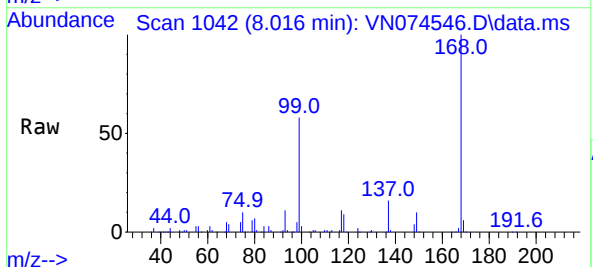
Instrument :
MSVOA_N
ClientSampleId :
MW-62

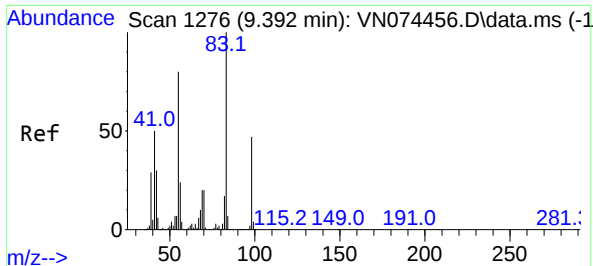
Tgt Ion: 75 Resp: 27145
Ion Ratio Lower Upper
75 100
110 8.7 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 4.972 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Tgt Ion: 117 Resp: 29634
Ion Ratio Lower Upper
117 100
119 3.5 75.8 113.8#
121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 0.221 ug/l

RT: 9.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN074546.D

Acq: 17 Sep 2022 06:34

Instrument :

MSVOA_N

ClientSampleId :

MW-62

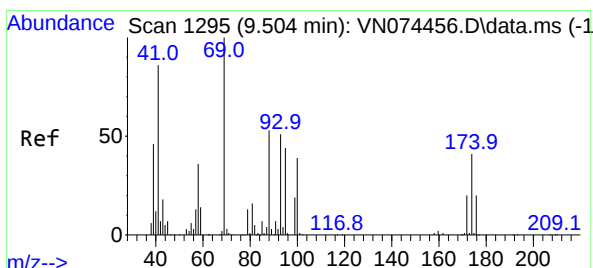
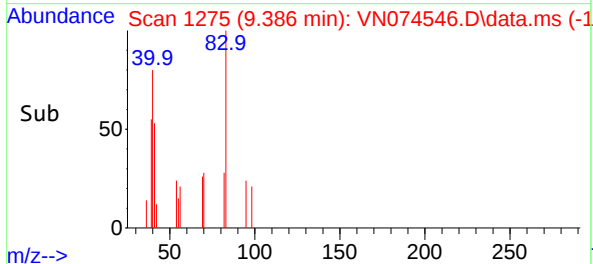
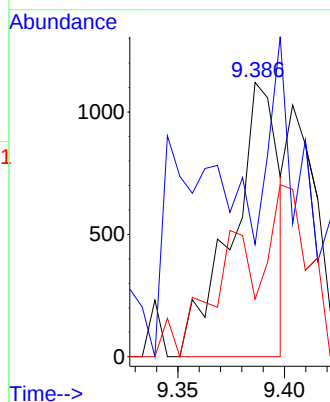
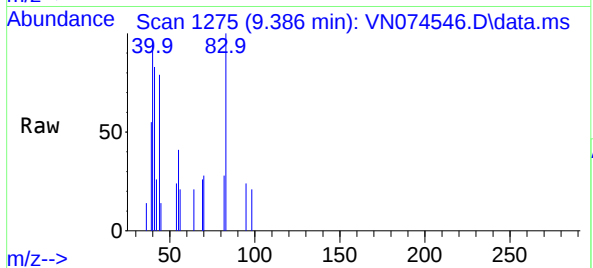
Tgt Ion: 83 Resp: 1693

Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 21.0 39.4 59.2#



#49

1,4-Dioxane

Concen: 1.397 ug/l

RT: 9.521 min Scan# 1298

Delta R.T. 0.018 min

Lab File: VN074546.D

Acq: 17 Sep 2022 06:34

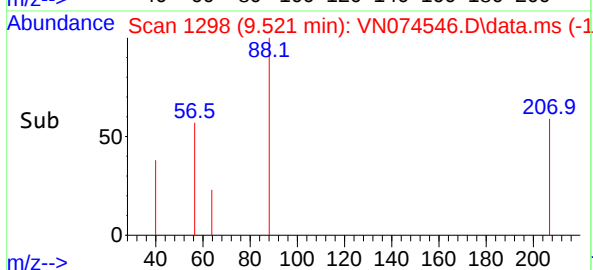
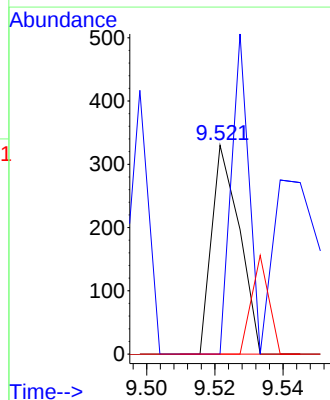
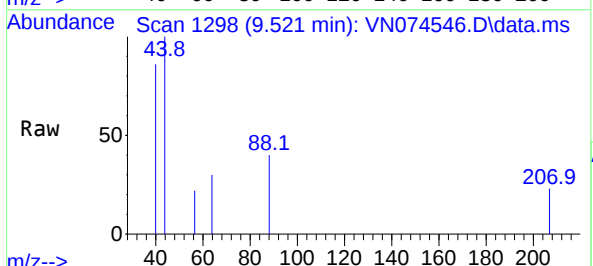
Tgt Ion: 88 Resp: 186

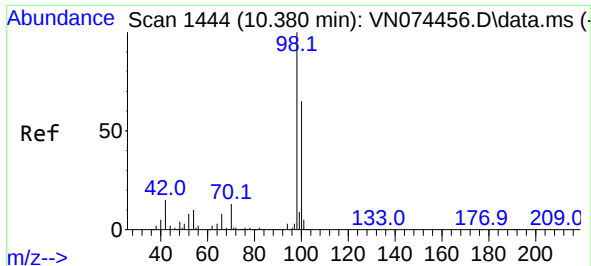
Ion Ratio Lower Upper

88 100

43 96.2 20.2 30.4#

58 29.6 54.2 81.4#

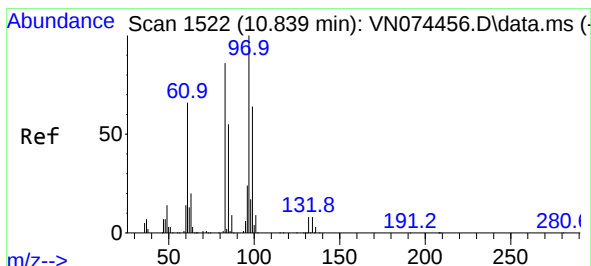
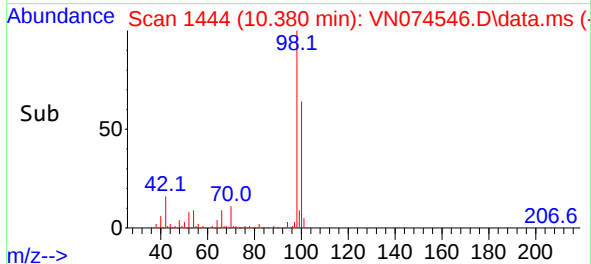
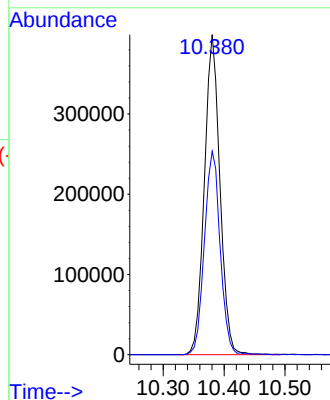
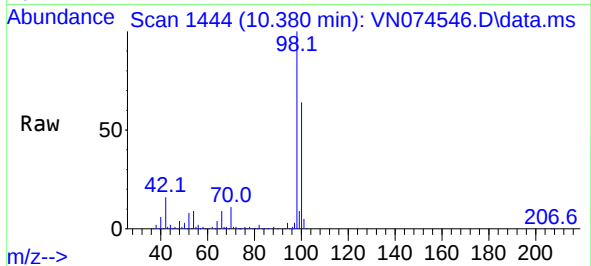




#50
Toluene-d8
Concen: 50.123 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

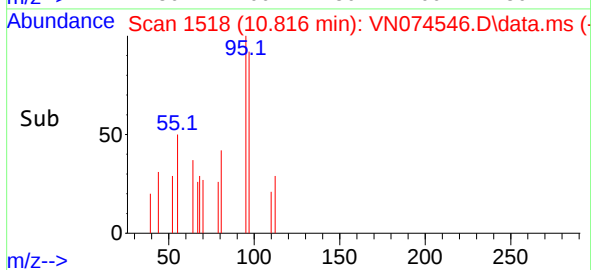
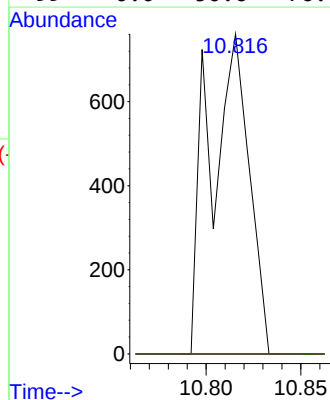
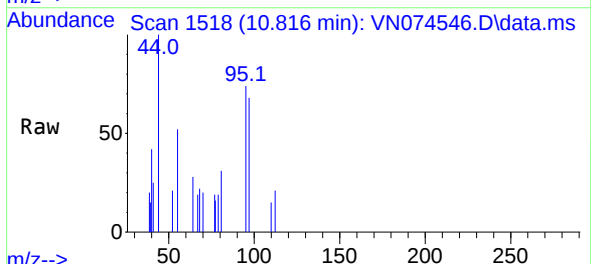
Instrument :
MSVOA_N
ClientSampleId :
MW-62

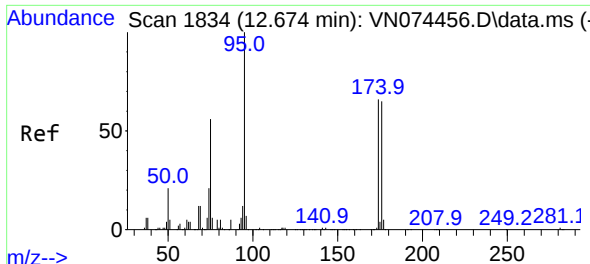
Tgt Ion: 98 Resp: 706982
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#55
1,1,2-Trichloroethane
Concen: 0.222 ug/l
RT: 10.816 min Scan# 1518
Delta R.T. -0.023 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Tgt Ion: 97 Resp: 1100
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#

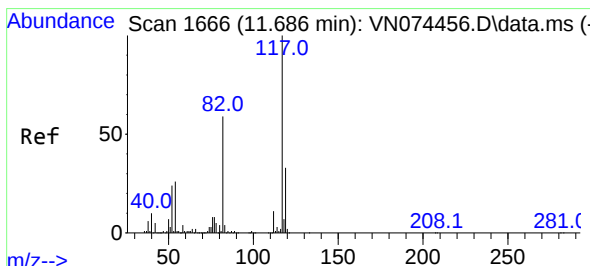
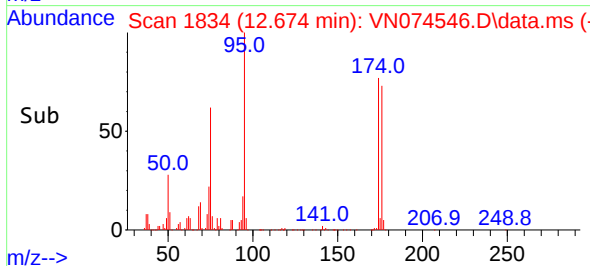
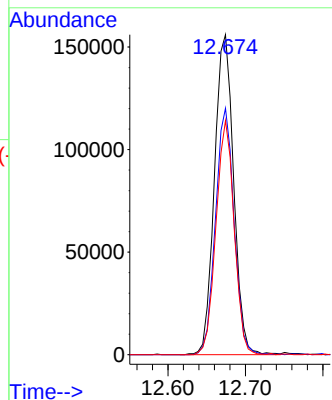
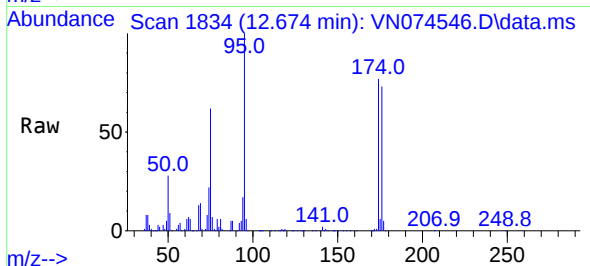




#62
4-Bromofluorobenzene
Concen: 55.484 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

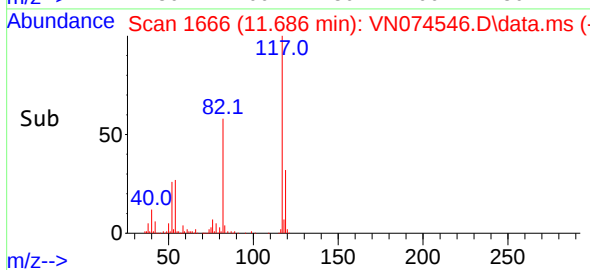
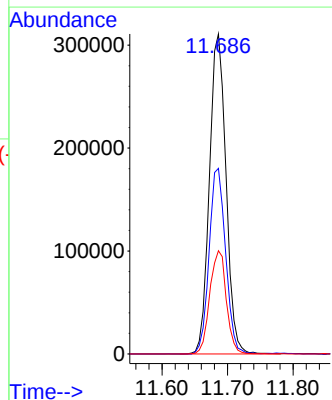
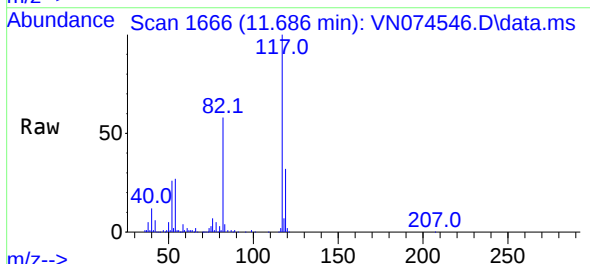
Instrument :
MSVOA_N
ClientSampleId :
MW-62

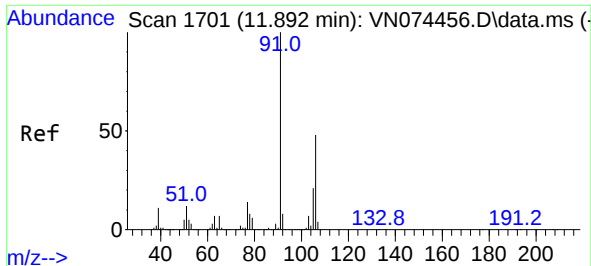
Tgt Ion: 95 Resp: 268038
Ion Ratio Lower Upper
95 100
174 74.8 0.0 167.6
176 69.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Tgt Ion: 117 Resp: 546524
Ion Ratio Lower Upper
117 100
82 58.0 44.2 66.2
119 32.2 25.4 38.0

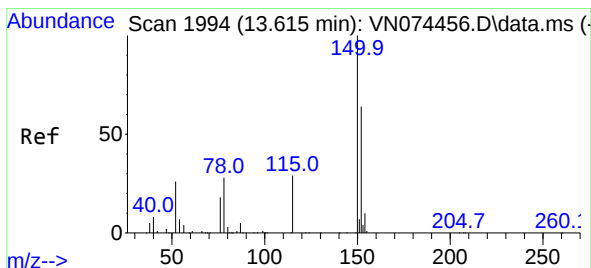
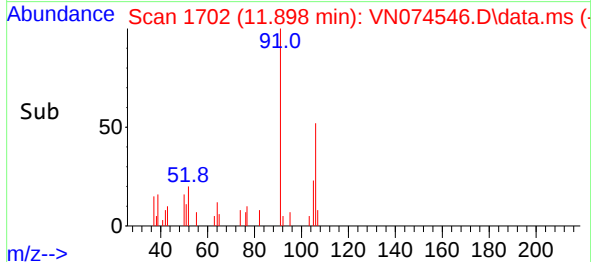
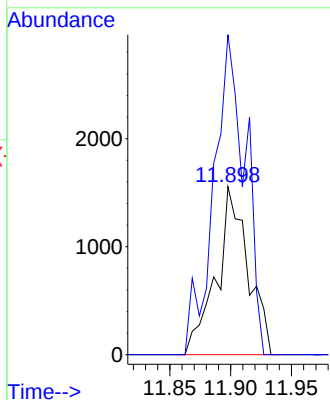
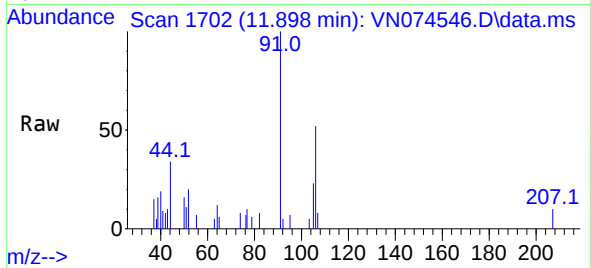




#68
m/p-Xylenes
Concen: 0.301 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

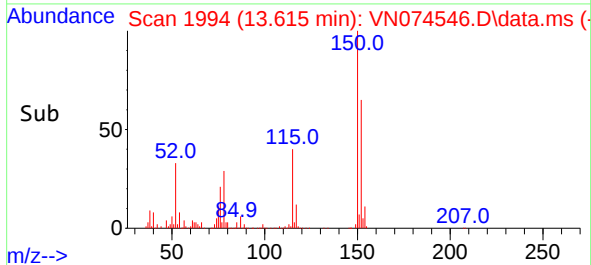
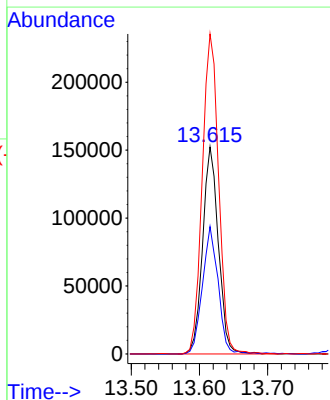
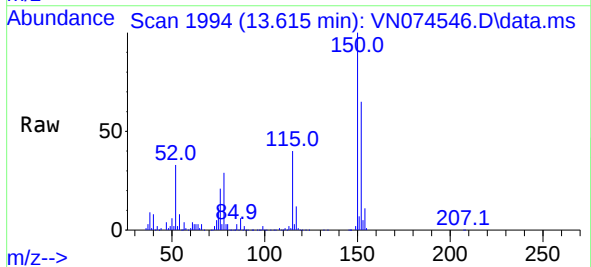
Instrument :
MSVOA_N
ClientSampleId :
MW-62

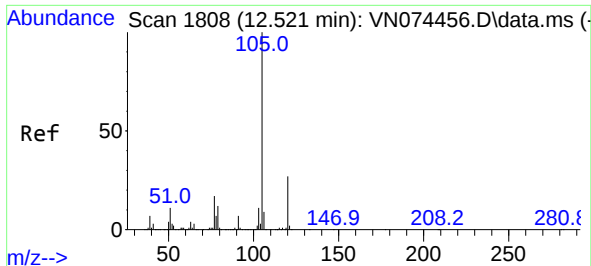
Tgt Ion:106 Resp: 2807
Ion Ratio Lower Upper
106 100
91 191.3 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Tgt Ion:152 Resp: 245381
Ion Ratio Lower Upper
152 100
115 61.2 28.9 86.7
150 160.7 0.0 356.2

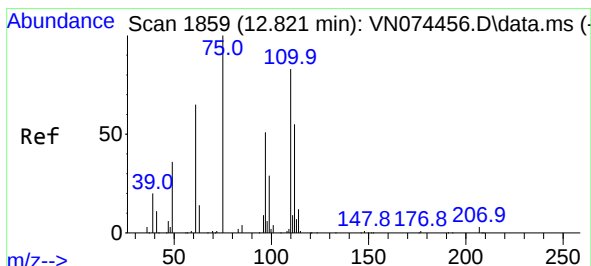
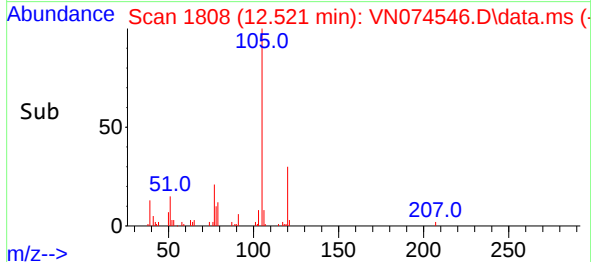
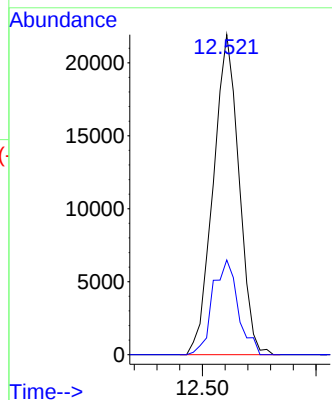
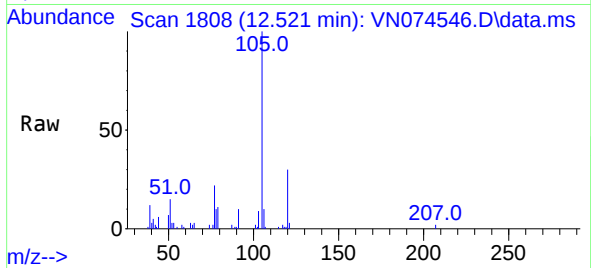




#73
Isopropylbenzene
Concen: 1.372 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

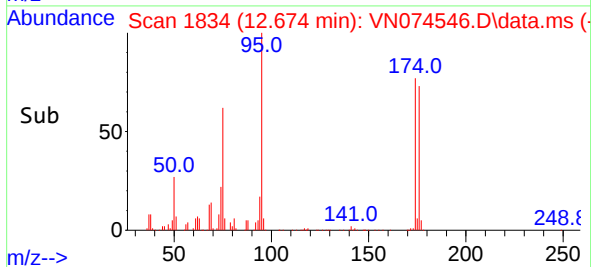
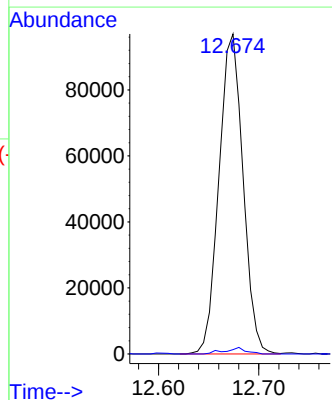
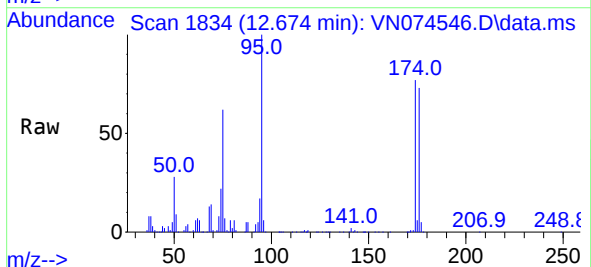
Instrument :
MSVOA_N
ClientSampleId :
MW-62

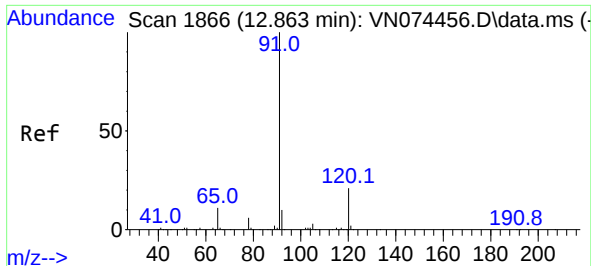
Tgt Ion:105 Resp: 34467
Ion Ratio Lower Upper
105 100
120 29.1 13.5 40.4



#76
1,2,3-Trichloropropane
Concen: 21.368 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Tgt Ion: 75 Resp: 161393
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#

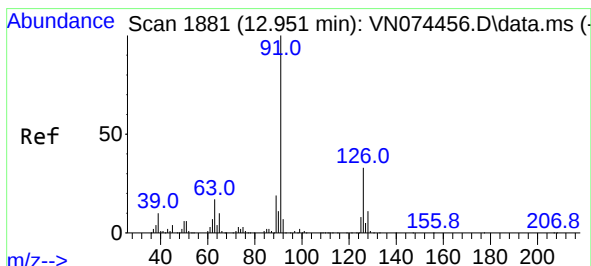
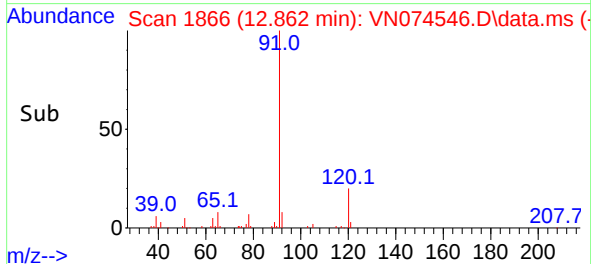
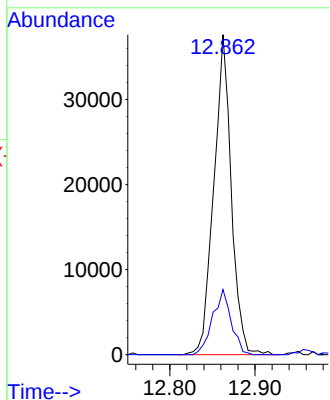
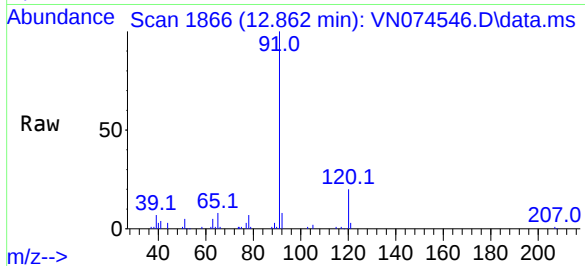




#78
n-propylbenzene
Concen: 1.791 ug/l
RT: 12.862 min Scan# 1866
Delta R.T. -0.001 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

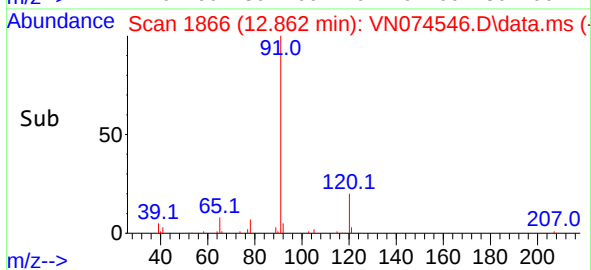
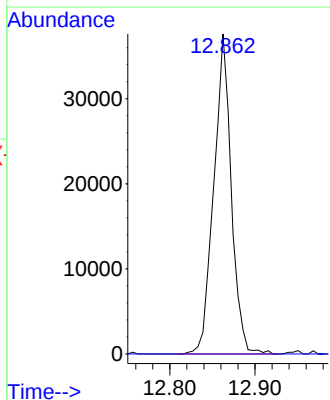
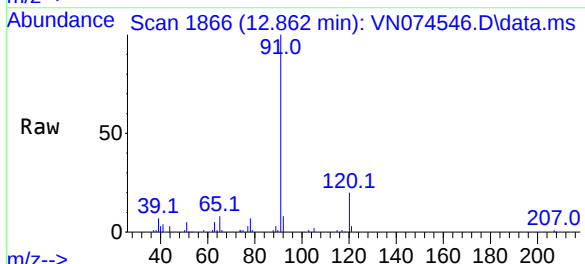
Instrument :
MSVOA_N
ClientSampleId :
MW-62

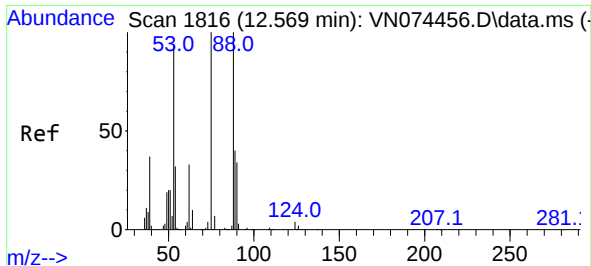
Tgt Ion: 91 Resp: 53608
Ion Ratio Lower Upper
91 100
120 21.6 11.9 35.5



#79
2-Chlorotoluene
Concen: 3.001 ug/l
RT: 12.862 min Scan# 1866
Delta R.T. -0.089 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Tgt Ion: 91 Resp: 53608
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#

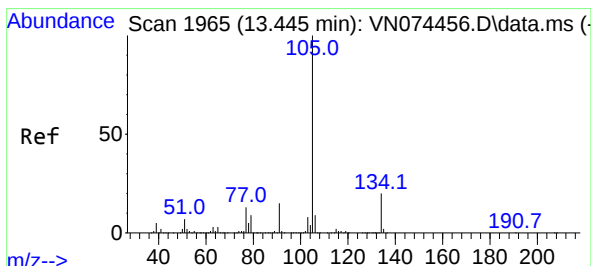
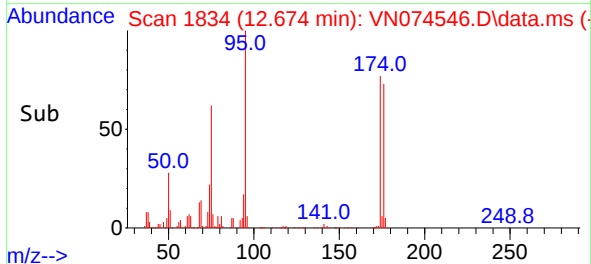
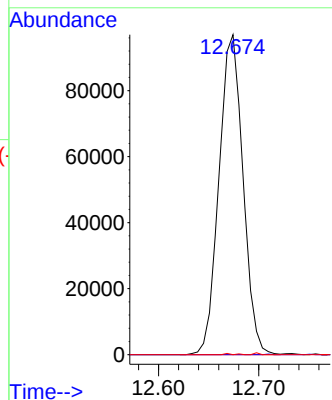
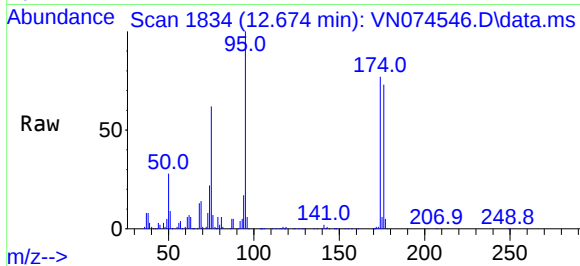




#81
trans-1,4-Dichloro-2-butene
Concen: 46.119 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

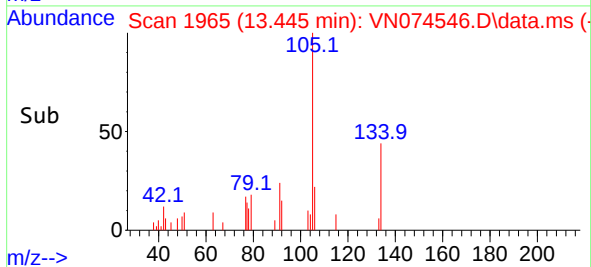
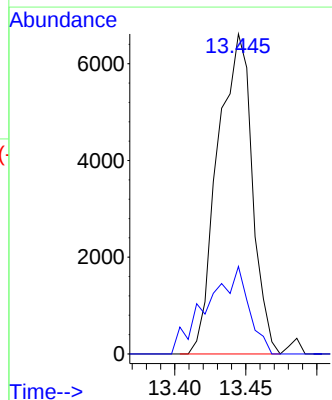
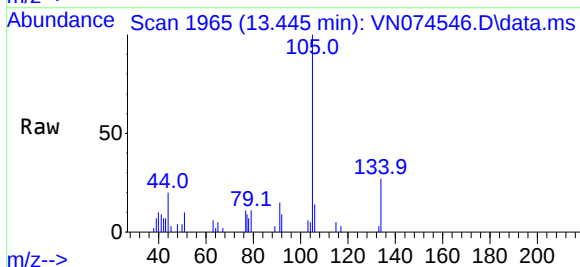
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MSVOA_N
ClientSampleId :
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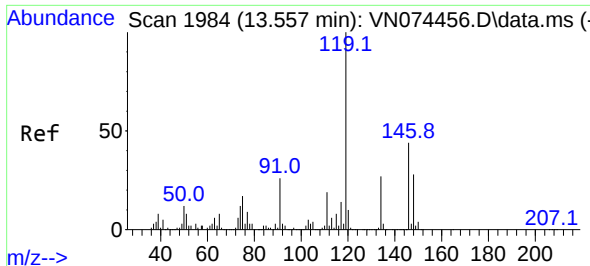
Tgt Ion: 75 Resp: 161393
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#85
sec-Butylbenzene
Concen: 0.437 ug/l
RT: 13.445 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Tgt Ion:105 Resp: 11194
Ion Ratio Lower Upper
105 100
134 33.0 10.4 31.1#

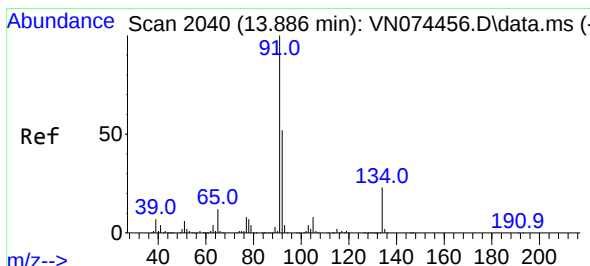
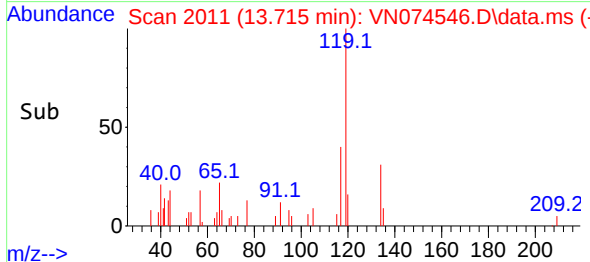
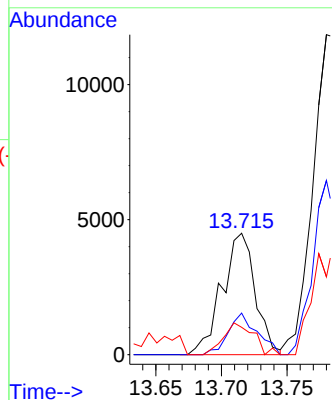
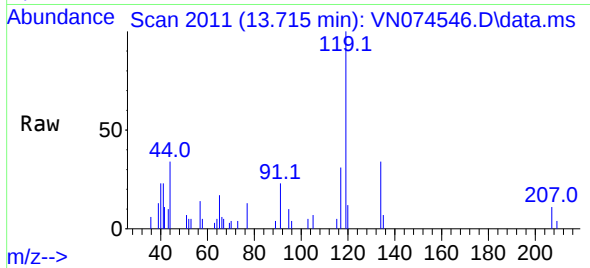




#86
p-Isopropyltoluene
Concen: 0.397 ug/l
RT: 13.715 min Scan# 2011
Delta R.T. 0.158 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

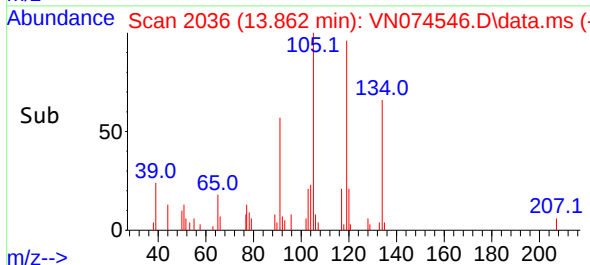
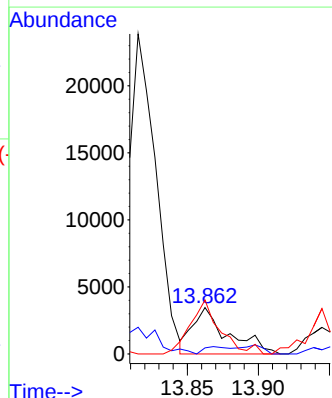
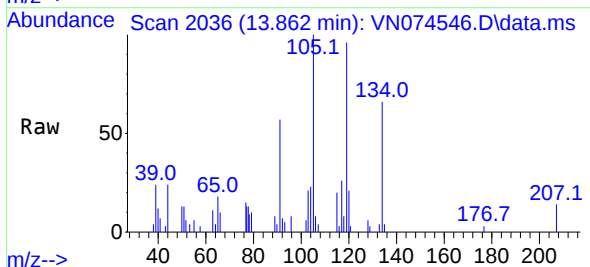
Instrument :
MSVOA_N
ClientSampleId :
MW-62

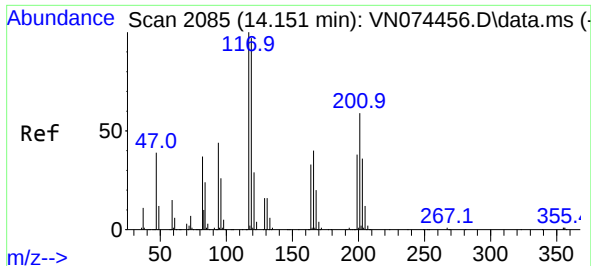
Tgt Ion:119 Resp: 7924
Ion Ratio Lower Upper
119 100
134 29.8 13.3 39.8
91 24.0 11.3 33.9



#89
n-Butylbenzene
Concen: 0.334 ug/l
RT: 13.862 min Scan# 2036
Delta R.T. -0.024 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Tgt Ion: 91 Resp: 6001
Ion Ratio Lower Upper
91 100
92 11.1 26.9 80.7#
134 98.1 13.6 40.8#

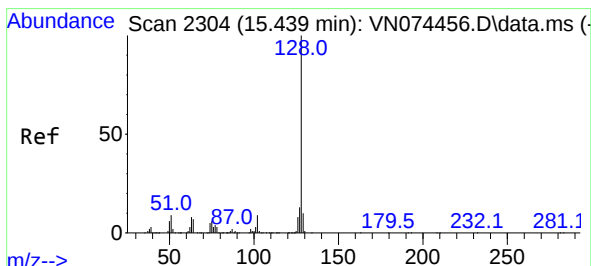
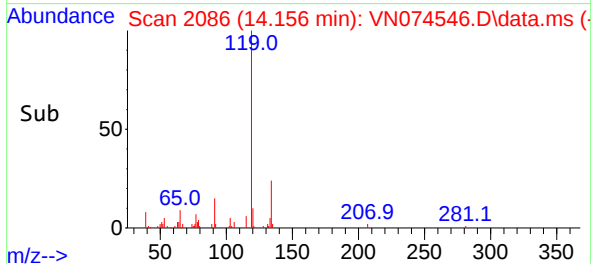
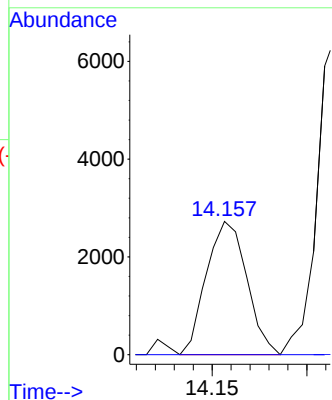
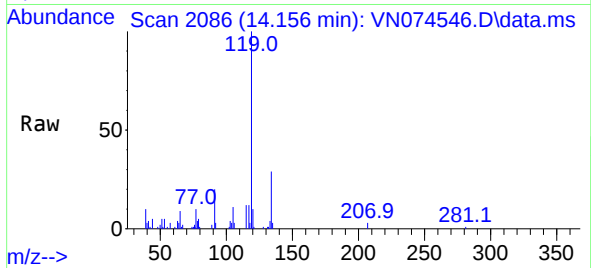




#90
Hexachloroethane
Concen: 0.933 ug/l
RT: 14.156 min Scan# 2085
Delta R.T. 0.005 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Instrument :
MSVOA_N
ClientSampleId :
MW-62

Tgt Ion:117 Resp: 4052
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 2.329 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN074546.D
Acq: 17 Sep 2022 06:34

Tgt Ion:128 Resp: 16063
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 11.6 8.6 13.0

