

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074520.D
 Acq On : 16 Sep 2022 19:15
 Operator : JC\MD
 Sample : N4628-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HW-8

Quant Time: Sep 16 22:35:27 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

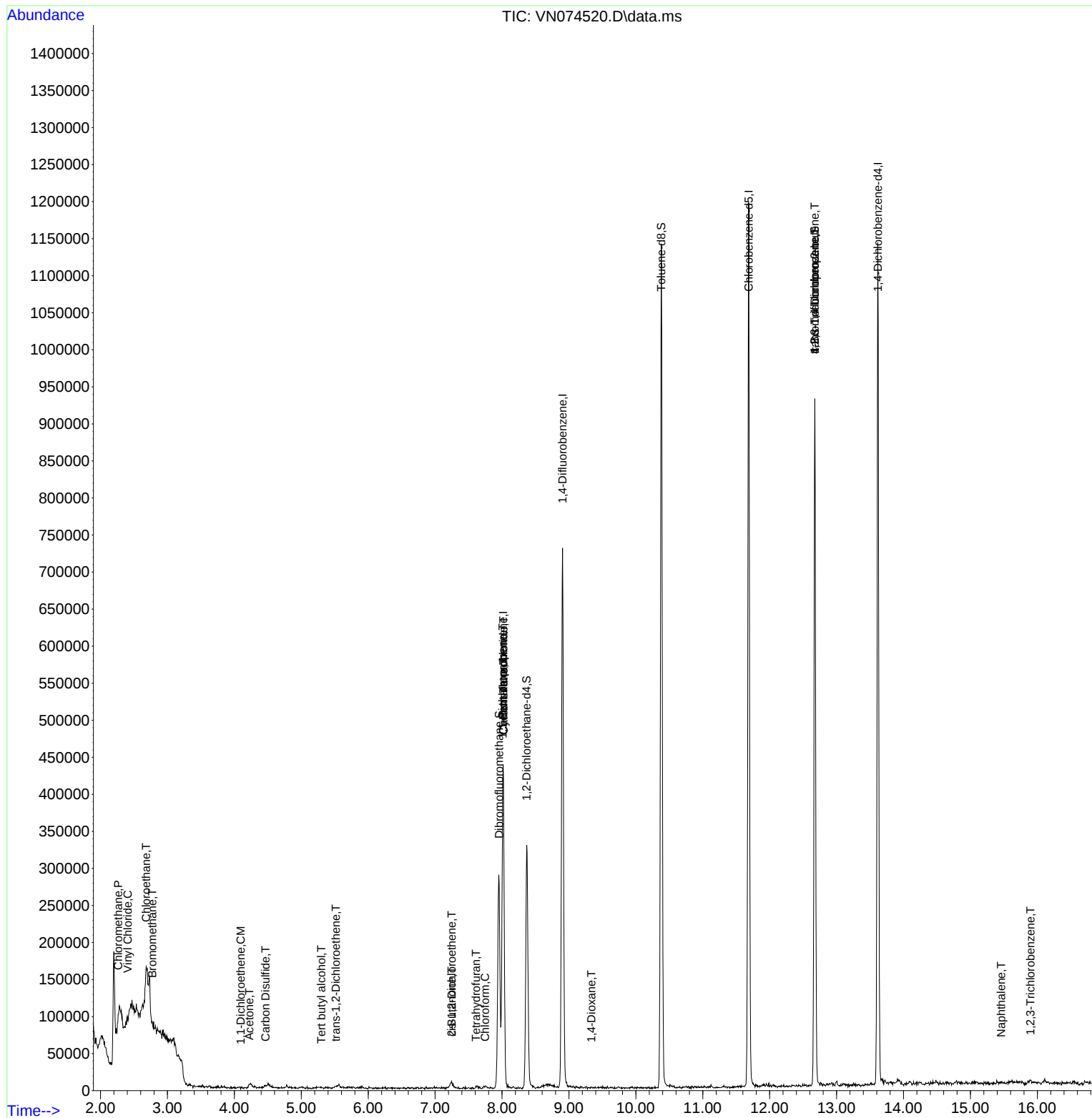
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	309848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	597531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	593684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	265423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	251926	47.919	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.840%
35) Dibromofluoromethane	7.957	113	200247	50.449	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.900%
50) Toluene-d8	10.381	98	740375	48.231	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.460%
62) 4-Bromofluorobenzene	12.674	95	287171	54.621	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.240%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	4892	1.116	ug/l #	67
4) Vinyl Chloride	2.405	62	1852	0.305	ug/l #	1
5) Bromomethane	2.775	94	718	0.224	ug/l #	15
6) Chloroethane	2.681	64	26977	6.507	ug/l #	58
11) Tert butyl alcohol	5.298	59	490	0.286	ug/l #	72
12) 1,1-Dichloroethene	4.093	96	69	0.701	ug/l #	1
16) Acetone	4.222	43	3136	0.932	ug/l #	87
17) Carbon Disulfide	4.463	76	4090	0.366	ug/l #	81
21) trans-1,2-Dichloroethene	5.516	96	155	0.463	ug/l #	1
25) 2-Butanone	7.245	43	1422	0.255	ug/l #	45
27) cis-1,2-Dichloroethene	7.245	96	1972	0.344	ug/l	65
29) Tetrahydrofuran	7.610	42	1760	0.479	ug/l #	56
30) Chloroform	7.745	83	2228	0.247	ug/l #	66
31) Cyclohexane	8.022	56	9099	0.975	ug/l #	1
36) 1,1-Dichloropropene	8.010	75	29129	4.146	ug/l #	48
38) Carbon Tetrachloride	8.022	117	31961	4.927	ug/l #	14
49) 1,4-Dioxane	9.334	88	80	0.552	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	168152	20.582	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	168152	44.422	ug/l #	11
95) Naphthalene	15.457	128	733	1.620	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.898	180	67	1.349	ug/l #	12

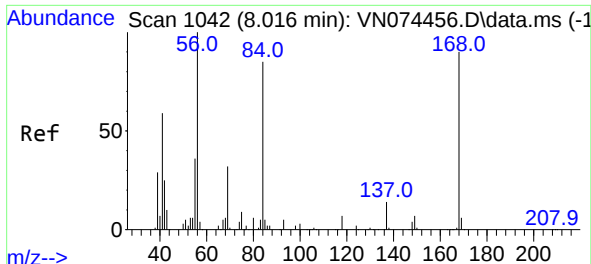
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration

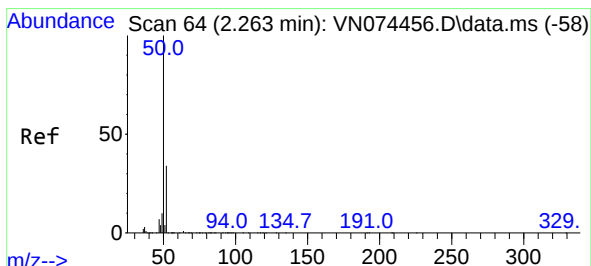
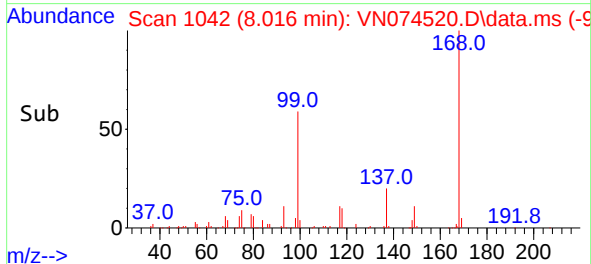
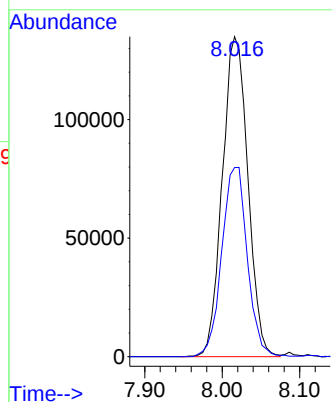
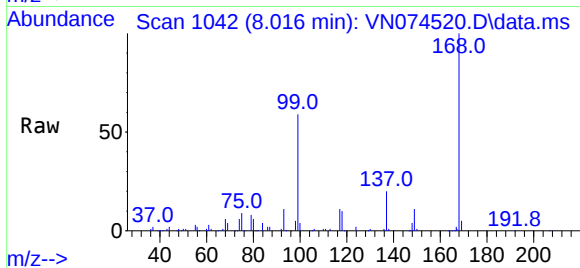




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

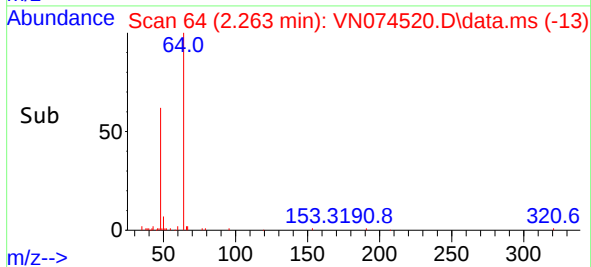
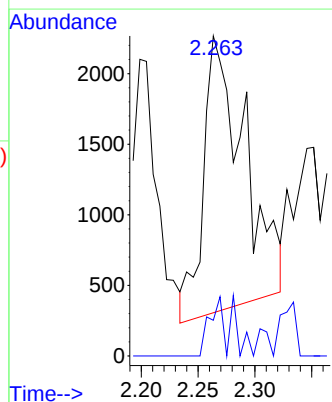
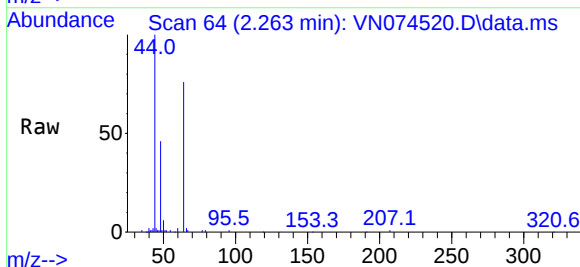
Instrument :
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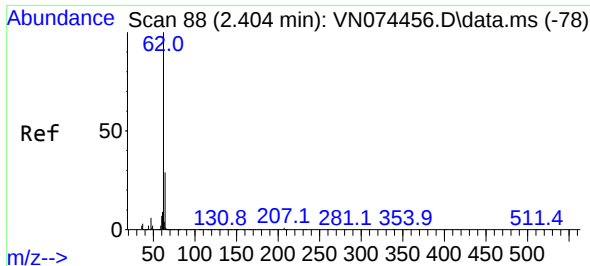
Tgt Ion:168 Resp: 309848
Ion Ratio Lower Upper
168 100
99 59.1 42.3 63.5



#3
Chloromethane
Concen: 1.116 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

Tgt Ion: 50 Resp: 4892
Ion Ratio Lower Upper
50 100
52 14.0 25.7 38.5#

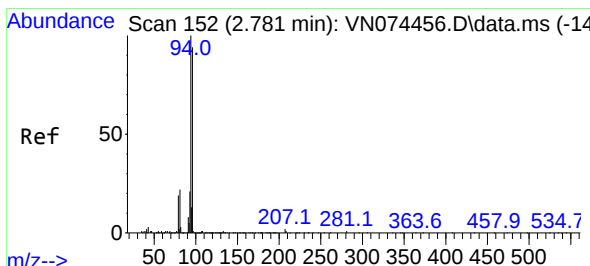
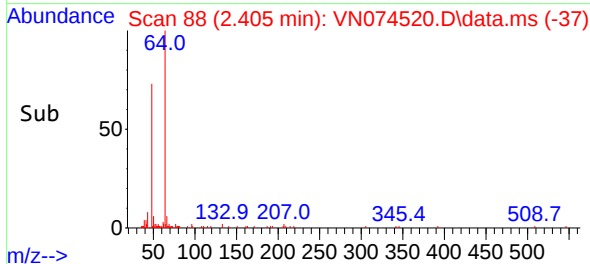
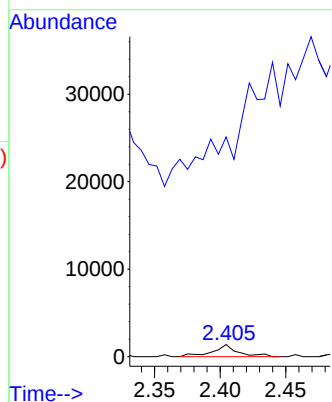
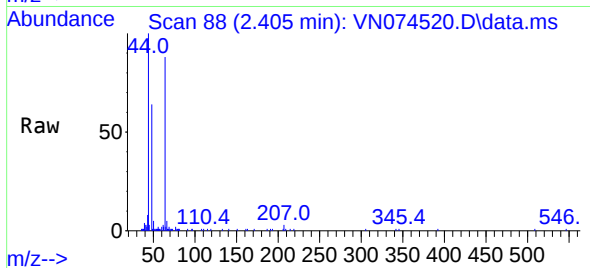




#4
 Vinyl Chloride
 Concen: 0.305 ug/l
 RT: 2.405 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: VN074520.D
 Acq: 16 Sep 2022 19:15

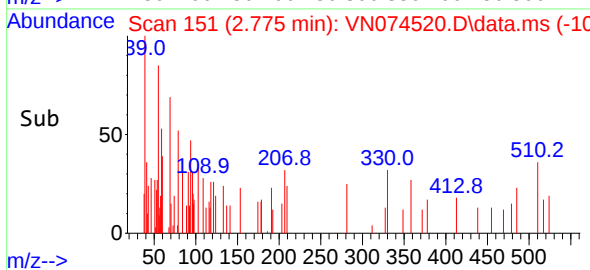
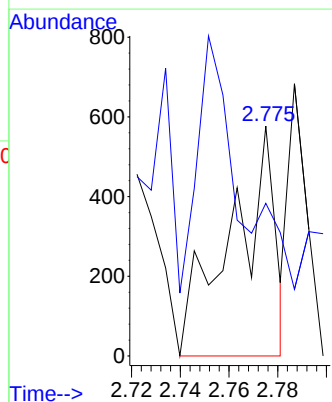
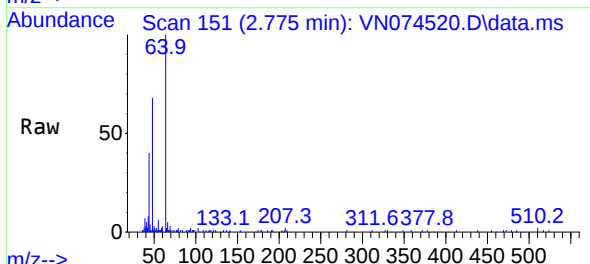
Instrument :
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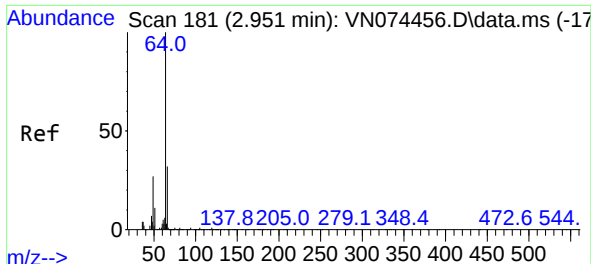
Tgt Ion: 62 Resp: 1852
 Ion Ratio Lower Upper
 62 100
 64 182.8 25.0 37.4#



#5
 Bromomethane
 Concen: 0.224 ug/l
 RT: 2.775 min Scan# 151
 Delta R.T. -0.006 min
 Lab File: VN074520.D
 Acq: 16 Sep 2022 19:15

Tgt Ion: 94 Resp: 718
 Ion Ratio Lower Upper
 94 100
 96 12.7 76.0 114.0#

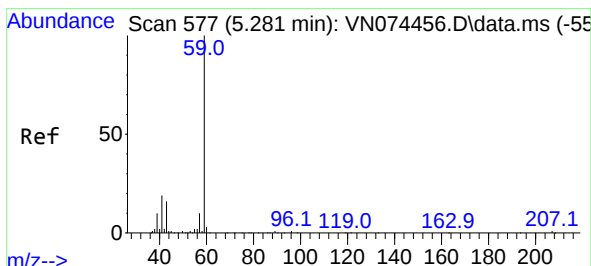
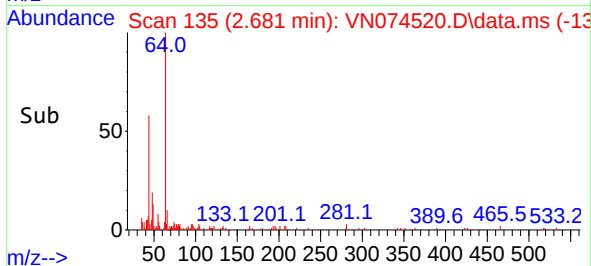
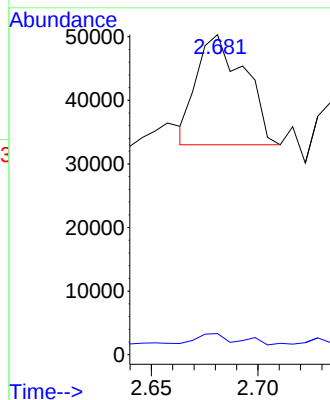
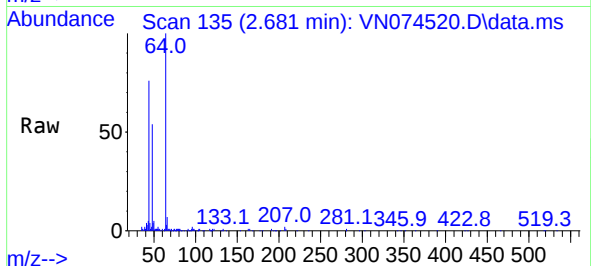




#6
Chloroethane
Concen: 6.507 ug/l
RT: 2.681 min Scan# 11
Delta R.T. -0.270 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

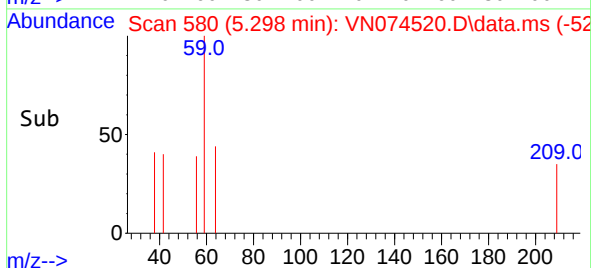
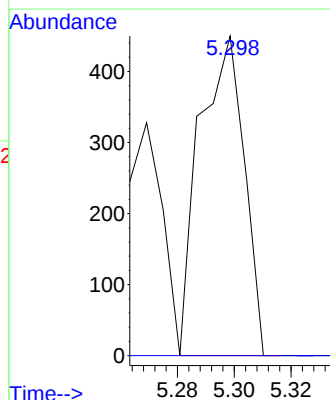
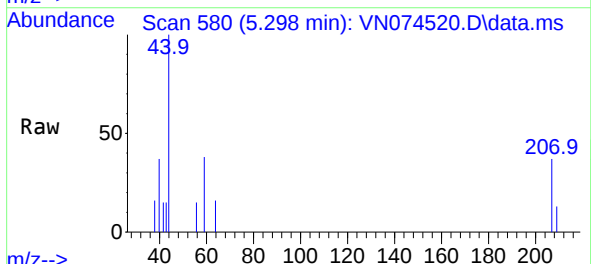
Instrument :
MSVOA_N
ClientSampleId :
HW-8

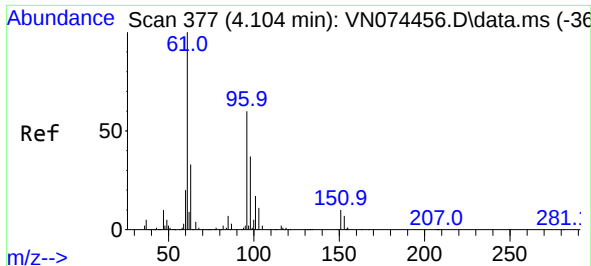
Tgt Ion: 64 Resp: 26977
Ion Ratio Lower Upper
64 100
66 9.1 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.286 ug/l
RT: 5.298 min Scan# 580
Delta R.T. 0.017 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

Tgt Ion: 59 Resp: 490
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

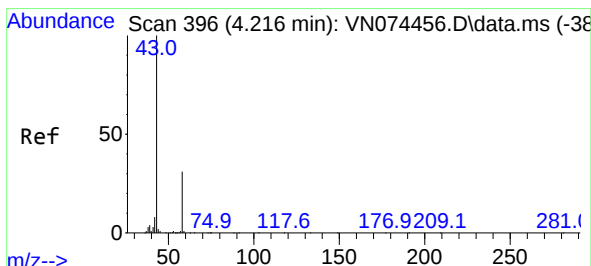
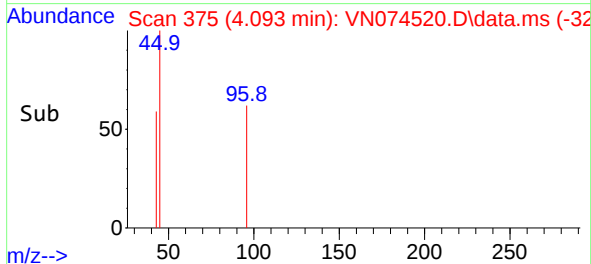
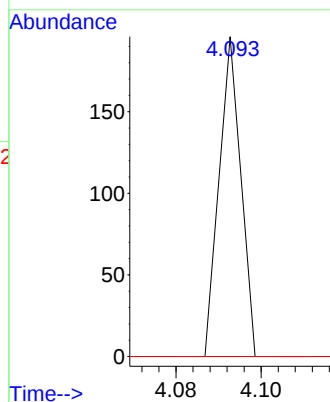
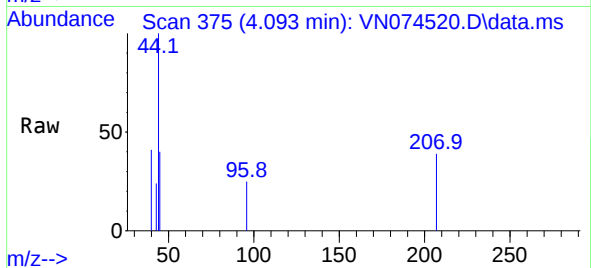




#12
1,1-Dichloroethene
Concen: 0.701 ug/l
RT: 4.093 min Scan# 31
Delta R.T. -0.011 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

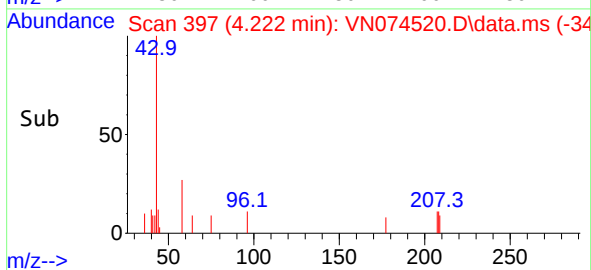
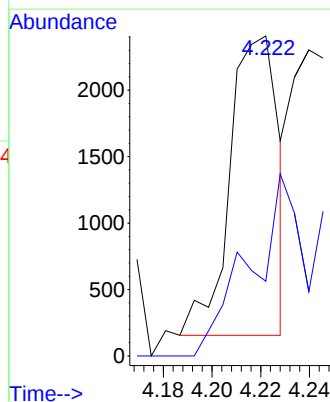
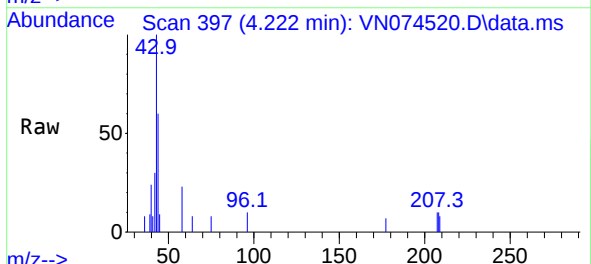
Instrument :
MSVOA_N
ClientSampleId :
HW-8

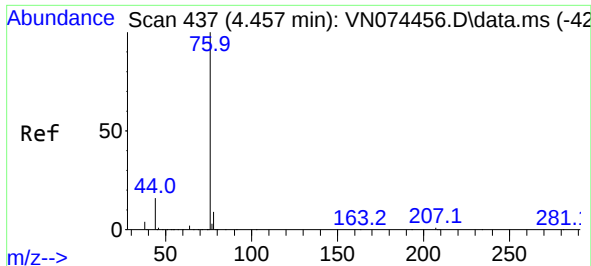
Tgt Ion: 96 Resp: 69
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#16
Acetone
Concen: 0.932 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

Tgt Ion: 43 Resp: 3136
Ion Ratio Lower Upper
43 100
58 25.0 26.0 39.0#

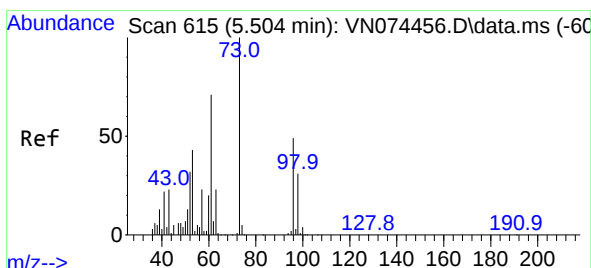
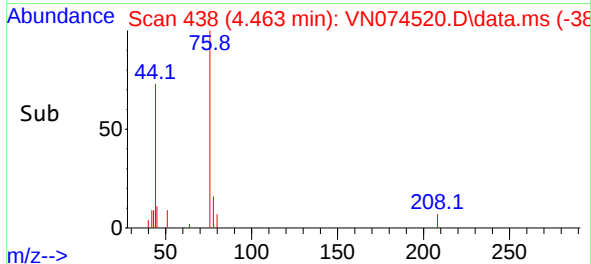
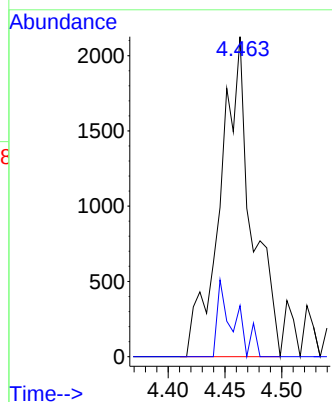
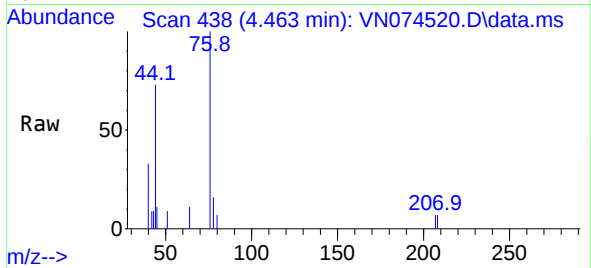




#17
Carbon Disulfide
Concen: 0.366 ug/l
RT: 4.463 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

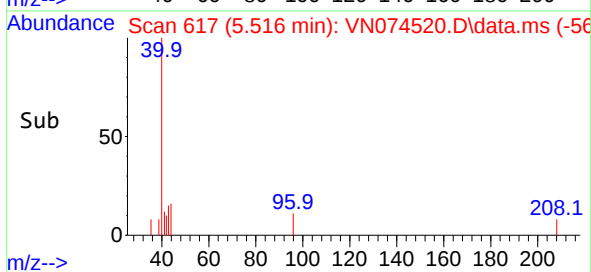
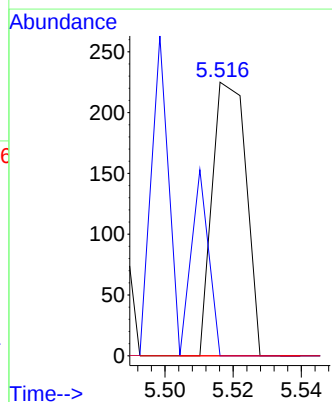
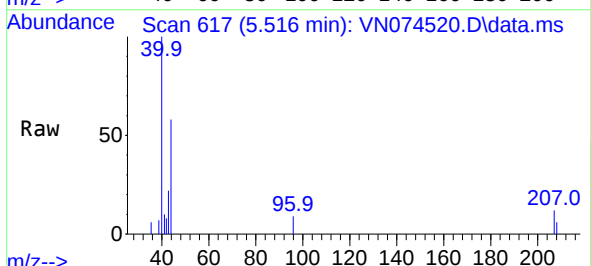
Instrument :
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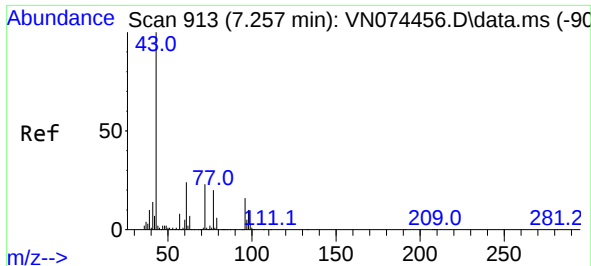
Tgt Ion: 76 Resp: 4090
Ion Ratio Lower Upper
76 100
78 15.9 7.2 10.8#



#21
trans-1,2-Dichloroethene
Concen: 0.463 ug/l
RT: 5.516 min Scan# 617
Delta R.T. 0.012 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

Tgt Ion: 96 Resp: 155
Ion Ratio Lower Upper
96 100
61 0.0 105.8 158.8#
98 0.0 50.3 75.5#





#25

2-Butanone

Concen: 0.255 ug/l

RT: 7.245 min Scan# 911

Delta R.T. -0.012 min

Lab File: VN074520.D

Acq: 16 Sep 2022 19:15

Instrument :

MSVOA_N

ClientSampleId :

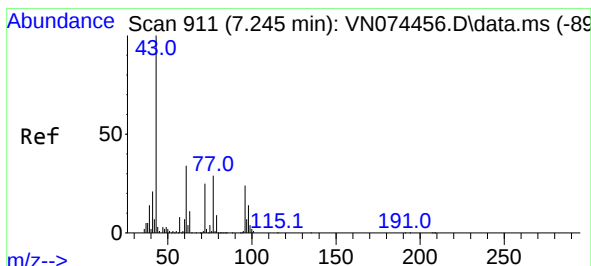
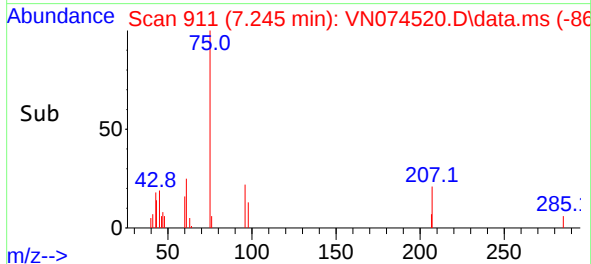
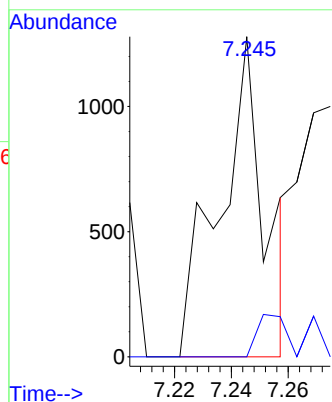
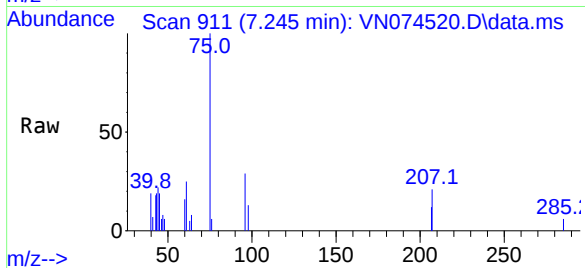
HW-8

Tgt Ion: 43 Resp: 1422

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#27

cis-1,2-Dichloroethene

Concen: 0.344 ug/l

RT: 7.245 min Scan# 911

Delta R.T. 0.000 min

Lab File: VN074520.D

Acq: 16 Sep 2022 19:15

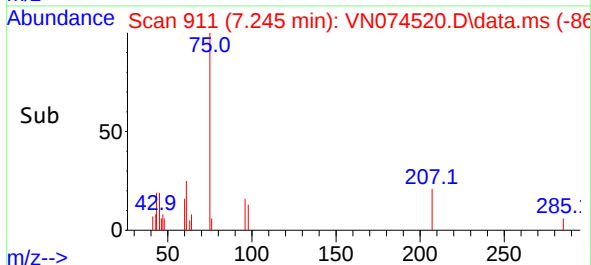
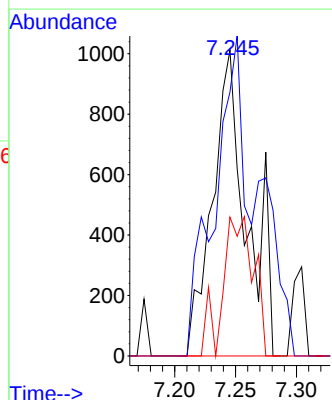
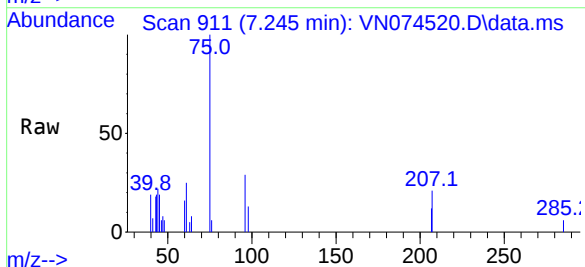
Tgt Ion: 96 Resp: 1972

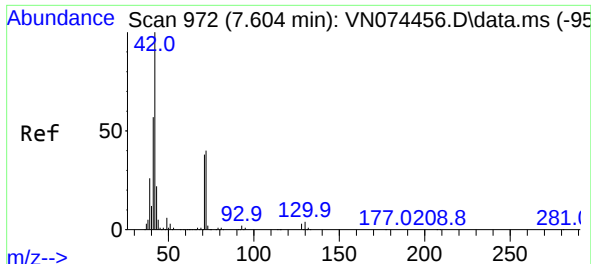
Ion Ratio Lower Upper

96 100

61 93.5 0.0 280.6

98 41.7 0.0 128.4

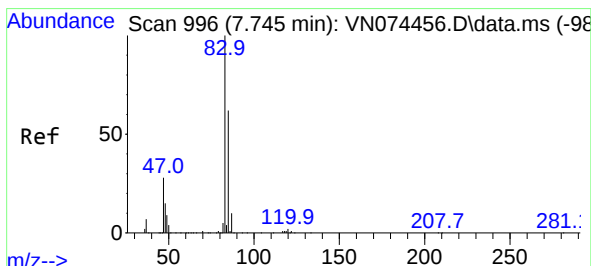
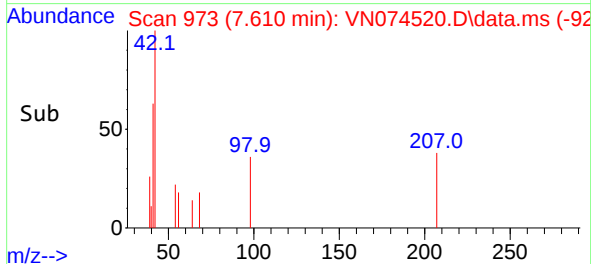
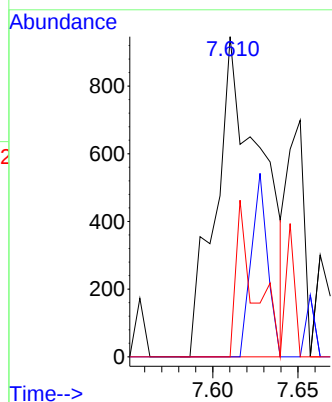
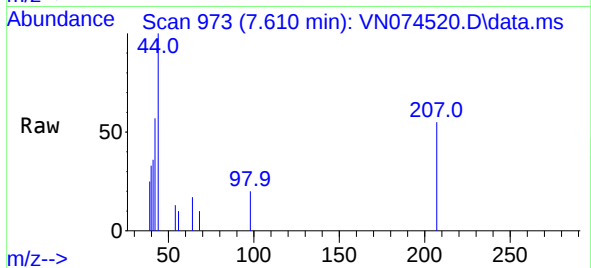




#29
Tetrahydrofuran
Concen: 0.479 ug/l
RT: 7.610 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

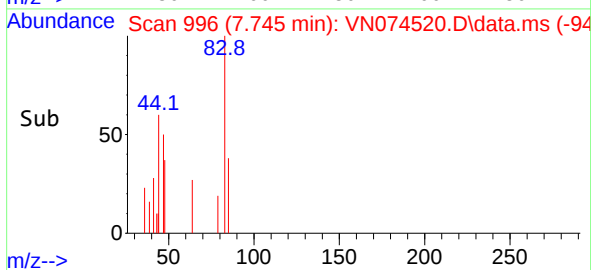
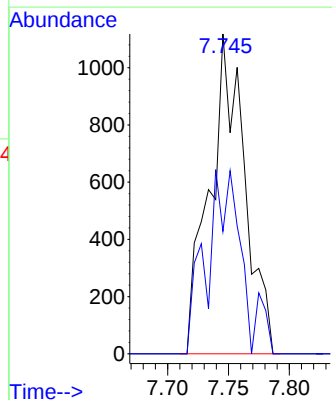
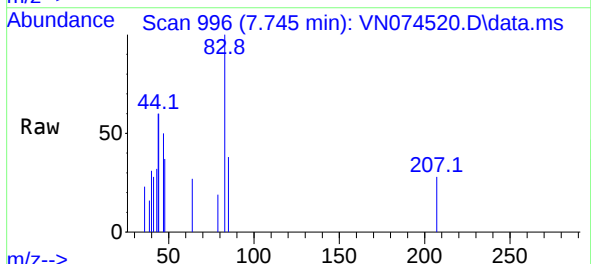
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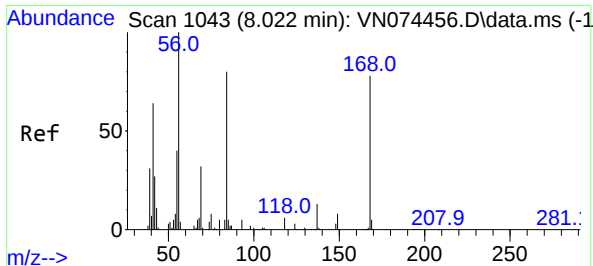
Tgt Ion: 42 Resp: 1760
Ion Ratio Lower Upper
42 100
72 20.5 39.7 59.5#
71 15.7 36.6 55.0#



#30
Chloroform
Concen: 0.247 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

Tgt Ion: 83 Resp: 2228
Ion Ratio Lower Upper
83 100
85 38.3 51.8 77.8#





#31

Cyclohexane

Concen: 0.975 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN074520.D

Acq: 16 Sep 2022 19:15

Instrument :

MSVOA_N

ClientSampleId :

HW-8

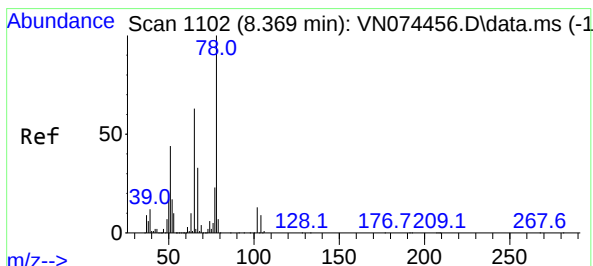
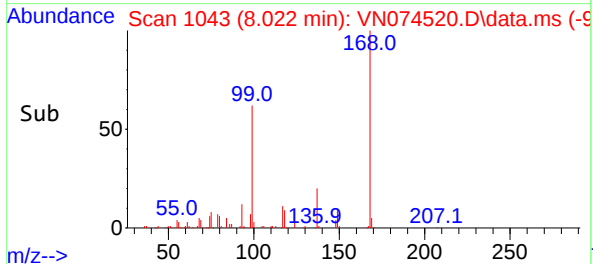
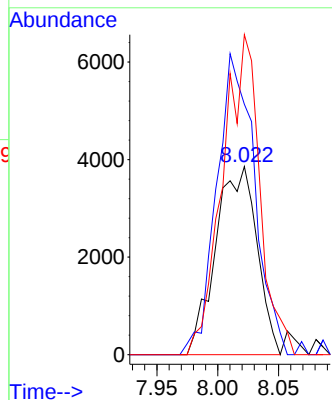
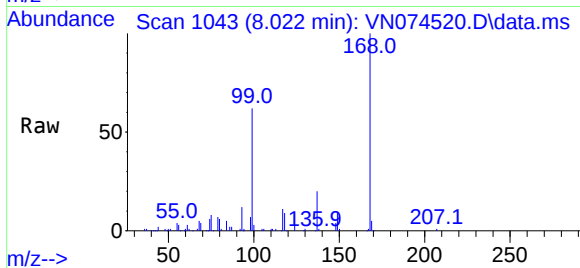
Tgt Ion: 56 Resp: 9099

Ion Ratio Lower Upper

56 100

69 133.1 27.8 41.8#

84 170.1 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 47.919 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074520.D

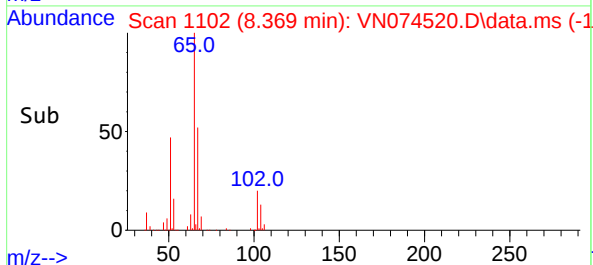
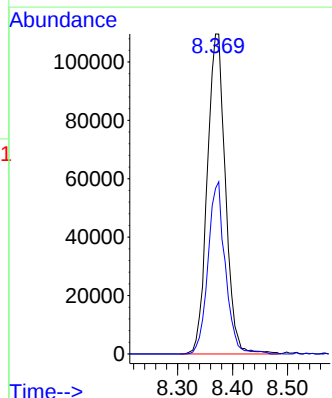
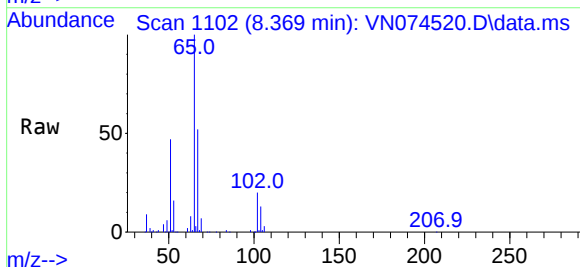
Acq: 16 Sep 2022 19:15

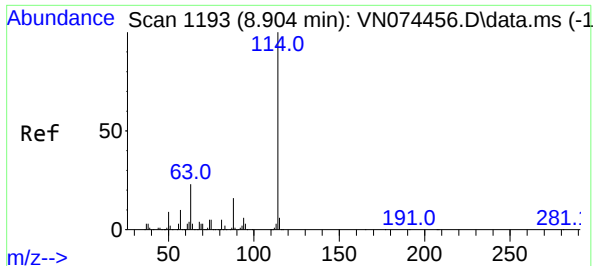
Tgt Ion: 65 Resp: 251926

Ion Ratio Lower Upper

65 100

67 51.2 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: VN074520.D

Acq: 16 Sep 2022 19:15

Instrument :

MSVOA_N

ClientSampleId :

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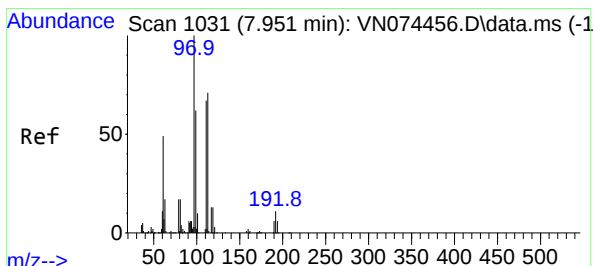
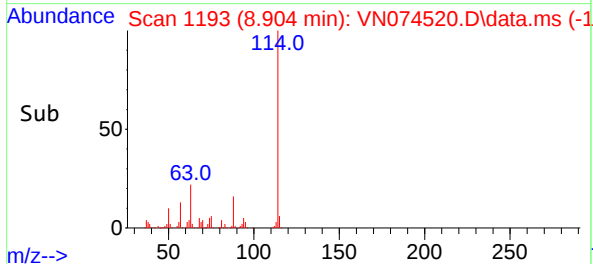
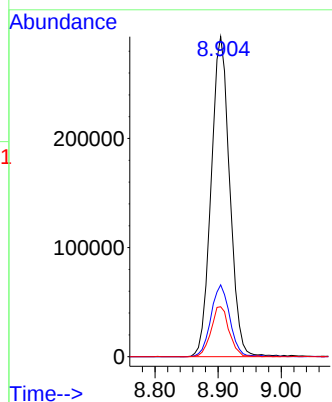
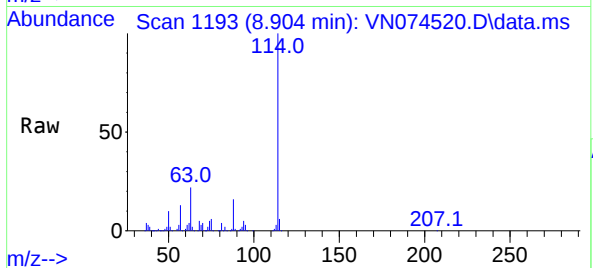
Tgt Ion:114 Resp: 597531

Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.449 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN074520.D

Acq: 16 Sep 2022 19:15

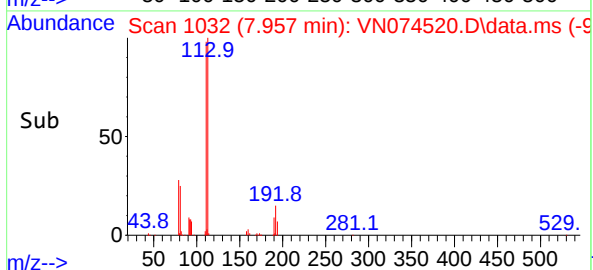
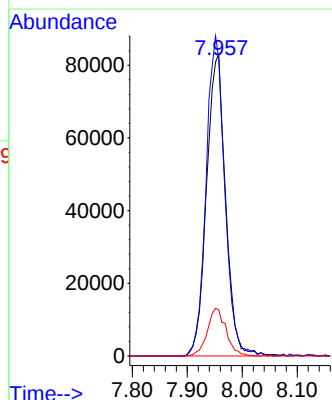
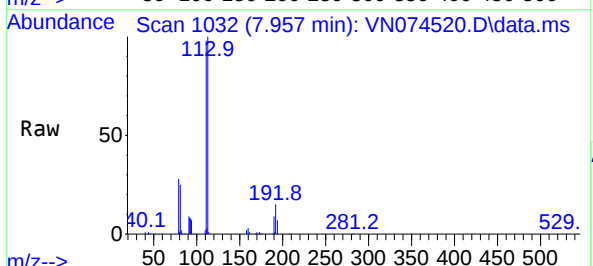
Tgt Ion:113 Resp: 200247

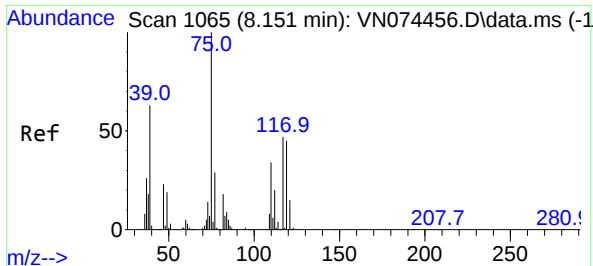
Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

192 15.5 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 4.146 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN074520.D

Acq: 16 Sep 2022 19:15

Instrument :

MSVOA_N

ClientSampleId :

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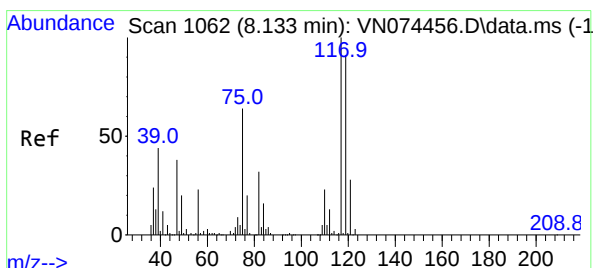
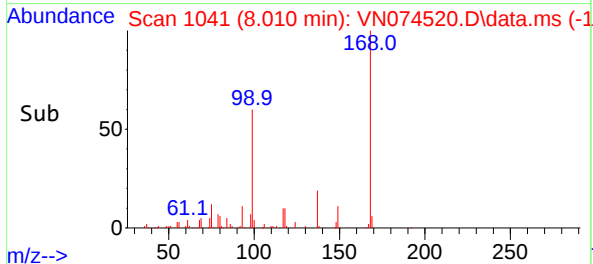
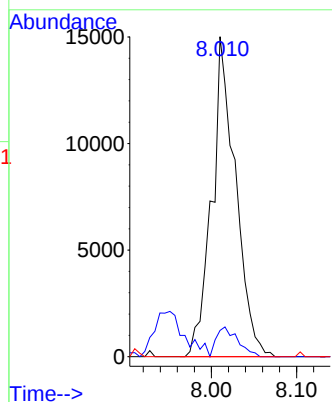
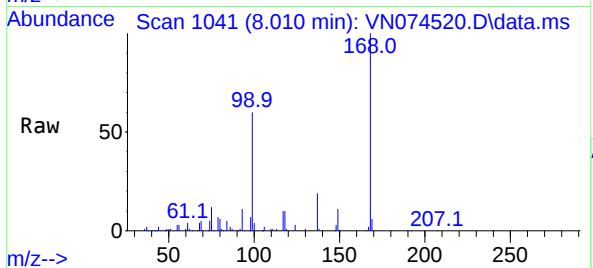
Tgt Ion: 75 Resp: 29129

Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.927 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.111 min

Lab File: VN074520.D

Acq: 16 Sep 2022 19:15

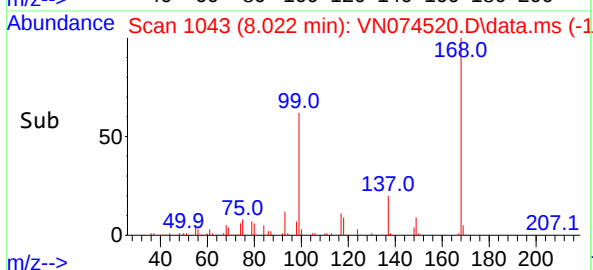
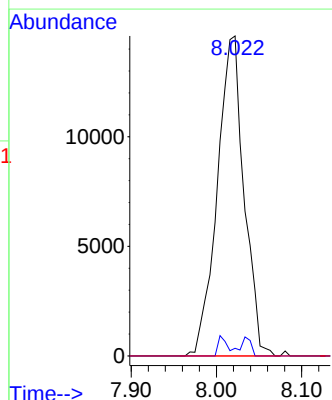
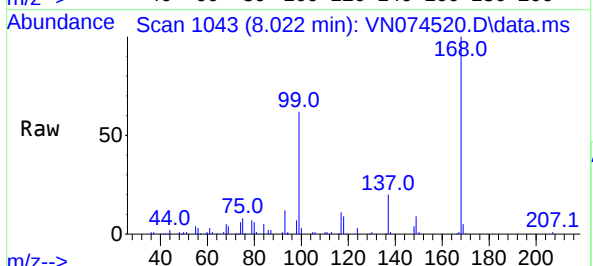
Tgt Ion: 117 Resp: 31961

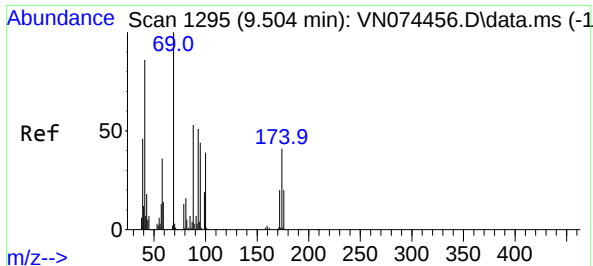
Ion Ratio Lower Upper

117 100

119 2.4 75.8 113.8#

121 0.0 24.6 37.0#

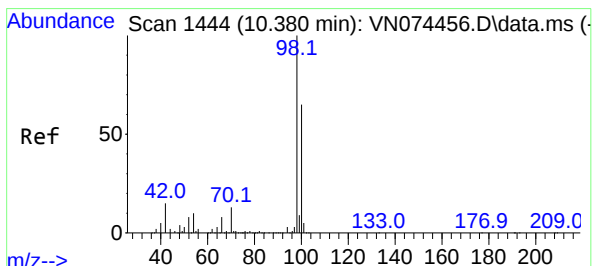
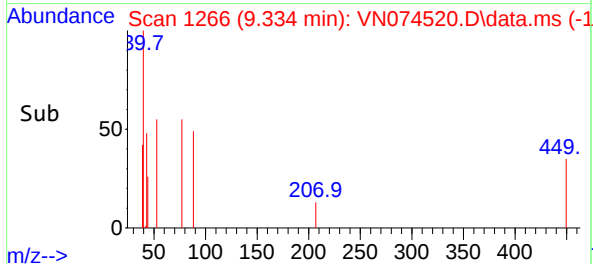
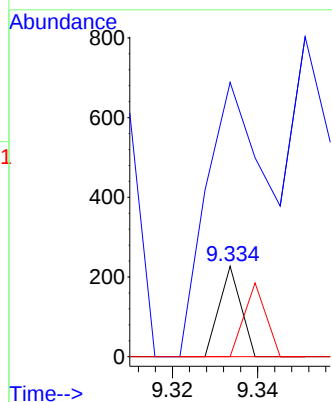
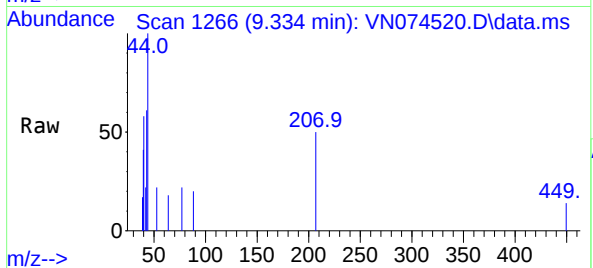




#49
1,4-Dioxane
Concen: 0.552 ug/l
RT: 9.334 min Scan# 1295
Delta R.T. -0.170 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

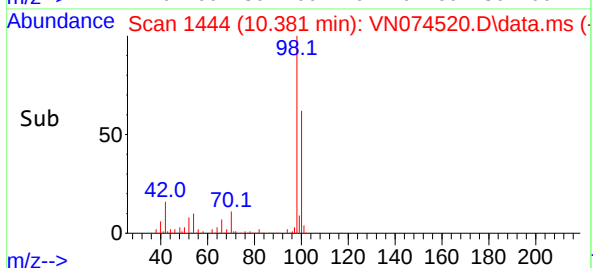
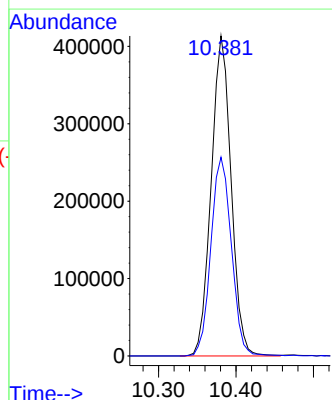
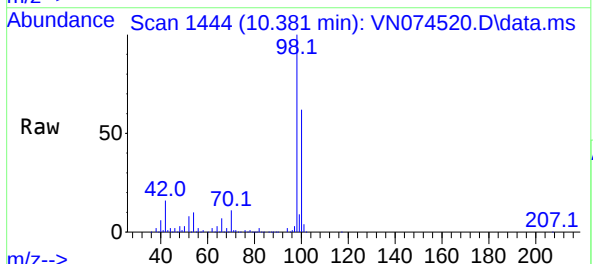
Instrument :
MSVOA_N
ClientSampleId :
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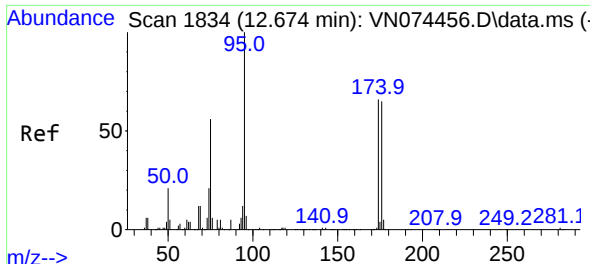
Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 875.0 20.2 30.4#
58 81.3 54.2 81.4



#50
Toluene-d8
Concen: 48.231 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

Tgt Ion: 98 Resp: 740375
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8

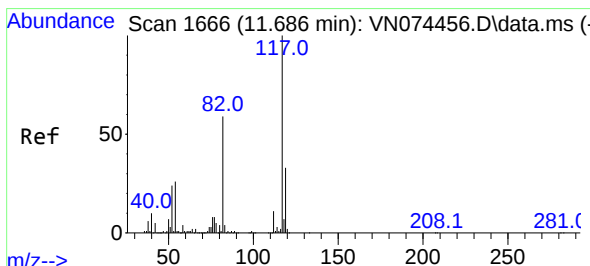
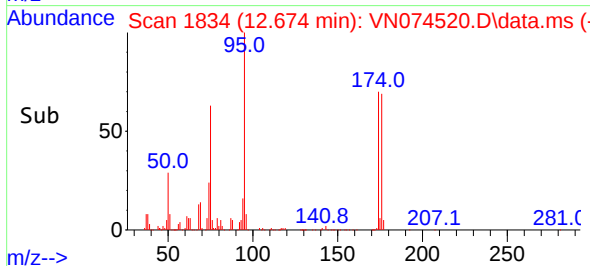
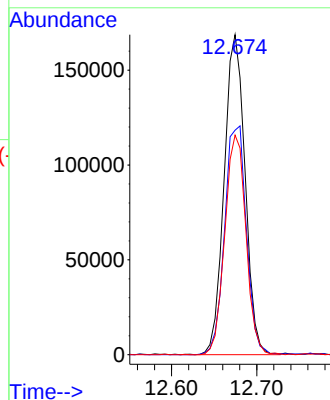
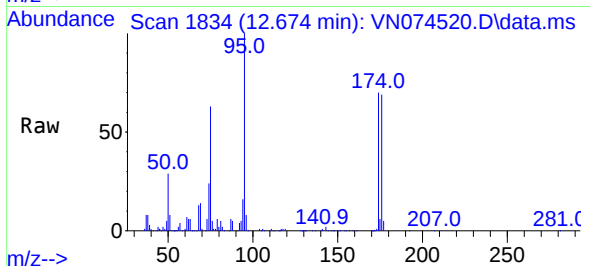




#62
4-Bromofluorobenzene
Concen: 54.621 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

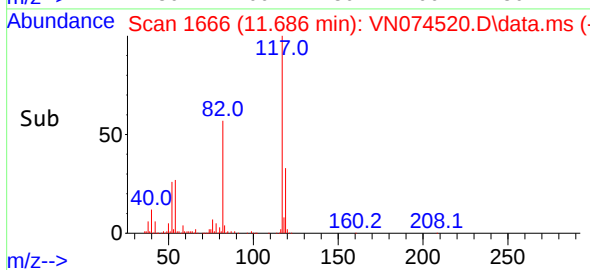
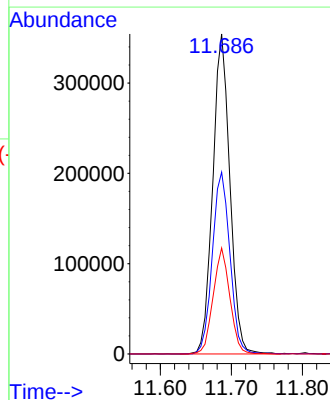
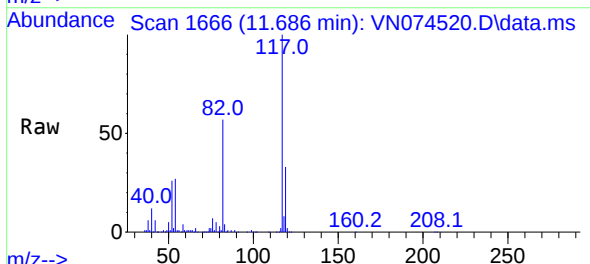
Instrument :
MSVOA_N
ClientSampleId :
HW-8

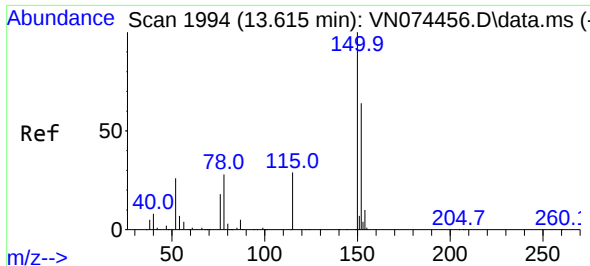
Tgt Ion: 95 Resp: 287171
Ion Ratio Lower Upper
95 100
174 74.9 0.0 167.6
176 69.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

Tgt Ion: 117 Resp: 593684
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.2
119 33.1 25.4 38.0

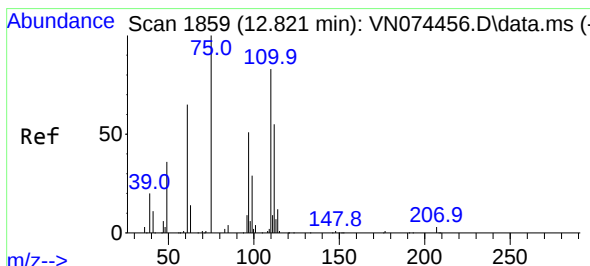
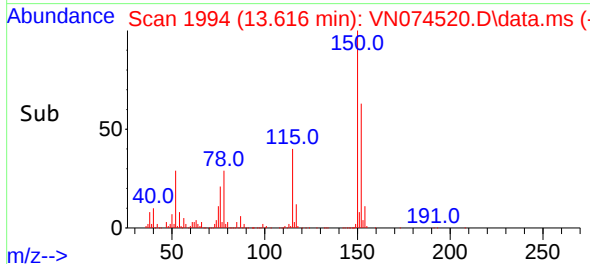
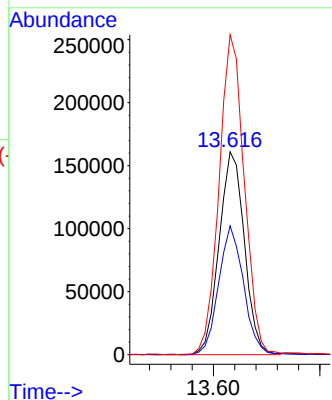
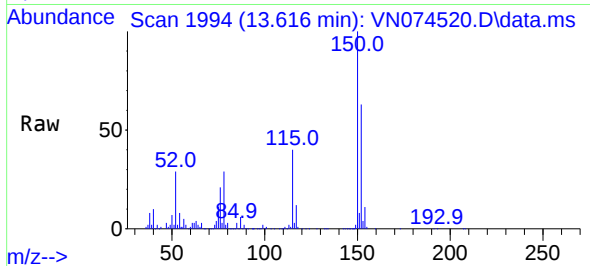




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.001 min
 Lab File: VN074520.D
 Acq: 16 Sep 2022 19:15

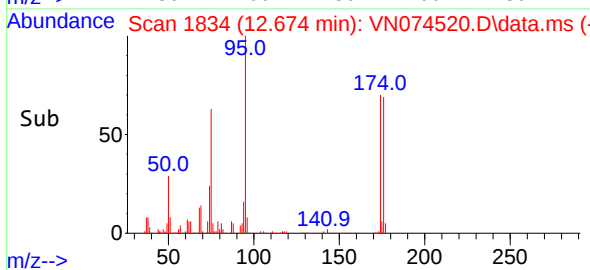
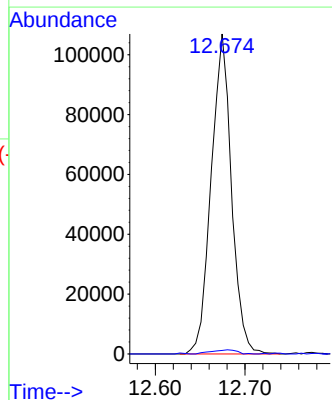
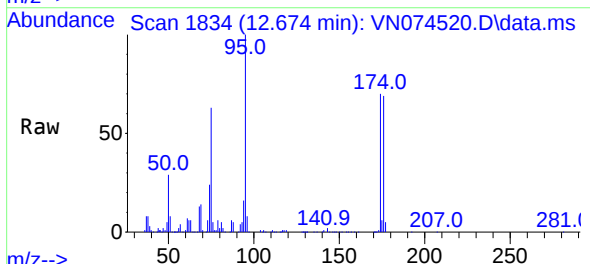
Instrument :
 MSVOA_N
 ClientSampleId :
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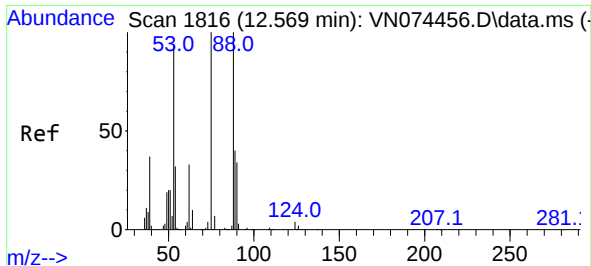
Tgt Ion:152 Resp: 265423
 Ion Ratio Lower Upper
 152 100
 115 62.4 28.9 86.7
 150 156.9 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 20.582 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN074520.D
 Acq: 16 Sep 2022 19:15

Tgt Ion: 75 Resp: 168152
 Ion Ratio Lower Upper
 75 100
 77 1.6 98.5 295.5#

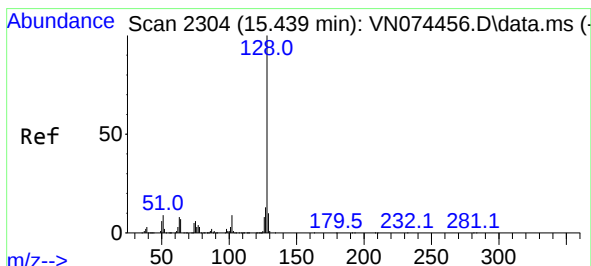
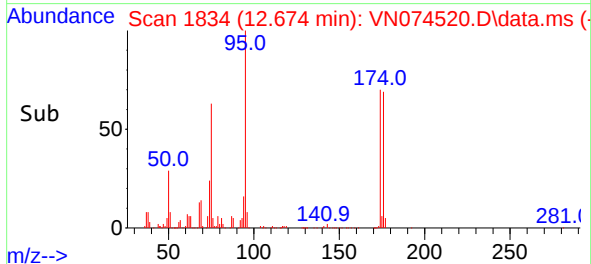
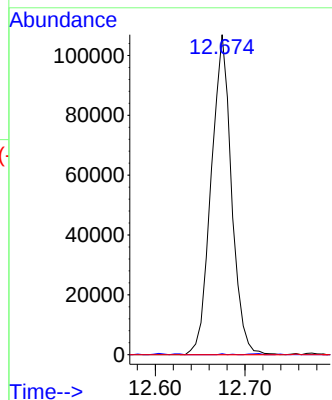
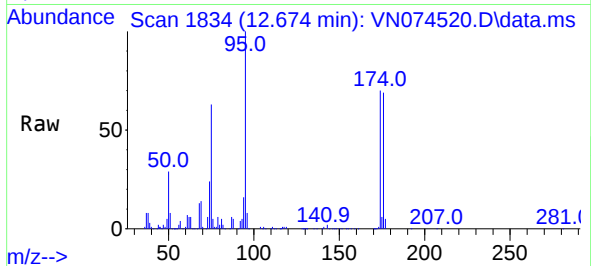




#81
trans-1,4-Dichloro-2-butene
Concen: 44.422 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.105 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

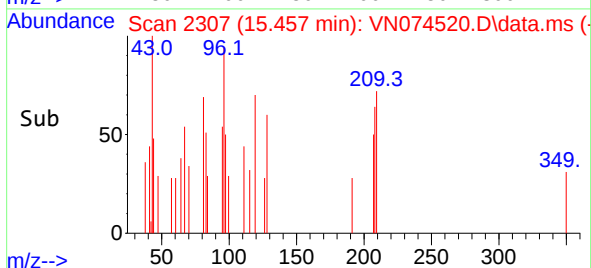
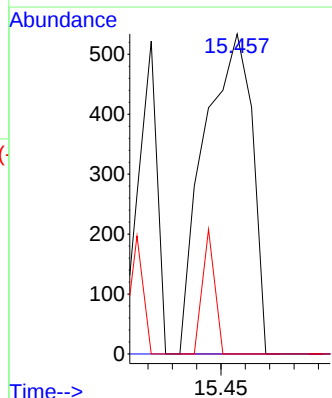
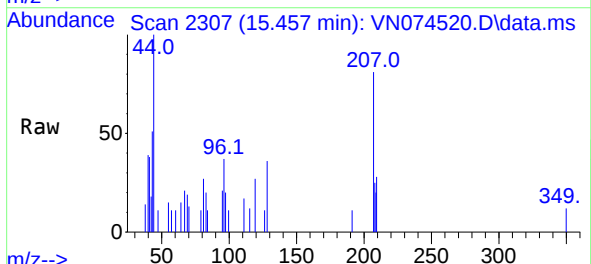
Instrument :
MSVOA_N
ClientSampleId :
HW-8

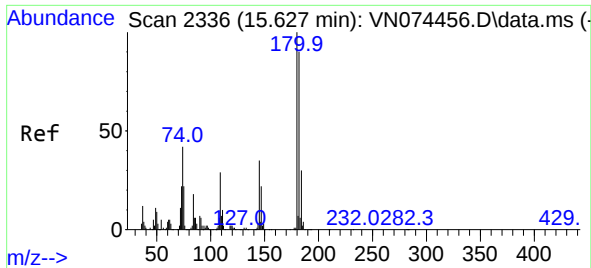
Tgt Ion: 75 Resp: 168152
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.620 ug/l
RT: 15.457 min Scan# 2307
Delta R.T. 0.018 min
Lab File: VN074520.D
Acq: 16 Sep 2022 19:15

Tgt Ion: 128 Resp: 733
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 10.0 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.349 ug/l
 RT: 15.898 min Scan# 21
 Delta R.T. 0.271 min
 Lab File: VN074520.D
 Acq: 16 Sep 2022 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:180 Resp: 67
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 0.0 15.5 46.5#

