

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091522\
 Data File : VN074472.D
 Acq On : 15 Sep 2022 19:35
 Operator : JC\MD
 Sample : N4553-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 256074-1

Quant Time: Sep 16 01:46:43 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)

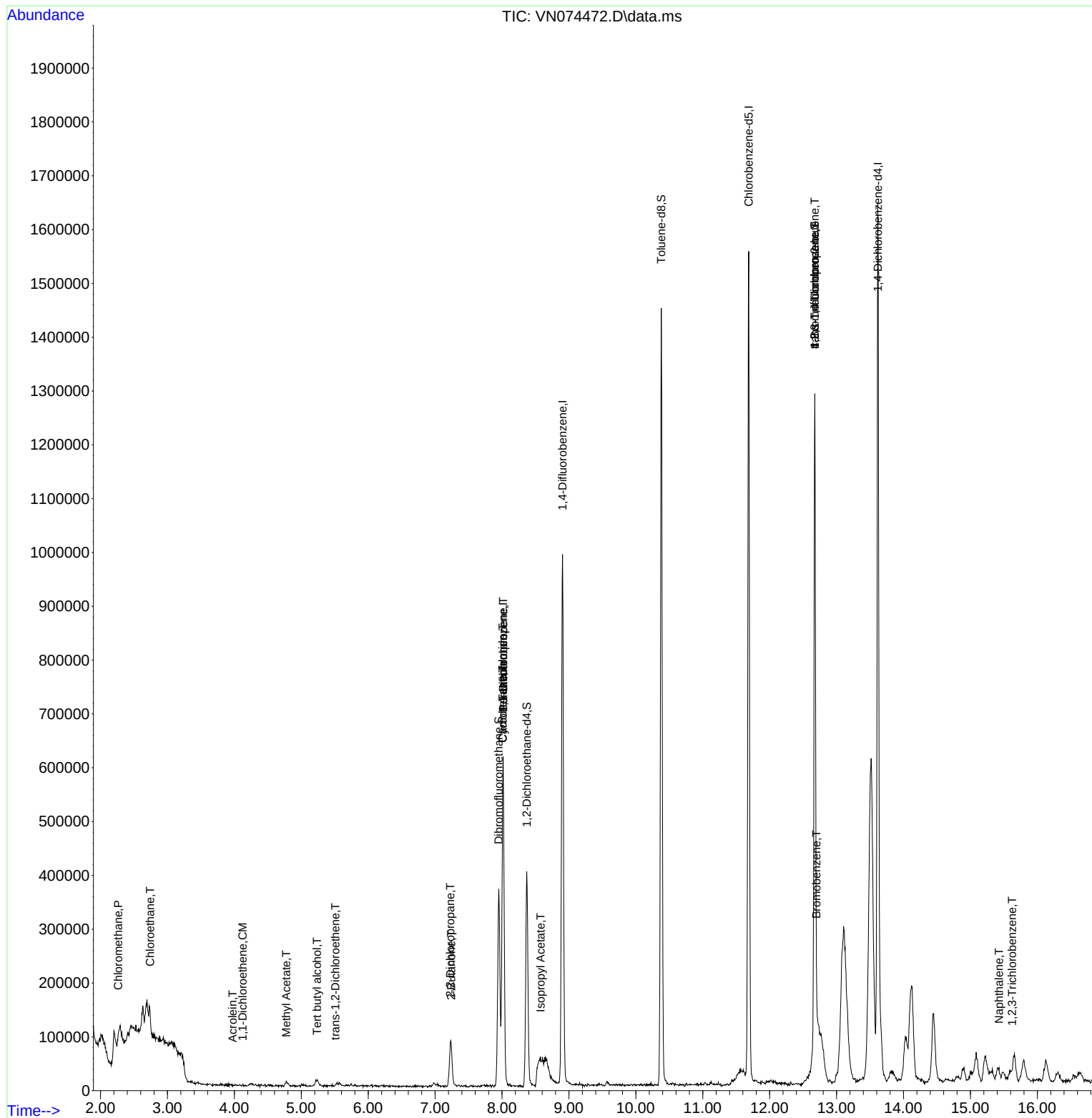
Internal Standards						
1) Pentafluorobenzene	8.016	168	423741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	825551	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	801497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	375538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	306512	42.632	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.260%		
35) Dibromofluoromethane	7.951	113	255323	46.558	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.120%		
50) Toluene-d8	10.381	98	937406	44.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.400%		
62) 4-Bromofluorobenzene	12.674	95	377262	51.937	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.880%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	3998	0.771	ug/l #	88
6) Chloroethane	2.740	64	18613	3.283	ug/l #	51
11) Tert butyl alcohol	5.234	59	11974	5.112	ug/l #	74
12) 1,1-Dichloroethene	4.122	96	280	0.734	ug/l #	1
13) Acrolein	3.975	56	371	0.434	ug/l #	1
18) Methyl Acetate	4.775	43	17248	1.207	ug/l #	72
21) trans-1,2-Dichloroethene	5.510	96	554	0.519	ug/l #	1
25) 2-Butanone	7.240	43	4048	0.530	ug/l #	45
26) 2,2-Dichloropropane	7.228	77	6078	0.527	ug/l #	56
28) Bromochloromethane	7.604	49	84	Below Cal	#	8
31) Cyclohexane	8.010	56	13614	1.067	ug/l #	41
36) 1,1-Dichloropropene	8.016	75	42884	4.418	ug/l #	48
38) Carbon Tetrachloride	8.010	117	47297	5.277	ug/l #	17
43) Isopropyl Acetate	8.575	43	60297	2.568	ug/l #	54
76) 1,2,3-Trichloropropane	12.674	75	223866	19.367	ug/l #	1
77) Bromobenzene	12.698	156	89249	10.865	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	223866	41.799	ug/l #	11
95) Naphthalene	15.427	128	3270	1.687	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.621	180	60	1.344	ug/l #	12

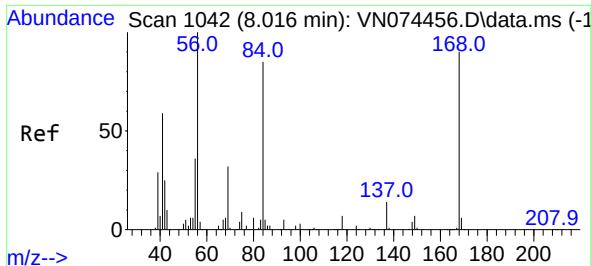
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 15 19:20:33 2022
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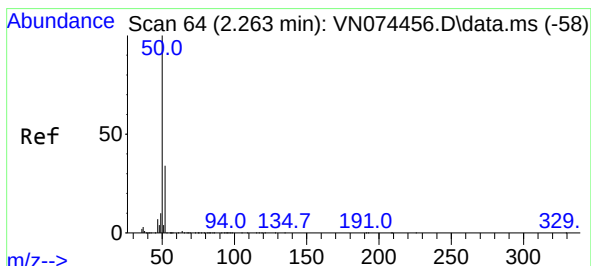
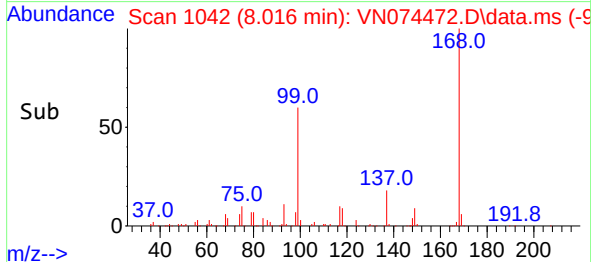
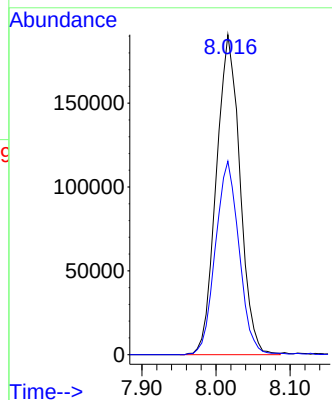
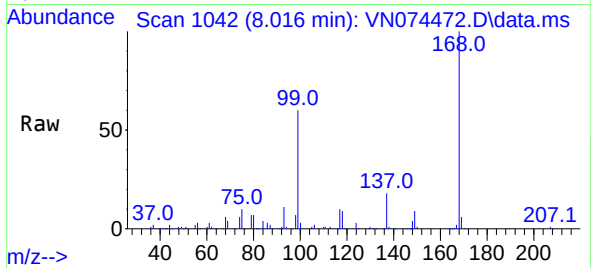




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

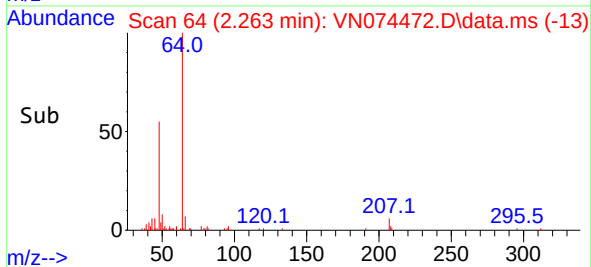
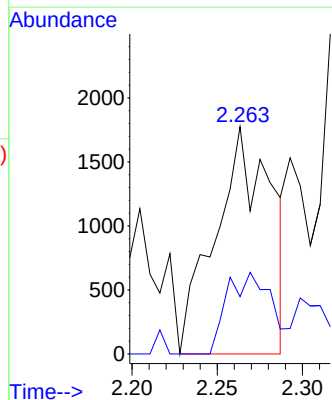
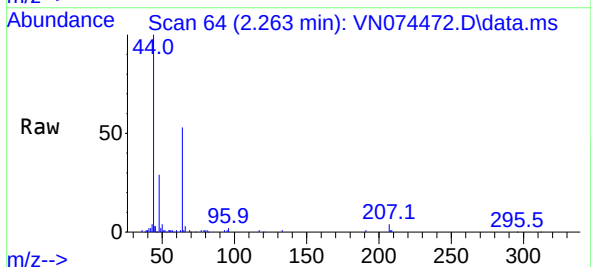
Instrument :
MSVOA_N
ClientSampleId :
256074-1

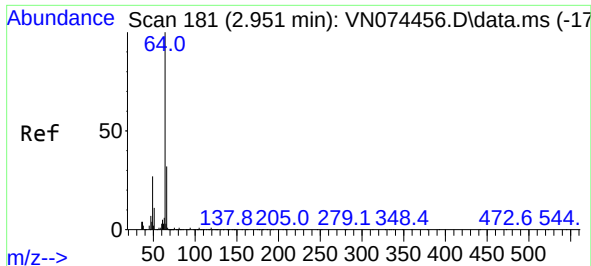
Tgt Ion:168 Resp: 423741
Ion Ratio Lower Upper
168 100
99 60.4 42.3 63.5



#3
Chloromethane
Concen: 0.771 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

Tgt Ion: 50 Resp: 3998
Ion Ratio Lower Upper
50 100
52 25.2 25.7 38.5#

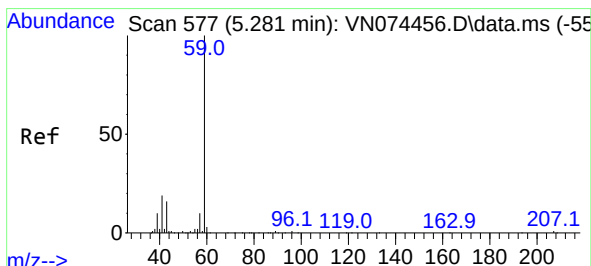
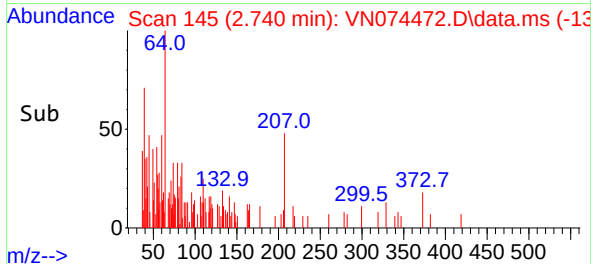
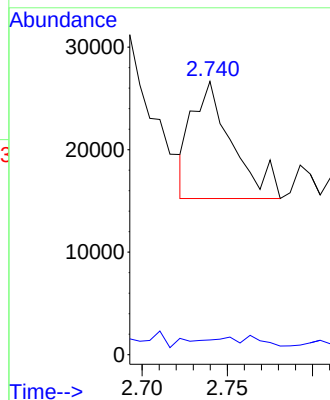
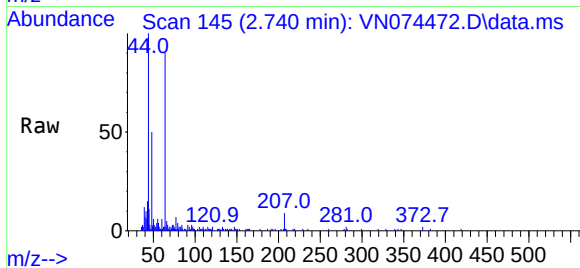




#6
Chloroethane
Concen: 3.283 ug/l
RT: 2.740 min Scan# 14
Delta R.T. -0.211 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

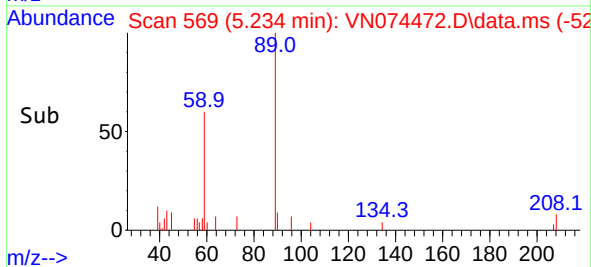
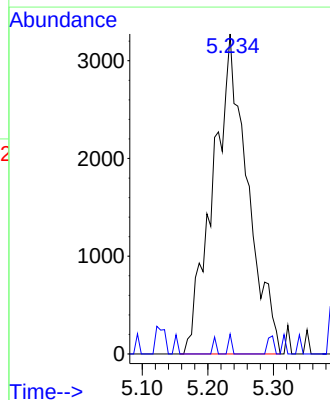
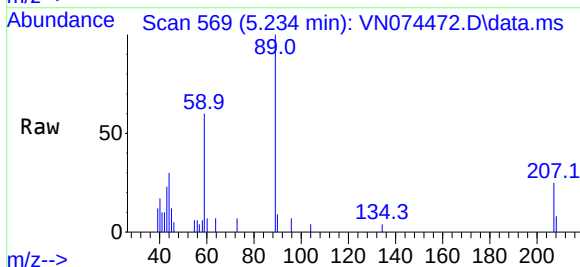
Instrument :
MSVOA_N
ClientSampleId :
256074-1

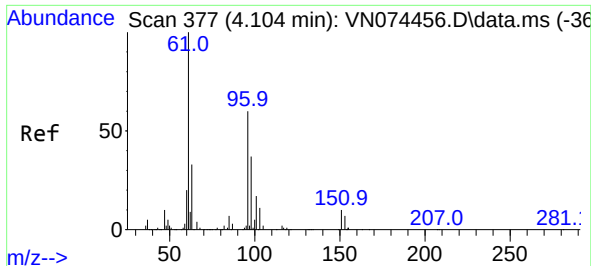
Tgt Ion: 64 Resp: 18613
Ion Ratio Lower Upper
64 100
66 5.3 26.2 39.4#



#11
Tert butyl alcohol
Concen: 5.112 ug/l
RT: 5.234 min Scan# 569
Delta R.T. -0.047 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

Tgt Ion: 59 Resp: 11974
Ion Ratio Lower Upper
59 100
57 0.6 8.3 12.5#

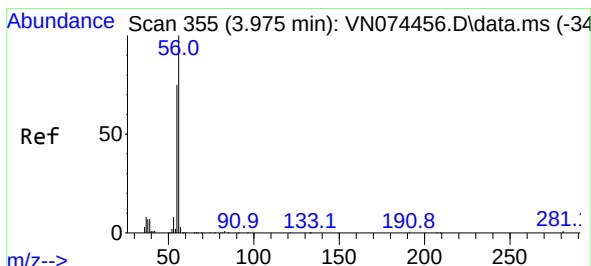
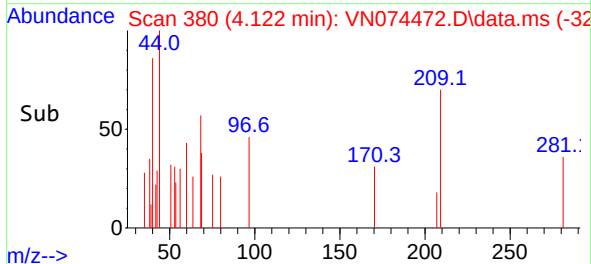
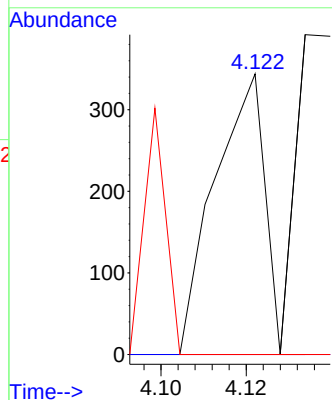
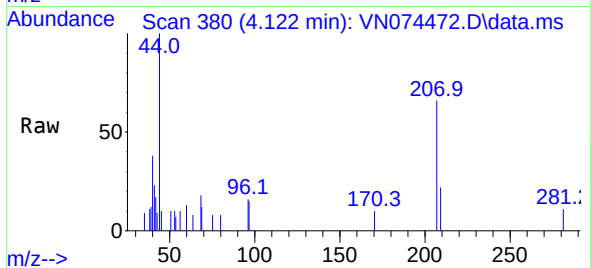




#12
1,1-Dichloroethene
Concen: 0.734 ug/l
RT: 4.122 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

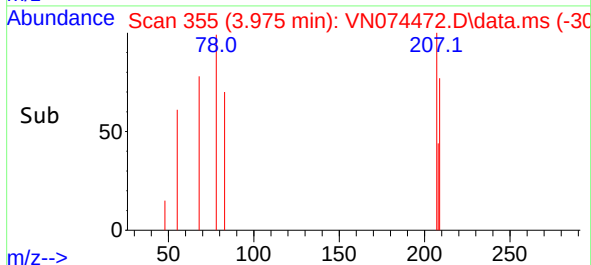
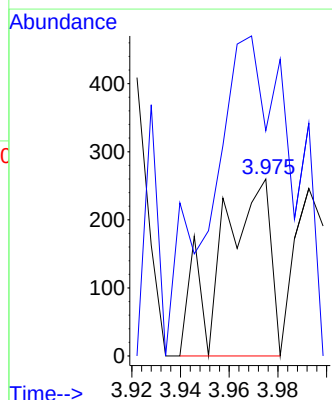
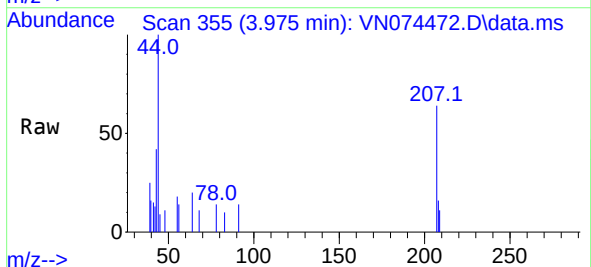
Instrument :
MSVOA_N
ClientSampleId :
256074-1

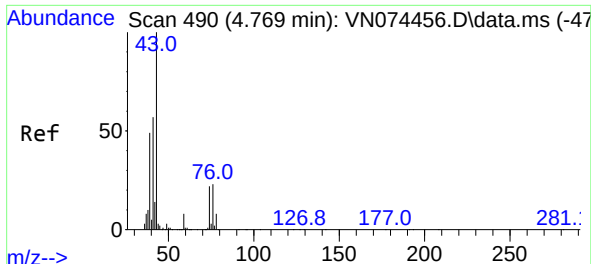
Tgt Ion: 96 Resp: 280
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#



#13
Acrolein
Concen: 0.434 ug/l
RT: 3.975 min Scan# 355
Delta R.T. 0.000 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

Tgt Ion: 56 Resp: 371
Ion Ratio Lower Upper
56 100
55 259.8 54.8 82.2#





#18

Methyl Acetate

Concen: 1.207 ug/l

RT: 4.775 min Scan# 491

Delta R.T. 0.006 min

Lab File: VN074472.D

Acq: 15 Sep 2022 19:35

Instrument :

MSVOA_N

ClientSampleId :

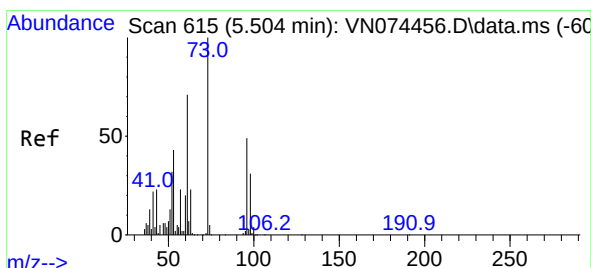
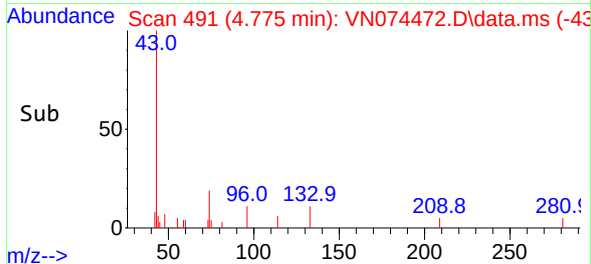
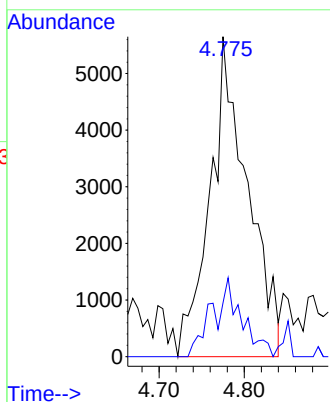
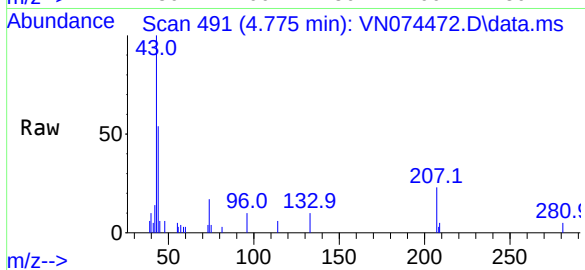
256074-1

Tgt Ion: 43 Resp: 17248

Ion Ratio Lower Upper

43 100

74 12.7 21.6 32.4#



#21

trans-1,2-Dichloroethene

Concen: 0.519 ug/l

RT: 5.510 min Scan# 616

Delta R.T. 0.006 min

Lab File: VN074472.D

Acq: 15 Sep 2022 19:35

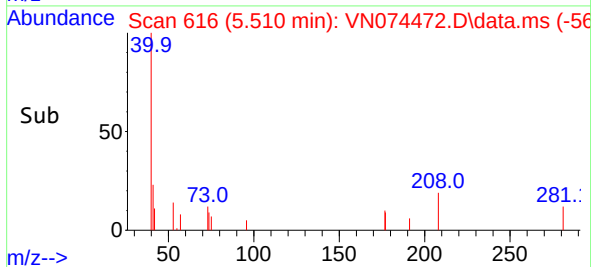
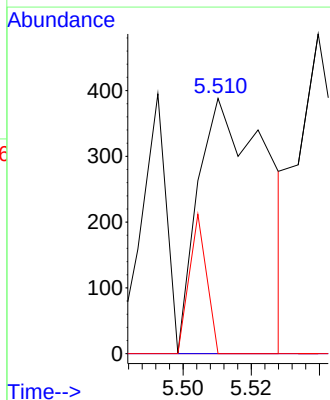
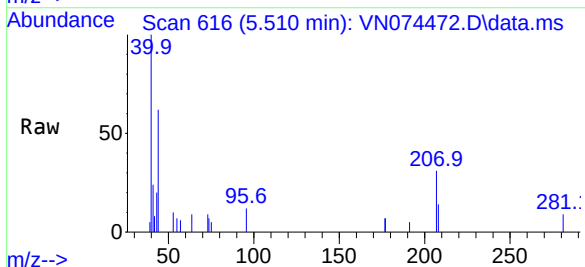
Tgt Ion: 96 Resp: 554

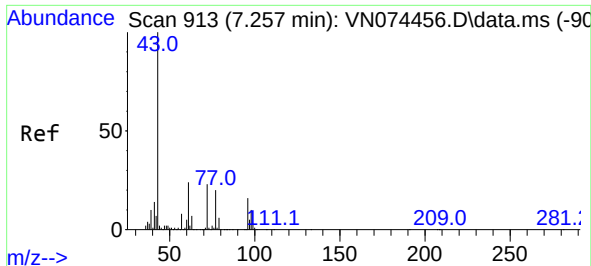
Ion Ratio Lower Upper

96 100

61 0.0 105.8 158.8#

98 0.0 50.3 75.5#





#25

2-Butanone

Concen: 0.530 ug/l

RT: 7.240 min Scan# 91

Delta R.T. -0.017 min

Lab File: VN074472.D

Acq: 15 Sep 2022 19:35

Instrument :

MSVOA_N

ClientSampleId :

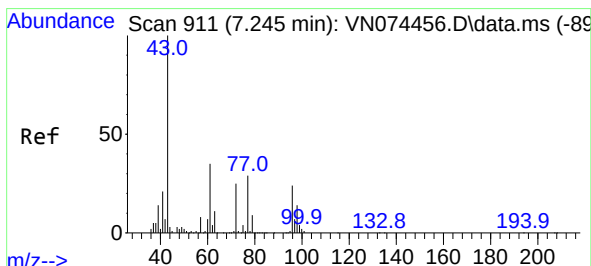
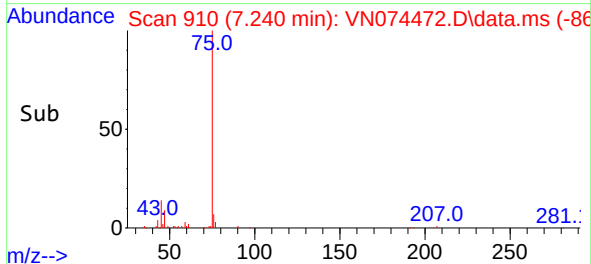
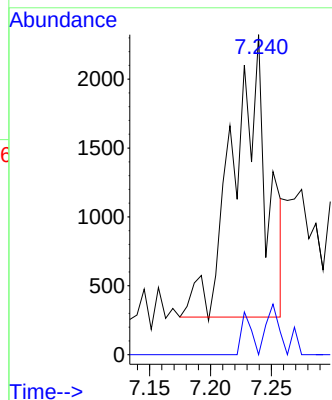
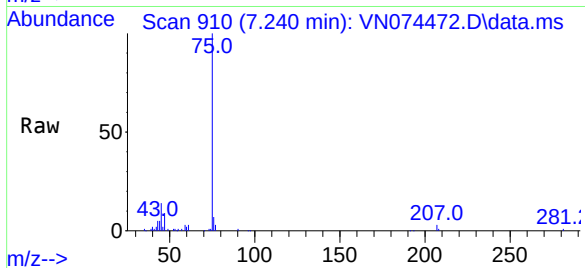
256074-1

Tgt Ion: 43 Resp: 4048

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.527 ug/l

RT: 7.228 min Scan# 908

Delta R.T. -0.017 min

Lab File: VN074472.D

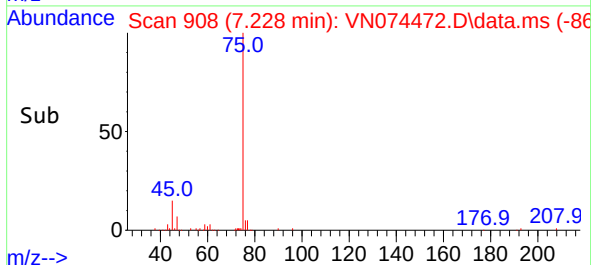
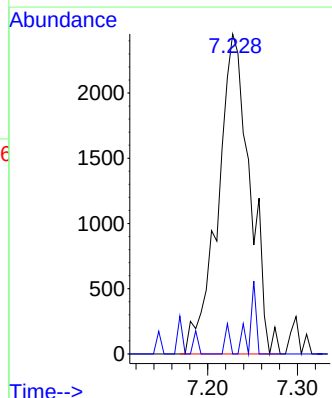
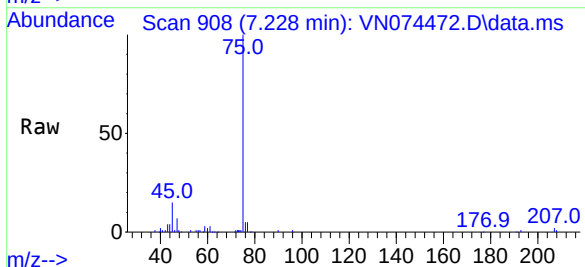
Acq: 15 Sep 2022 19:35

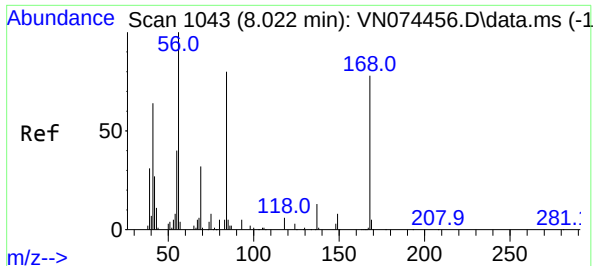
Tgt Ion: 77 Resp: 6078

Ion Ratio Lower Upper

77 100

97 1.3 11.4 34.2#





#31

Cyclohexane

Concen: 1.067 ug/l

RT: 8.010 min Scan# 1102

Delta R.T. -0.012 min

Lab File: VN074472.D

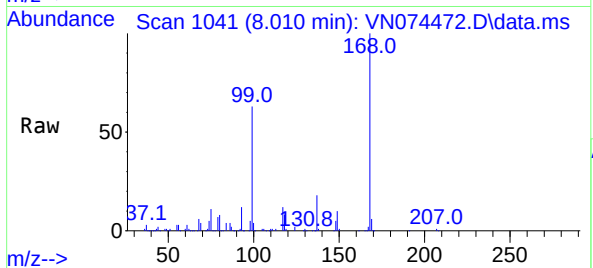
Acq: 15 Sep 2022 19:35

Instrument :

MSVOA_N

ClientSampleId :

256074-1



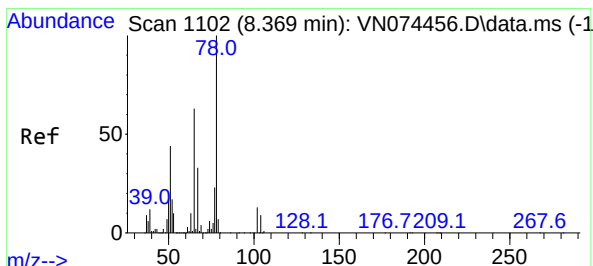
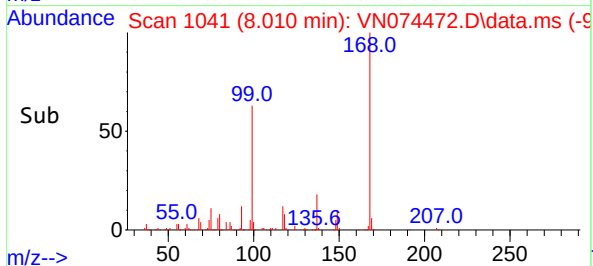
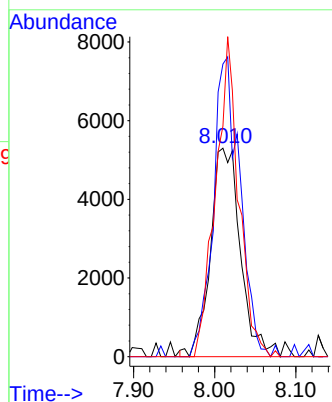
Tgt Ion: 56 Resp: 13614

Ion Ratio Lower Upper

56 100

69 140.3 27.8 41.8#

84 110.5 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 42.632 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074472.D

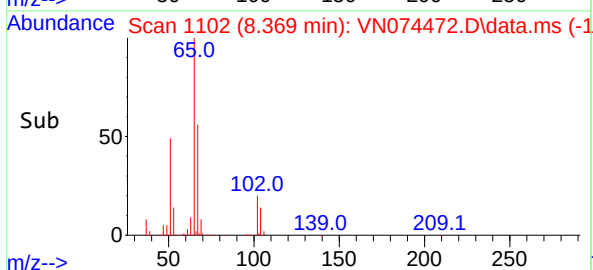
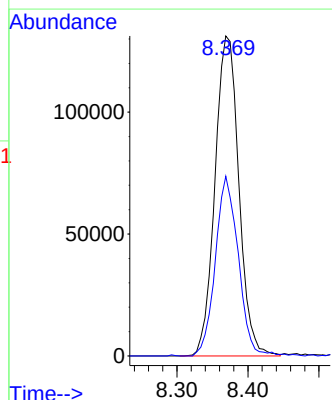
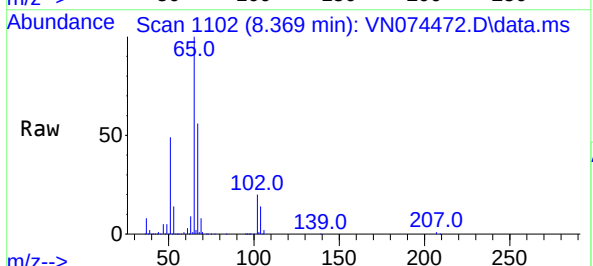
Acq: 15 Sep 2022 19:35

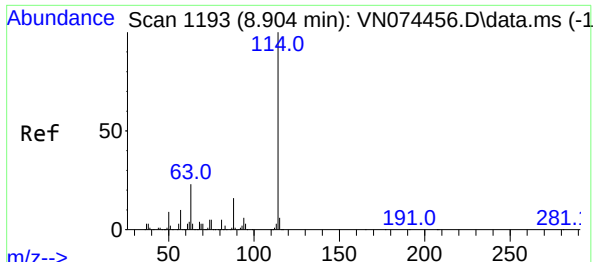
Tgt Ion: 65 Resp: 306512

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.8

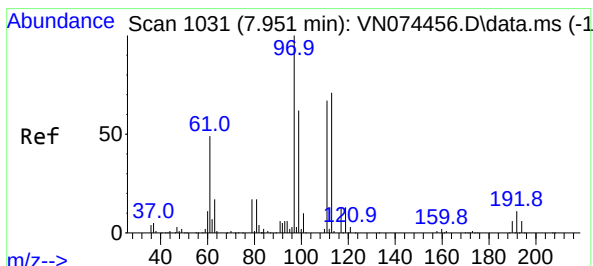
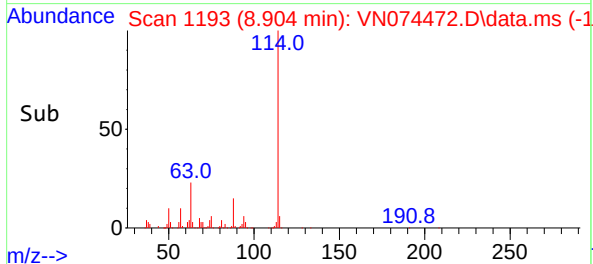
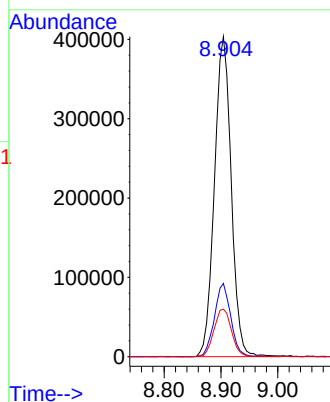
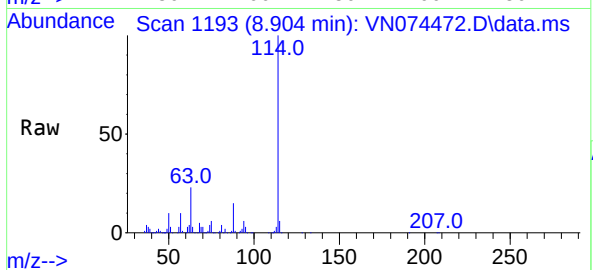




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

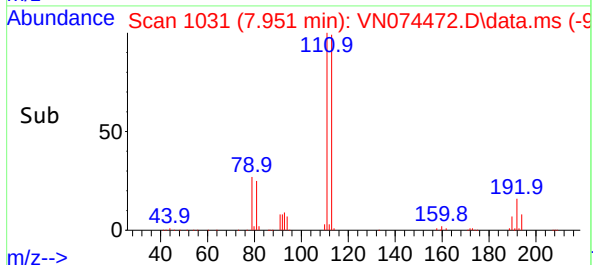
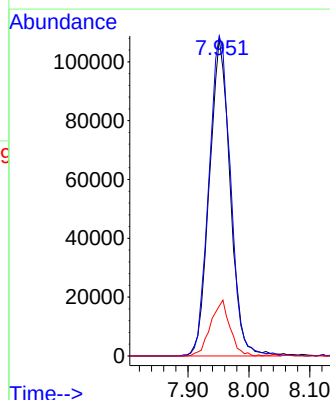
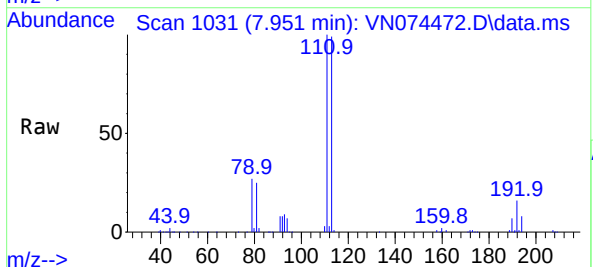
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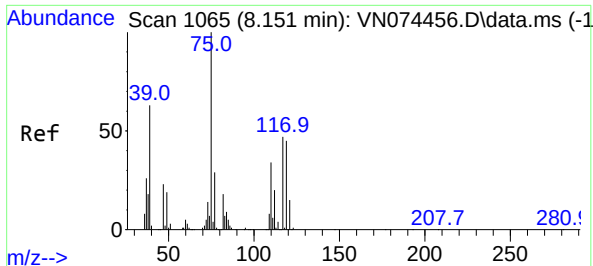
Tgt Ion:	114	Resp:	825551
Ion Ratio	Lower	Upper	
114	100		
63	22.9	0.0	40.0
88	14.9	0.0	32.6



#35
Dibromofluoromethane
Concen: 46.558 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

Tgt Ion:	113	Resp:	255323
Ion Ratio	Lower	Upper	
113	100		
111	105.1	81.4	122.0
192	16.4	17.0	25.6

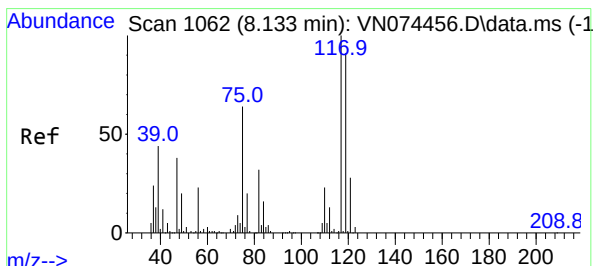
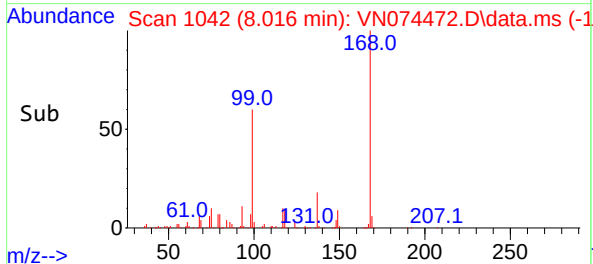
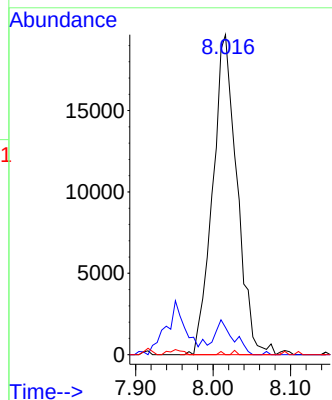
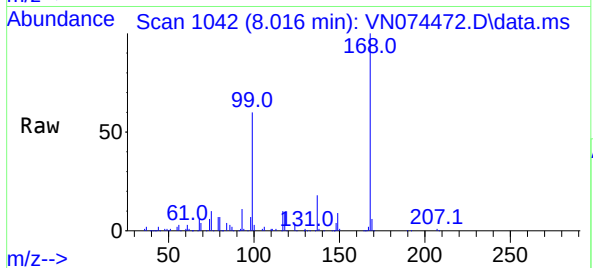




#36
1,1-Dichloropropene
Concen: 4.418 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

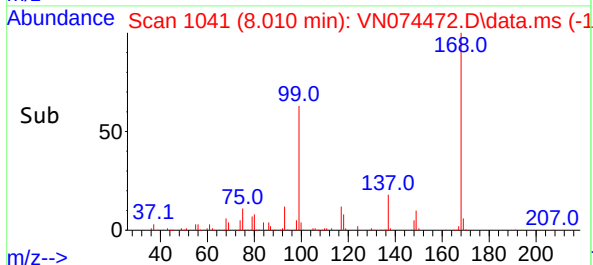
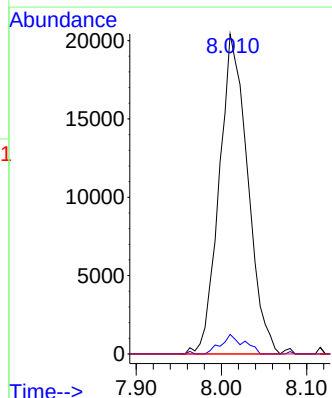
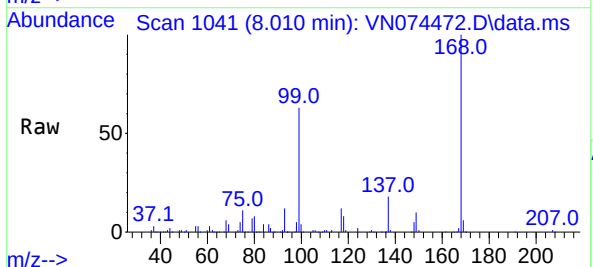
Instrument :
MSVOA_N
ClientSampleId :
256074-1

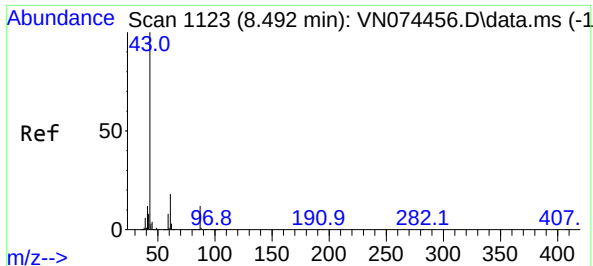
Tgt Ion: 75 Resp: 42884
Ion Ratio Lower Upper
75 100
110 8.2 18.3 54.8#
77 0.2 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.277 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.123 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

Tgt Ion: 117 Resp: 47297
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.8#
121 0.0 24.6 37.0#

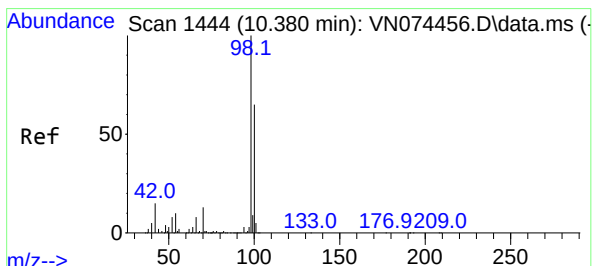
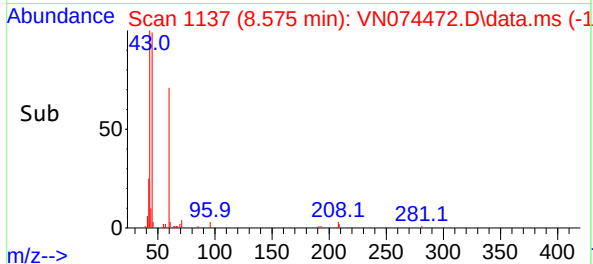
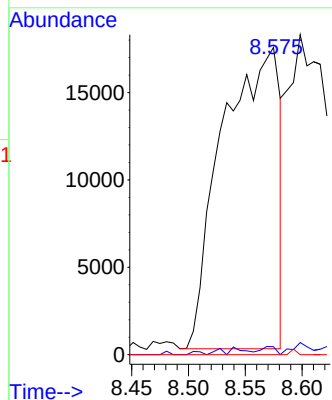
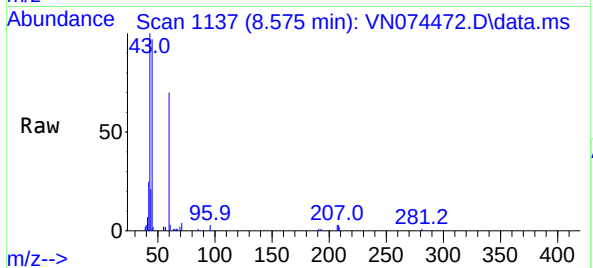




#43
Isopropyl Acetate
Concen: 2.568 ug/l
RT: 8.575 min Scan# 1123
Delta R.T. 0.083 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

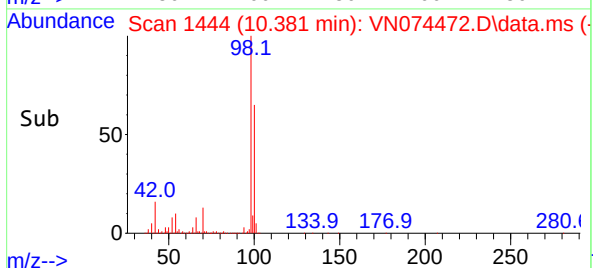
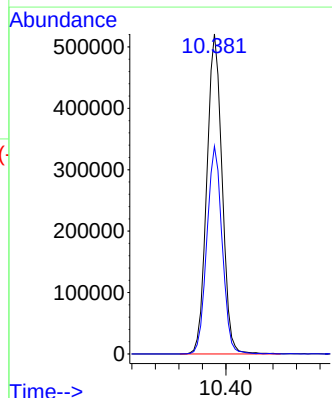
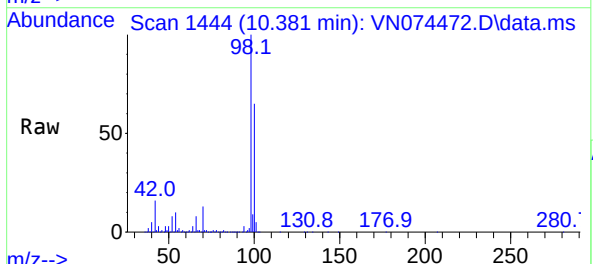
Instrument :
MSVOA_N
ClientSampleId :
256074-1

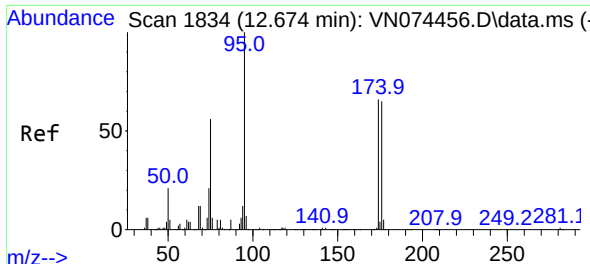
Tgt Ion: 43 Resp: 60297
Ion Ratio Lower Upper
43 100
61 0.7 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 44.199 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

Tgt Ion: 98 Resp: 937406
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

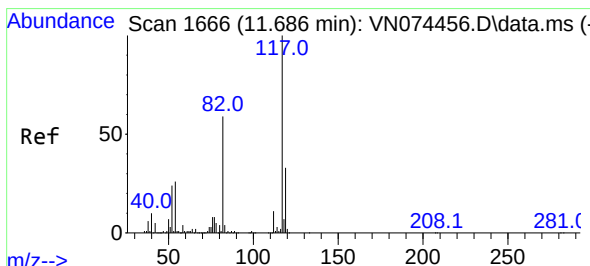
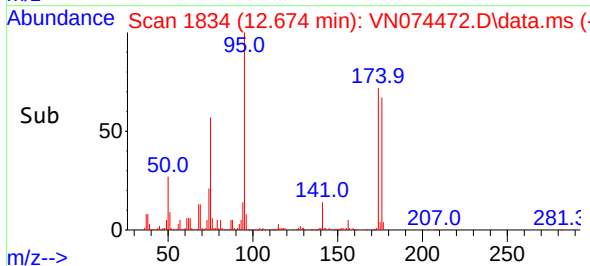
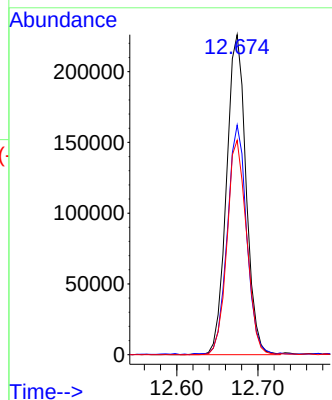
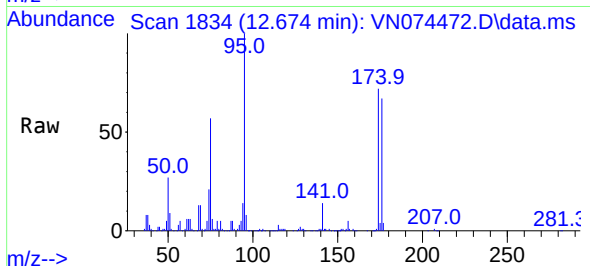




#62
4-Bromofluorobenzene
Concen: 51.937 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

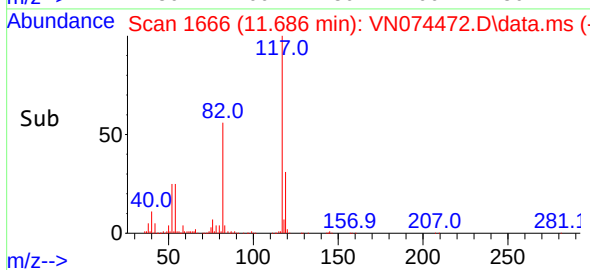
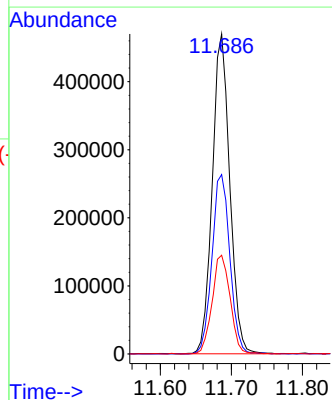
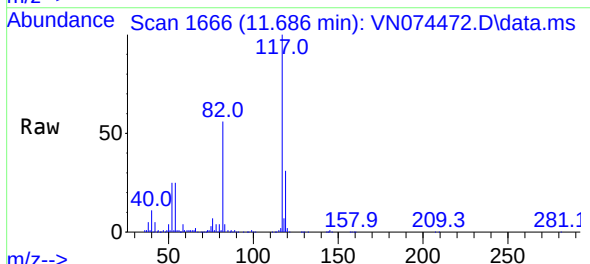
Instrument :
MSVOA_N
ClientSampleId :
256074-1

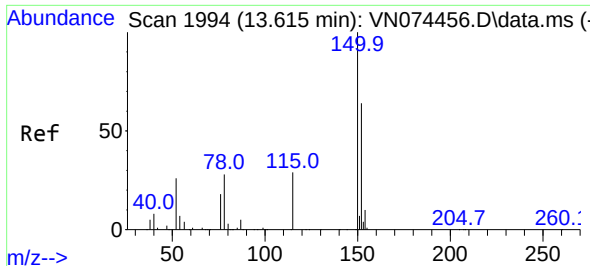
Tgt Ion: 95 Resp: 377262
Ion Ratio Lower Upper
95 100
174 71.5 0.0 167.6
176 67.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

Tgt Ion: 117 Resp: 801497
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.2
119 30.9 25.4 38.0

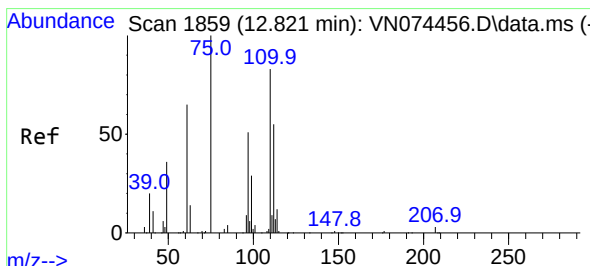
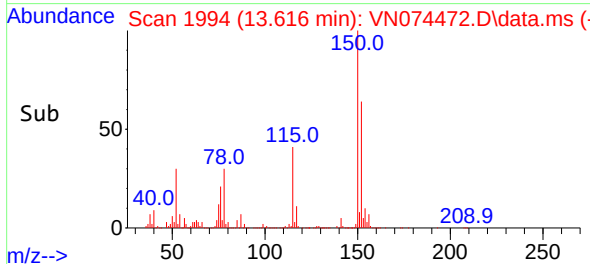
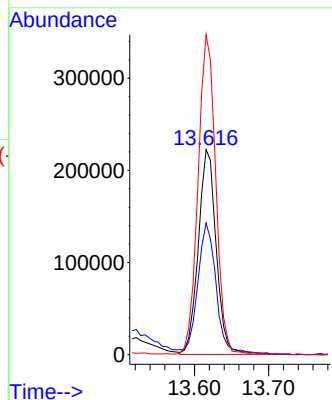
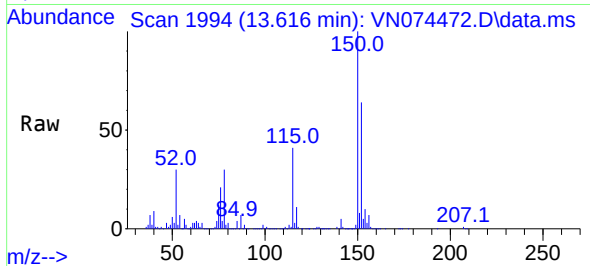




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.001 min
 Lab File: VN074472.D
 Acq: 15 Sep 2022 19:35

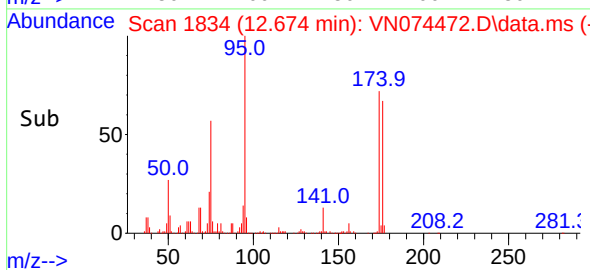
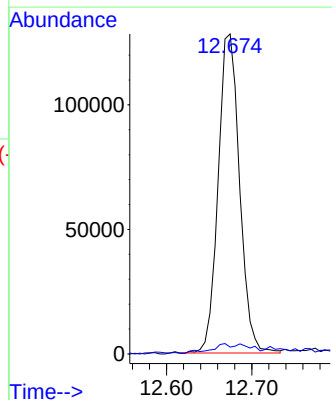
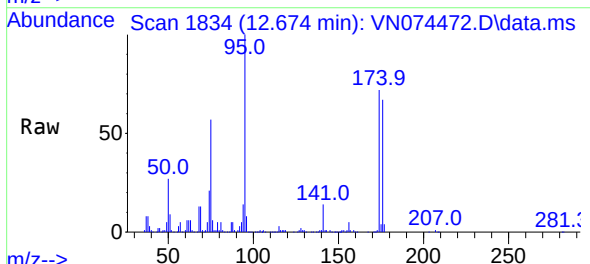
Instrument :
 MSVOA_N
 ClientSampleId :
 256074-1

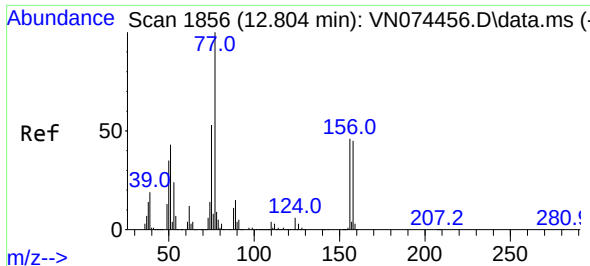
Tgt Ion:152 Resp: 375538
 Ion Ratio Lower Upper
 152 100
 115 67.0 28.9 86.7
 150 152.8 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 19.367 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN074472.D
 Acq: 15 Sep 2022 19:35

Tgt Ion: 75 Resp: 223866
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#

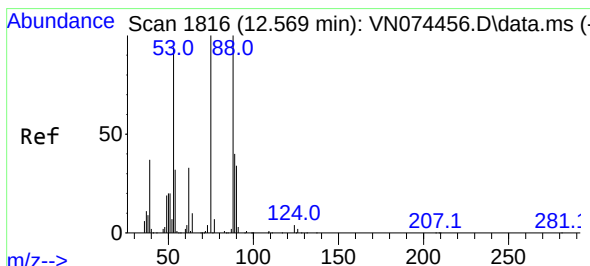
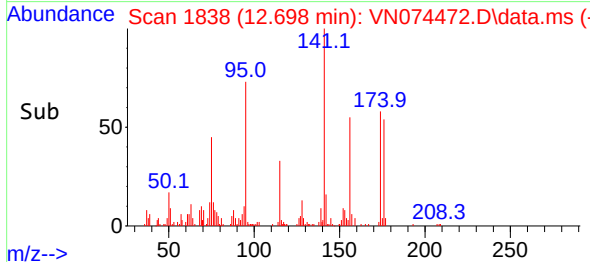
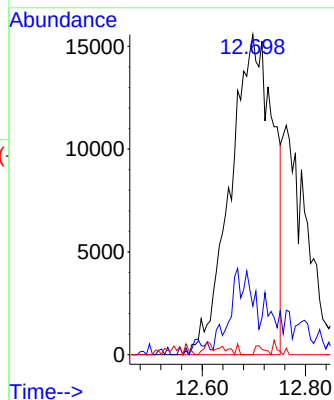
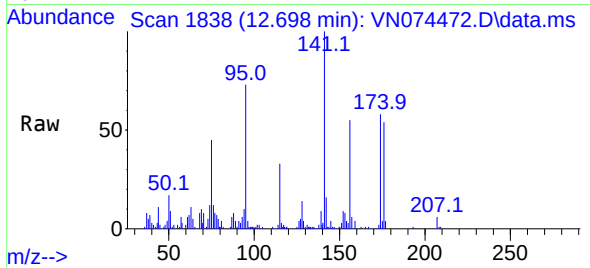




#77
Bromobenzene
Concen: 10.865 ug/l
RT: 12.698 min Scan# 1838
Delta R.T. -0.106 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

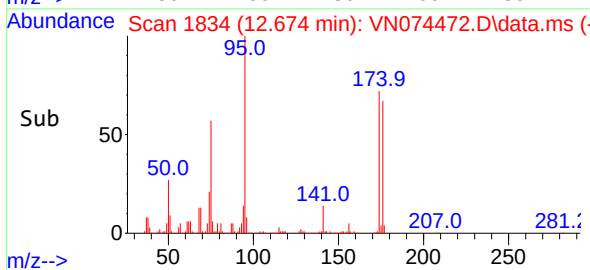
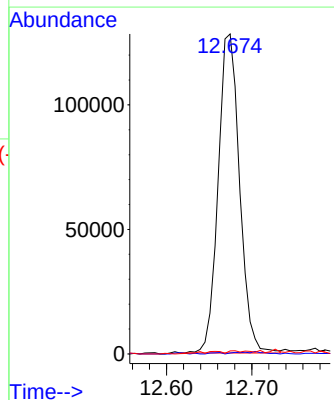
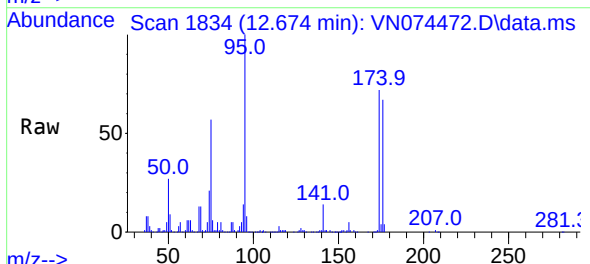
Instrument :
MSVOA_N
ClientSampleId :
256074-1

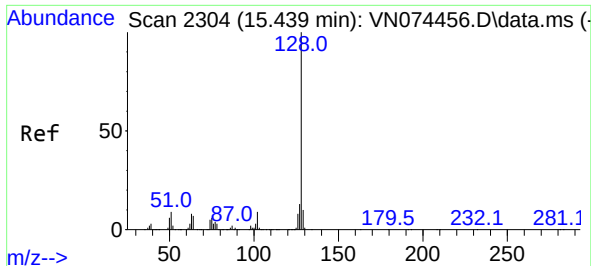
Tgt Ion:156 Resp: 89249
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 0.0 48.9 146.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 41.799 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.105 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

Tgt Ion: 75 Resp: 223866
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.4 37.2 55.8#

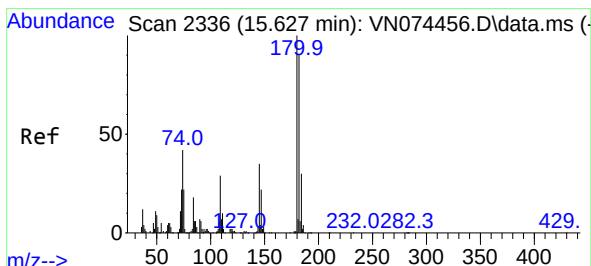
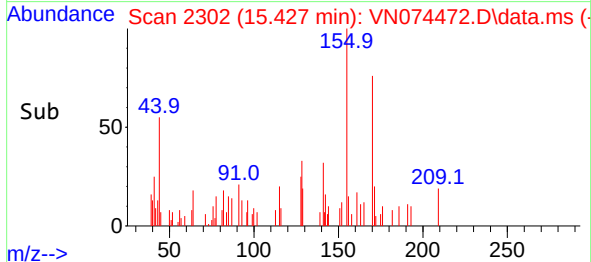
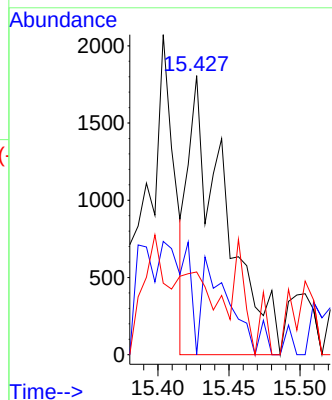
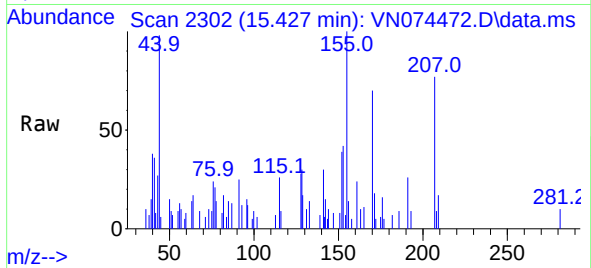




#95
Naphthalene
Concen: 1.687 ug/l
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

Instrument :
MSVOA_N
ClientSampleId :
256074-1

Tgt Ion:128 Resp: 3270
Ion Ratio Lower Upper
128 100
127 27.1 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.344 ug/l
RT: 15.621 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VN074472.D
Acq: 15 Sep 2022 19:35

Tgt Ion:180 Resp: 60
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

