

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092122\
 Data File : VN074614.D
 Acq On : 21 Sep 2022 15:26
 Operator : JC\MD
 Sample : PB147776ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147776ZHE#03

Quant Time: Sep 22 06:58:17 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)

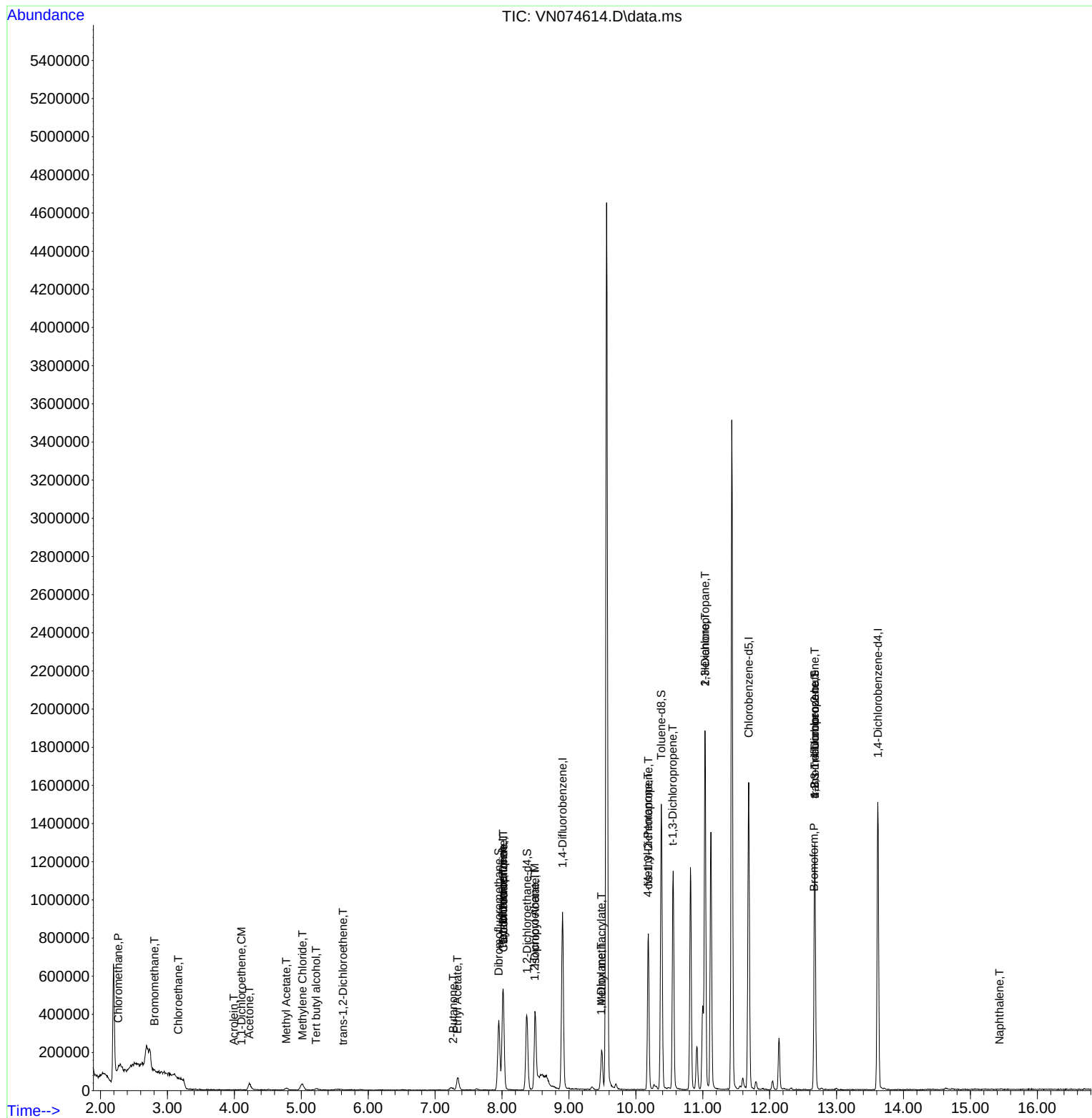
Internal Standards						
1) Pentafluorobenzene	8.010	168	373923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	732067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	819501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	353594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	295061	46.507	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.020%		
35) Dibromofluoromethane	7.951	113	251022	51.619	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.240%		
50) Toluene-d8	10.381	98	952596	50.651	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.300%		
62) 4-Bromofluorobenzene	12.674	95	378349	58.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	117.480%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	3755	0.804	ug/l #	43
5) Bromomethane	2.805	94	1557	0.403	ug/l #	64
6) Chloroethane	3.163	64	3605	0.720	ug/l #	42
11) Tert butyl alcohol	5.222	59	3707	1.794	ug/l #	72
12) 1,1-Dichloroethene	4.104	96	233	0.731	ug/l #	1
13) Acrolein	3.993	56	273	0.362	ug/l #	30
16) Acetone	4.222	43	59375	14.625	ug/l	89
18) Methyl Acetate	4.775	43	22563	1.789	ug/l #	63
20) Methylene Chloride	5.016	84	22802	3.707	ug/l #	78
21) trans-1,2-Dichloroethene	5.622	96	70	0.442	ug/l #	18
25) 2-Butanone	7.269	43	7897	1.172	ug/l #	77
31) Cyclohexane	8.016	56	11788	1.047	ug/l #	59
36) 1,1-Dichloropropene	8.016	75	35999	4.182	ug/l #	45
37) Ethyl Acetate	7.334	43	104980	7.897	ug/l #	94
38) Carbon Tetrachloride	8.022	117	39592	4.982	ug/l #	16
42) 1,2-Dichloroethane	8.487	62	2279	0.250	ug/l #	74
43) Isopropyl Acetate	8.492	43	520179	24.982	ug/l #	80
48) Methyl methacrylate	9.486	41	12962	1.404	ug/l #	37
49) 1,4-Dioxane	9.481	88	81	0.456	ug/l #	1
51) 4-Methyl-2-Pentanone	10.181	43	327576	24.091	ug/l #	42
53) t-1,3-Dichloropropene	10.551	75	2833	0.271	ug/l #	71
54) cis-1,3-Dichloropropene	10.186	75	128000	11.426	ug/l #	77
57) 1,3-Dichloropropane	11.033	76	18729	1.616	ug/l #	42
59) 2-Hexanone	11.033	43	241251	23.242	ug/l #	50
71) Bromoform	12.663	173	2149	0.391	ug/l #	1
76) 1,2,3-Trichloropropane	12.674	75	235895	21.674	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	235895	46.779	ug/l #	10
95) Naphthalene	15.433	128	1931	1.651	ug/l #	73

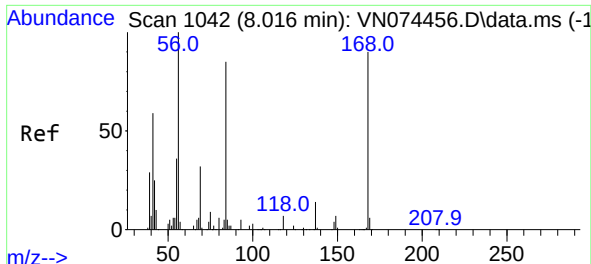
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

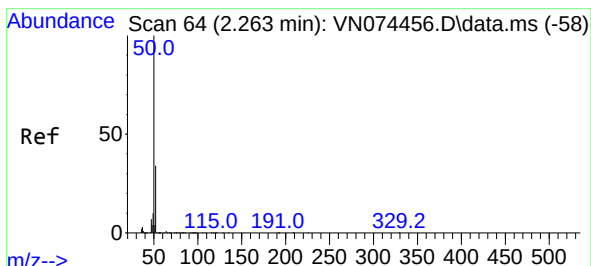
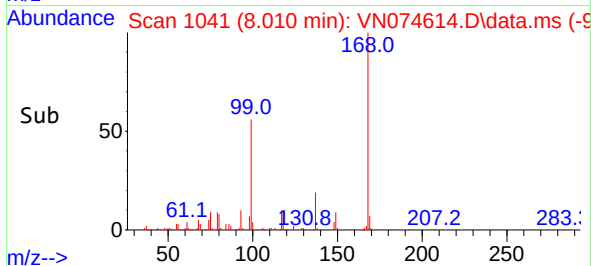
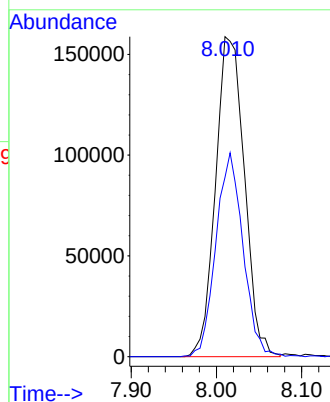
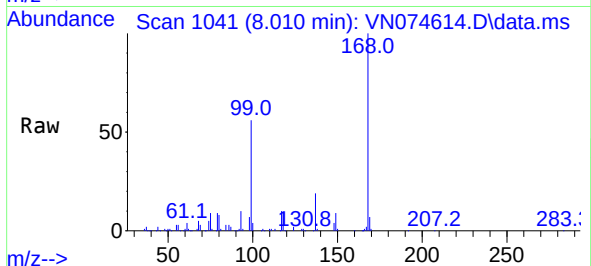




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

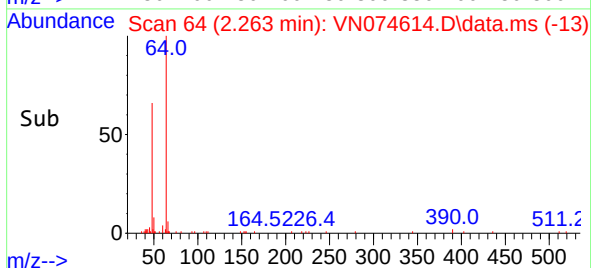
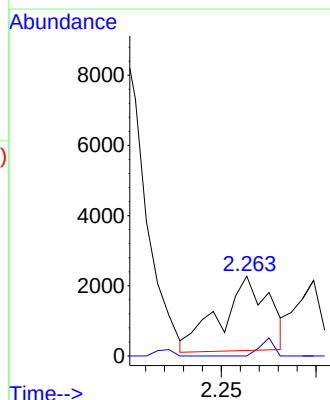
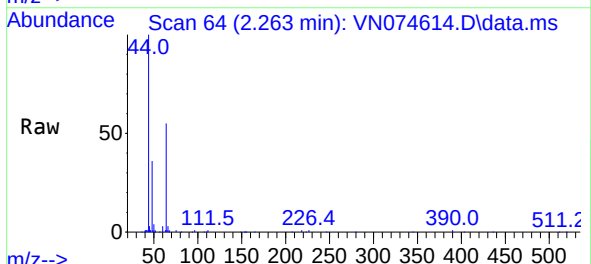
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#03

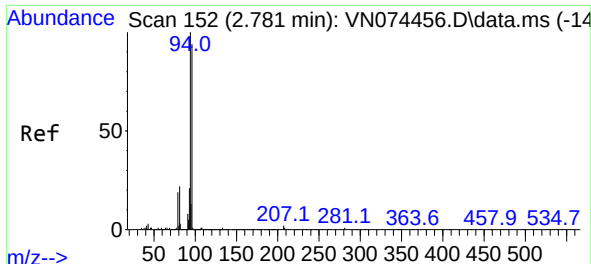
Tgt Ion:168 Resp: 373923
Ion Ratio Lower Upper
168 100
99 56.1 42.3 63.5



#3
Chloromethane
Concen: 0.804 ug/l
RT: 2.263 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion: 50 Resp: 3755
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

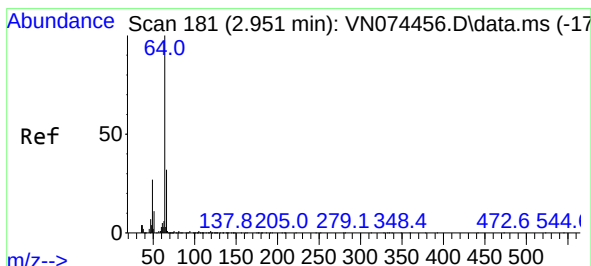
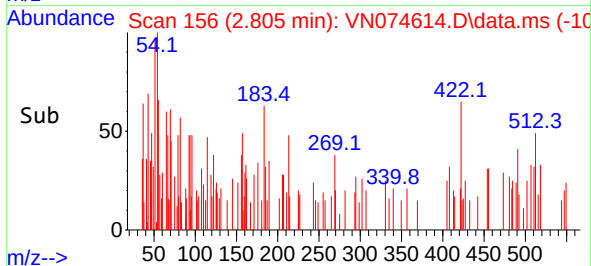
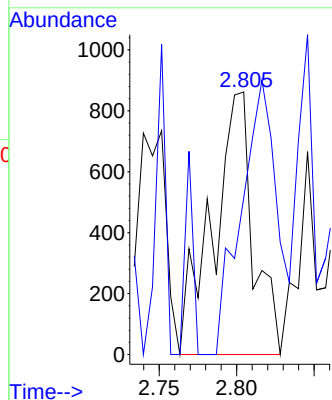
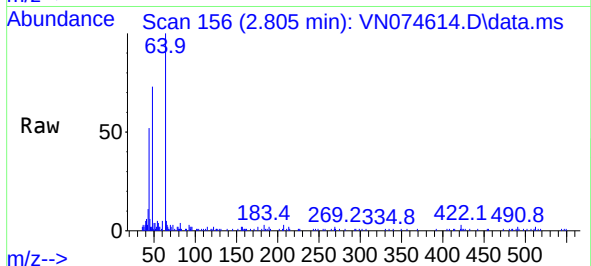




#5
Bromomethane
Concen: 0.403 ug/l
RT: 2.805 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

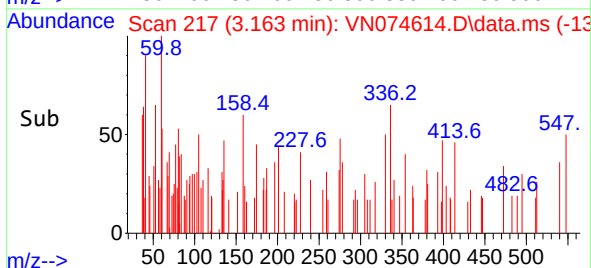
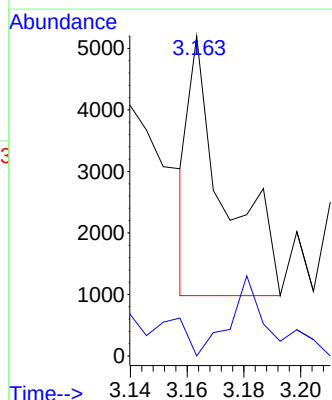
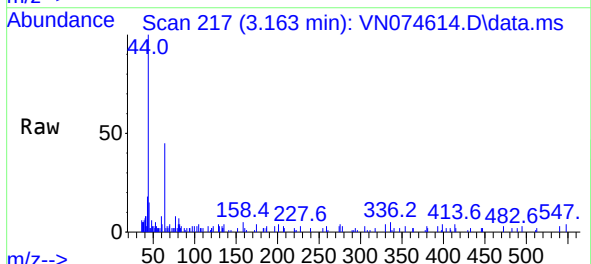
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#03

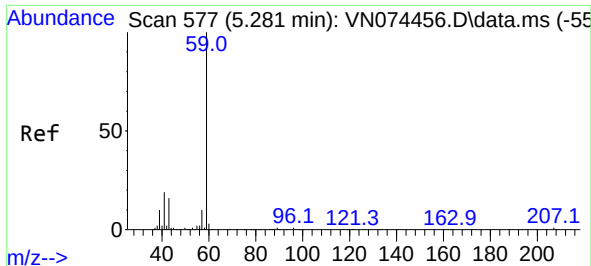
Tgt Ion: 94 Resp: 1557
Ion Ratio Lower Upper
94 100
96 59.6 76.0 114.0#



#6
Chloroethane
Concen: 0.720 ug/l
RT: 3.163 min Scan# 217
Delta R.T. 0.212 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion: 64 Resp: 3605
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

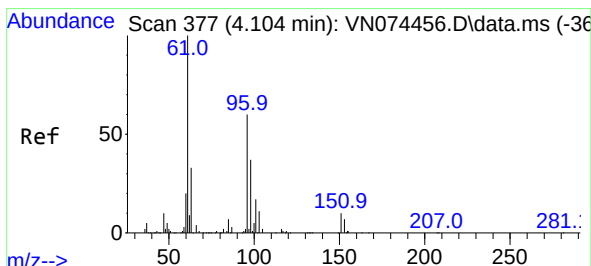
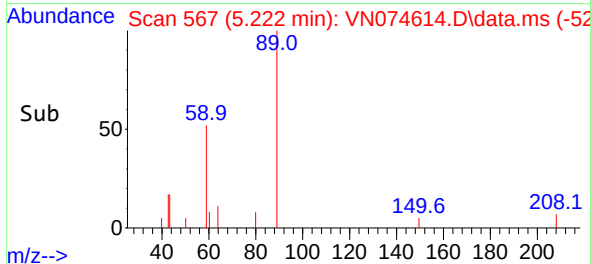
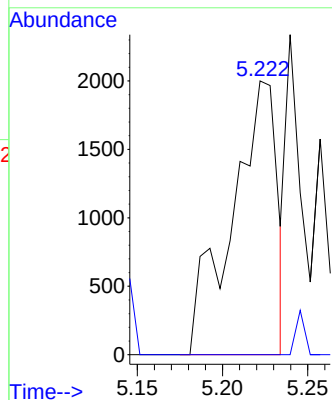
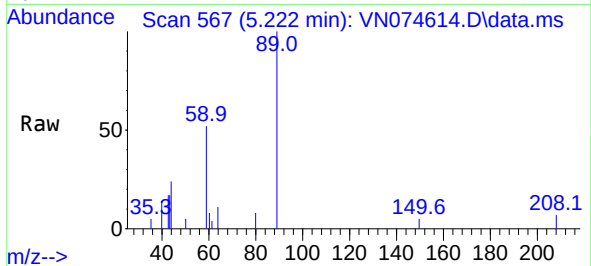




#11
Tert butyl alcohol
Concen: 1.794 ug/l
RT: 5.222 min Scan# 509
Delta R.T. -0.059 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

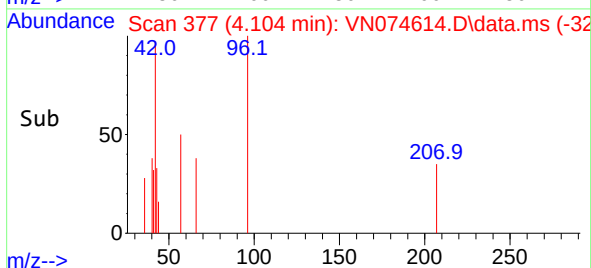
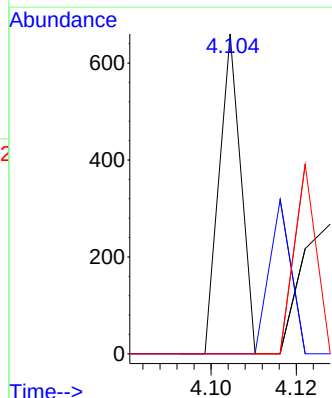
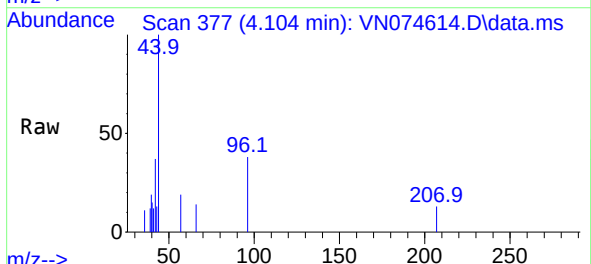
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#03

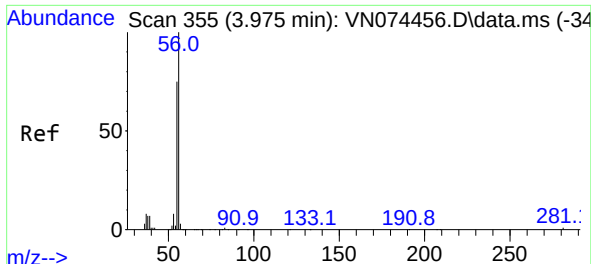
Tgt Ion: 59 Resp: 3707
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.731 ug/l
RT: 4.104 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion: 96 Resp: 233
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

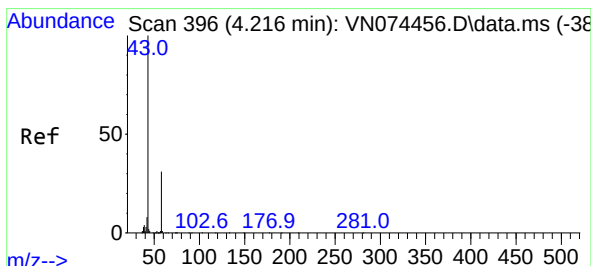
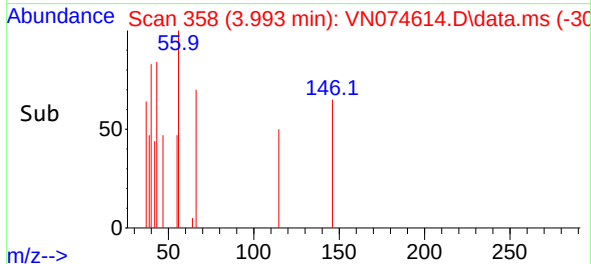
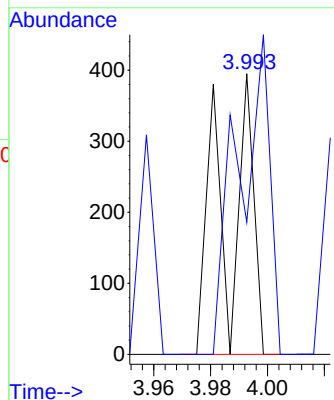
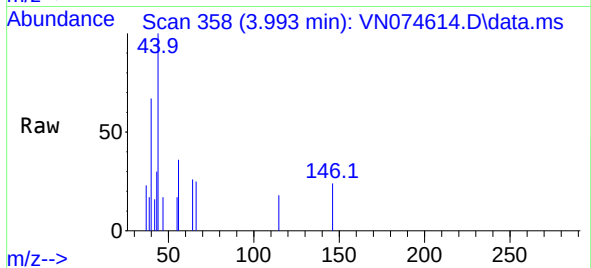




#13
Acrolein
Concen: 0.362 ug/l
RT: 3.993 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

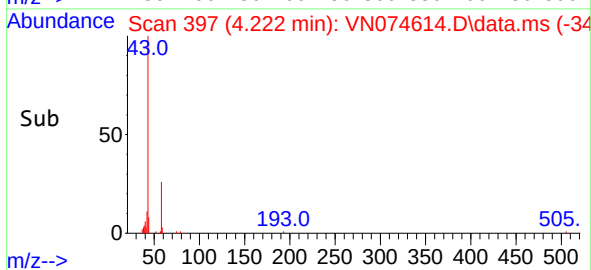
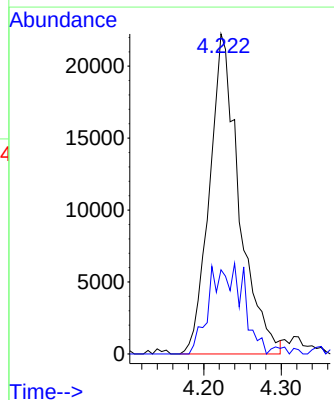
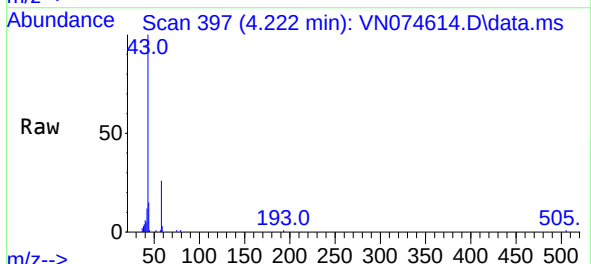
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#03

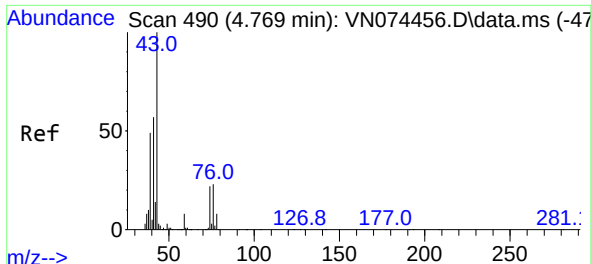
Tgt Ion: 56 Resp: 273
Ion Ratio Lower Upper
56 100
55 125.6 54.8 82.2#



#16
Acetone
Concen: 14.625 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion: 43 Resp: 59375
Ion Ratio Lower Upper
43 100
58 26.3 26.0 39.0





#18

Methyl Acetate

Concen: 1.789 ug/l

RT: 4.775 min Scan# 491

Delta R.T. 0.006 min

Lab File: VN074614.D

Acq: 21 Sep 2022 15:26

Instrument :

MSVOA_N

ClientSampleId :

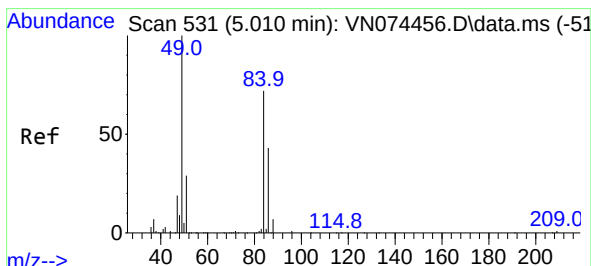
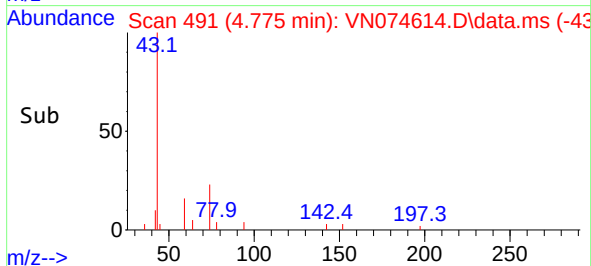
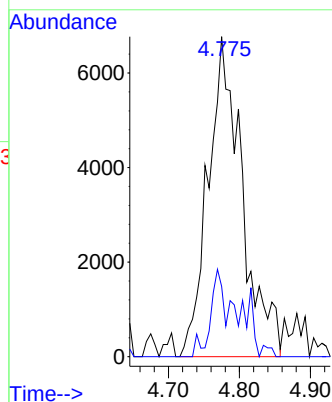
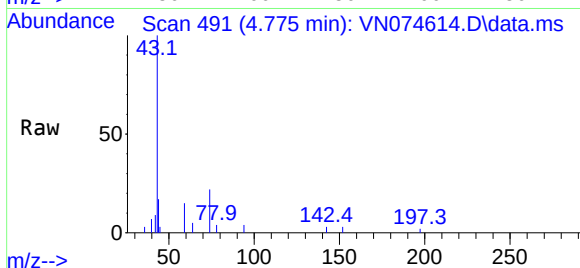
PB147776ZHE#03

Tgt Ion: 43 Resp: 22563

Ion Ratio Lower Upper

43 100

74 7.8 21.6 32.4#



#20

Methylene Chloride

Concen: 3.707 ug/l

RT: 5.016 min Scan# 532

Delta R.T. 0.006 min

Lab File: VN074614.D

Acq: 21 Sep 2022 15:26

Tgt Ion: 84 Resp: 22802

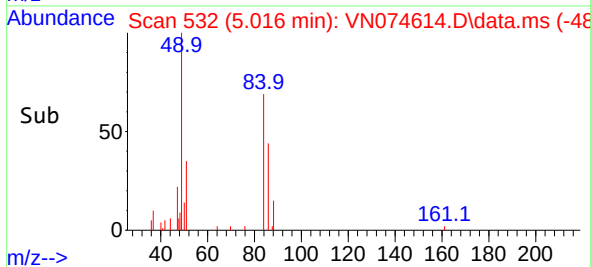
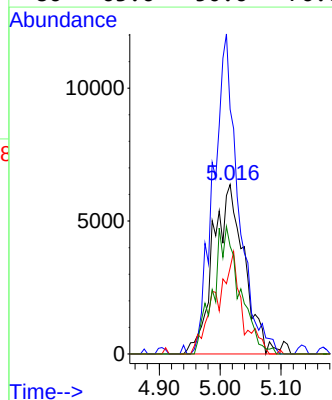
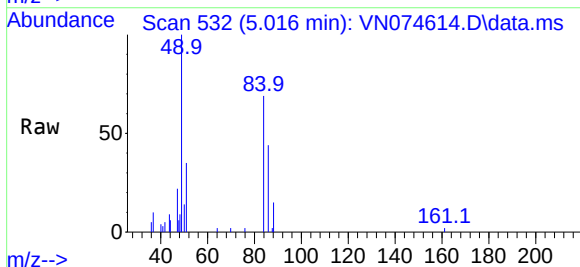
Ion Ratio Lower Upper

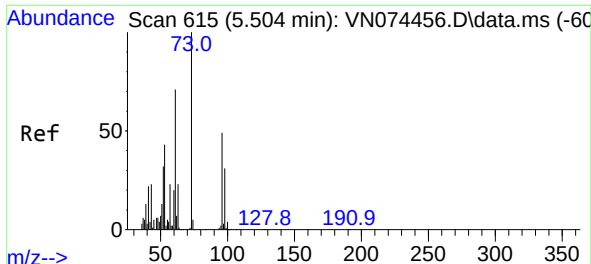
84 100

49 144.4 88.3 132.5#

51 50.8 28.2 42.2#

86 63.6 50.6 76.0

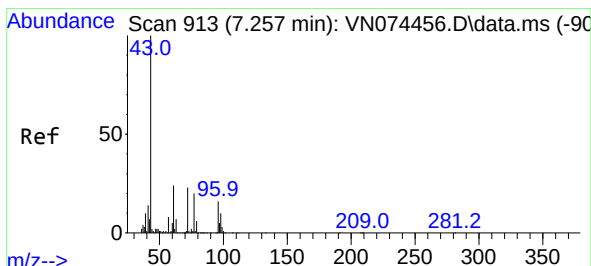
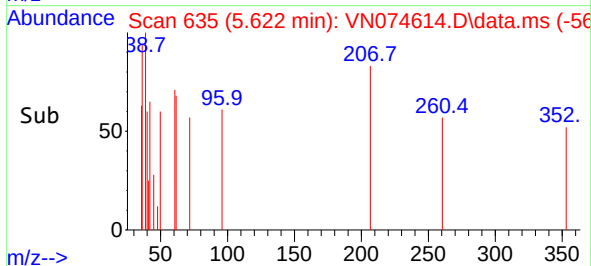
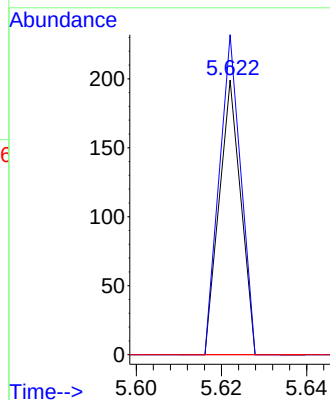
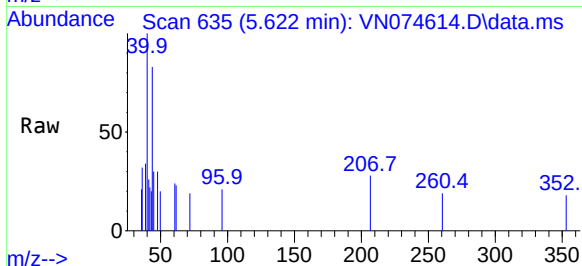




#21
trans-1,2-Dichloroethene
Concen: 0.442 ug/l
RT: 5.622 min Scan# 615
Delta R.T. 0.118 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

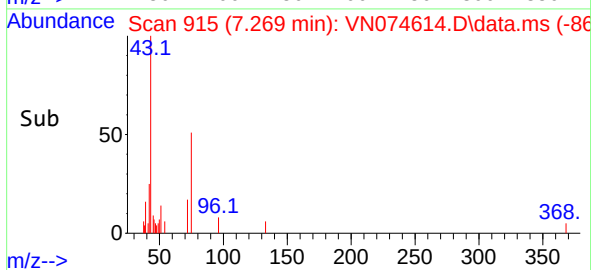
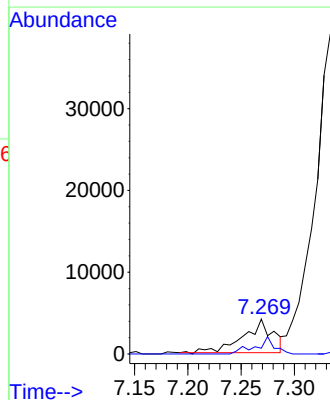
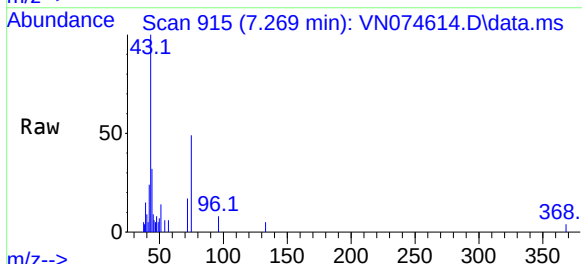
Instrument :
MSVOA_N
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PB147776ZHE#03

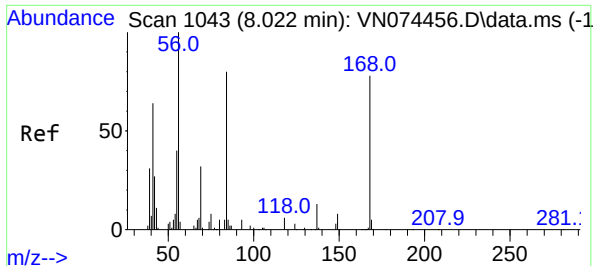
Tgt Ion: 96 Resp: 70
Ion Ratio Lower Upper
96 100
61 228.6 105.8 158.8#
98 0.0 50.3 75.5#



#25
2-Butanone
Concen: 1.172 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion: 43 Resp: 7897
Ion Ratio Lower Upper
43 100
72 17.2 23.7 35.5#

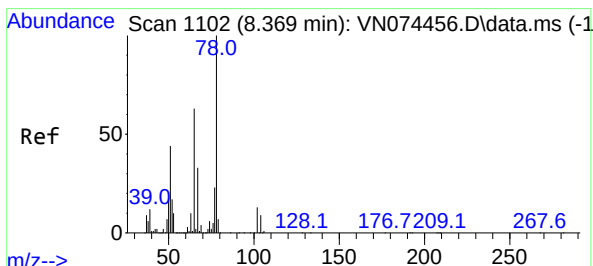
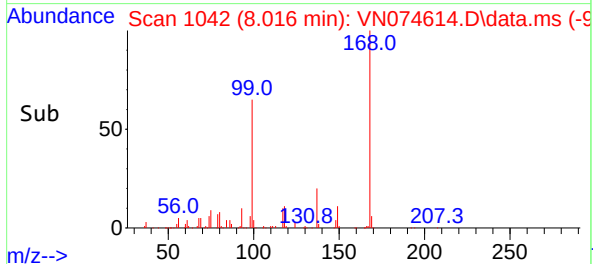
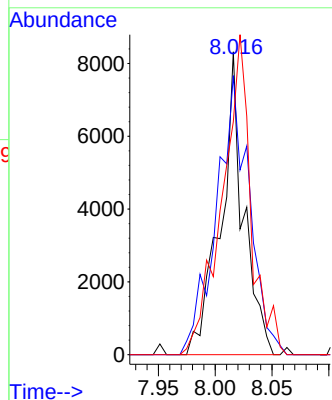
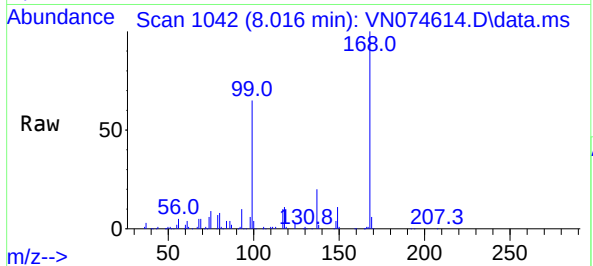




#31
Cyclohexane
Concen: 1.047 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

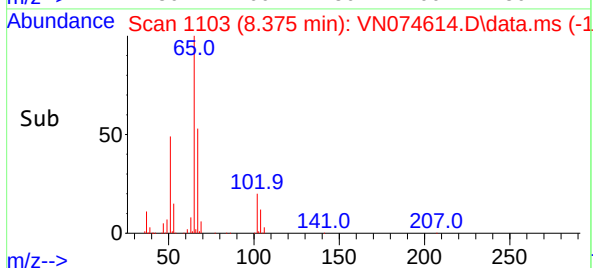
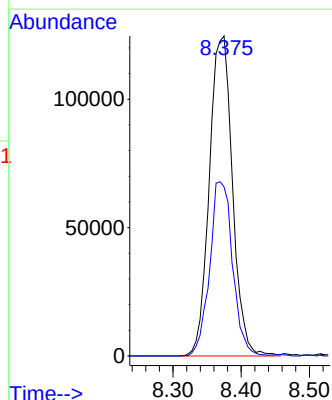
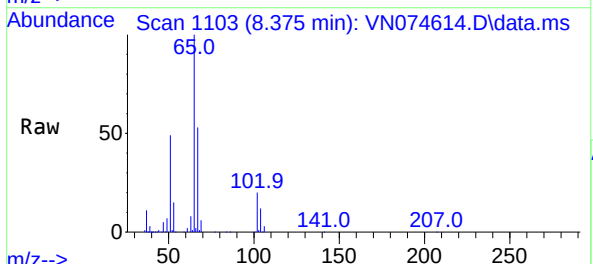
Instrument :
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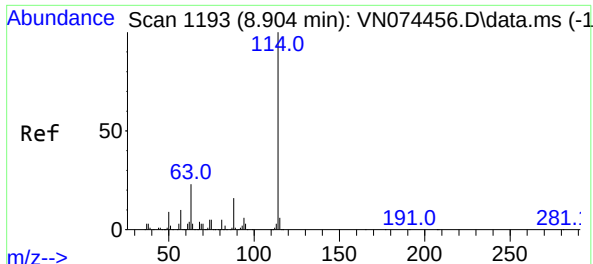
Tgt Ion: 56 Resp: 11788
Ion Ratio Lower Upper
56 100
69 92.1 27.8 41.8#
84 76.9 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 46.507 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion: 65 Resp: 295061
Ion Ratio Lower Upper
65 100
67 53.8 0.0 104.8

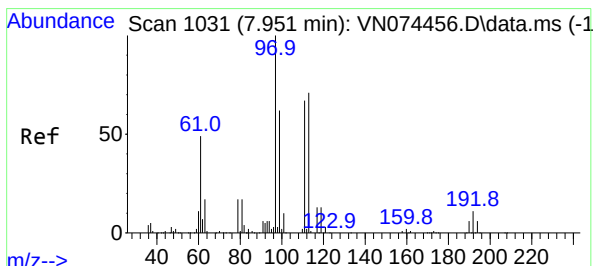
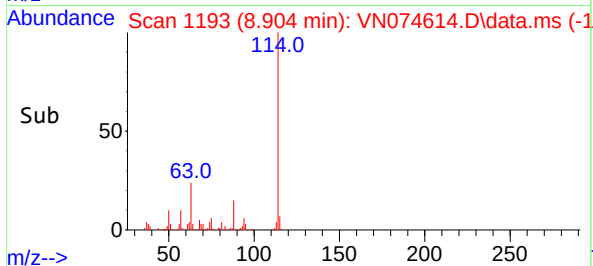
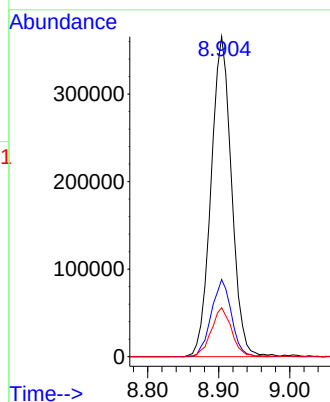
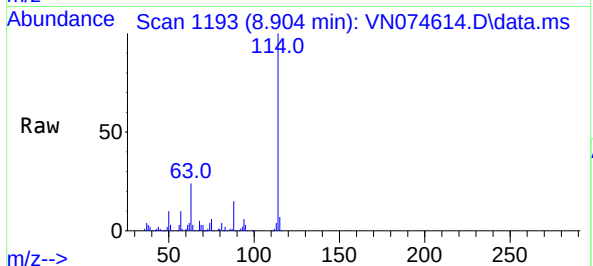




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

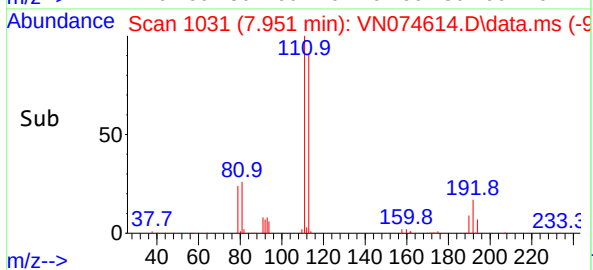
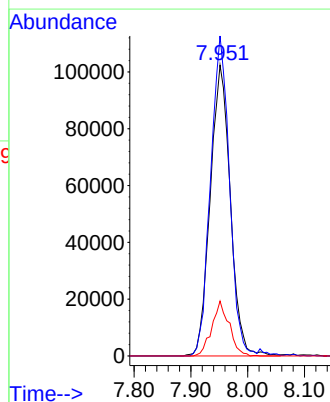
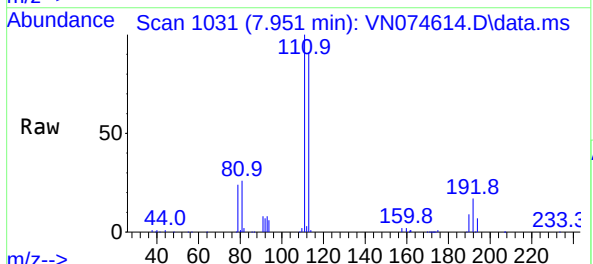
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#03

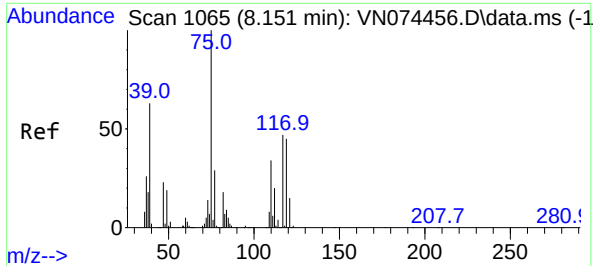
Tgt Ion:	114	Resp:	732067
Ion Ratio	Lower	Upper	
114	100		
63	24.1	0.0	40.0
88	15.3	0.0	32.6



#35
Dibromofluoromethane
Concen: 51.619 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion:	113	Resp:	251022
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.4	122.0
192	16.4	17.0	25.6

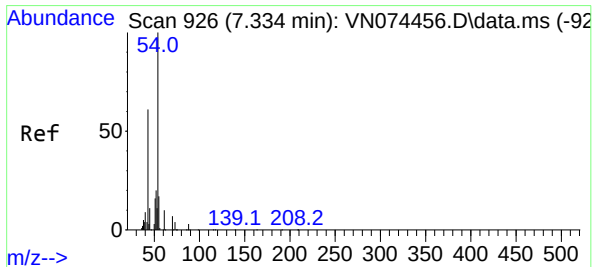
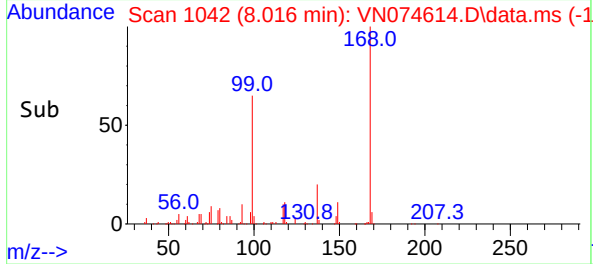
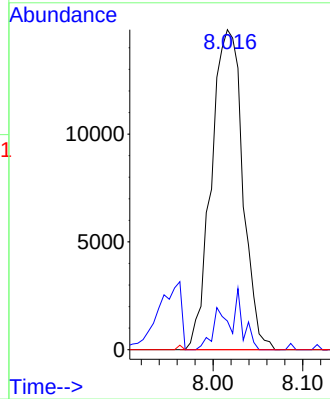
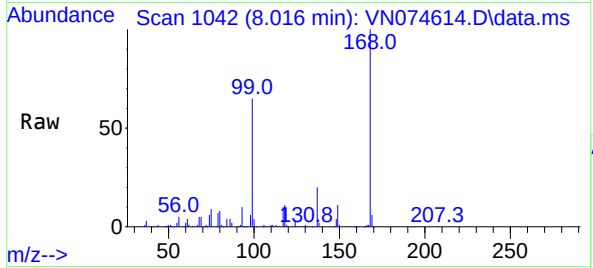




#36
1,1-Dichloropropene
Concen: 4.182 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

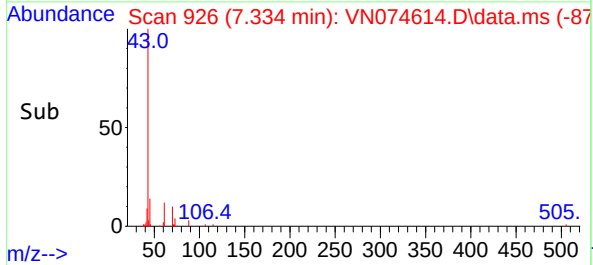
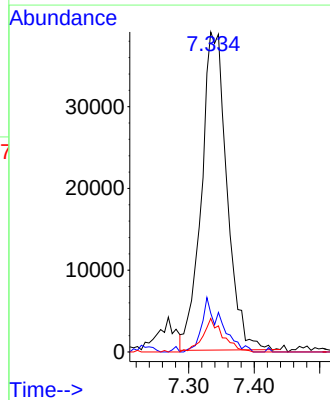
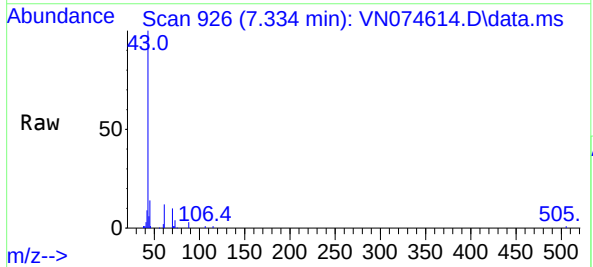
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#03

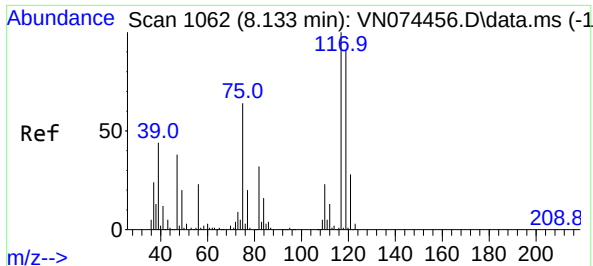
Tgt Ion: 75 Resp: 35999
Ion Ratio Lower Upper
75 100
110 4.8 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.897 ug/l
RT: 7.334 min Scan# 926
Delta R.T. -0.000 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion: 43 Resp: 104980
Ion Ratio Lower Upper
43 100
61 13.2 11.8 17.6
70 8.4 9.3 13.9#

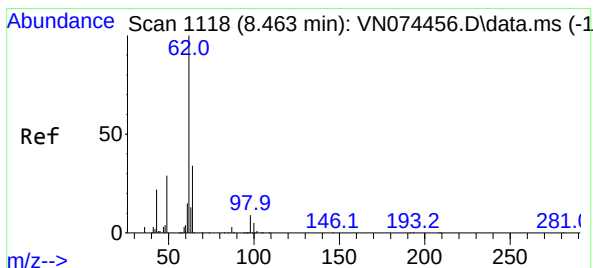
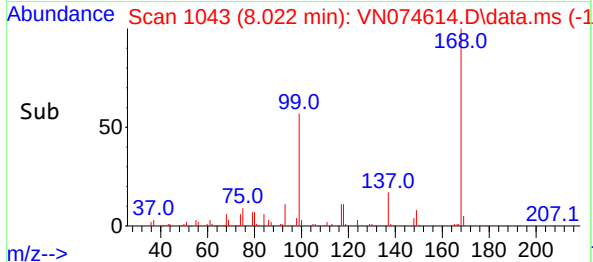
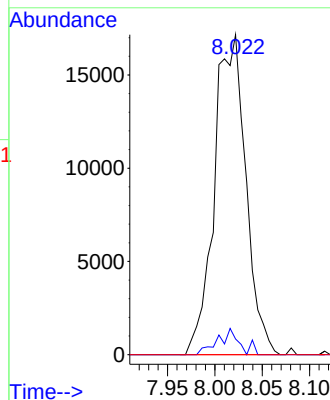
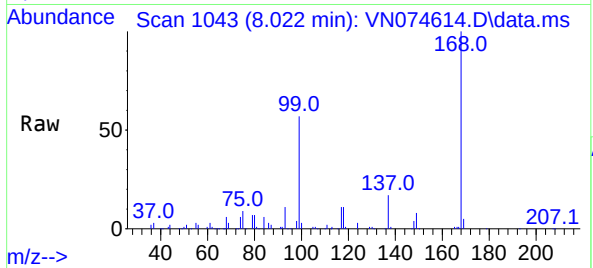




#38
Carbon Tetrachloride
Concen: 4.982 ug/l
RT: 8.022 min Scan# 110
Delta R.T. -0.111 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

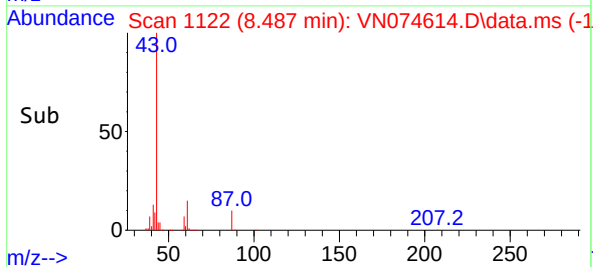
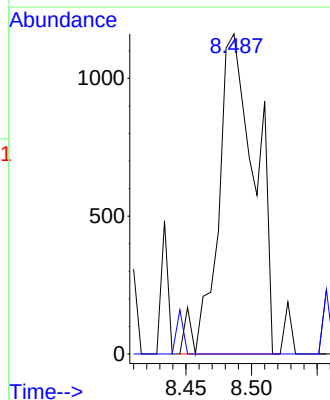
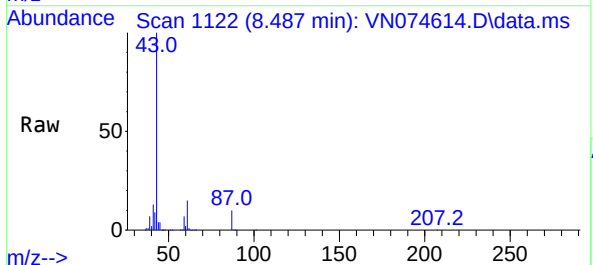
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#03

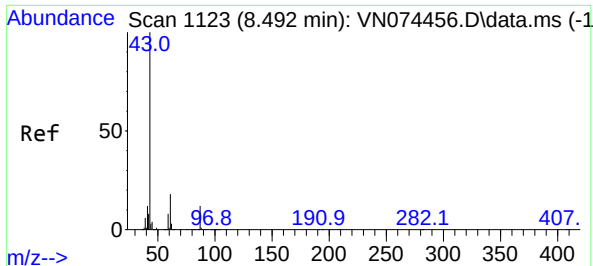
Tgt Ion:117 Resp: 39592
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.250 ug/l
RT: 8.487 min Scan# 1122
Delta R.T. 0.024 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion: 62 Resp: 2279
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

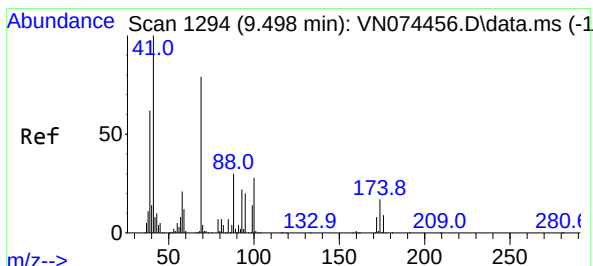
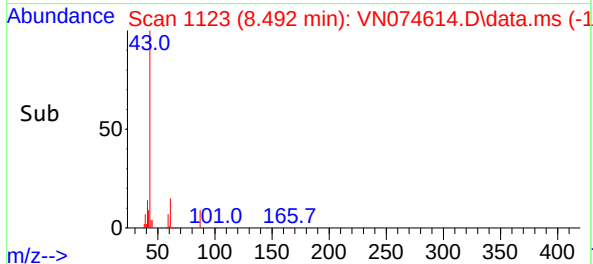
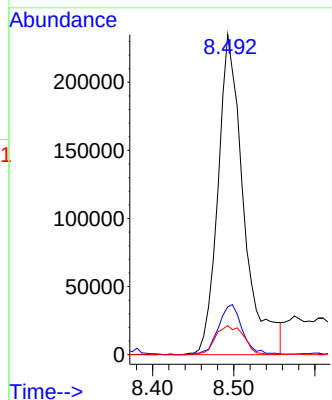
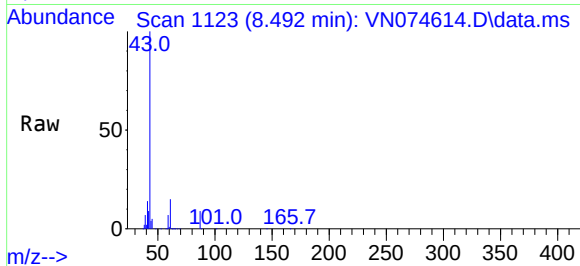




#43
Isopropyl Acetate
Concen: 24.982 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

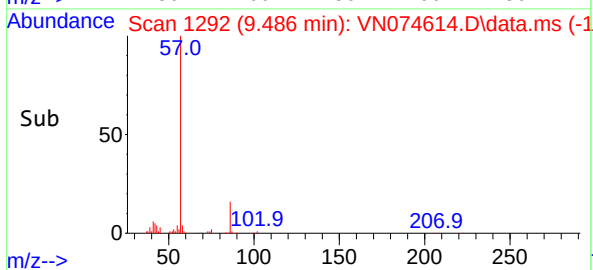
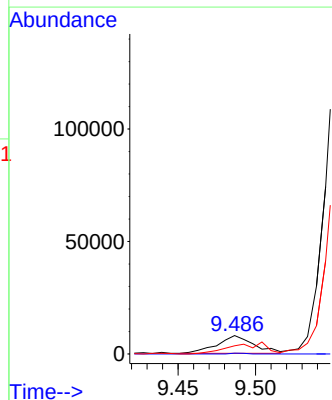
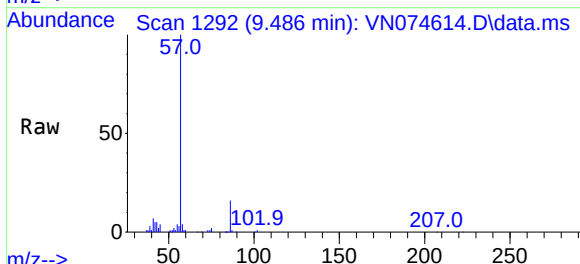
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#03

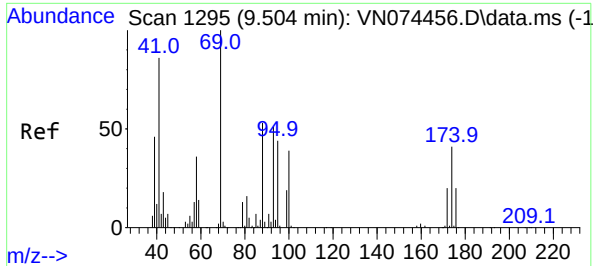
Tgt Ion: 43 Resp: 520179
Ion Ratio Lower Upper
43 100
61 14.6 21.9 32.9#
87 9.9 12.0 18.0#



#48
Methyl methacrylate
Concen: 1.404 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion: 41 Resp: 12962
Ion Ratio Lower Upper
41 100
69 1.7 74.7 112.1#
39 63.5 45.6 68.4

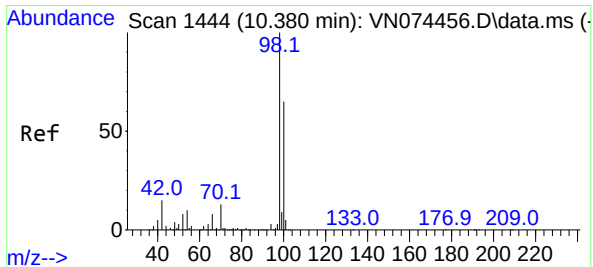
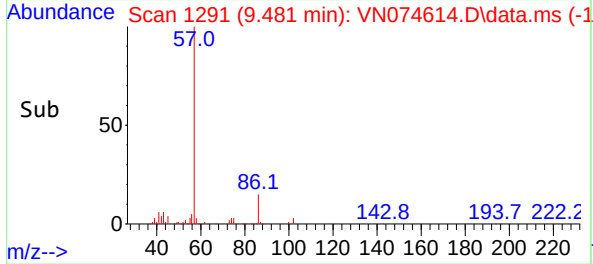
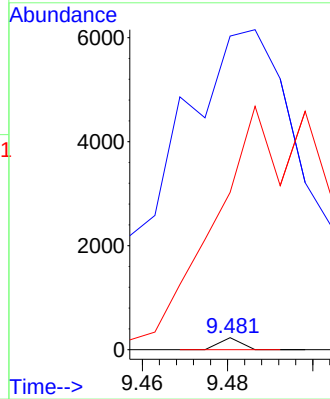
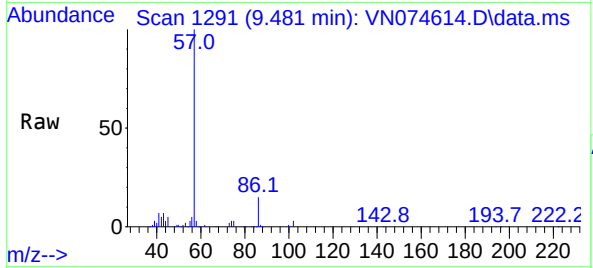




#49
1,4-Dioxane
Concen: 0.456 ug/l
RT: 9.481 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

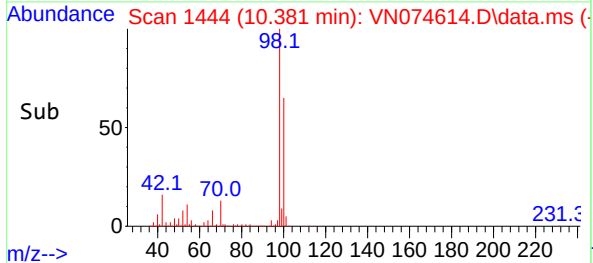
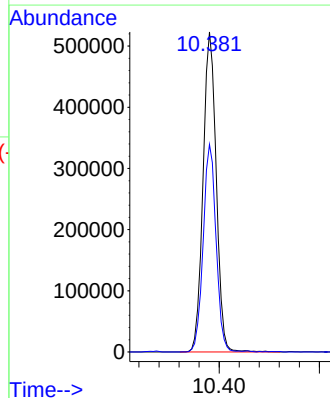
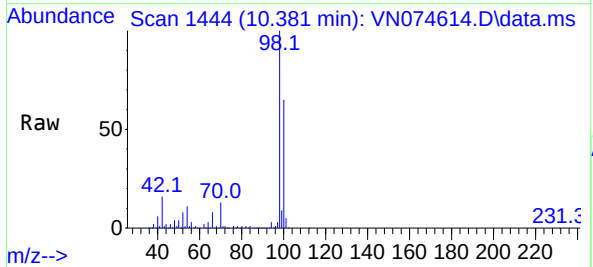
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#03

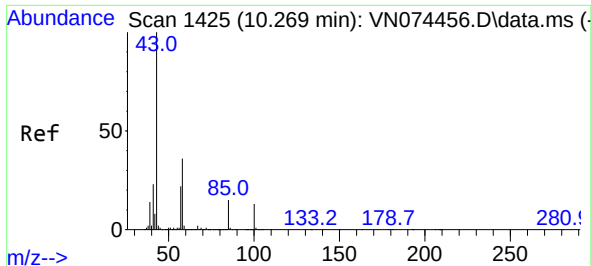
Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 11176.5 54.2 81.4#



#50
Toluene-d8
Concen: 50.651 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion: 98 Resp: 952596
Ion Ratio Lower Upper
98 100
100 63.5 52.6 78.8

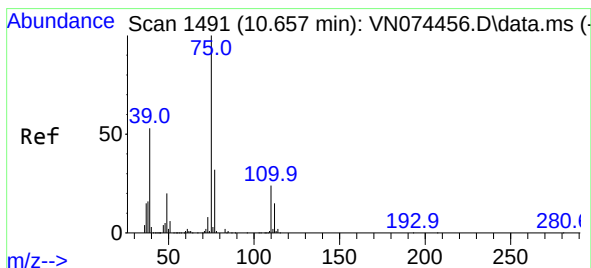
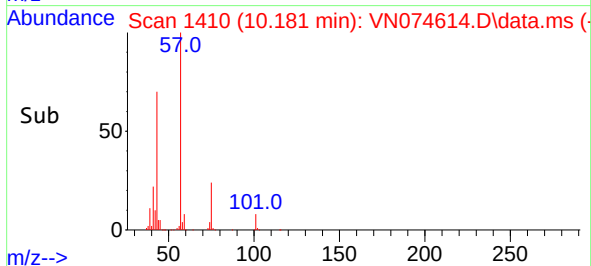
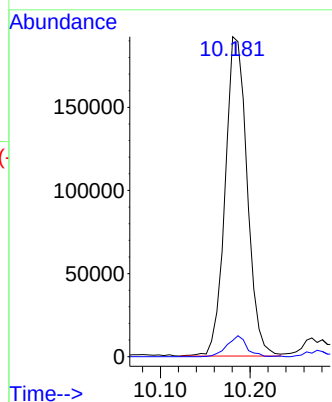
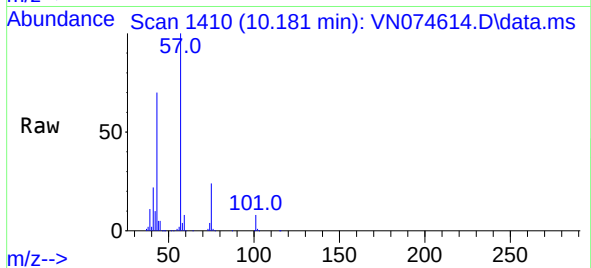




#51
4-Methyl-2-Pentanone
Concen: 24.091 ug/l
RT: 10.181 min Scan# 1425
Delta R.T. -0.088 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

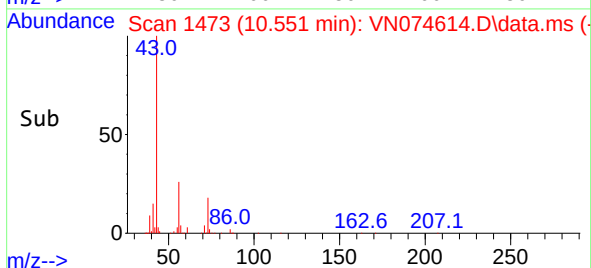
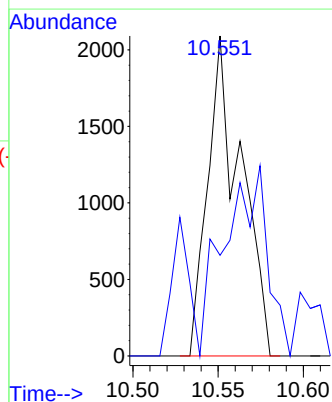
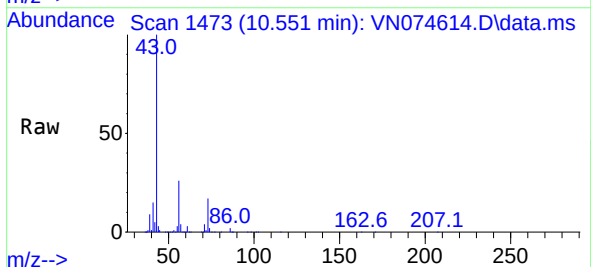
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#03

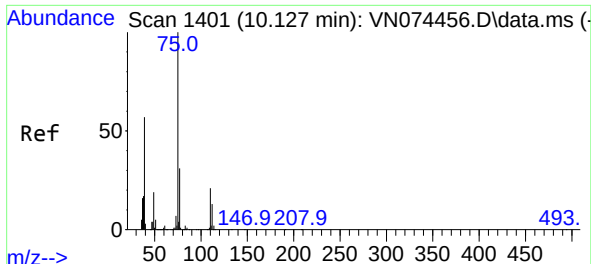
Tgt Ion: 43 Resp: 327576
Ion Ratio Lower Upper
43 100
58 5.9 34.1 51.1#



#53
t-1,3-Dichloropropene
Concen: 0.271 ug/l
RT: 10.551 min Scan# 1473
Delta R.T. -0.106 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion: 75 Resp: 2833
Ion Ratio Lower Upper
75 100
77 15.6 25.6 38.4#

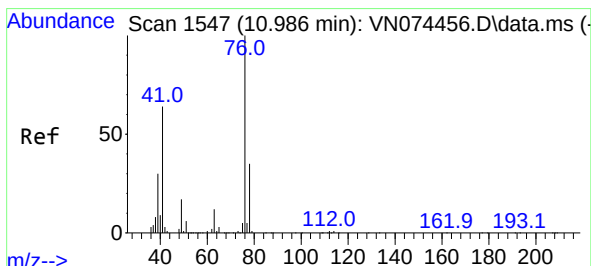
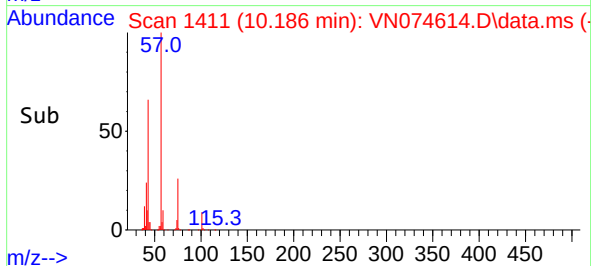
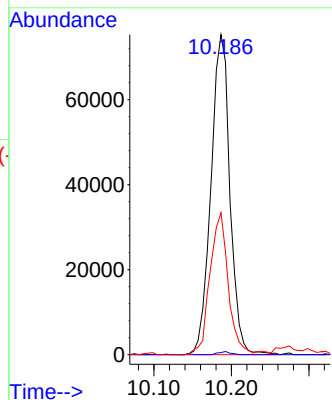
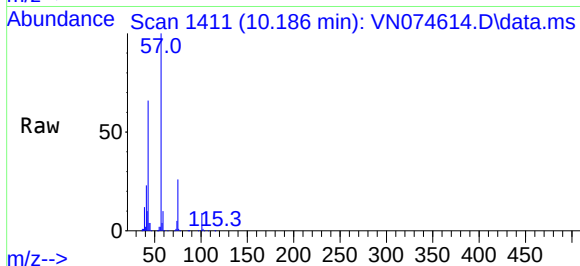




#54
 cis-1,3-Dichloropropene
 Concen: 11.426 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN074614.D
 Acq: 21 Sep 2022 15:26

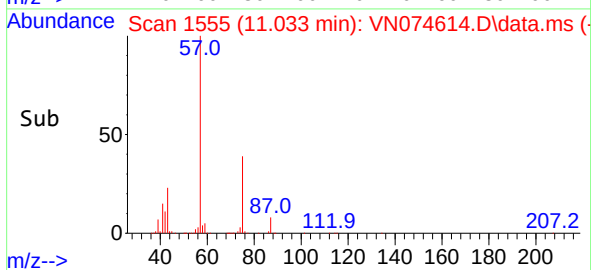
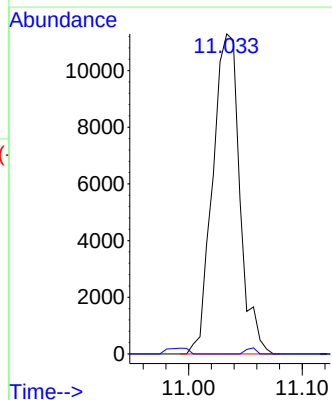
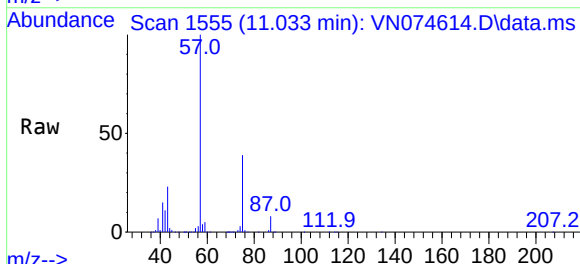
Instrument :
 MSVOA_N
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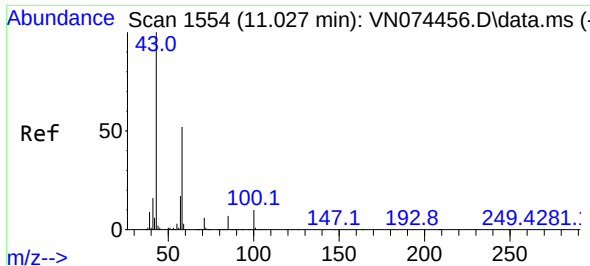
Tgt Ion: 75 Resp: 128000
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 44.4 35.7 53.5



#57
 1,3-Dichloropropane
 Concen: 1.616 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN074614.D
 Acq: 21 Sep 2022 15:26

Tgt Ion: 76 Resp: 18729
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

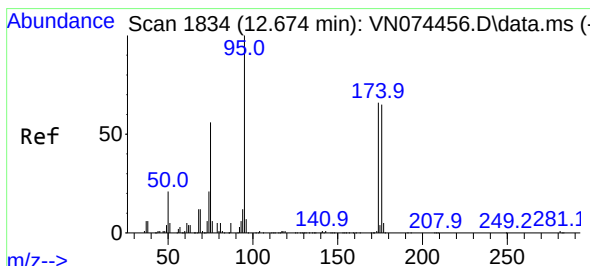
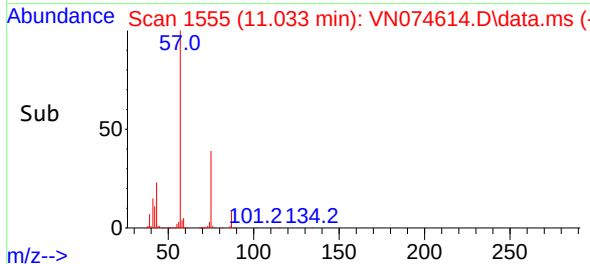
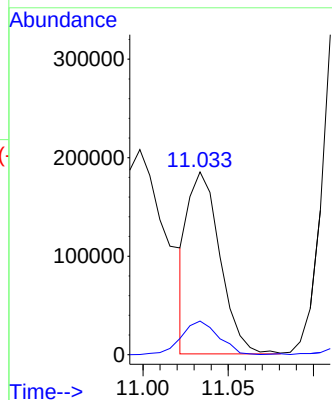
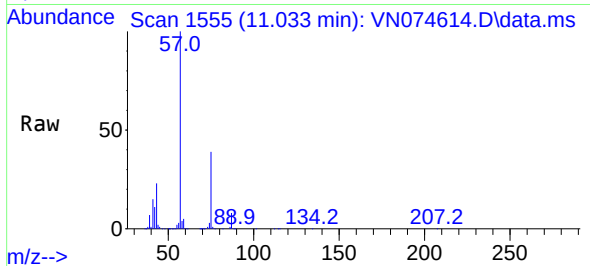




#59
2-Hexanone
Concen: 23.242 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

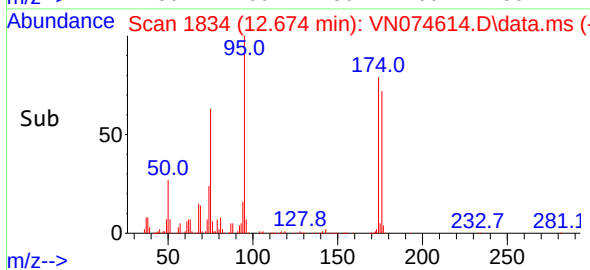
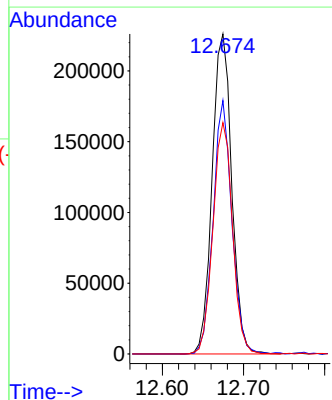
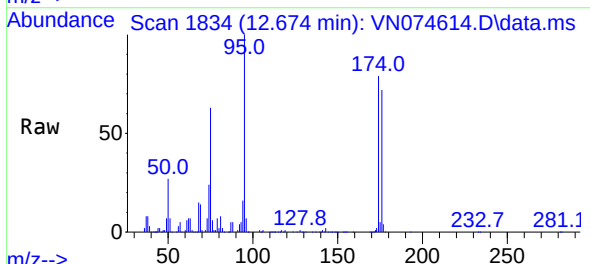
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#03

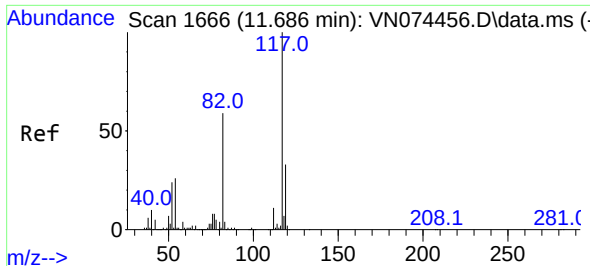
Tgt Ion: 43 Resp: 241251
Ion Ratio Lower Upper
43 100
58 21.6 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 58.738 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion: 95 Resp: 378349
Ion Ratio Lower Upper
95 100
174 75.9 0.0 167.6
176 72.3 0.0 163.4

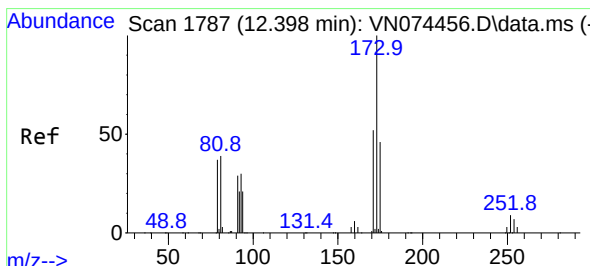
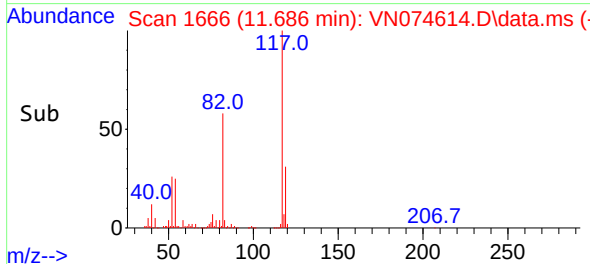
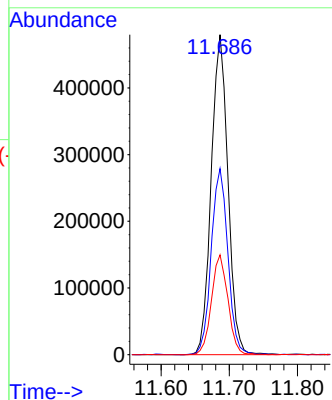
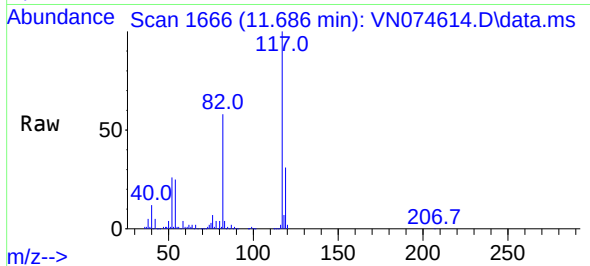




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

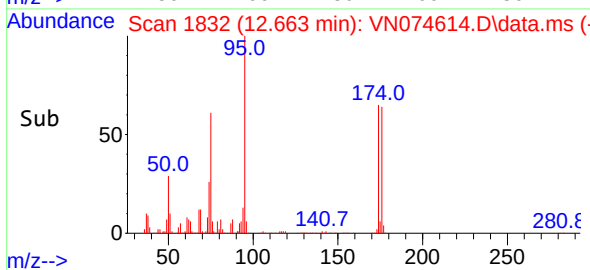
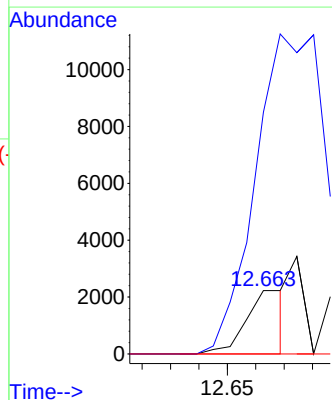
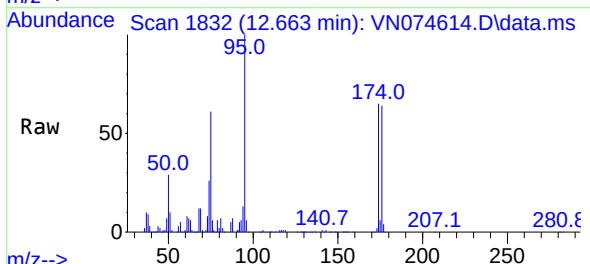
Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#03

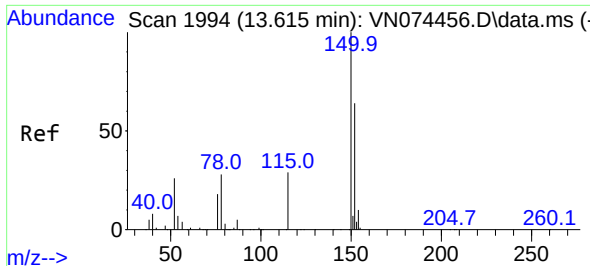
Tgt Ion:117 Resp: 819501
Ion Ratio Lower Upper
117 100
82 58.2 44.2 66.2
119 31.2 25.4 38.0



#71
Bromoform
Concen: 0.391 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.265 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

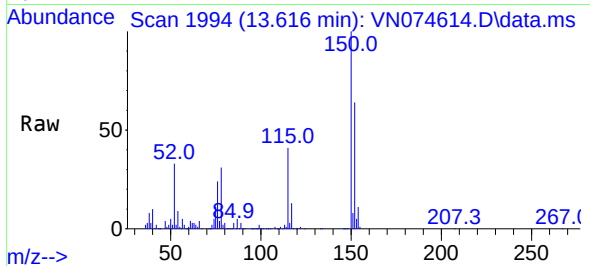
Tgt Ion:173 Resp: 2149
Ion Ratio Lower Upper
173 100
175 597.3 24.6 73.6#
254 0.0 0.1 0.1#



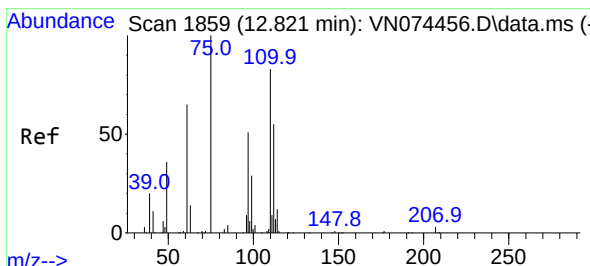
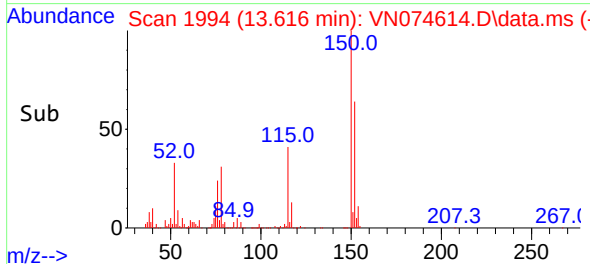
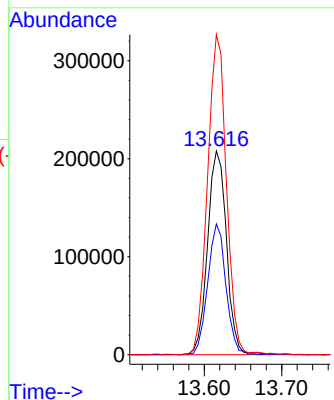


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.001 min
 Lab File: VN074614.D
 Acq: 21 Sep 2022 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147776ZHE#03

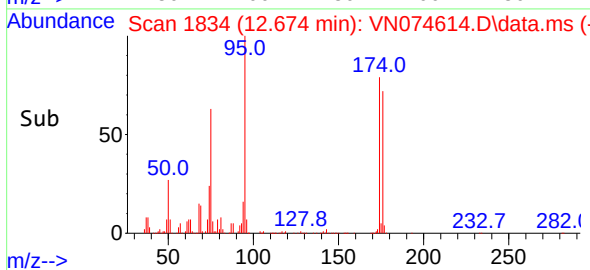
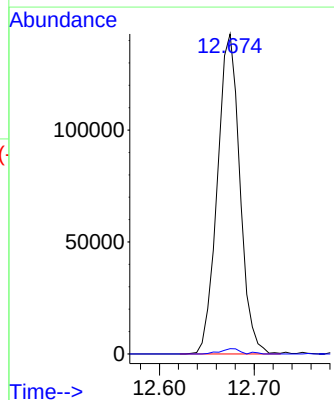
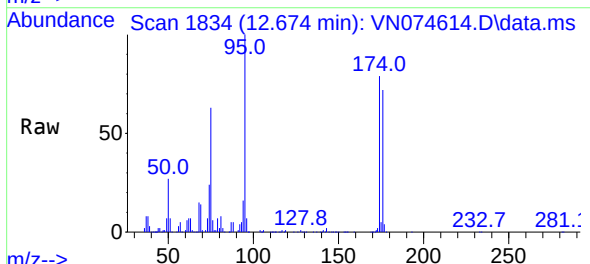


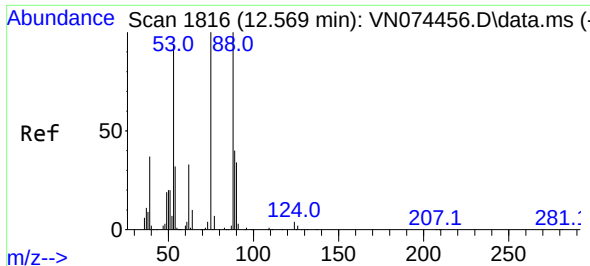
Tgt Ion:152 Resp: 353594
 Ion Ratio Lower Upper
 152 100
 115 61.7 28.9 86.7
 150 156.8 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.674 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN074614.D
 Acq: 21 Sep 2022 15:26

Tgt Ion: 75 Resp: 235895
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#

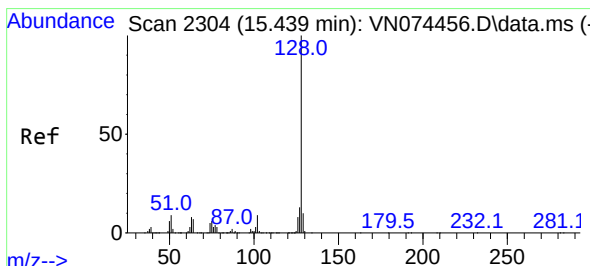
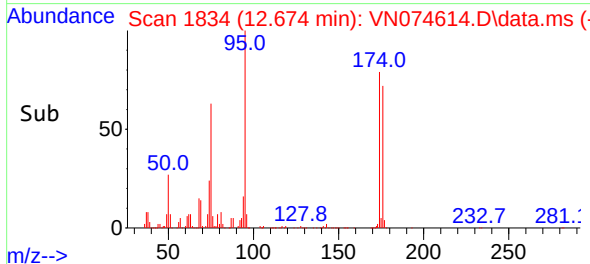
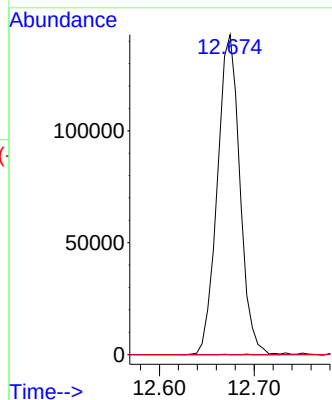
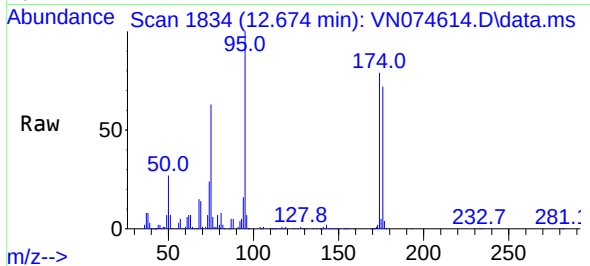




#81
trans-1,4-Dichloro-2-butene
Concen: 46.779 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.105 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Instrument :
MSVOA_N
ClientSampleId :
PB147776ZHE#03

Tgt Ion: 75 Resp: 235895
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.651 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN074614.D
Acq: 21 Sep 2022 15:26

Tgt Ion: 128 Resp: 1931
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.0 8.6 13.0#

