

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051122\
 Data File : VN072407.D
 Acq On : 11 May 2022 11:02
 Operator : JC\MD
 Sample : VN0511WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0511WBL01

Quant Time: May 12 02:09:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

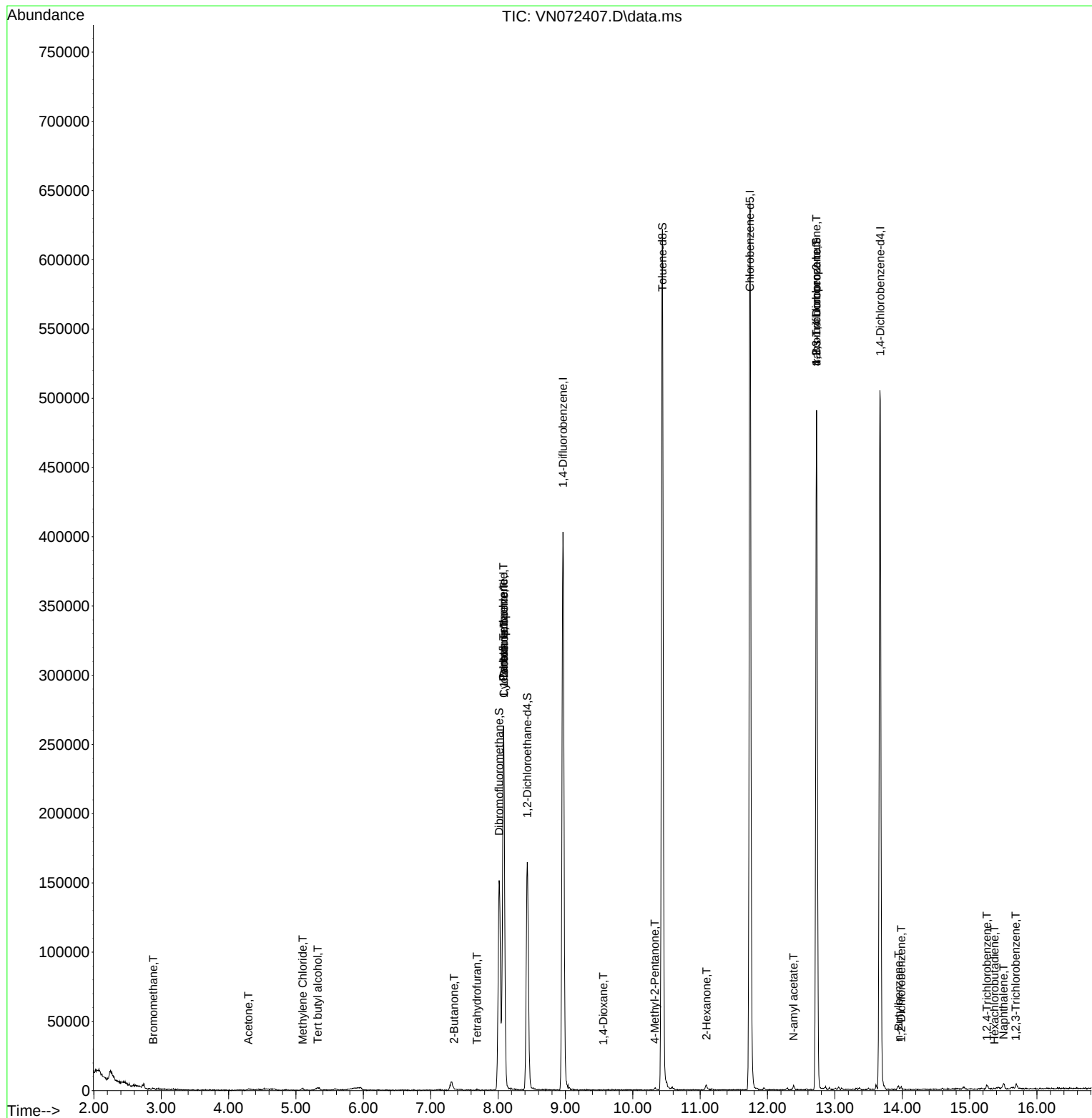
Internal Standards						
1) Pentafluorobenzene	8.080	168	188088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	350356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	379673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	144302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	147179	51.088	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.180%			
35) Dibromofluoromethane	8.016	113	113557	48.718	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.440%			
50) Toluene-d8	10.439	98	434118	48.902	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.800%			
62) 4-Bromofluorobenzene	12.727	95	166178	56.366	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 112.740%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	680	Below Cal	#	43
5) Bromomethane	2.881	94	334	0.281	ug/l #	78
6) Chloroethane	3.010	64	197	Below Cal	#	42
11) Tert butyl alcohol	5.322	59	367	0.779	ug/l #	72
16) Acetone	4.292	43	579	0.507	ug/l #	42
20) Methylene Chloride	5.098	84	931	0.398	ug/l #	89
25) 2-Butanone	7.345	43	1361	0.756	ug/l #	45
29) Tetrahydrofuran	7.686	42	393	0.336	ug/l #	50
31) Cyclohexane	8.086	56	4643	1.216	ug/l #	44
36) 1,1-Dichloropropene	8.086	75	14830	4.430	ug/l #	50
38) Carbon Tetrachloride	8.080	117	20741	5.536	ug/l #	18
49) 1,4-Dioxane	9.563	88	53	1.079	ug/l #	25
51) 4-Methyl-2-Pentanone	10.327	43	1931	0.504	ug/l #	62
59) 2-Hexanone	11.092	43	3757	1.399	ug/l #	78
74) N-amyl acetate	12.386	43	1946	0.461	ug/l #	89
76) 1,2,3-Trichloropropane	12.727	75	92007	24.446	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	92007	81.553	ug/l #	10
89) n-Butylbenzene	13.945	91	2099	0.308	ug/l	91
91) 1,2-Dichlorobenzene	13.986	146	1173	0.238	ug/l #	78
93) 1,2,4-Trichlorobenzene	15.256	180	1541	0.826	ug/l	96
94) Hexachlorobutadiene	15.368	225	268	0.217	ug/l #	46
95) Naphthalene	15.504	128	5584	3.935	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.686	180	1675	0.896	ug/l	88

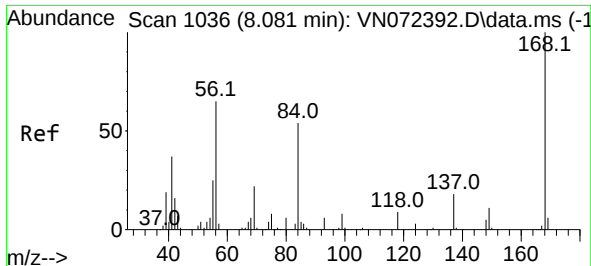
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051122\
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Sample : VN0511WBL01
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Instrument :
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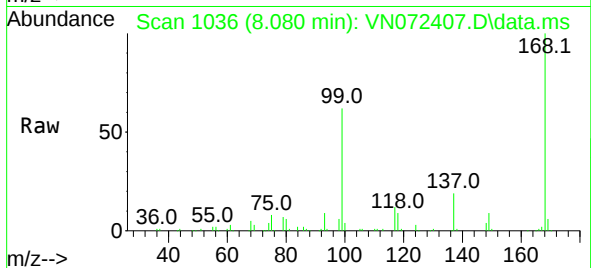
Quant Time: May 12 02:09:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
Quant Title : SW846 8260
QLast Update : Tue May 10 15:43:28 2022
Response via : Initial Calibration



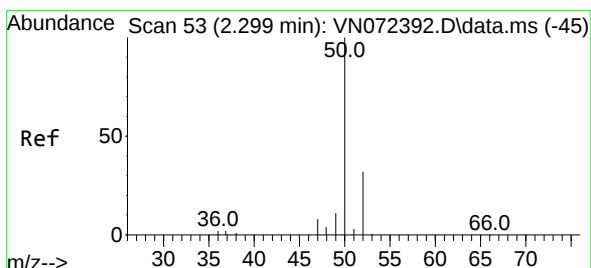
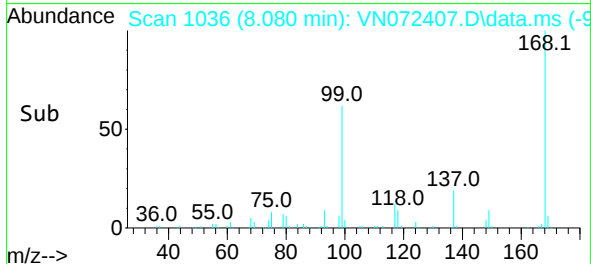
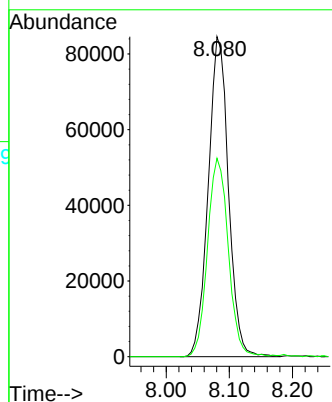


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBL01

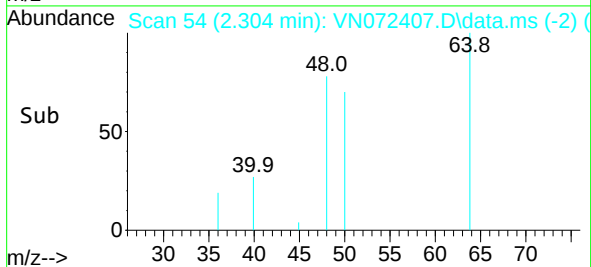
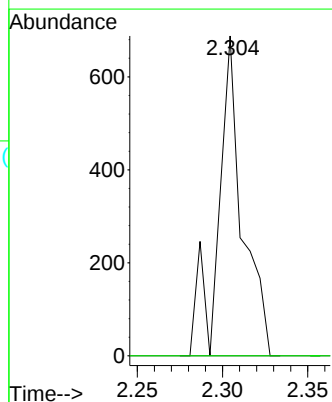
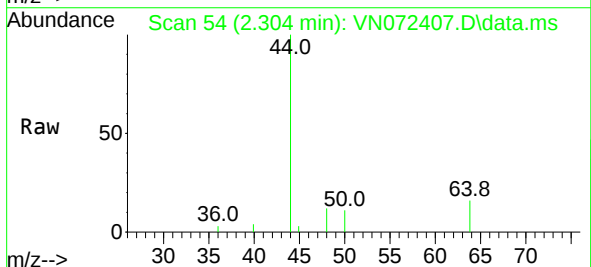


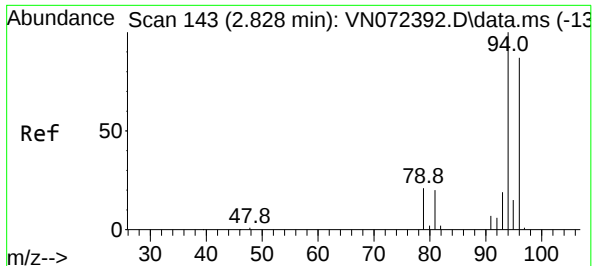
Tgt Ion:168 Resp: 188088
Ion Ratio Lower Upper
168 100
99 62.0 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

Tgt Ion: 50 Resp: 680
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#5

Bromomethane

Concen: 0.281 ug/l

RT: 2.881 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN072407.D

Acq: 11 May 2022 11:02

Instrument :

MSVOA_N

ClientSampleId :

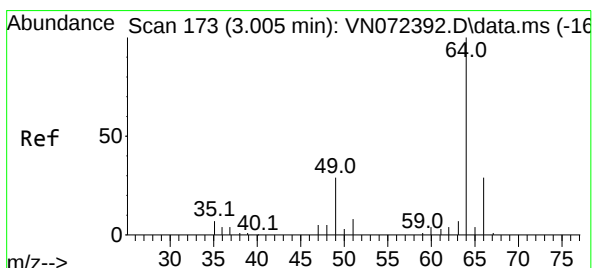
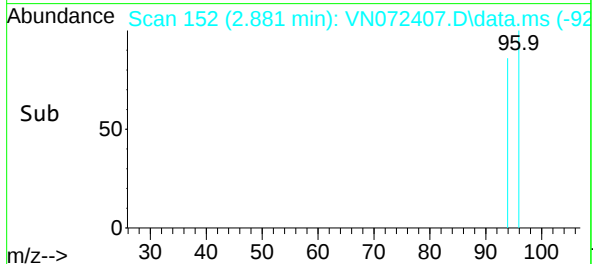
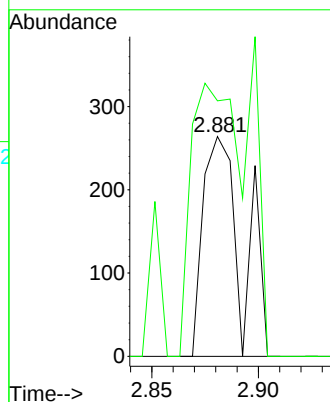
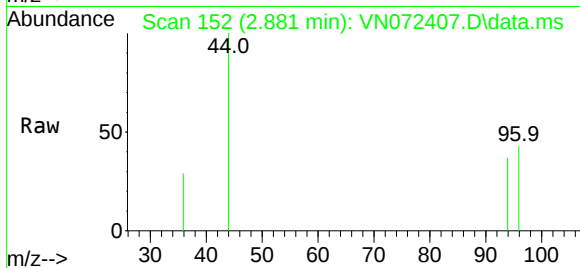
VN0511WBL01

Tgt Ion: 94 Resp: 334

Ion Ratio Lower Upper

94 100

96 116.3 76.0 114.0#



#6

Chloroethane

Concen: Below Cal

RT: 3.010 min Scan# 174

Delta R.T. 0.005 min

Lab File: VN072407.D

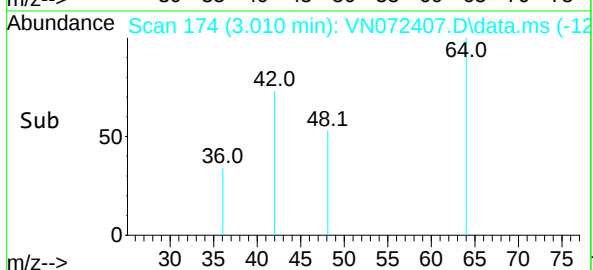
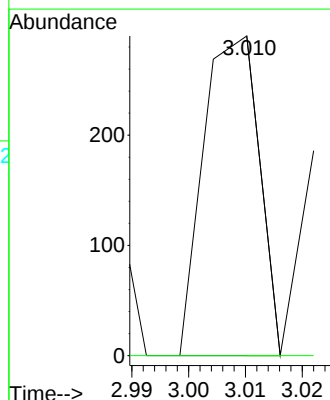
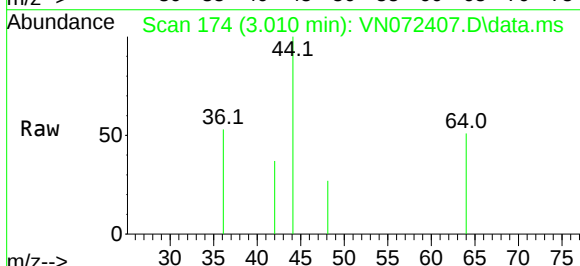
Acq: 11 May 2022 11:02

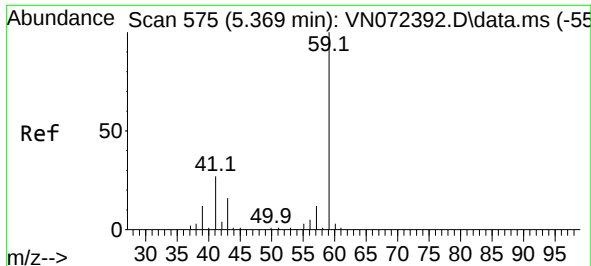
Tgt Ion: 64 Resp: 197

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

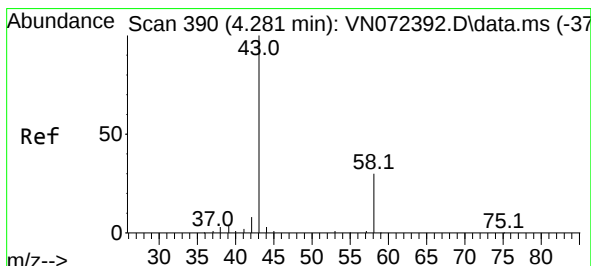
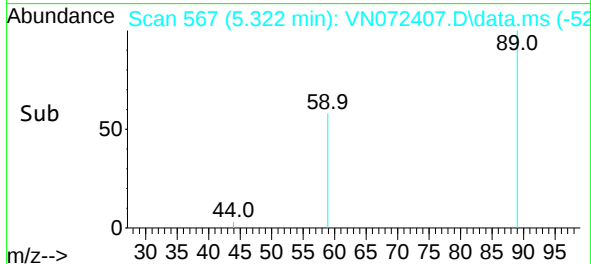
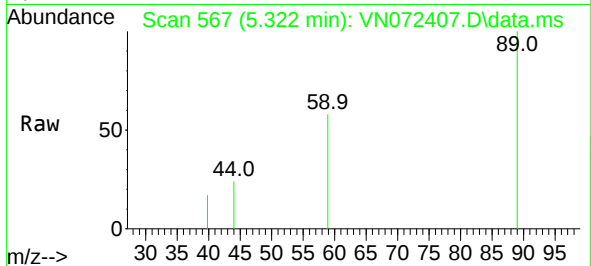




#11
Tert butyl alcohol
Concen: 0.779 ug/l
RT: 5.322 min Scan# 50
Delta R.T. -0.047 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

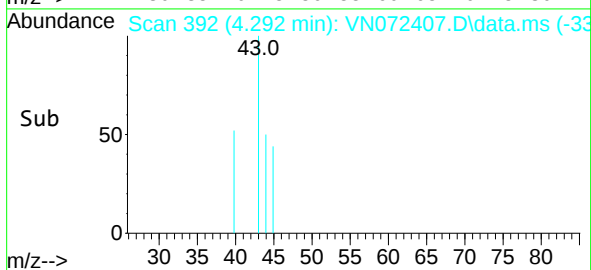
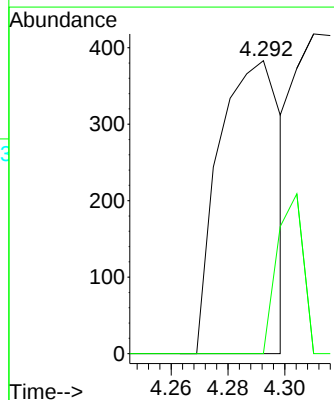
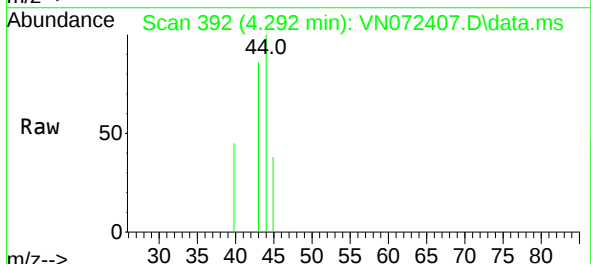
Instrument :
MSVOA_N
ClientSampleId :
VN0511WBL01

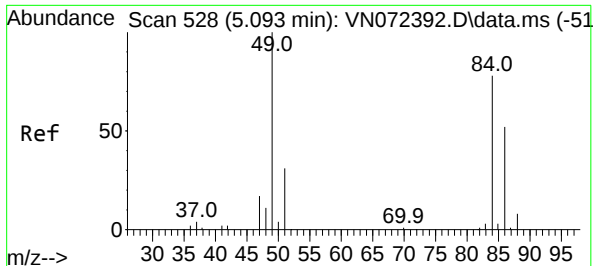
Tgt Ion: 59 Resp: 367
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.507 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.011 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

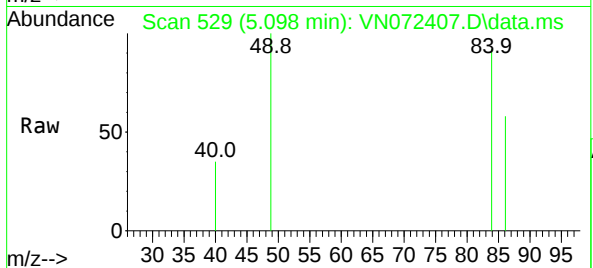
Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



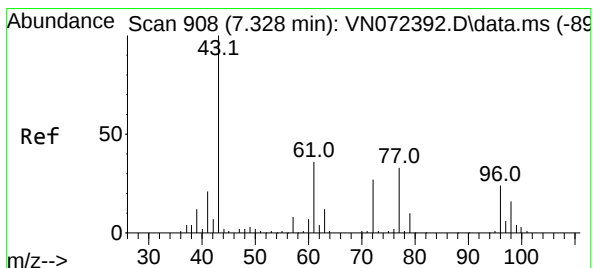
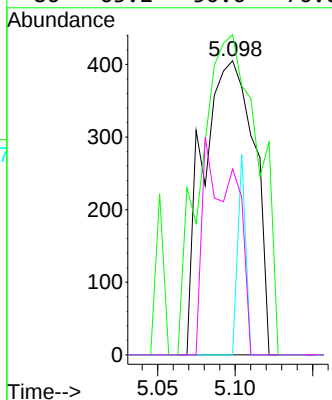


#20
Methylene Chloride
Concen: 0.398 ug/l
RT: 5.098 min Scan# 511
Delta R.T. 0.005 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBL01

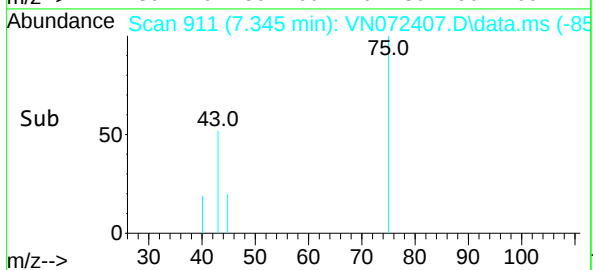
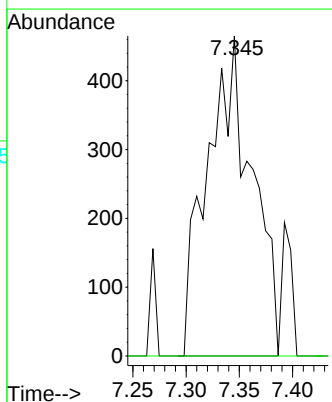
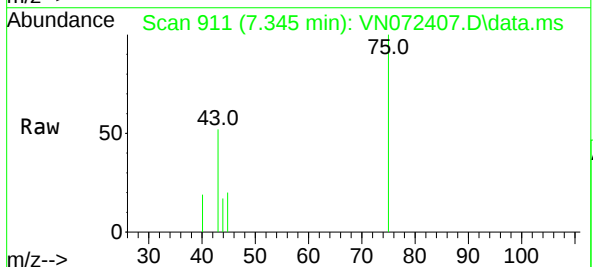


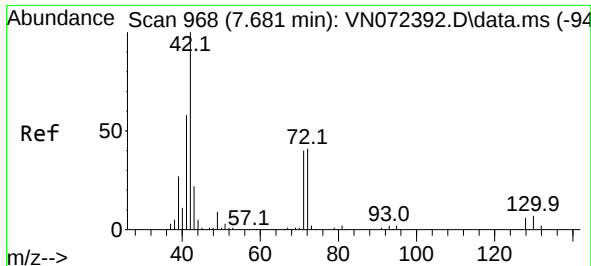
Tgt Ion:	84	Resp:	931
Ion	Ratio	Lower	Upper
84	100		
49	108.9	88.3	132.5
51	0.0	28.2	42.2#
86	63.2	50.6	76.0



#25
2-Butanone
Concen: 0.756 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

Tgt Ion:	43	Resp:	1361
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.336 ug/l

RT: 7.686 min Scan# 90

Delta R.T. 0.005 min

Lab File: VN072407.D

Acq: 11 May 2022 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0511WBL01

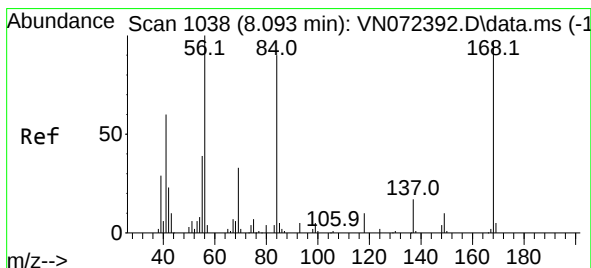
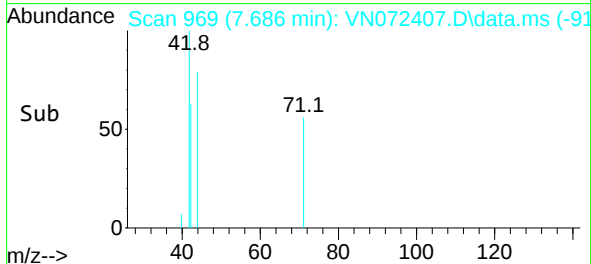
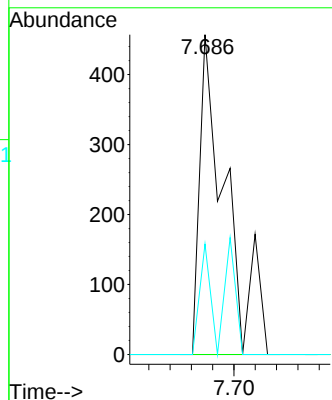
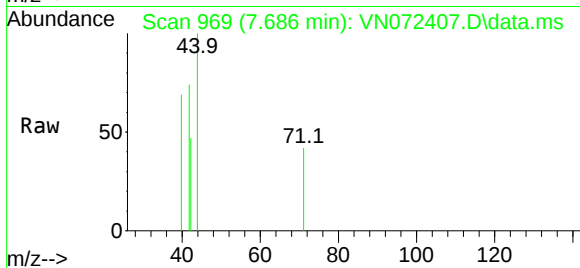
Tgt Ion: 42 Resp: 393

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 29.3 36.6 55.0#



#31

Cyclohexane

Concen: 1.216 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.007 min

Lab File: VN072407.D

Acq: 11 May 2022 11:02

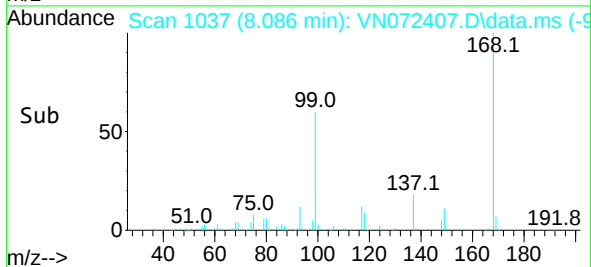
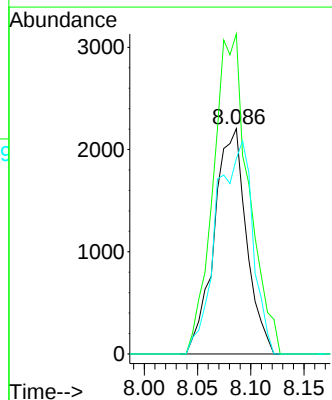
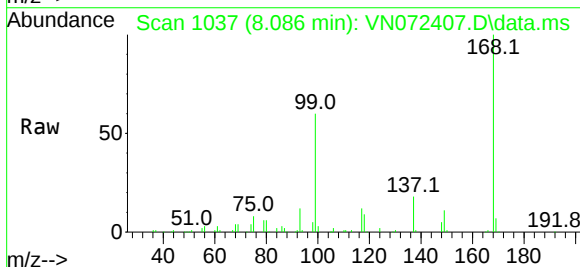
Tgt Ion: 56 Resp: 4643

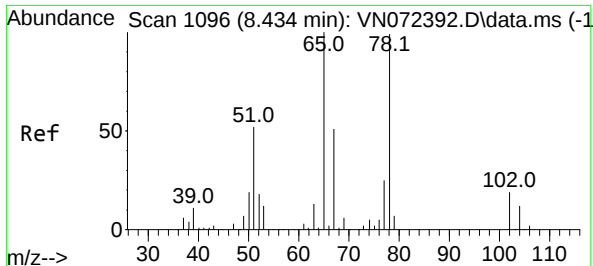
Ion Ratio Lower Upper

56 100

69 142.1 27.8 41.8#

84 86.8 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 51.088 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072407.D

Acq: 11 May 2022 11:02

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ClientSampleId :

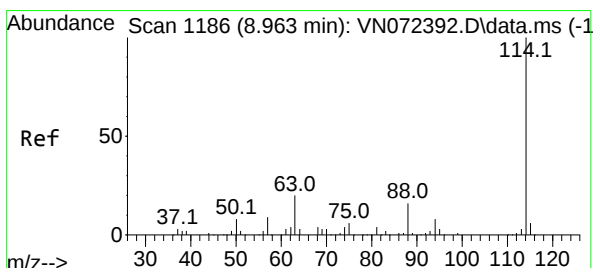
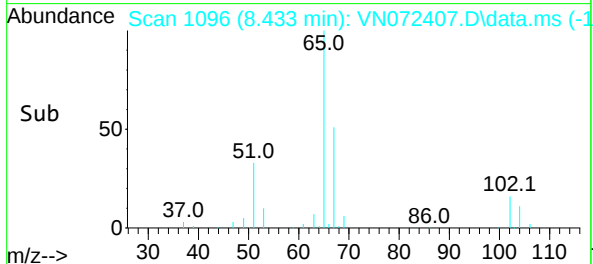
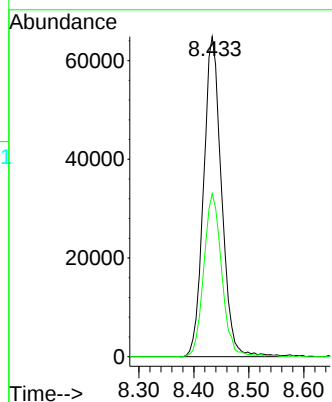
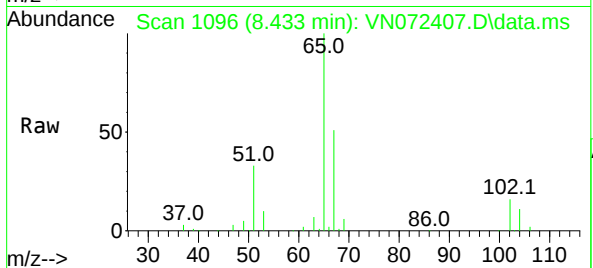
VN0511WBL01

Tgt Ion: 65 Resp: 147179

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072407.D

Acq: 11 May 2022 11:02

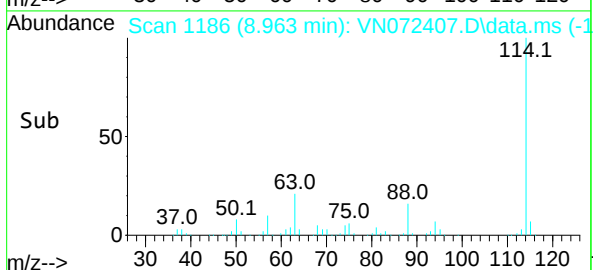
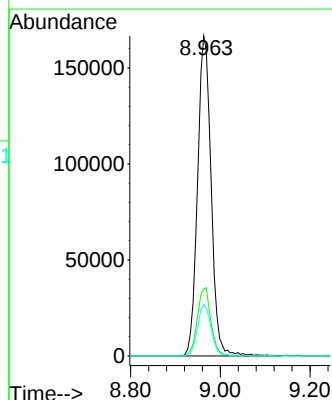
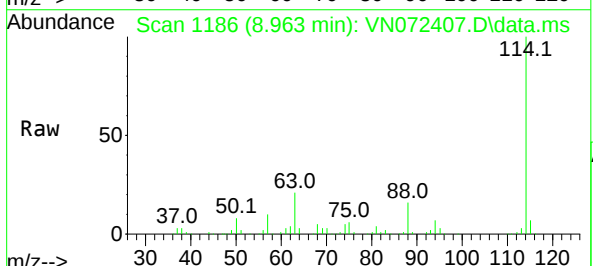
Tgt Ion: 114 Resp: 350356

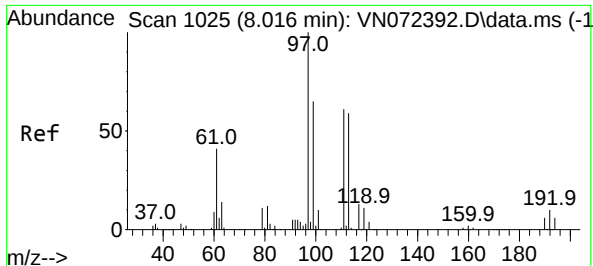
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.718 ug/l

RT: 8.016 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VN072407.D

Acq: 11 May 2022 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0511WBL01

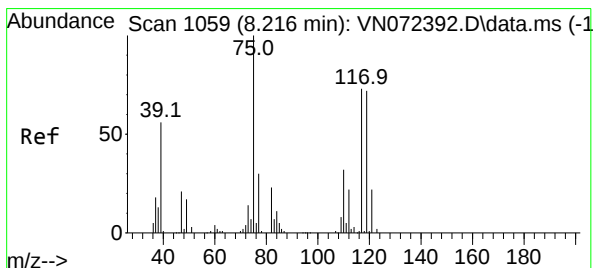
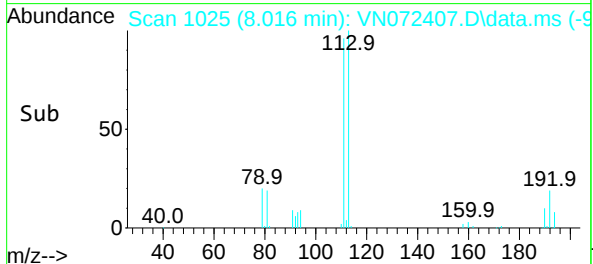
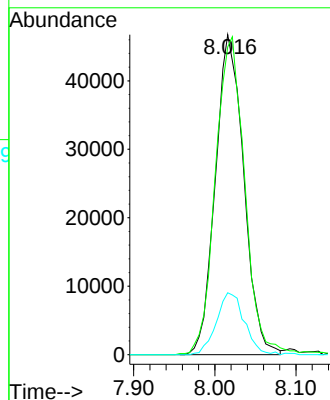
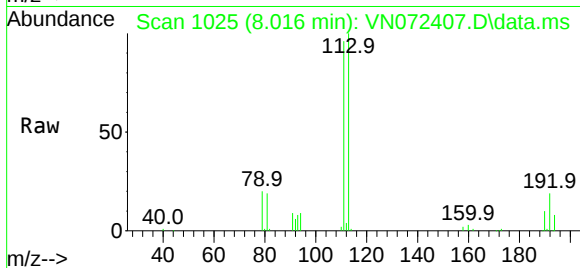
Tgt Ion:113 Resp: 113557

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 19.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.430 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072407.D

Acq: 11 May 2022 11:02

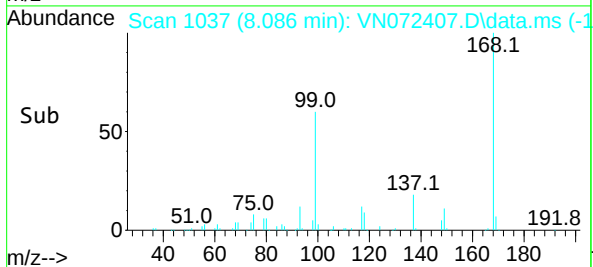
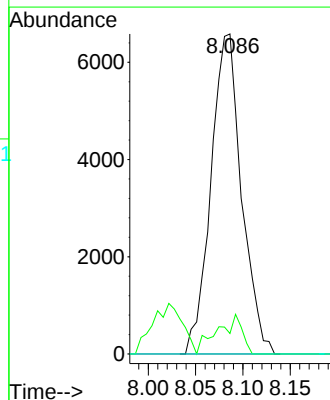
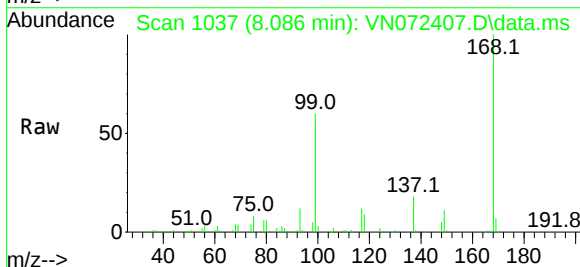
Tgt Ion: 75 Resp: 14830

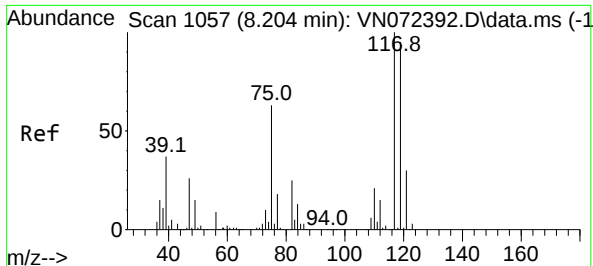
Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

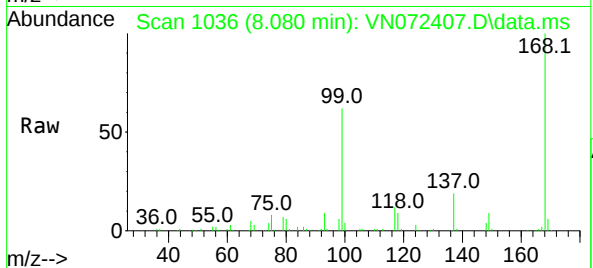
77 0.0 25.1 37.7#



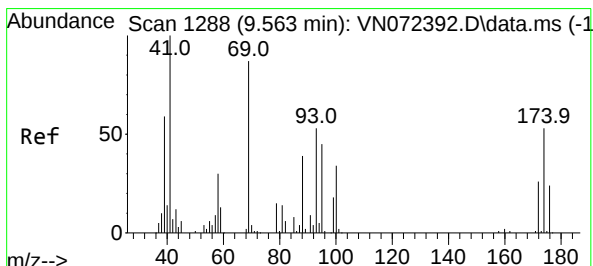
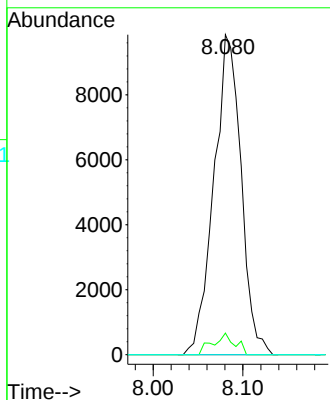
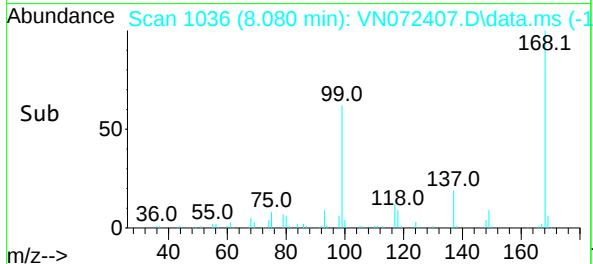


#38
Carbon Tetrachloride
Concen: 5.536 ug/l
RT: 8.080 min Scan# 1057
Delta R.T. -0.124 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

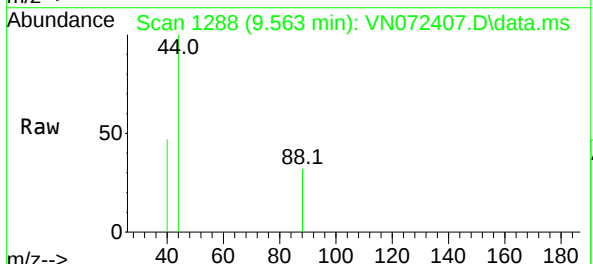
Instrument :
MSVOA_N
ClientSampleId :
VN0511WBL01



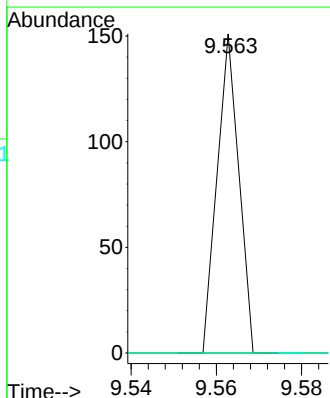
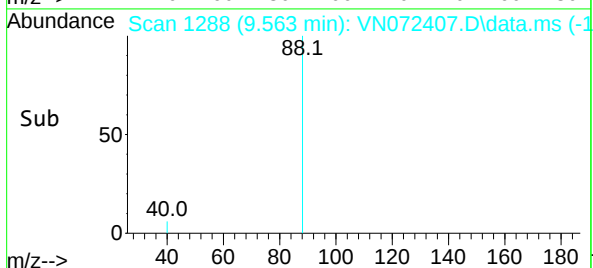
Tgt Ion: 117 Resp: 20741
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.8#
121 0.0 24.6 37.0#

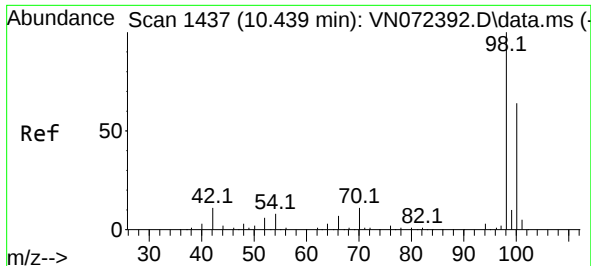


#49
1,4-Dioxane
Concen: 1.079 ug/l
RT: 9.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02



Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

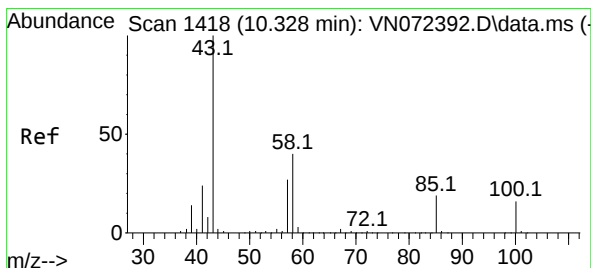
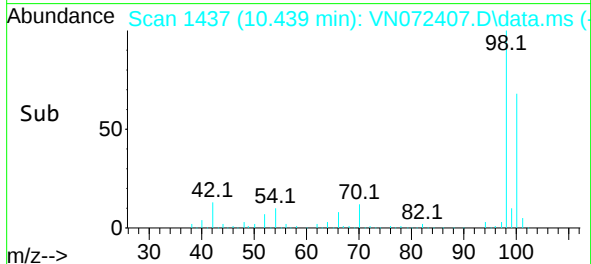
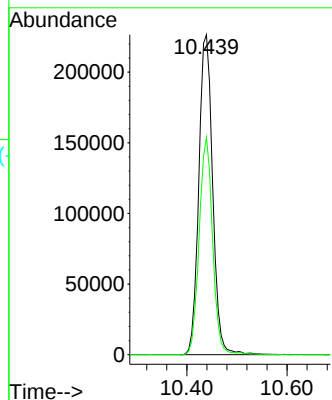
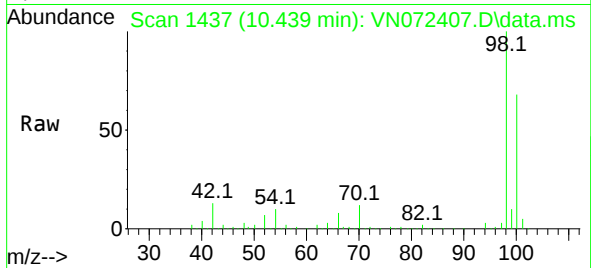




#50
Toluene-d8
Concen: 48.902 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

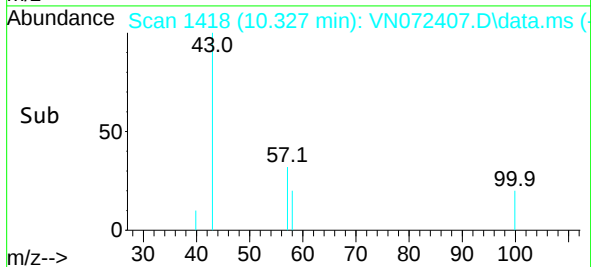
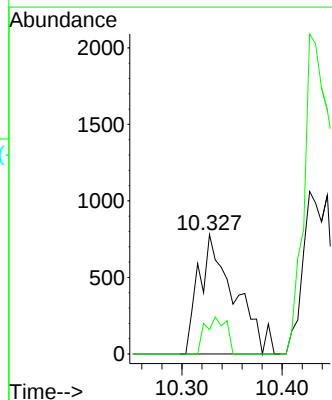
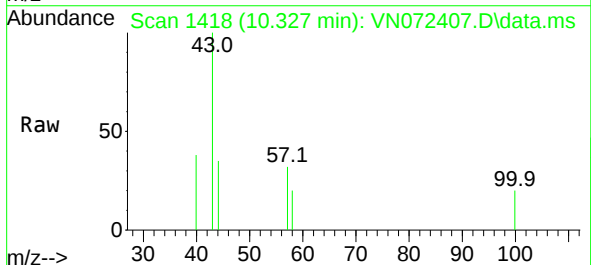
Instrument :
MSVOA_N
ClientSampleId :
VN0511WBL01

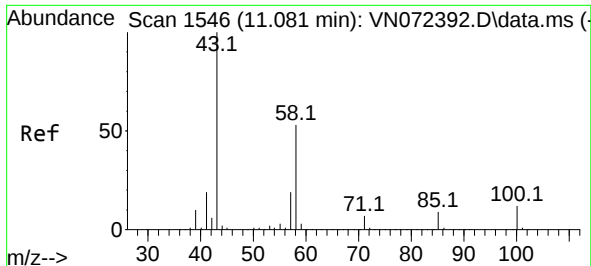
Tgt Ion: 98 Resp: 434118
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.504 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

Tgt Ion: 43 Resp: 1931
Ion Ratio Lower Upper
43 100
58 18.3 34.1 51.1#

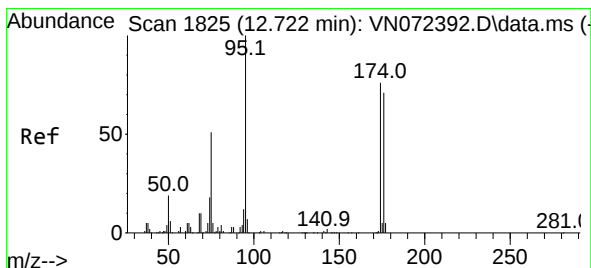
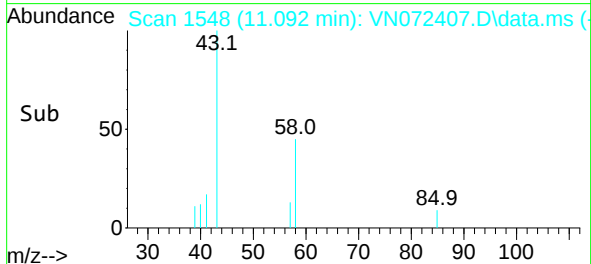
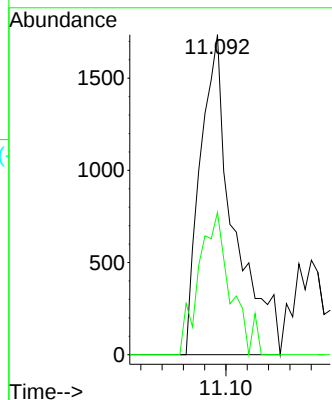
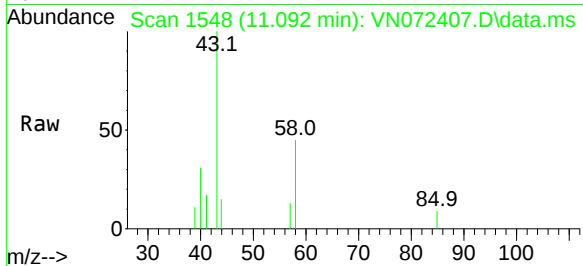




#59
2-Hexanone
Concen: 1.399 ug/l
RT: 11.092 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

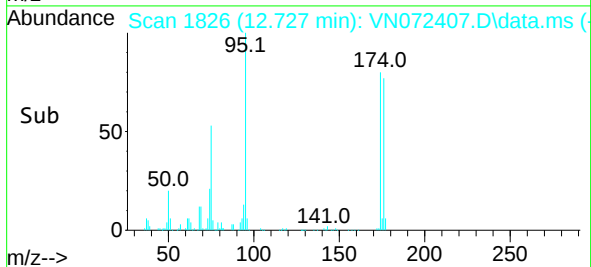
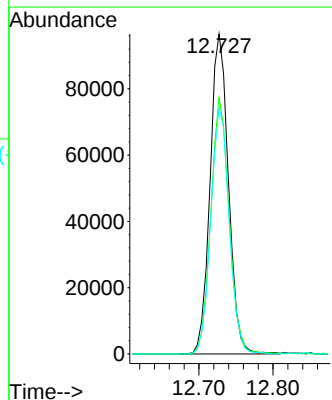
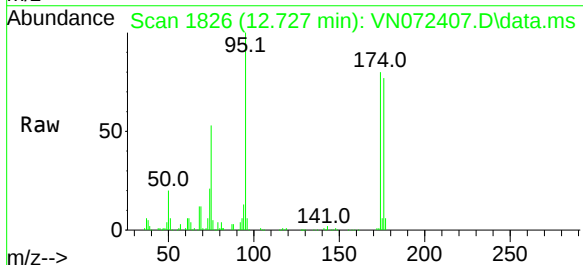
Instrument :
MSVOA_N
ClientSampleId :
VN0511WBL01

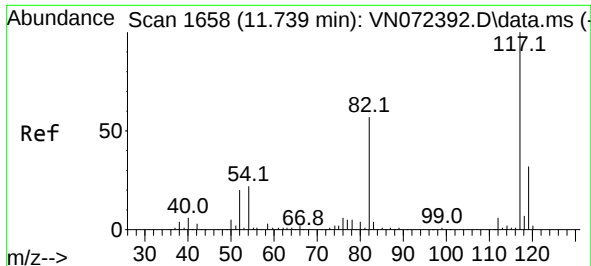
Tgt Ion: 43 Resp: 3757
Ion Ratio Lower Upper
43 100
58 42.7 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 56.366 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.005 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

Tgt Ion: 95 Resp: 166178
Ion Ratio Lower Upper
95 100
174 80.1 0.0 167.6
176 76.9 0.0 163.4

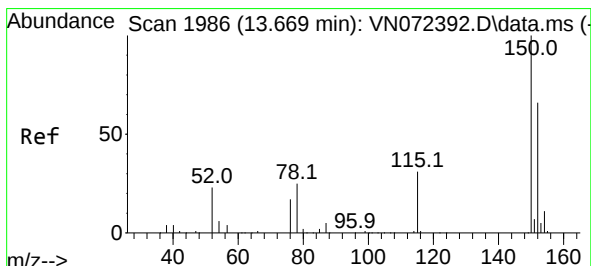
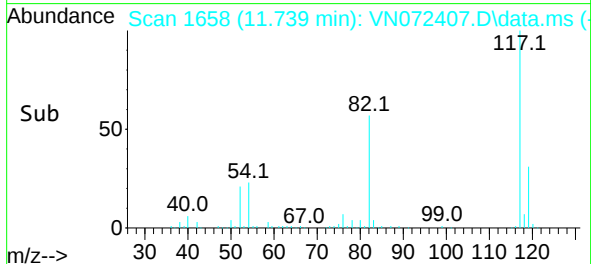
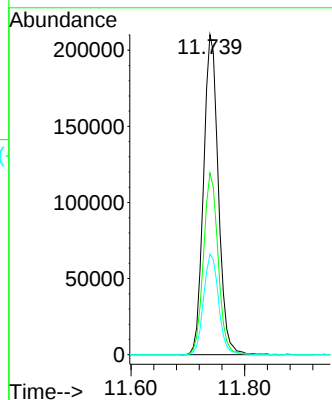
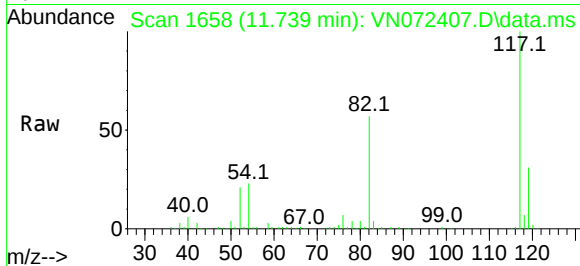




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

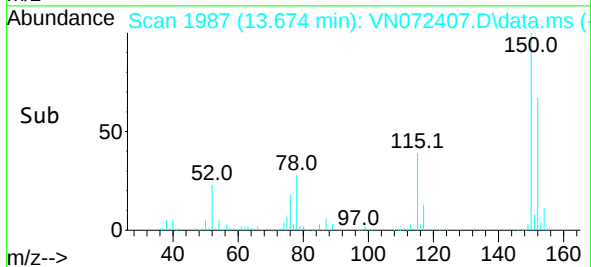
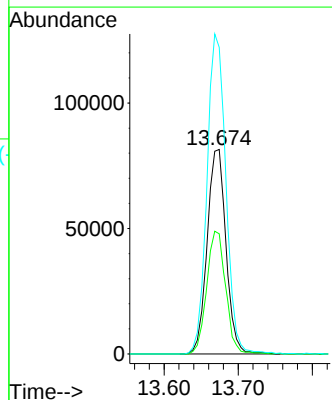
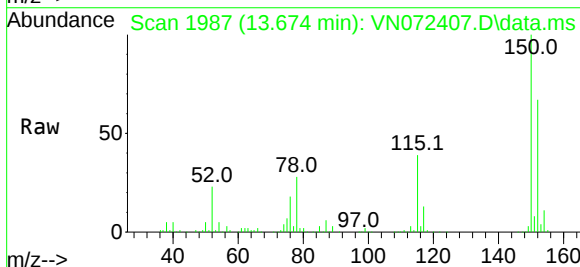
Instrument :
MSVOA_N
ClientSampleId :
VN0511WBL01

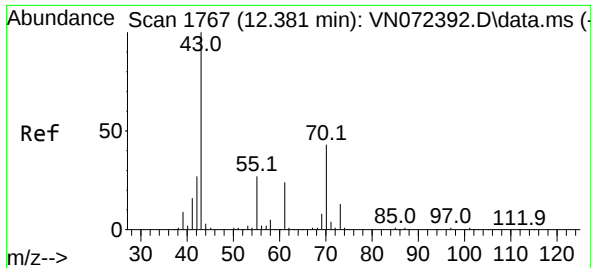
Tgt Ion:117 Resp: 379673
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.2
119 31.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

Tgt Ion:152 Resp: 144302
Ion Ratio Lower Upper
152 100
115 60.3 28.9 86.7
150 156.6 0.0 356.2

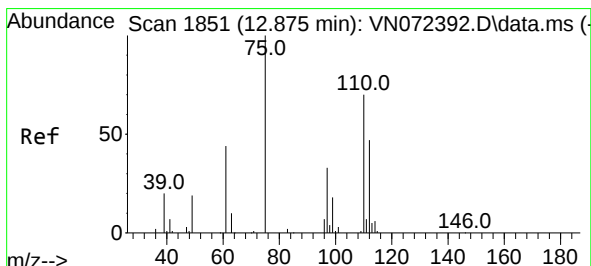
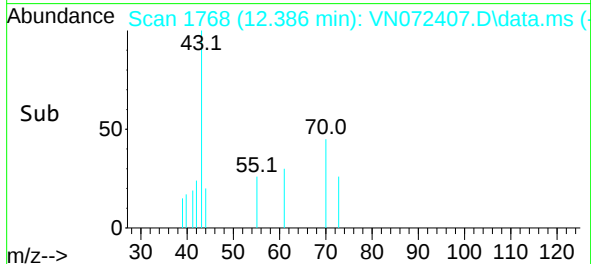
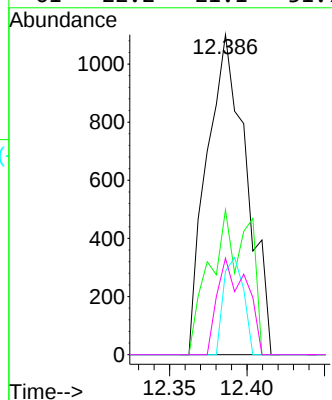
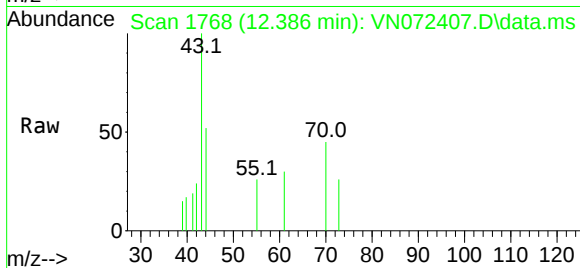




#74
N-amy1 acetate
Concen: 0.461 ug/l
RT: 12.386 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

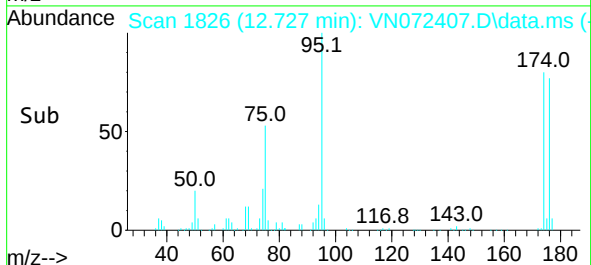
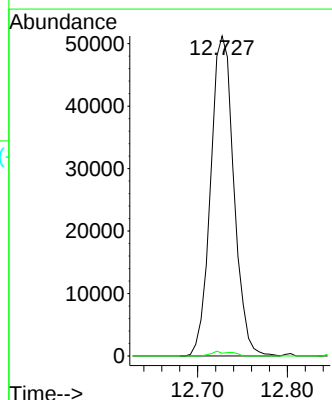
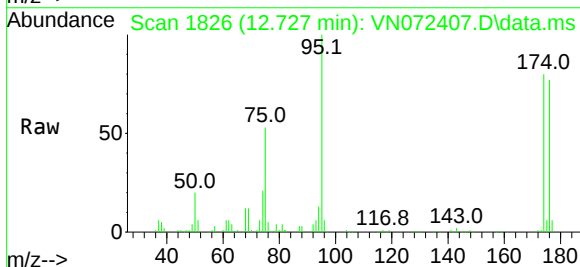
Instrument :
MSVOA_N
ClientSampleId :
VN0511WBL01

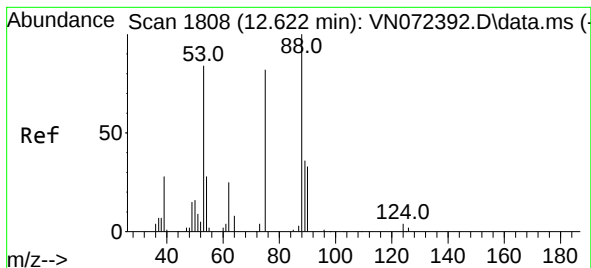
Tgt Ion: 43	Resp:	1946
Ion Ratio	Lower	Upper
43	100	
70	44.8	39.0 58.4
55	15.4	21.1 31.7#
61	22.2	21.1 31.7



#76
1,2,3-Trichloropropane
Concen: 24.446 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.148 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

Tgt Ion: 75	Resp:	92007
Ion Ratio	Lower	Upper
75	100	
77	1.2	98.5 295.5#

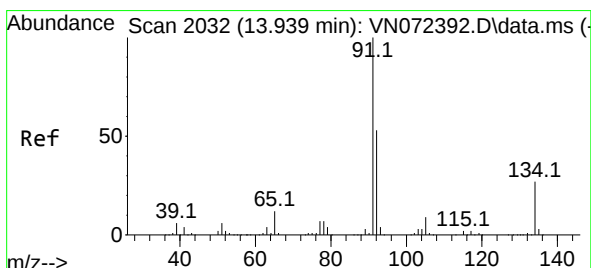
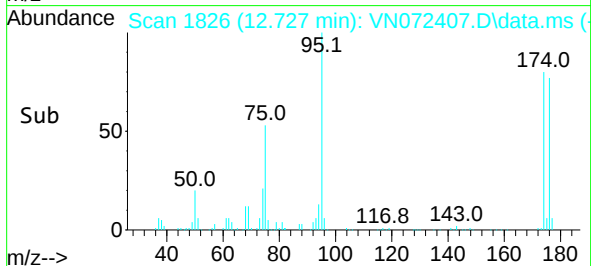
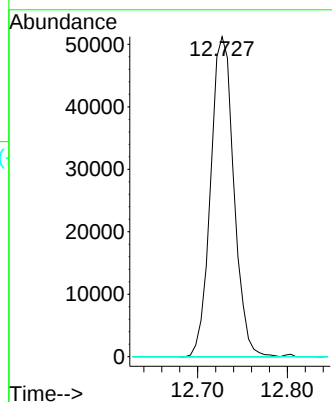
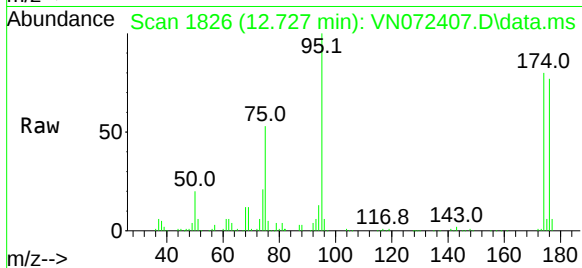




#81
trans-1,4-Dichloro-2-butene
Concen: 81.553 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

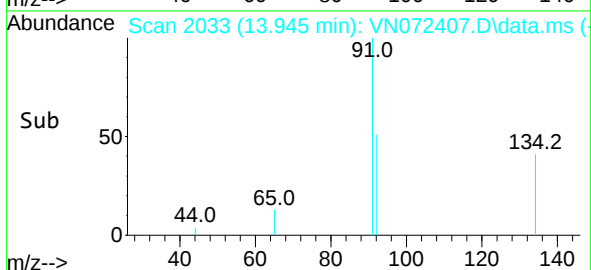
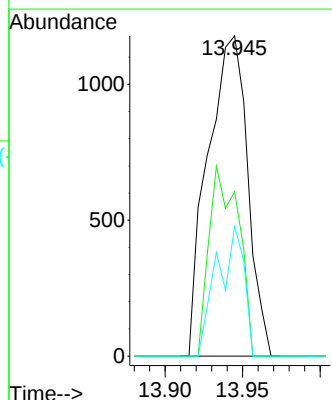
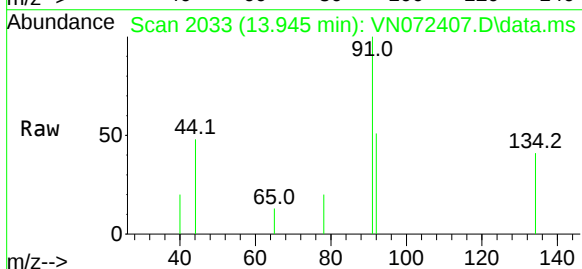
Instrument :
MSVOA_N
ClientSampleId :
VN0511WBL01

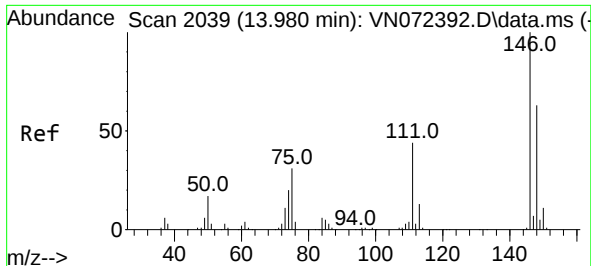
Tgt Ion: 75 Resp: 92007
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#89
n-Butylbenzene
Concen: 0.308 ug/l
RT: 13.945 min Scan# 2033
Delta R.T. 0.006 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

Tgt Ion: 91 Resp: 2099
Ion Ratio Lower Upper
91 100
92 44.0 26.9 80.7
134 27.5 13.6 40.8

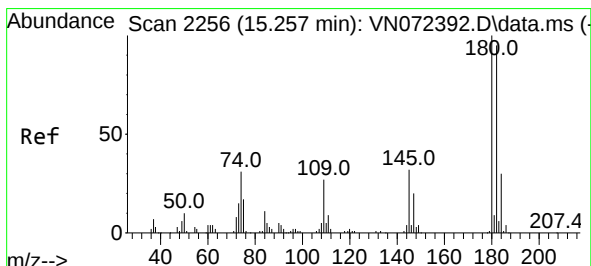
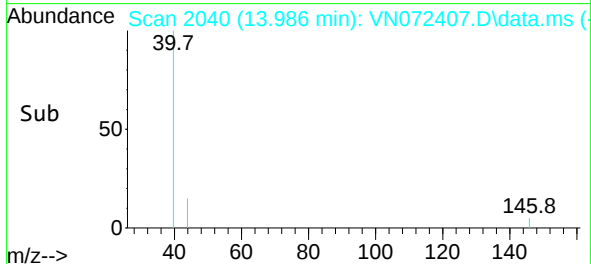
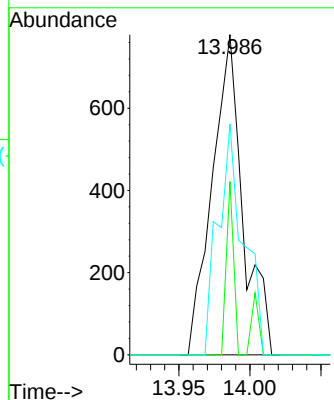
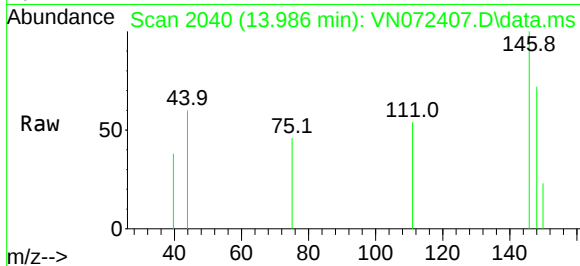




#91
1,2-Dichlorobenzene
Concen: 0.238 ug/l
RT: 13.986 min Scan# 2039
Delta R.T. 0.006 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

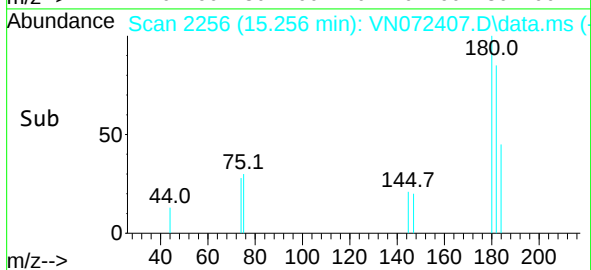
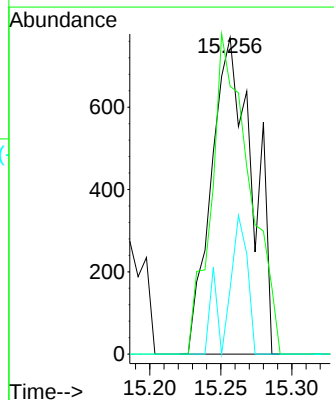
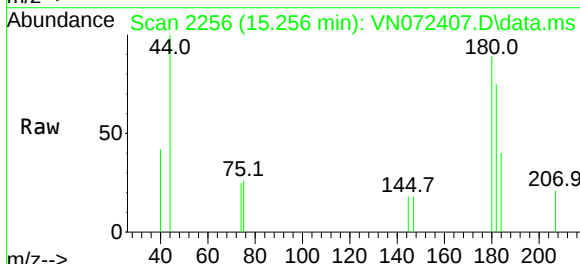
Instrument :
MSVOA_N
ClientSampleId :
VN0511WBL01

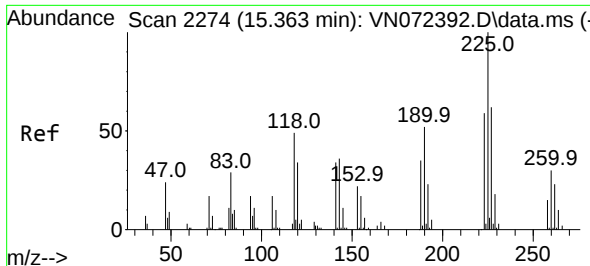
Tgt Ion:146 Resp: 1173
Ion Ratio Lower Upper
146 100
111 12.7 20.9 62.8#
148 59.6 32.1 96.3



#93
1,2,4-Trichlorobenzene
Concen: 0.826 ug/l
RT: 15.256 min Scan# 2256
Delta R.T. -0.001 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

Tgt Ion:180 Resp: 1541
Ion Ratio Lower Upper
180 100
182 94.1 47.5 142.5
145 21.8 14.5 43.5

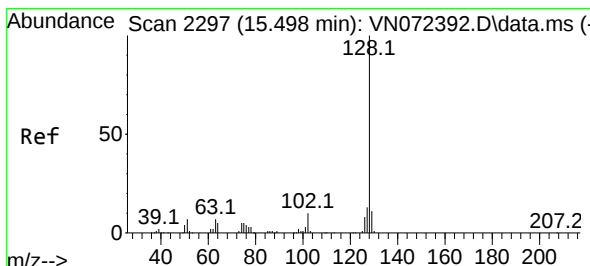
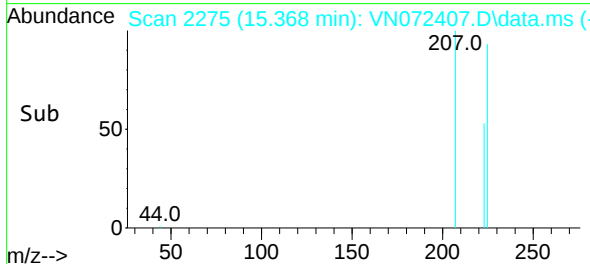
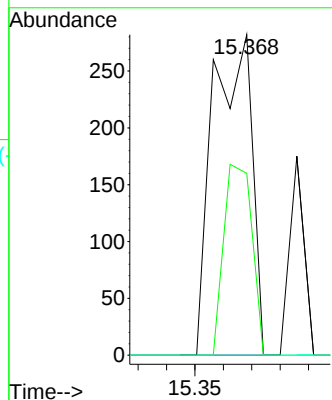
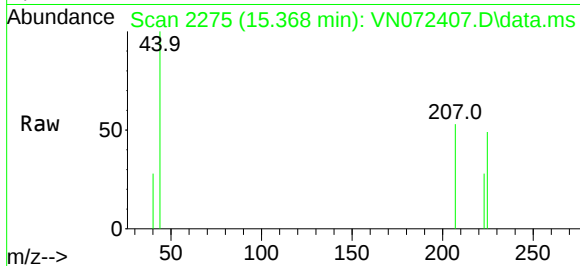




#94
Hexachlorobutadiene
Concen: 0.217 ug/l
RT: 15.368 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

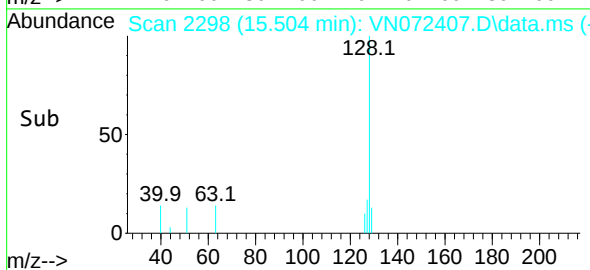
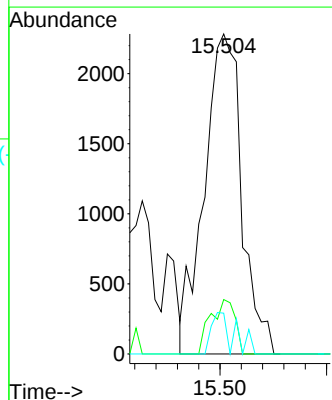
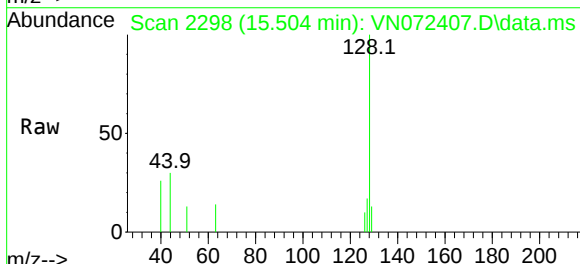
Instrument :
MSVOA_N
ClientSampleId :
VN0511WBL01

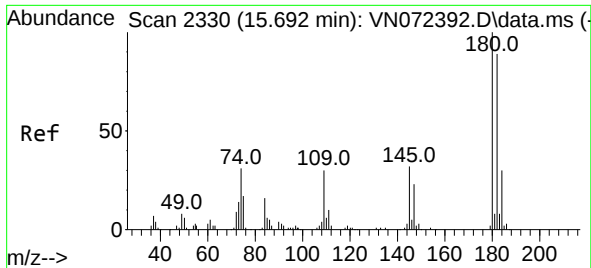
Tgt Ion	Ratio	Lower	Upper
225	100		
223	43.3	32.4	97.2
227	0.0	31.8	95.4



#95
Naphthalene
Concen: 3.935 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072407.D
Acq: 11 May 2022 11:02

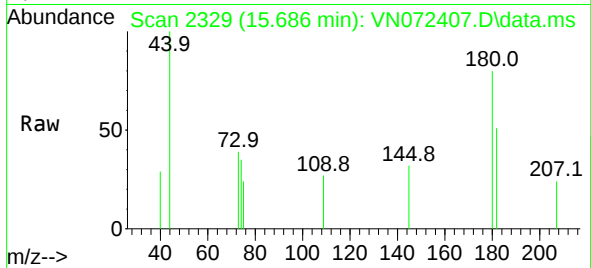
Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.3	15.5
129	5.0	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.896 ug/l
 RT: 15.686 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN072407.D
 Acq: 11 May 2022 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0511WBL01



Tgt Ion:	180	Resp:	1675
Ion	Ratio	Lower	Upper
180	100		
182	110.3	47.8	143.3
145	29.9	15.5	46.5

