

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040422\
 Data File : VN071822.D
 Acq On : 04 Apr 2022 10:51
 Operator : JC\MD
 Sample : VN0404MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404MBL01

Quant Time: Apr 05 01:15:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

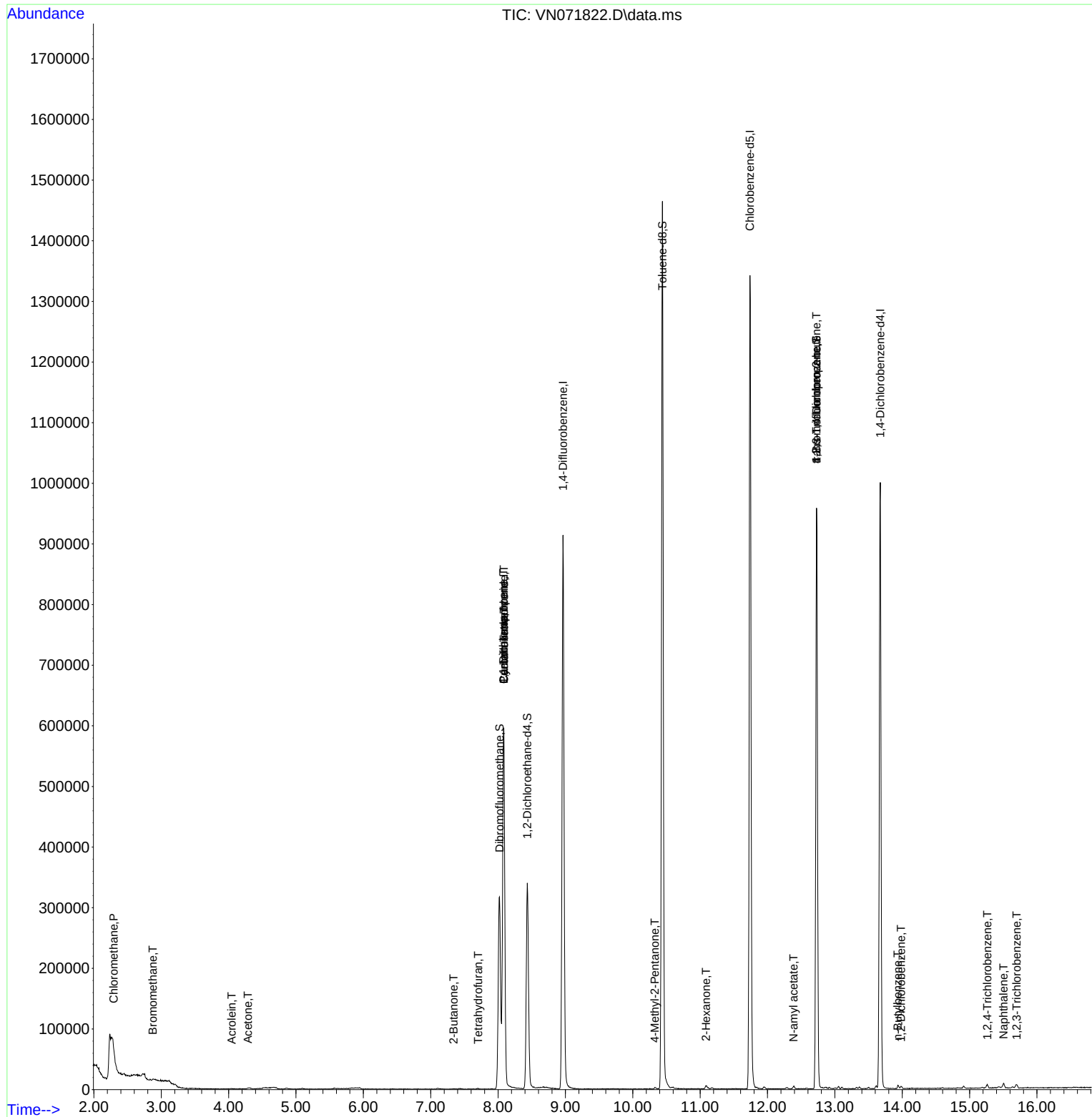
Internal Standards						
1) Pentafluorobenzene	8.086	168	496550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	844864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	844144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	294885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	287615	50.737	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.480%			
35) Dibromofluoromethane	8.022	113	243837	49.047	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.100%			
50) Toluene-d8	10.439	98	1053532	51.803	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.600%			
62) 4-Bromofluorobenzene	12.727	95	354513	53.898	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.800%			
Target Compounds						Qvalue
3) Chloromethane	2.293	50	3313	0.662	ug/l #	74
5) Bromomethane	2.875	94	1613	0.452	ug/l #	75
13) Acrolein	4.045	56	525	0.468	ug/l #	49
16) Acetone	4.287	43	1162	0.480	ug/l #	78
18) Methyl Acetate	4.863	43	2600	Below Cal		90
25) 2-Butanone	7.339	43	786	0.225	ug/l #	45
29) Tetrahydrofuran	7.704	42	541	0.239	ug/l #	54
31) Cyclohexane	8.086	56	8778	1.139	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	34201	4.926	ug/l #	49
38) Carbon Tetrachloride	8.086	117	44413	6.527	ug/l #	16
49) 1,4-Dioxane	9.574	88	124	Below Cal	#	25
51) 4-Methyl-2-Pentanone	10.327	43	1855	0.255	ug/l	94
59) 2-Hexanone	11.086	43	5349	1.045	ug/l	96
74) N-amyl acetate	12.386	43	3100	0.435	ug/l #	89
76) 1,2,3-Trichloropropane	12.727	75	173740	25.433	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	173740	78.816	ug/l #	10
89) n-Butylbenzene	13.933	91	3767	0.273	ug/l	98
91) 1,2-Dichlorobenzene	13.980	146	1967	0.202	ug/l	93
93) 1,2,4-Trichlorobenzene	15.262	180	2529	2.602	ug/l	95
95) Naphthalene	15.504	128	8619	4.396	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.698	180	2949	3.031	ug/l	93

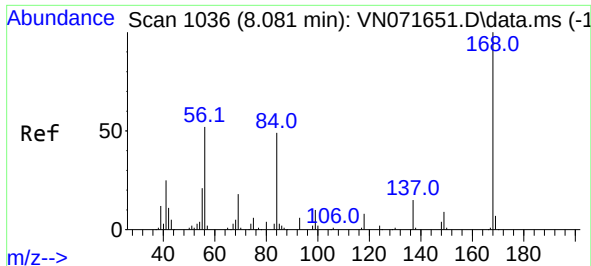
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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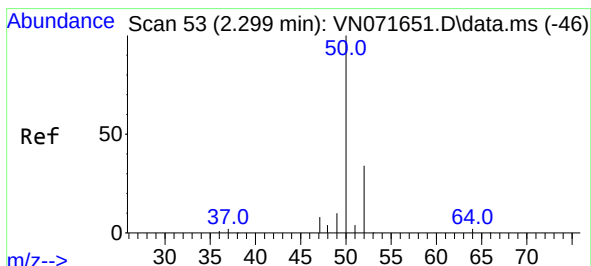
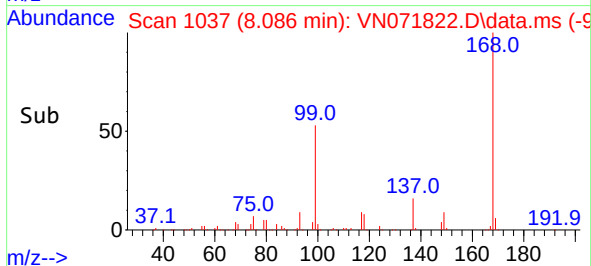
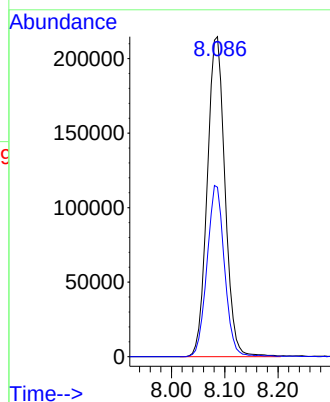
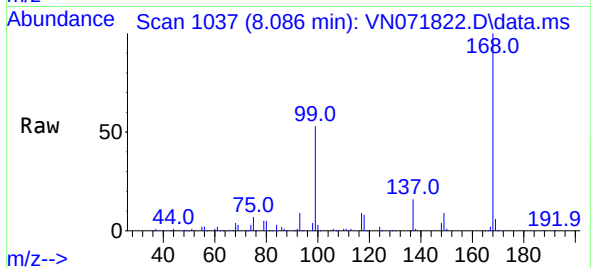




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

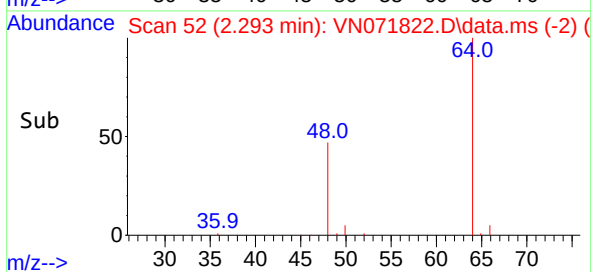
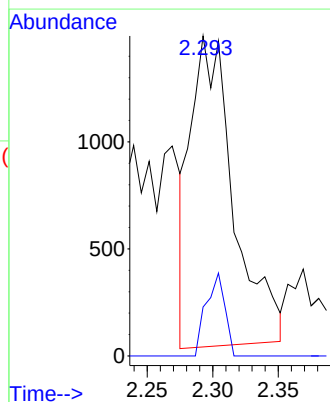
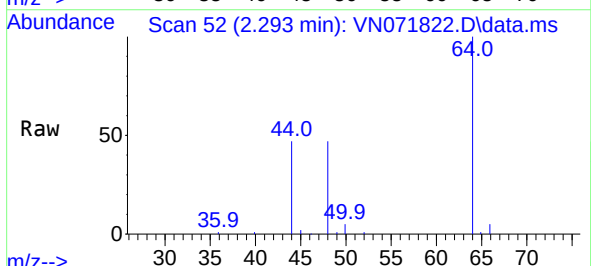
Instrument :
MSVOA_N
ClientSampleId :
VN0404MBL01

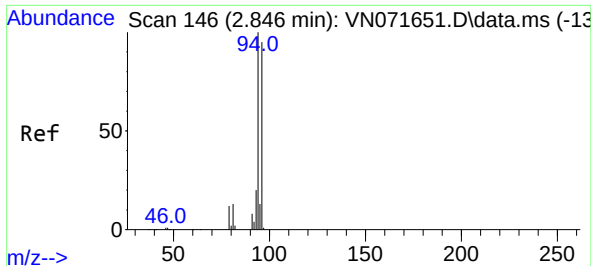
Tgt Ion:168 Resp: 496550
Ion Ratio Lower Upper
168 100
99 52.9 42.3 63.5



#3
Chloromethane
Concen: 0.662 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

Tgt Ion: 50 Resp: 3313
Ion Ratio Lower Upper
50 100
52 17.7 25.7 38.5#

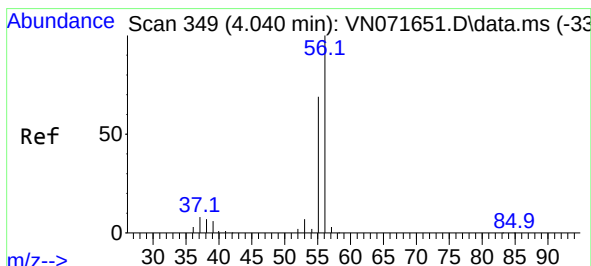
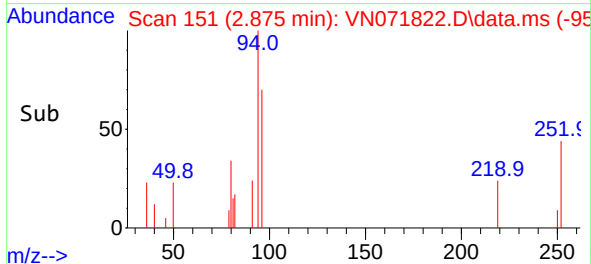
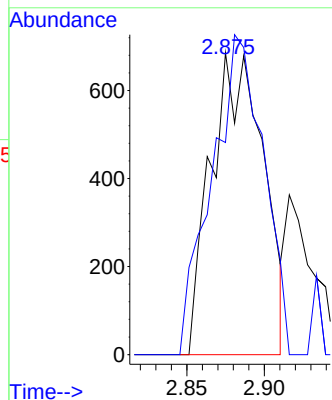
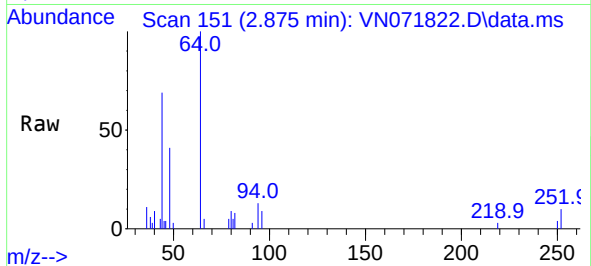




#5
Bromomethane
Concen: 0.452 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

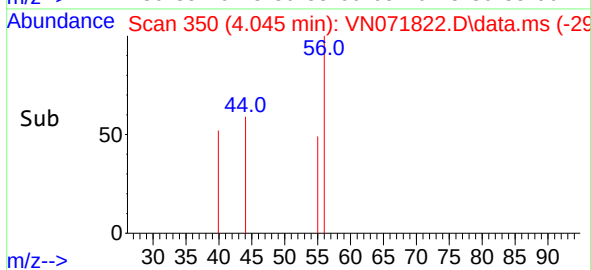
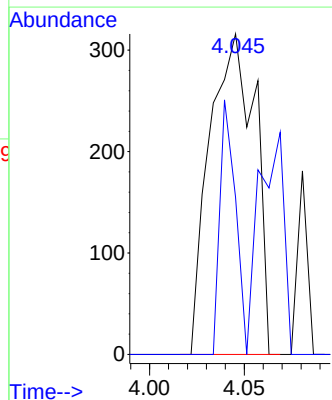
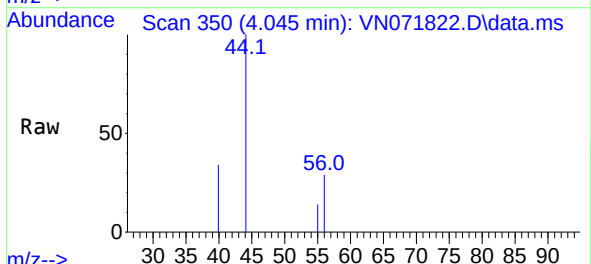
Instrument :
MSVOA_N
ClientSampleId :
VN0404MBL01

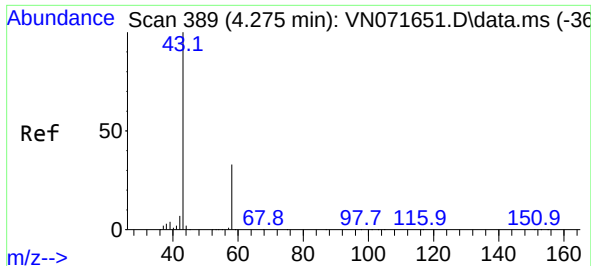
Tgt Ion: 94 Resp: 1613
Ion Ratio Lower Upper
94 100
96 70.3 76.0 114.0#



#13
Acrolein
Concen: 0.468 ug/l
RT: 4.045 min Scan# 350
Delta R.T. 0.005 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

Tgt Ion: 56 Resp: 525
Ion Ratio Lower Upper
56 100
55 27.2 54.8 82.2#

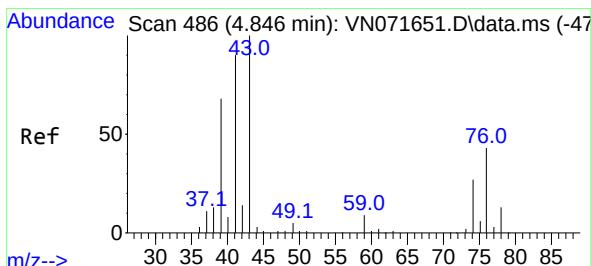
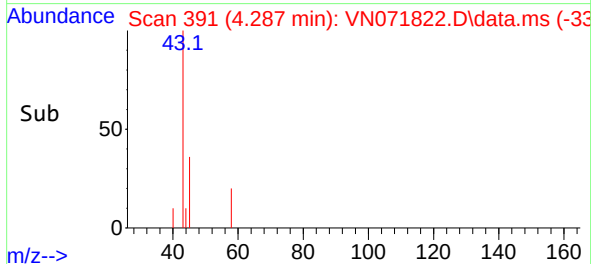
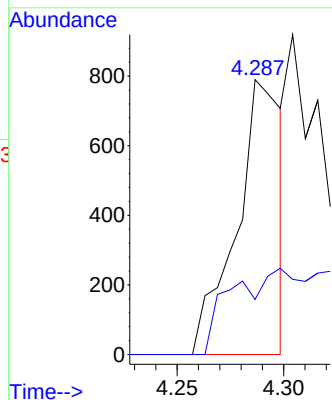
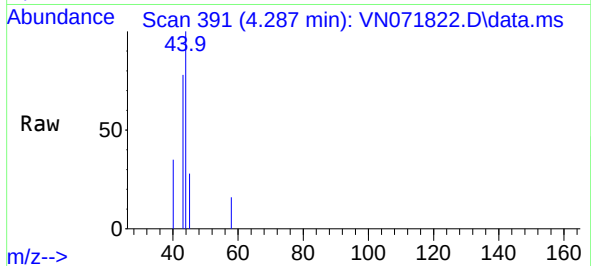




#16
Acetone
Concen: 0.480 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

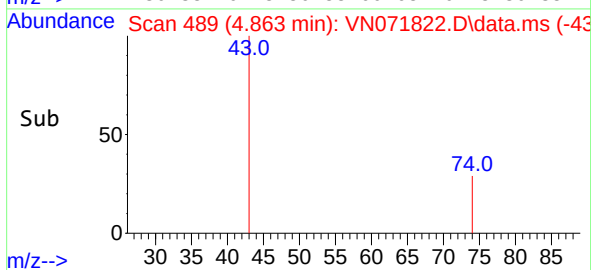
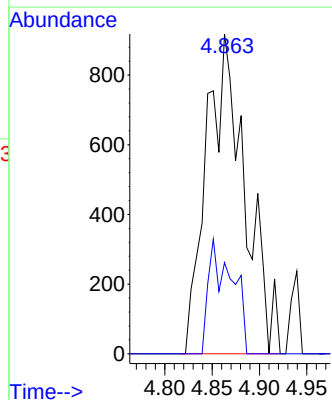
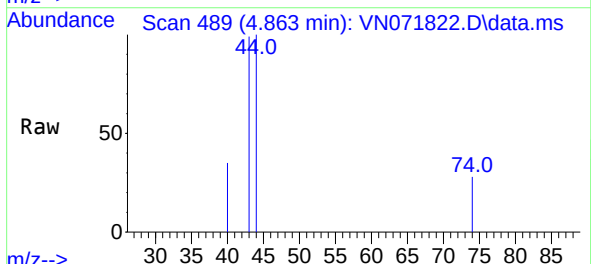
Instrument :
MSVOA_N
ClientSampleId :
VN0404MBL01

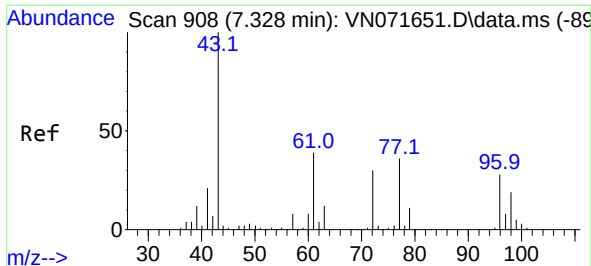
Tgt Ion: 43 Resp: 1162
Ion Ratio Lower Upper
43 100
58 20.0 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

Tgt Ion: 43 Resp: 2600
Ion Ratio Lower Upper
43 100
74 21.9 21.6 32.4

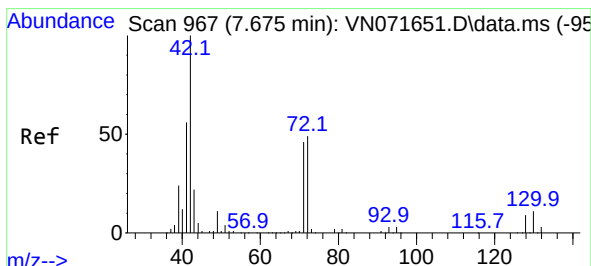
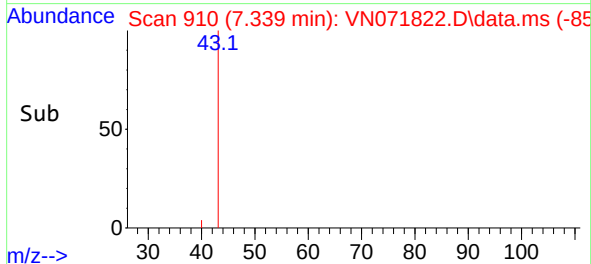
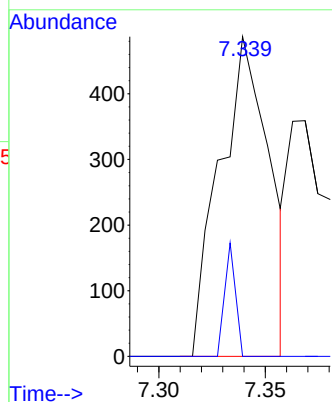
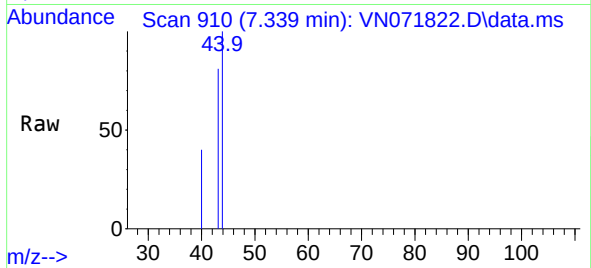




#25
2-Butanone
Concen: 0.225 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

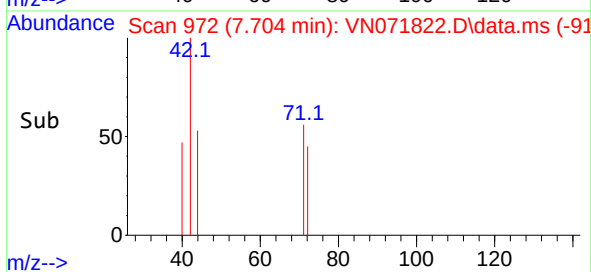
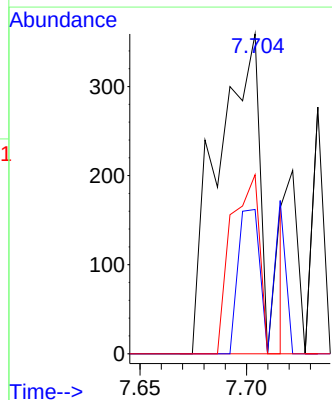
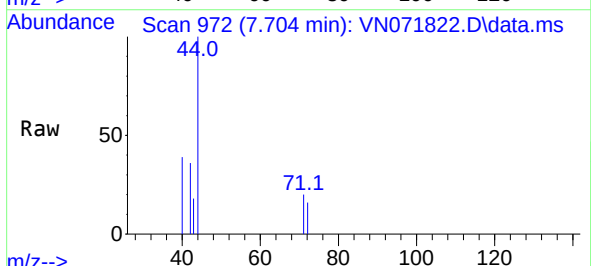
Instrument :
MSVOA_N
ClientSampleId :
VN0404MBL01

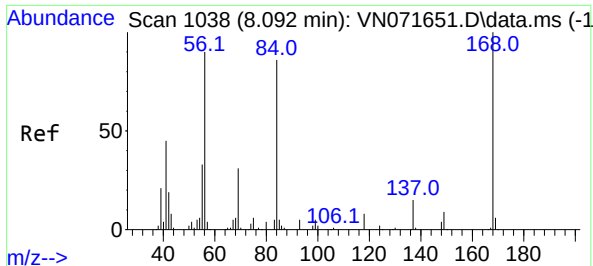
Tgt Ion: 43 Resp: 786
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.239 ug/l
RT: 7.704 min Scan# 972
Delta R.T. 0.029 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

Tgt Ion: 42 Resp: 541
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 34.2 36.6 55.0#





#31

Cyclohexane

Concen: 1.139 ug/l

RT: 8.086 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN071822.D

Acq: 04 Apr 2022 10:51

Instrument :

MSVOA_N

ClientSampleId :

VN0404MBL01

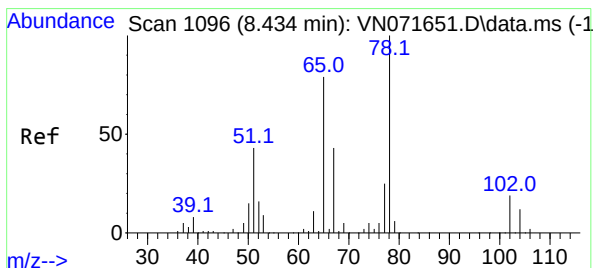
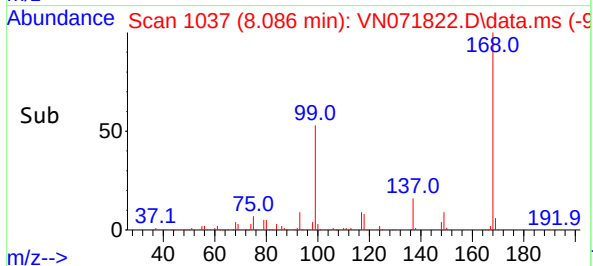
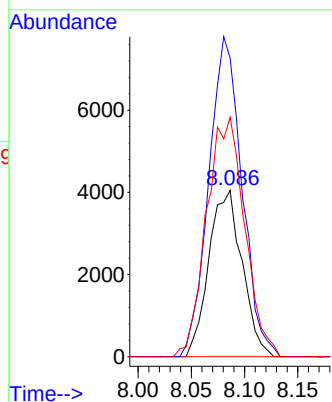
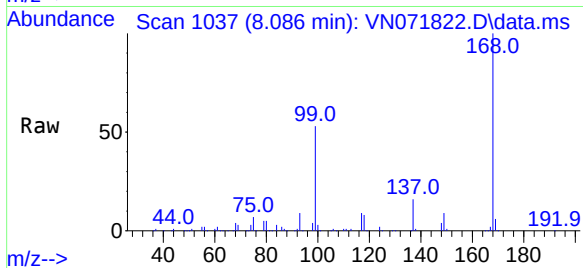
Tgt Ion: 56 Resp: 8778

Ion Ratio Lower Upper

56 100

69 179.5 27.8 41.8#

84 143.9 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 50.737 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071822.D

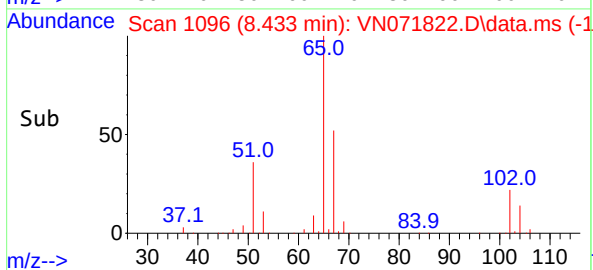
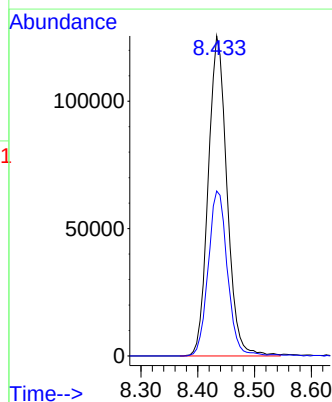
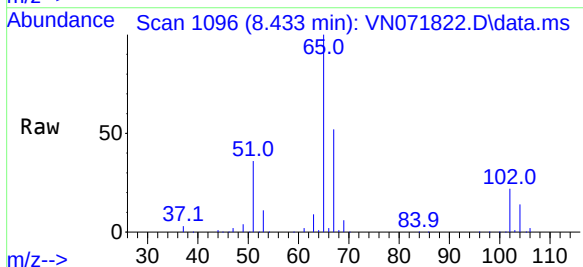
Acq: 04 Apr 2022 10:51

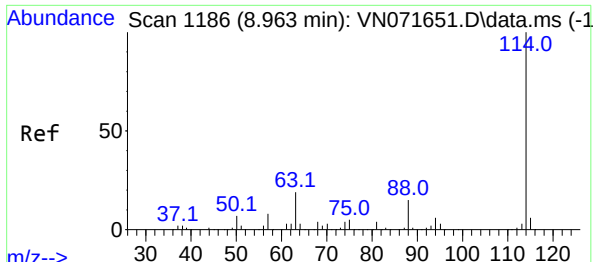
Tgt Ion: 65 Resp: 287615

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.8



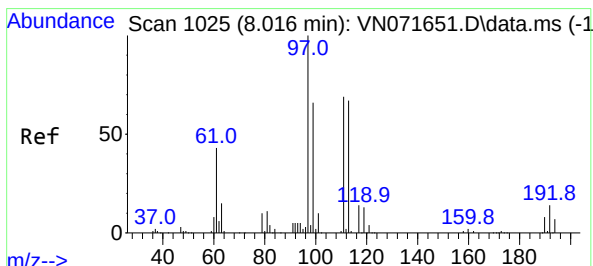
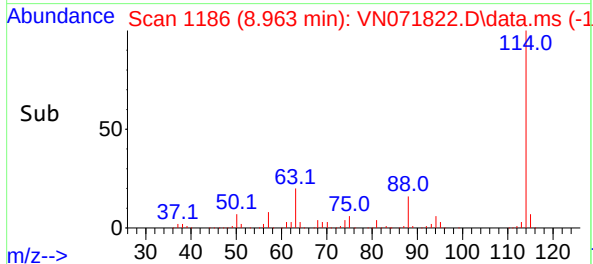
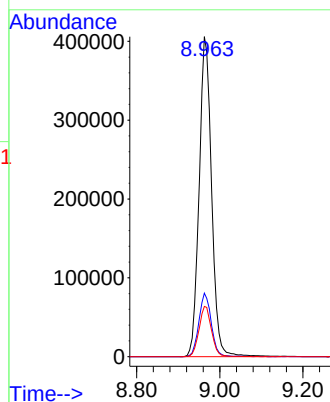
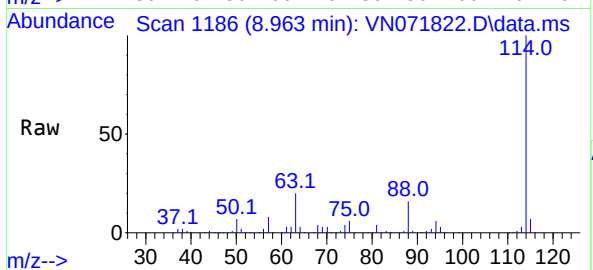


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

Instrument :
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ClientSampleId :
VN0404MBL01

Tgt Ion:114 Resp: 844864

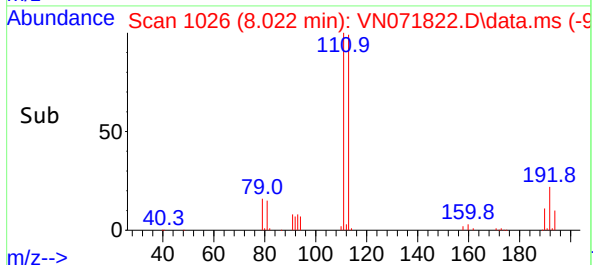
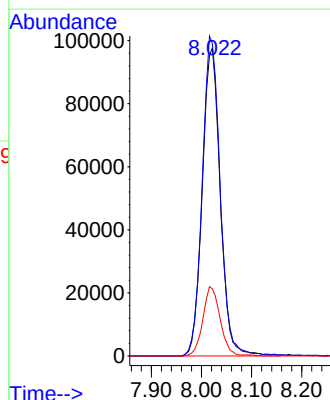
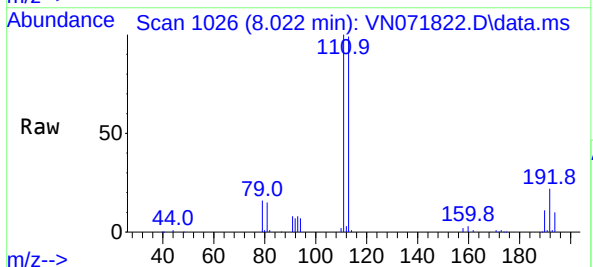
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	15.7	0.0	32.6

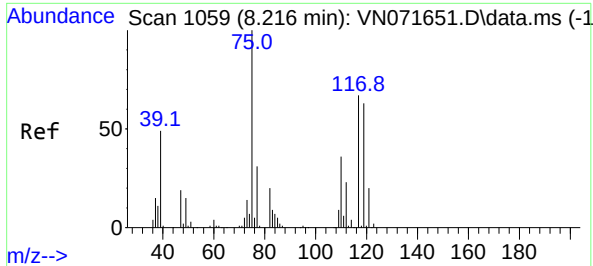


#35
Dibromofluoromethane
Concen: 49.047 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

Tgt Ion:113 Resp: 243837

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.0
192	21.5	17.0	25.6

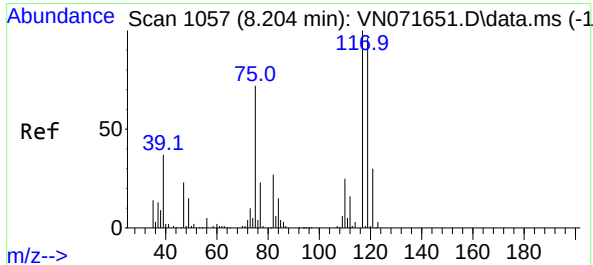
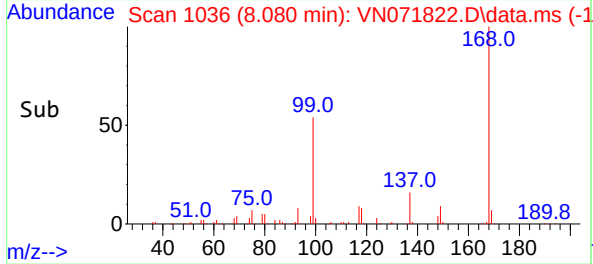
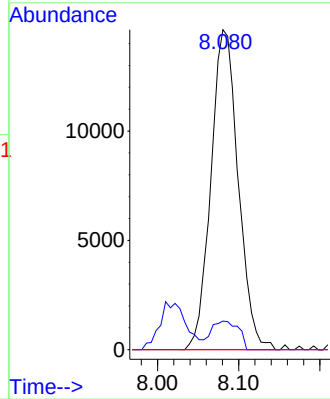
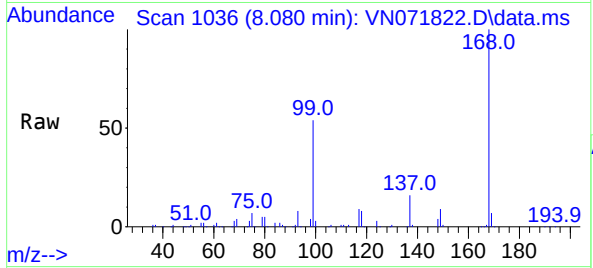




#36
1,1-Dichloropropene
Concen: 4.926 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.136 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

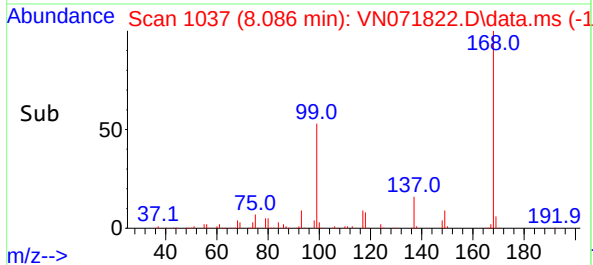
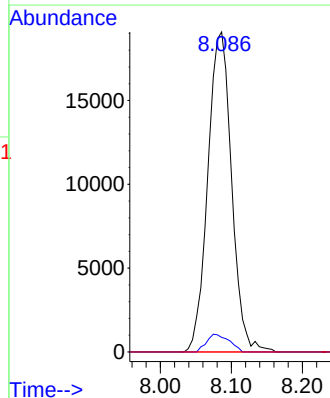
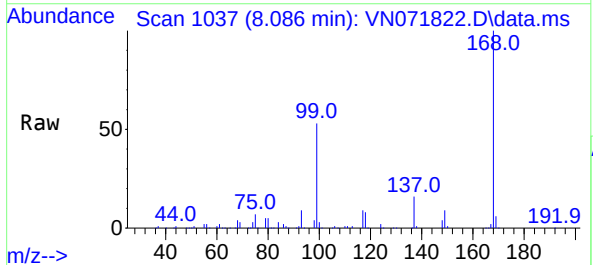
Instrument :
MSVOA_N
ClientSampleId :
VN0404MBL01

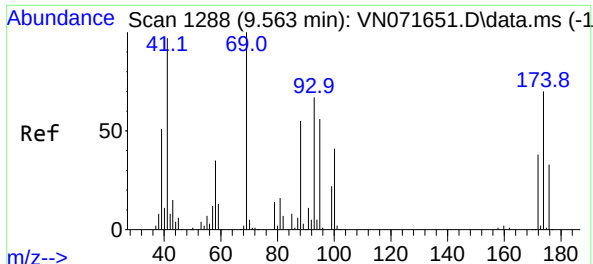
Tgt Ion: 75 Resp: 34201
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.527 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

Tgt Ion: 117 Resp: 44413
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 24.6 37.0#

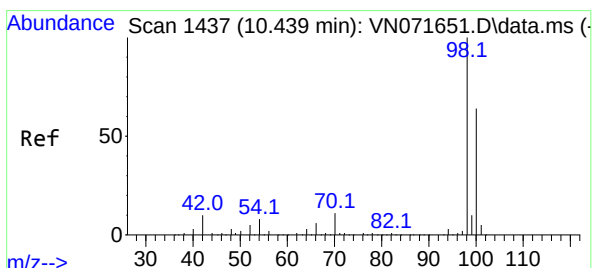
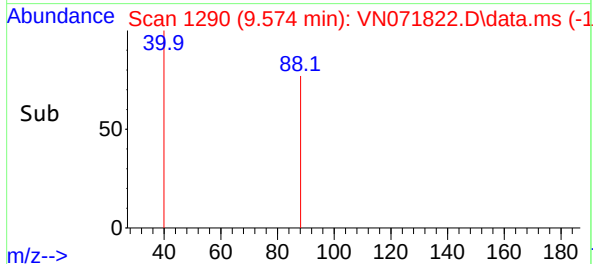
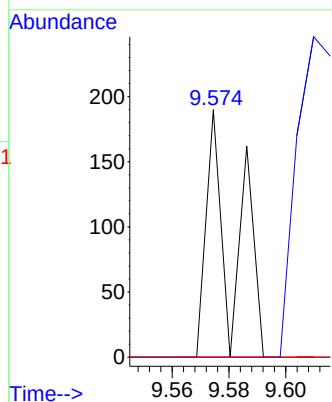
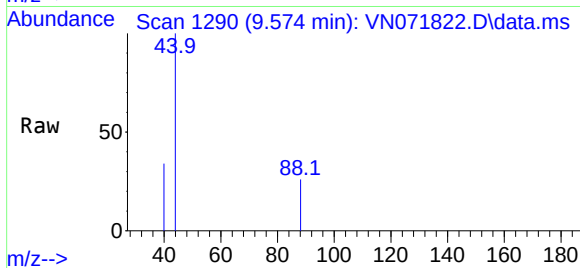




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.574 min Scan# 1288
Delta R.T. 0.011 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

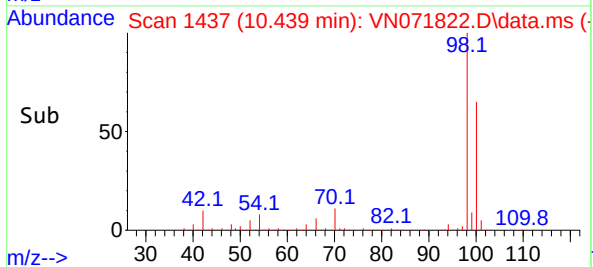
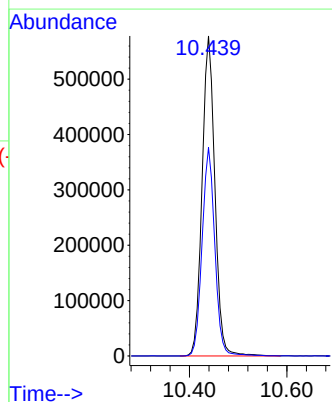
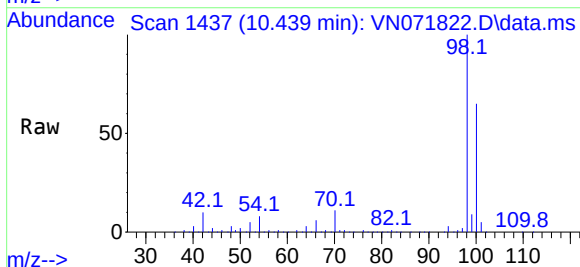
Instrument :
MSVOA_N
ClientSampleId :
VN0404MBL01

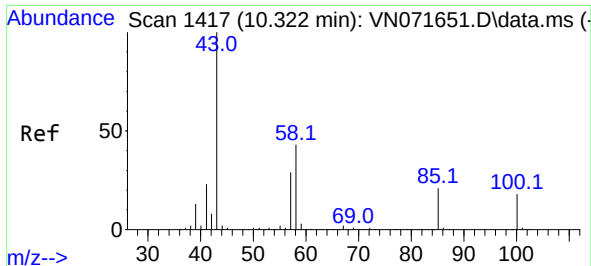
Tgt Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 51.803 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

Tgt Ion: 98 Resp: 1053532
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8

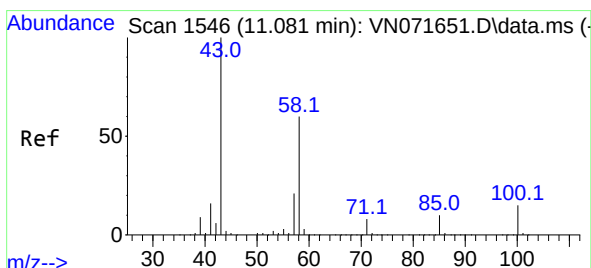
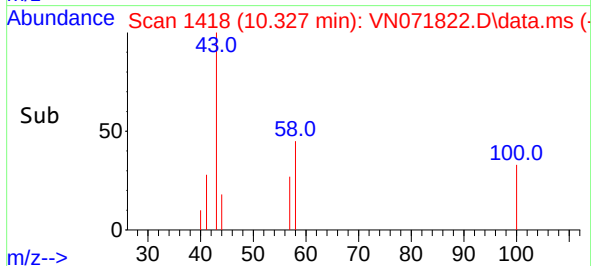
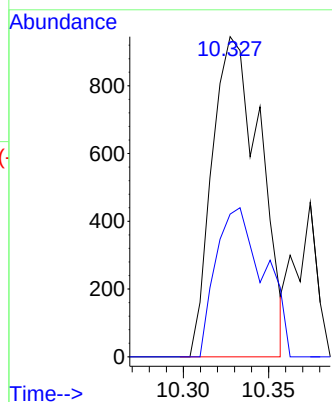
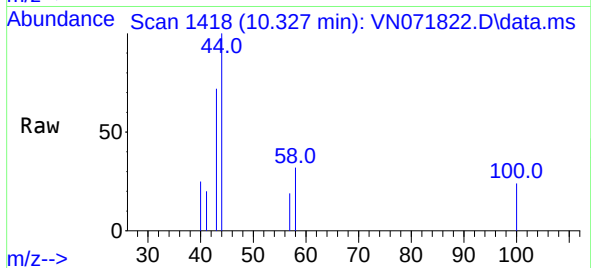




#51
4-Methyl-2-Pentanone
Concen: 0.255 ug/l
RT: 10.327 min Scan# 1417
Delta R.T. 0.005 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

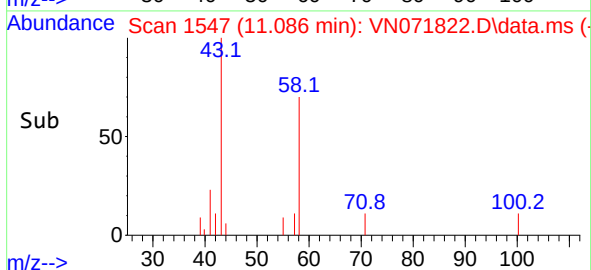
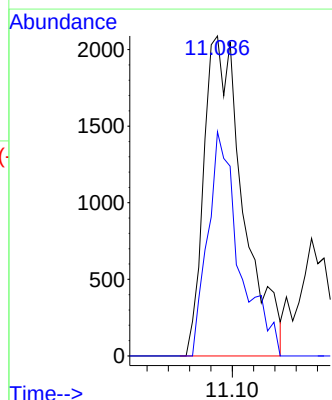
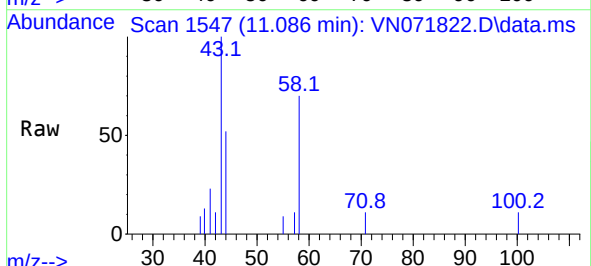
Instrument :
MSVOA_N
ClientSampleId :
VN0404MBL01

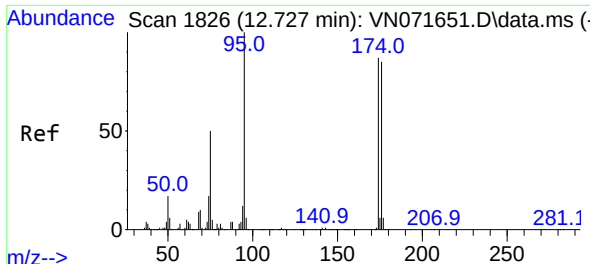
Tgt Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
58 46.6 34.1 51.1



#59
2-Hexanone
Concen: 1.045 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

Tgt Ion: 43 Resp: 5349
Ion Ratio Lower Upper
43 100
58 56.5 29.7 89.1

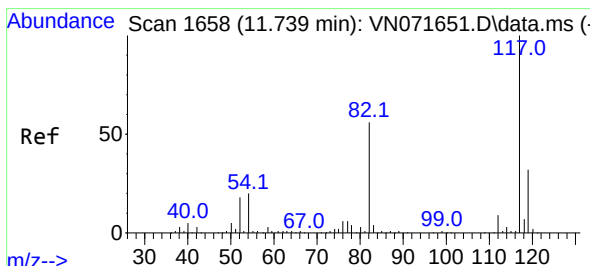
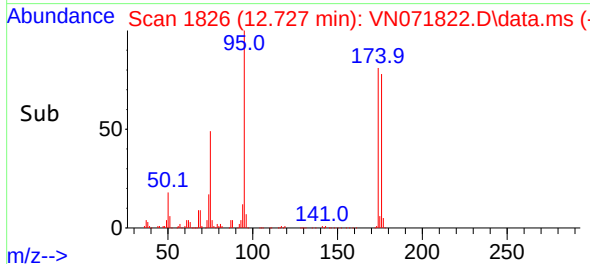
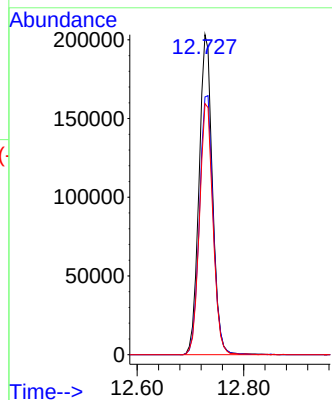
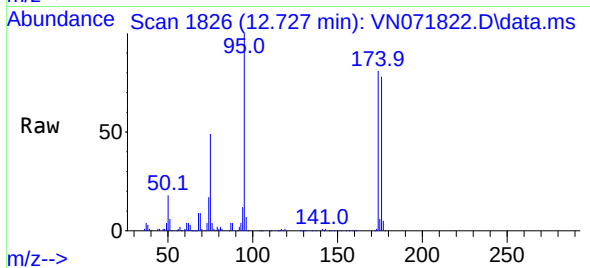




#62
4-Bromofluorobenzene
Concen: 53.898 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

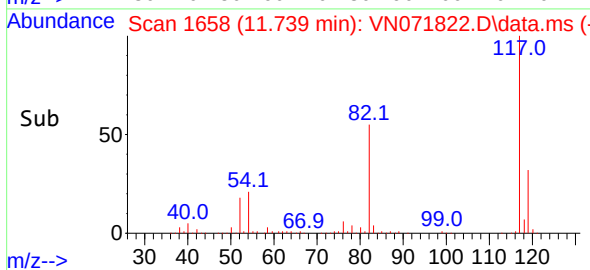
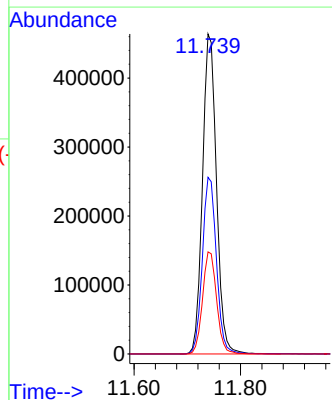
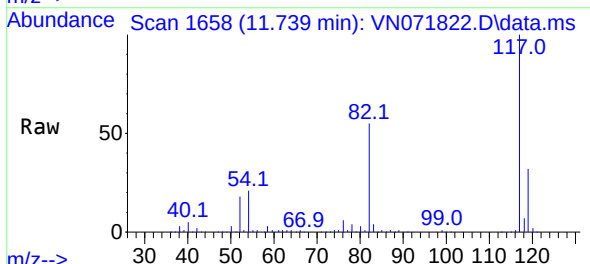
Instrument :
MSVOA_N
ClientSampleId :
VN0404MBL01

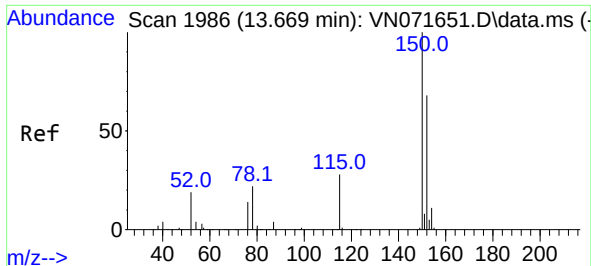
Tgt Ion: 95 Resp: 354513
Ion Ratio Lower Upper
95 100
174 83.1 0.0 167.6
176 79.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

Tgt Ion: 117 Resp: 844144
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.9 25.4 38.0

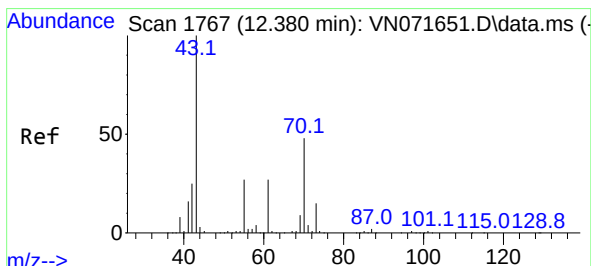
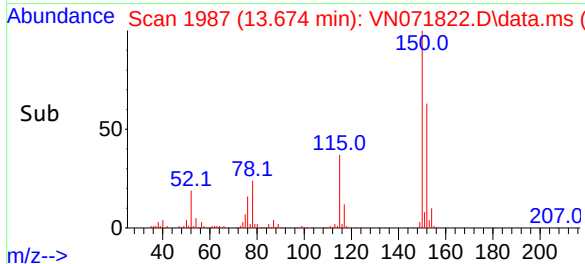
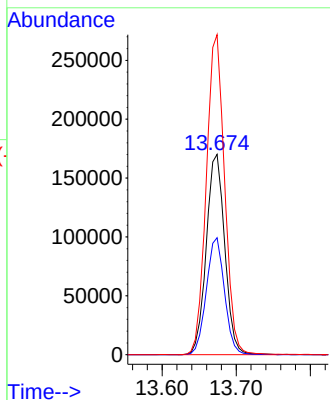
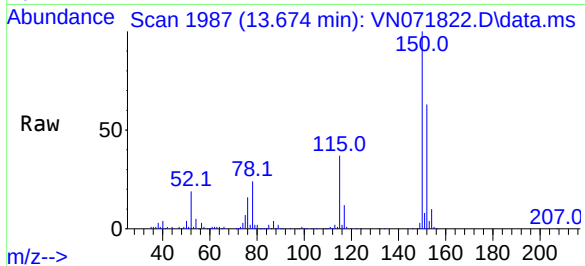




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.005 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

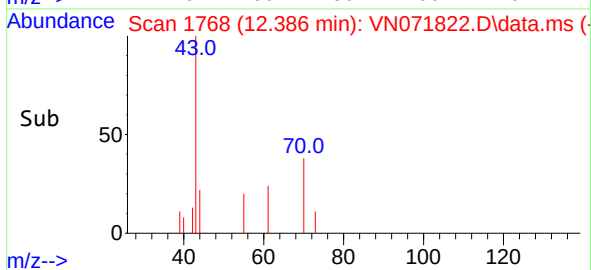
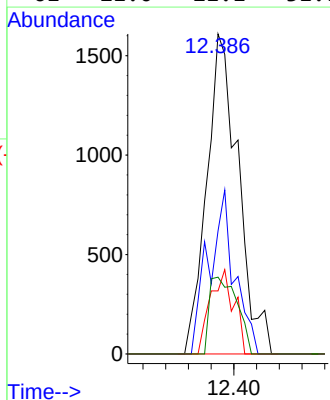
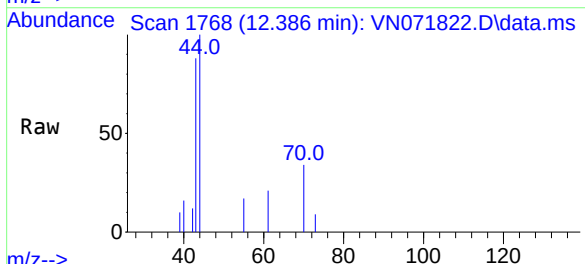
Instrument :
MSVOA_N
ClientSampleId :
VN0404MBL01

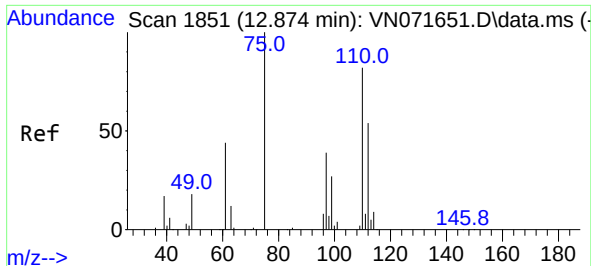
Tgt Ion:152 Resp: 294885
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 158.2 0.0 356.2



#74
N-ethyl acetate
Concen: 0.435 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

Tgt Ion: 43 Resp: 3100
Ion Ratio Lower Upper
43 100
70 42.5 39.0 58.4
55 19.7 21.1 31.7#
61 21.0 21.1 31.7#

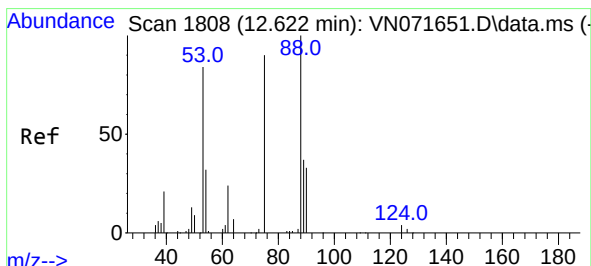
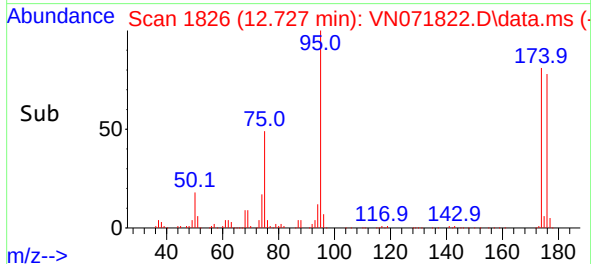
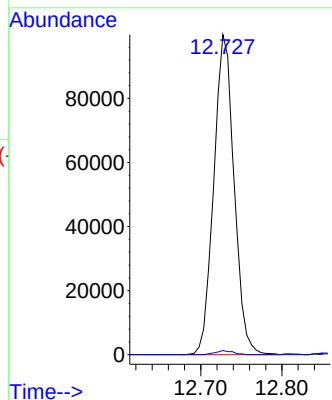
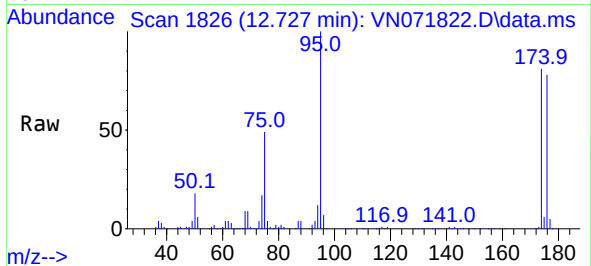




#76
1,2,3-Trichloropropane
Concen: 25.433 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

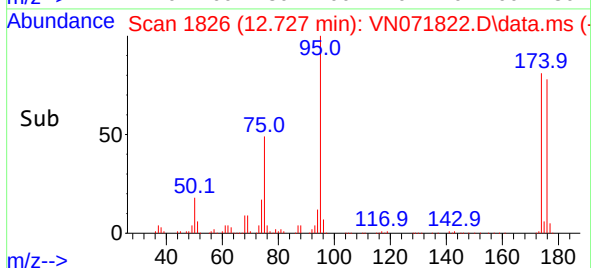
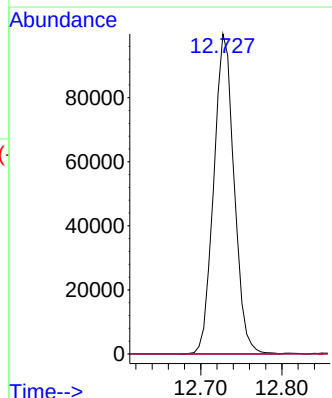
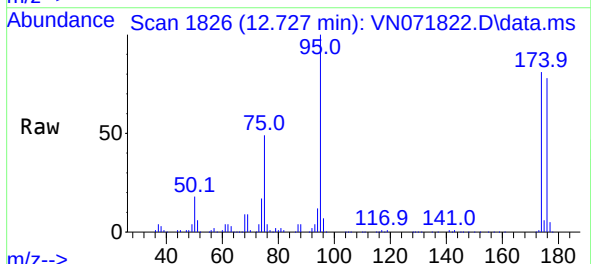
Instrument :
MSVOA_N
ClientSampleId :
VN0404MBL01

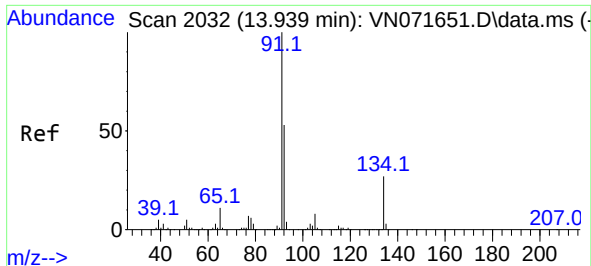
Tgt Ion: 75 Resp: 173740
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.816 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

Tgt Ion: 75 Resp: 173740
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#89

n-Butylbenzene

Concen: 0.273 ug/l

RT: 13.933 min Scan# 2031

Delta R.T. -0.006 min

Lab File: VN071822.D

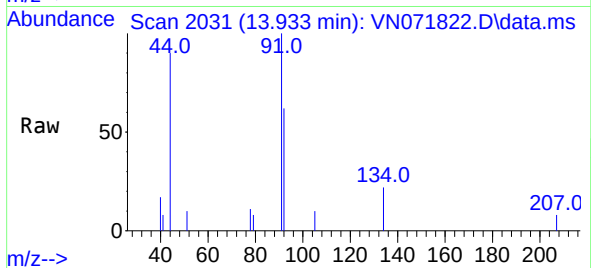
Acq: 04 Apr 2022 10:51

Instrument :

MSVOA_N

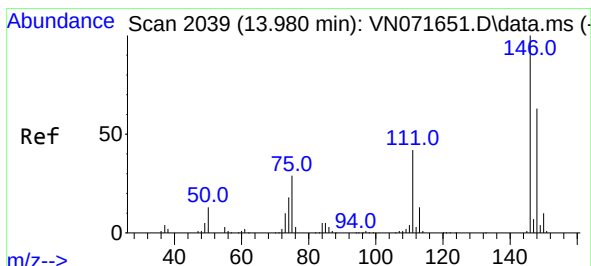
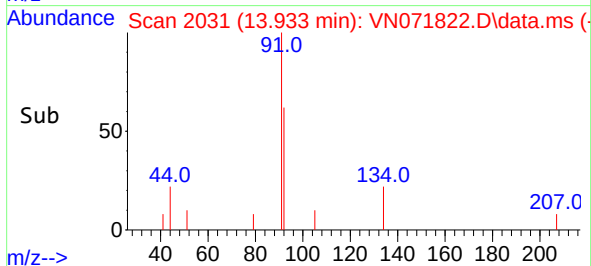
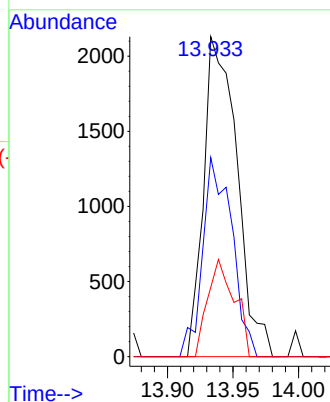
ClientSampleId :

VN0404MBL01



Tgt Ion: 91 Resp: 3767

Ion	Ratio	Lower	Upper
91	100		
92	54.7	26.9	80.7
134	24.6	13.6	40.8



#91

1,2-Dichlorobenzene

Concen: 0.202 ug/l

RT: 13.980 min Scan# 2039

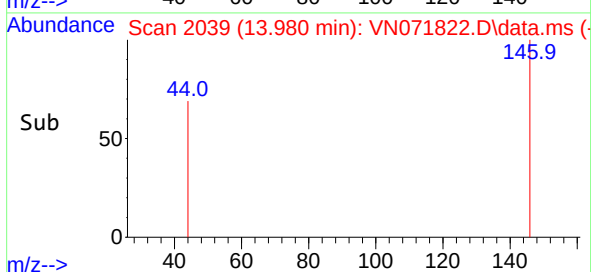
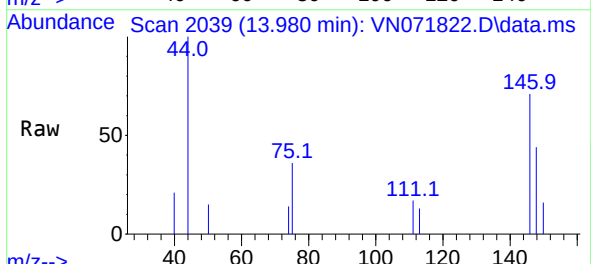
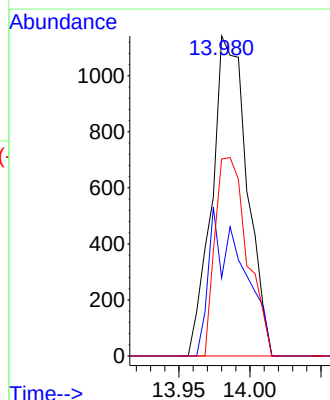
Delta R.T. 0.000 min

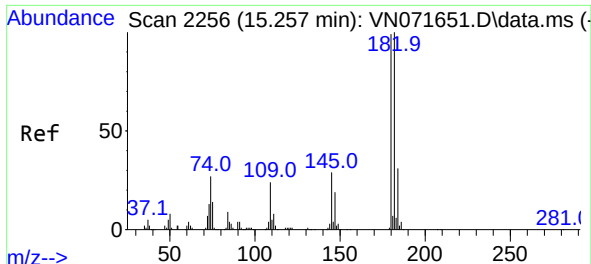
Lab File: VN071822.D

Acq: 04 Apr 2022 10:51

Tgt Ion: 146 Resp: 1967

Ion	Ratio	Lower	Upper
146	100		
111	44.2	20.9	62.8
148	57.1	32.1	96.3

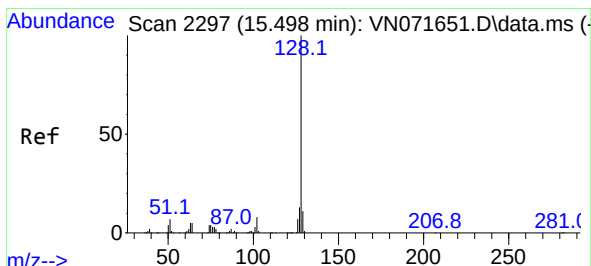
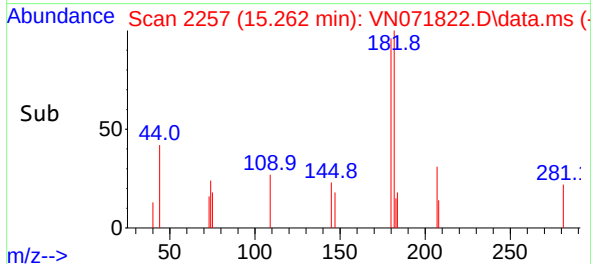
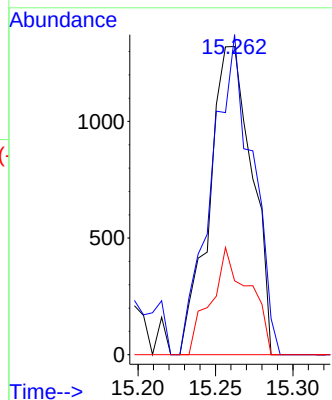
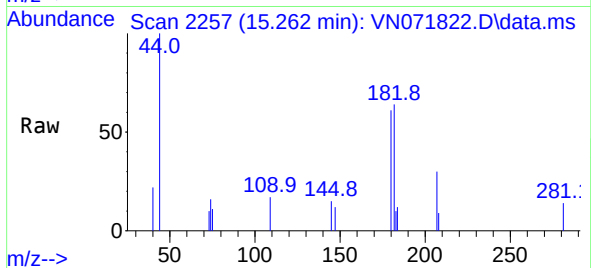




#93
1,2,4-Trichlorobenzene
Concen: 2.602 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

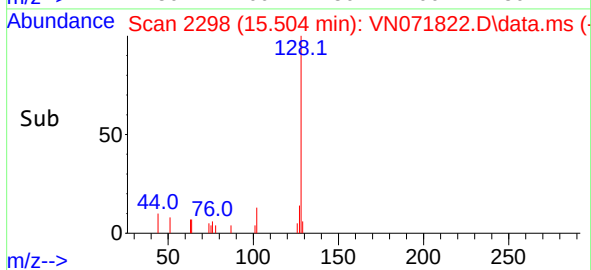
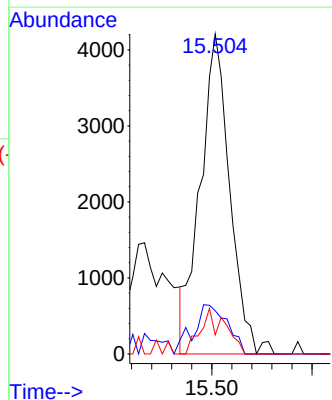
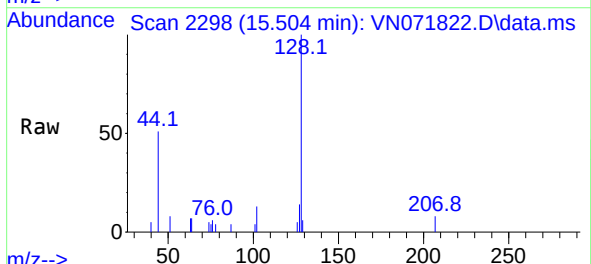
Instrument :
MSVOA_N
ClientSampleId :
VN0404MBL01

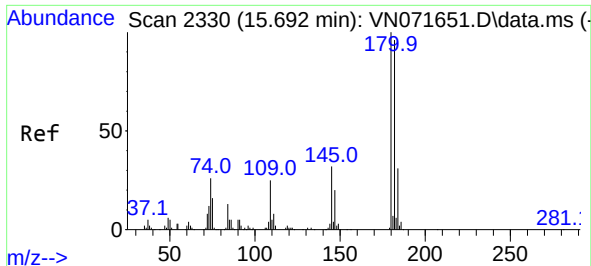
Tgt Ion:180 Resp: 2529
Ion Ratio Lower Upper
180 100
182 100.4 47.5 142.5
145 31.0 14.5 43.5



#95
Naphthalene
Concen: 4.396 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071822.D
Acq: 04 Apr 2022 10:51

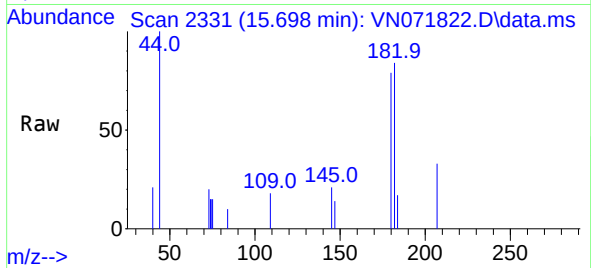
Tgt Ion:128 Resp: 8619
Ion Ratio Lower Upper
128 100
127 17.6 10.3 15.5#
129 11.9 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 3.031 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071822.D
 Acq: 04 Apr 2022 10:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404MBL01



Tgt Ion:	180	Resp:	2949
Ion	Ratio	Lower	Upper
180	100		
182	100.5	47.8	143.3
145	25.2	15.5	46.5

