

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
 Data File : VN071258.D
 Acq On : 14 Mar 2022 11:04
 Operator : JC\MD
 Sample : VN0314MBL01
 Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314MBL01

Quant Time: Mar 15 02:49:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

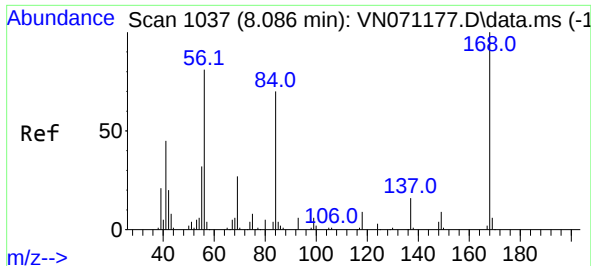
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.081	168	725936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1184396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1070236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	376232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	447795	45.008	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.020%		
35) Dibromofluoromethane	8.016	113	348217	46.591	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.180%		
50) Toluene-d8	10.433	98	1428399	47.467	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.940%		
62) 4-Bromofluorobenzene	12.727	95	454194	44.572	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.140%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3060	0.252	ug/l	94
5) Bromomethane	2.793	94	77	Below Cal	#	3
13) Acrolein	4.046	56	735	0.355	ug/l #	69
16) Acetone	4.287	43	9906	2.046	ug/l #	89
18) Methyl Acetate	4.857	43	19272	1.938	ug/l	93
20) Methylene Chloride	5.081	84	896	0.482	ug/l #	69
25) 2-Butanone	7.334	43	1654	0.212	ug/l #	48
29) Tetrahydrofuran	7.687	42	1280	0.237	ug/l #	83
31) Cyclohexane	8.081	56	15159	0.954	ug/l #	11
36) 1,1-Dichloropropene	8.081	75	55551	4.639	ug/l #	49
38) Carbon Tetrachloride	8.081	117	68848	5.944	ug/l #	16
43) Isopropyl Acetate	8.681	43	85720	3.478	ug/l #	56
49) 1,4-Dioxane	9.581	88	201	1.012	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	3818	0.250	ug/l #	81
59) 2-Hexanone	11.080	43	7157	0.686	ug/l	96
74) N-amyl acetate	12.380	43	3520	0.258	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.816	83	869	Below Cal	#	84
76) 1,2,3-Trichloropropane	12.727	75	237873	24.656	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	237873	68.346	ug/l #	5
89) n-Butylbenzene	13.939	91	4479	0.218	ug/l	97
91) 1,2-Dichlorobenzene	13.986	146	2806	0.212	ug/l	87
93) 1,2,4-Trichlorobenzene	15.263	180	3364	3.502	ug/l	88
95) Naphthalene	15.504	128	9145	5.544	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	3629	3.313	ug/l	94

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

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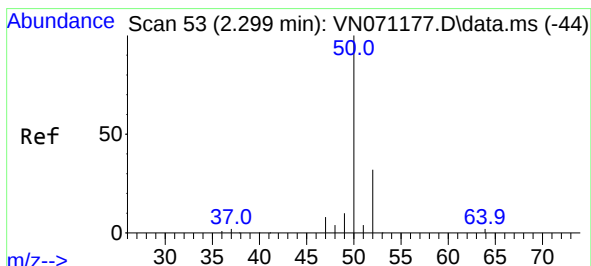
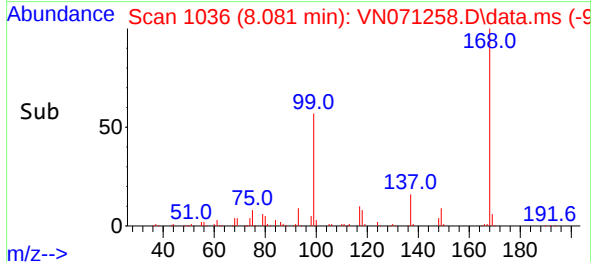
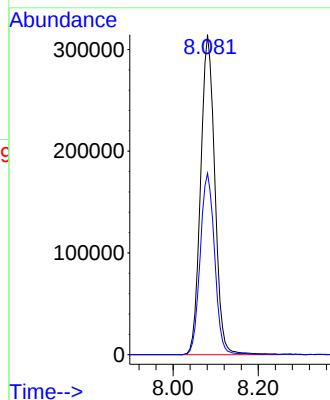
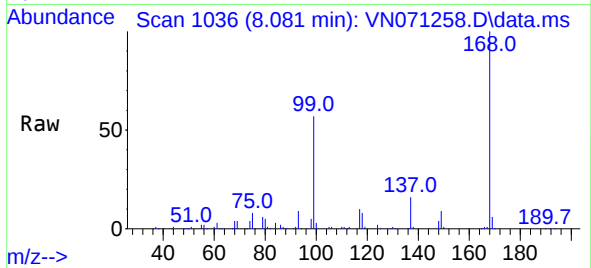




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

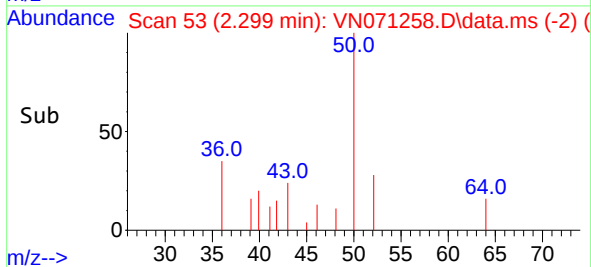
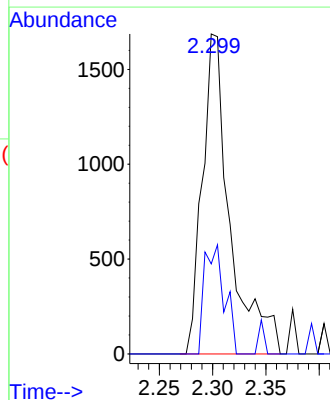
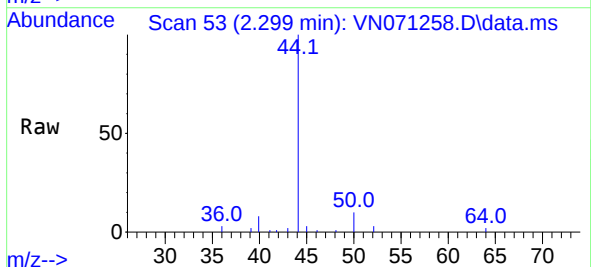
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

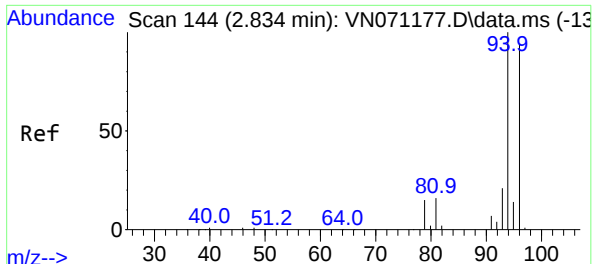
Tgt Ion:168 Resp: 725936
Ion Ratio Lower Upper
168 100
99 56.7 41.3 61.9



#3
Chloromethane
Concen: 0.252 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Tgt Ion: 50 Resp: 3060
Ion Ratio Lower Upper
50 100
52 28.2 25.4 38.0

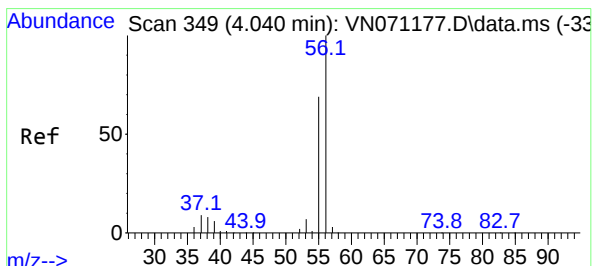
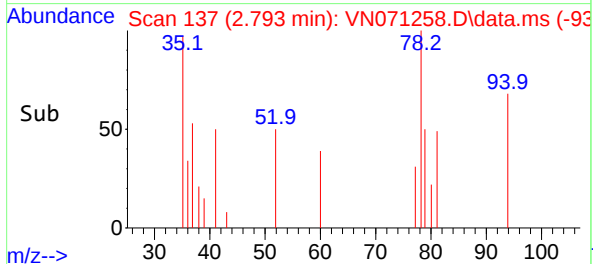
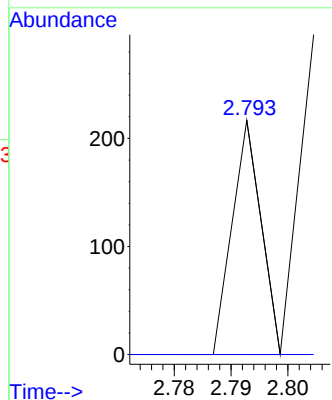
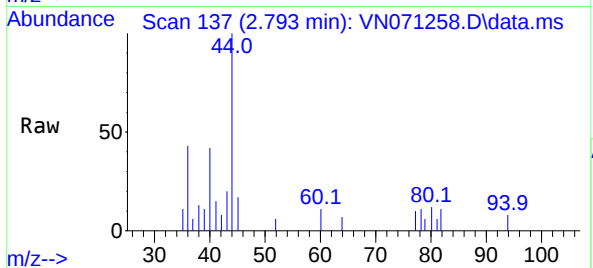




#5
Bromomethane
Concen: Below Cal
RT: 2.793 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

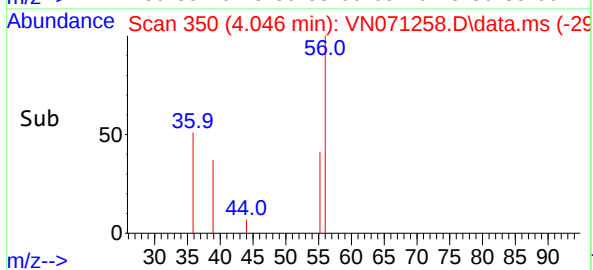
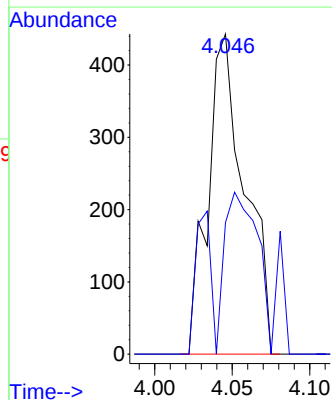
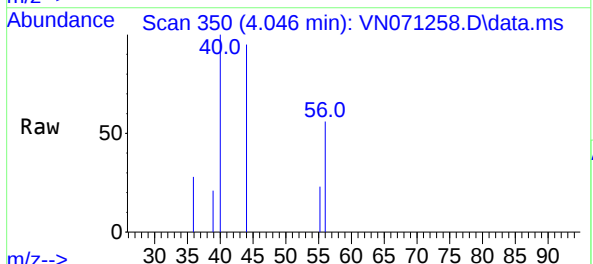
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

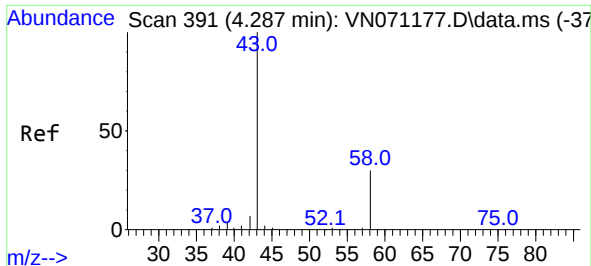
Tgt Ion: 94 Resp: 77
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#



#13
Acrolein
Concen: 0.355 ug/l
RT: 4.046 min Scan# 350
Delta R.T. 0.006 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Tgt Ion: 56 Resp: 735
Ion Ratio Lower Upper
56 100
55 45.2 56.6 85.0#

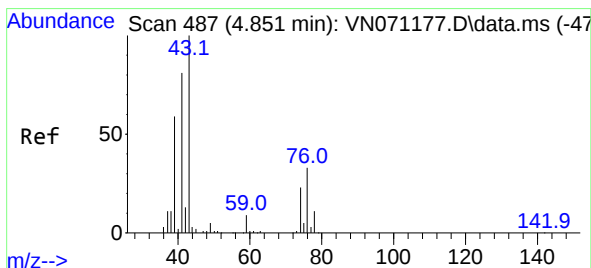
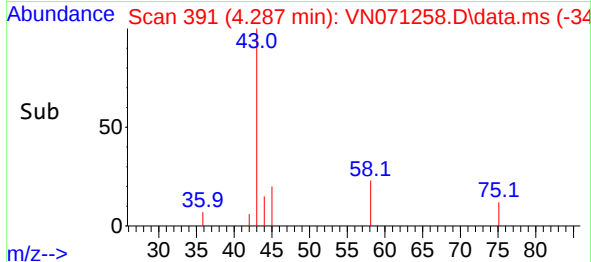
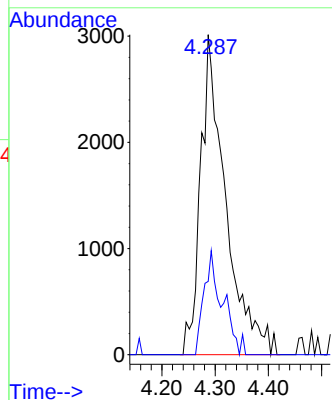
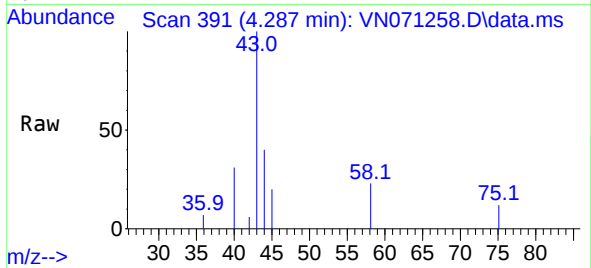




#16
Acetone
Concen: 2.046 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.000 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

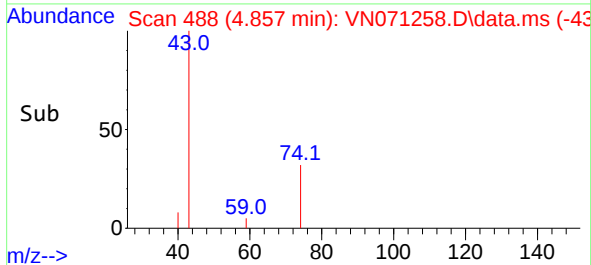
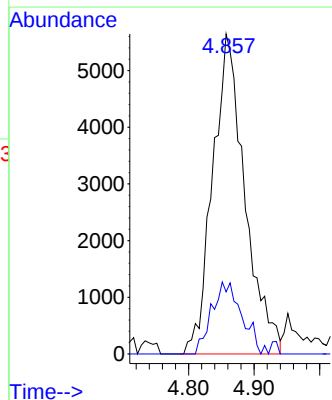
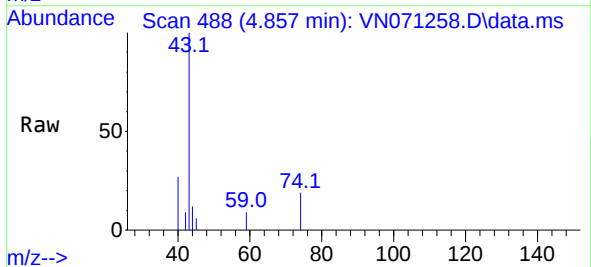
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

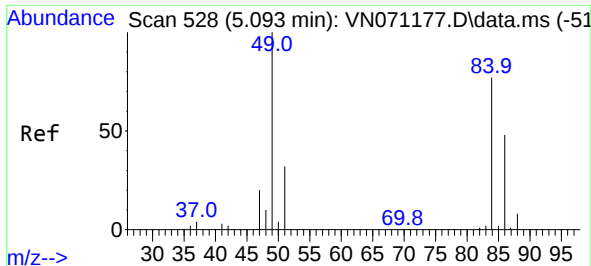
Tgt Ion: 43 Resp: 9906
Ion Ratio Lower Upper
43 100
58 22.9 23.1 34.7#



#18
Methyl Acetate
Concen: 1.938 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Tgt Ion: 43 Resp: 19272
Ion Ratio Lower Upper
43 100
74 20.7 19.4 29.2

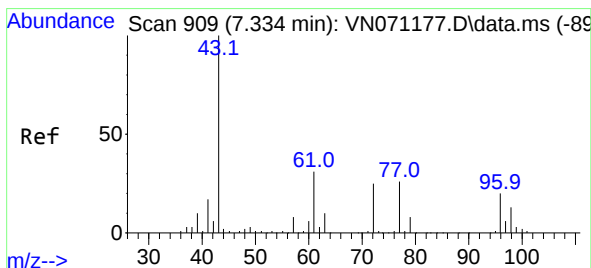
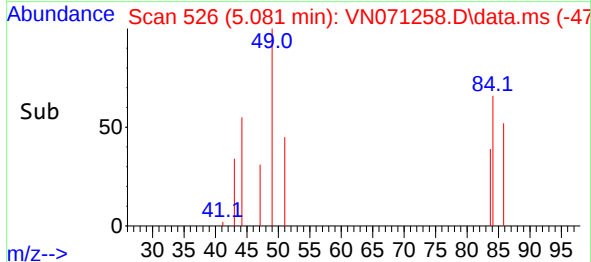
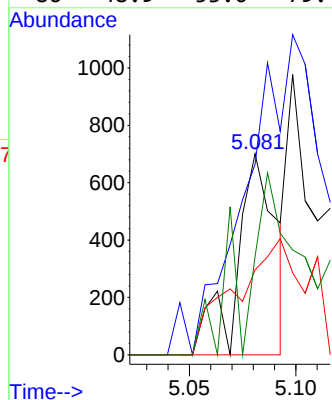
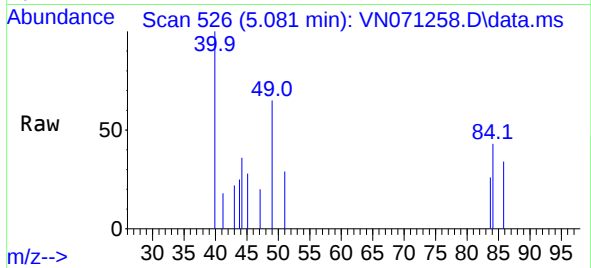




#20
Methylene Chloride
Concen: 0.482 ug/l
RT: 5.081 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

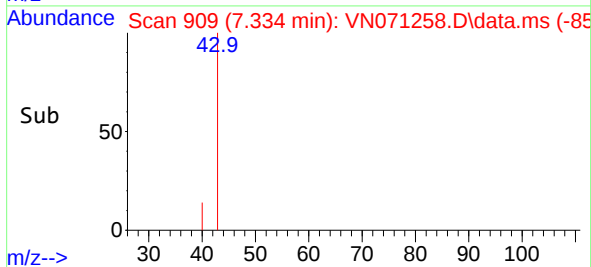
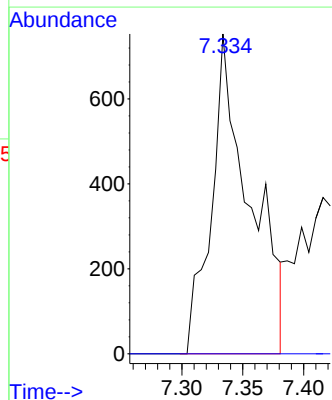
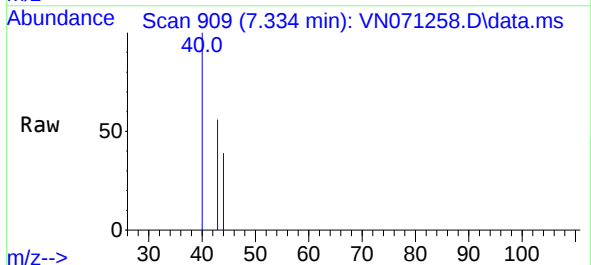
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

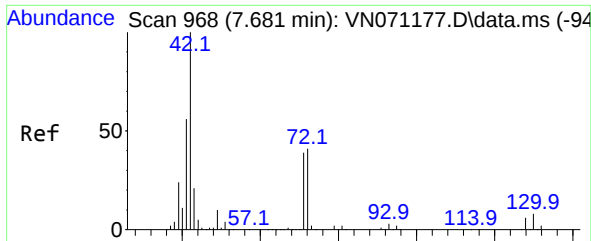
Tgt Ion: 84	Resp:	896	
Ion	Ratio	Lower	Upper
84	100		
49	68.8	93.5	140.3#
51	42.2	29.4	44.2
86	48.9	53.0	79.4#



#25
2-Butanone
Concen: 0.212 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.000 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Tgt Ion: 43	Resp:	1654	
Ion Ratio	Lower	Upper	
43 100			
72 0.0	21.7	32.5#	

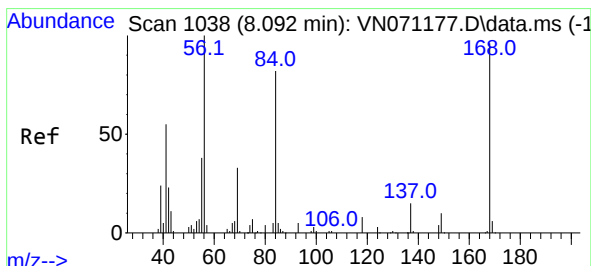
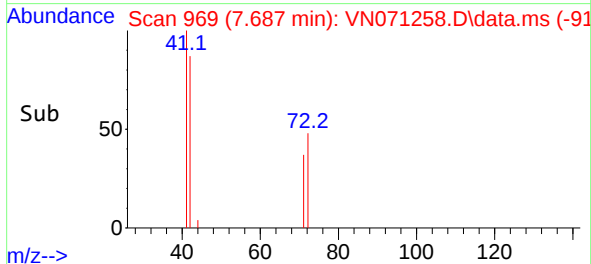
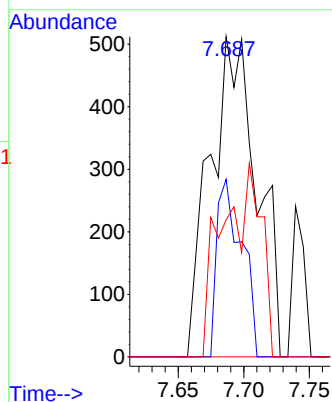
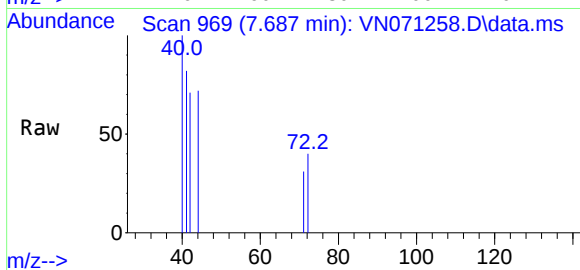




#29
Tetrahydrofuran
Concen: 0.237 ug/l
RT: 7.687 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

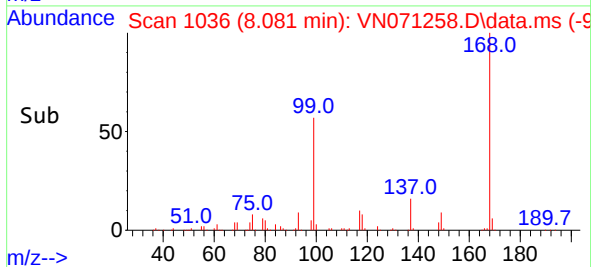
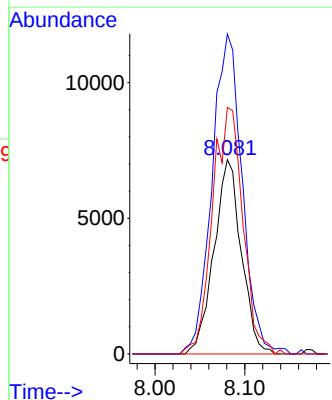
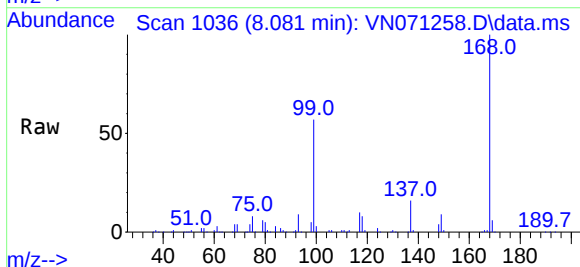
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

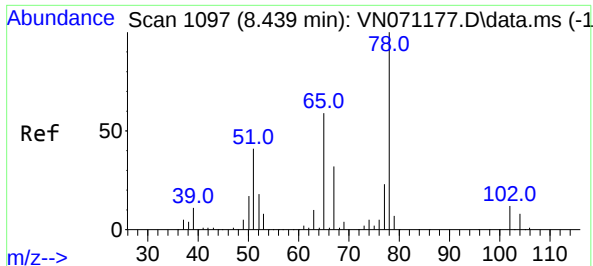
Tgt Ion:	42	Resp:	1280
Ion	Ratio	Lower	Upper
42	100		
72	29.2	36.3	54.5#
71	49.5	34.7	52.1



#31
Cyclohexane
Concen: 0.954 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Tgt Ion:	56	Resp:	15159
Ion	Ratio	Lower	Upper
56	100		
69	164.7	27.1	40.7#
84	126.9	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 45.008 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071258.D

Acq: 14 Mar 2022 11:04

Instrument :

MSVOA_N

ClientSampleId :

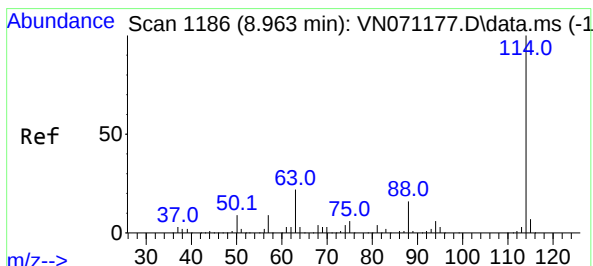
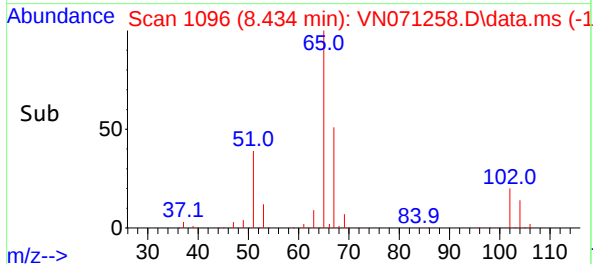
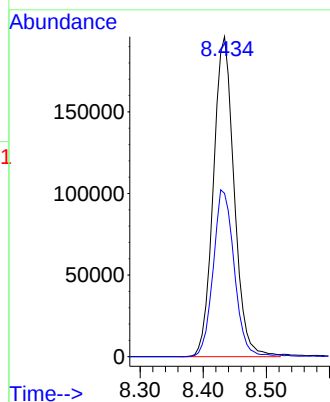
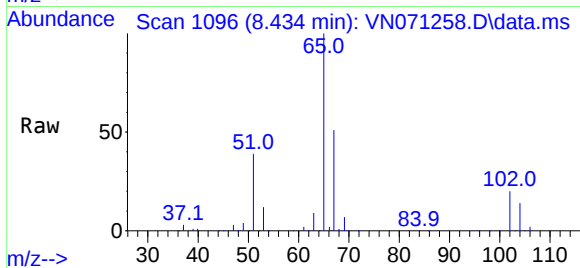
VN0314MBL01

Tgt Ion: 65 Resp: 447795

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071258.D

Acq: 14 Mar 2022 11:04

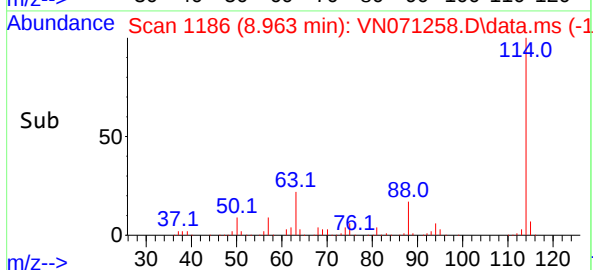
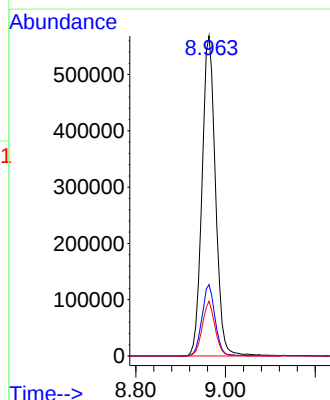
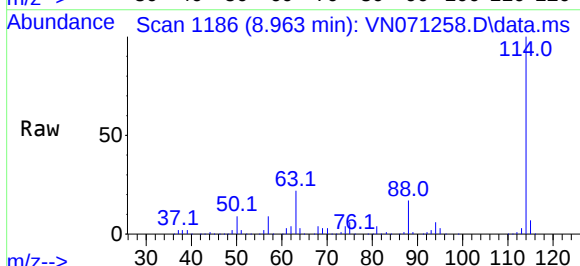
Tgt Ion:114 Resp: 1184396

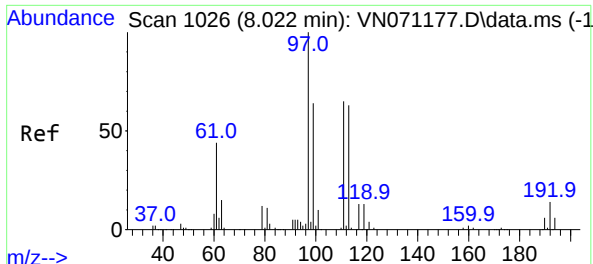
Ion Ratio Lower Upper

114 100

63 22.3 0.0 37.8

88 17.1 0.0 27.4

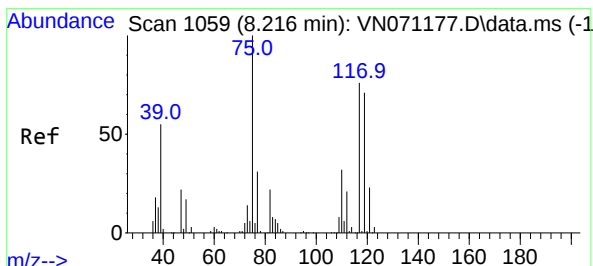
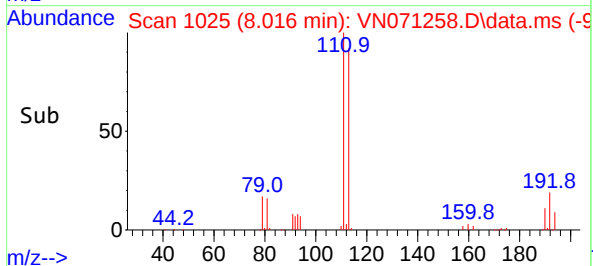
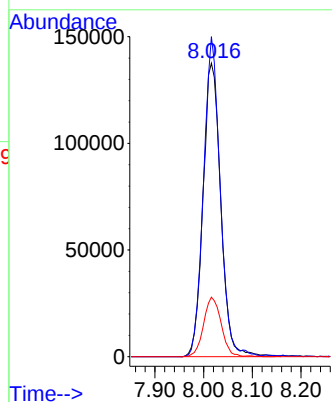
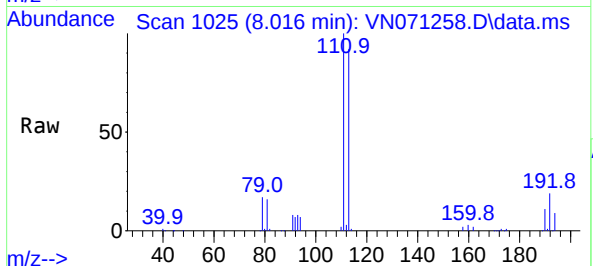




#35
Dibromofluoromethane
Concen: 46.591 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

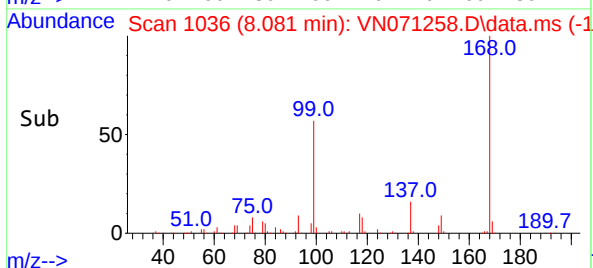
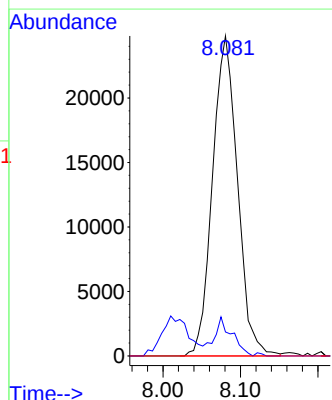
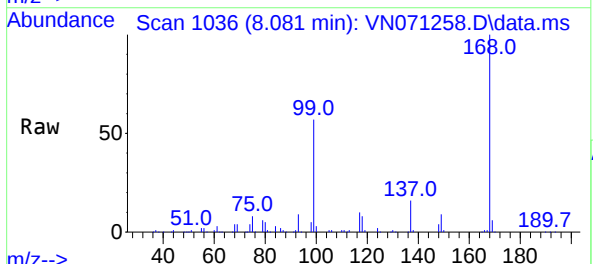
Instrument :
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ClientSampleId :
VN0314MBL01

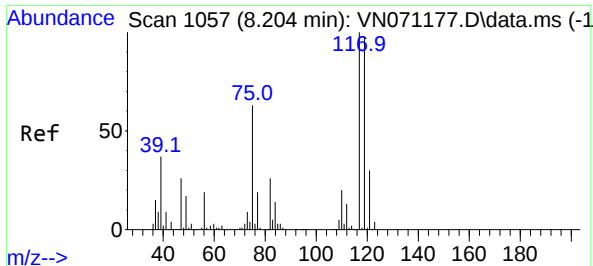
Tgt Ion:113 Resp: 348217
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.639 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

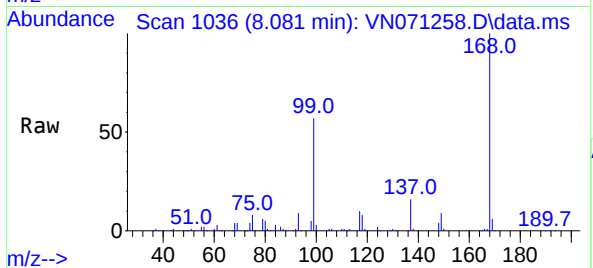
Tgt Ion: 75 Resp: 55551
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#



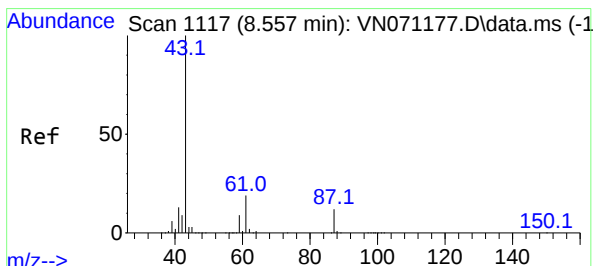
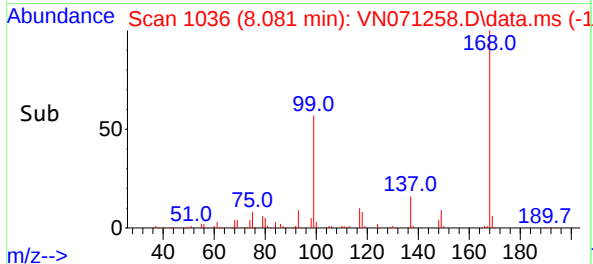
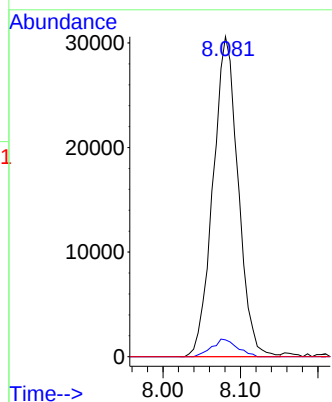


#38
Carbon Tetrachloride
Concen: 5.944 ug/l
RT: 8.081 min Scan# 1138
Delta R.T. -0.123 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

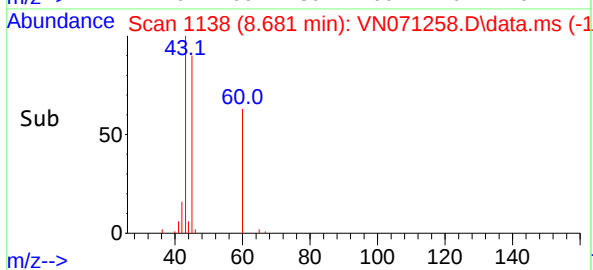
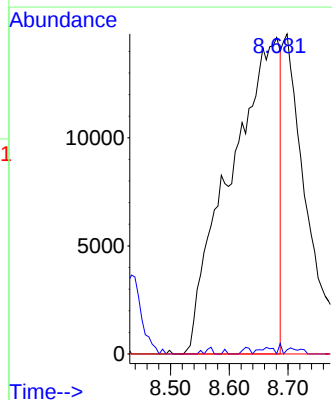
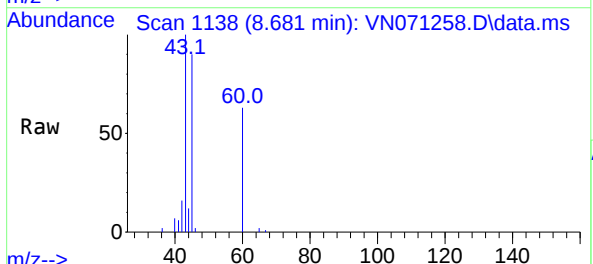


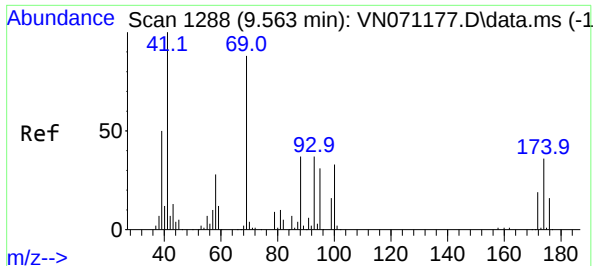
Tgt Ion:117 Resp: 68848
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.478 ug/l
RT: 8.681 min Scan# 1138
Delta R.T. 0.124 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Tgt Ion: 43 Resp: 85720
Ion Ratio Lower Upper
43 100
61 0.6 20.4 30.6#
87 0.0 11.2 16.8#

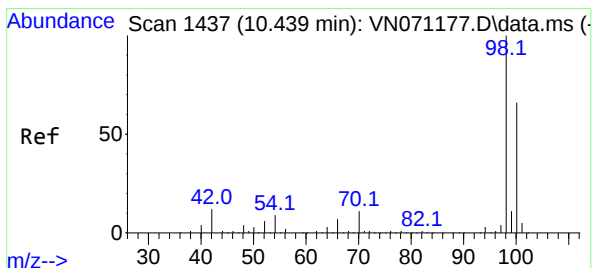
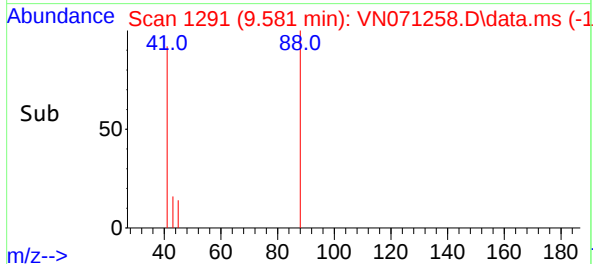
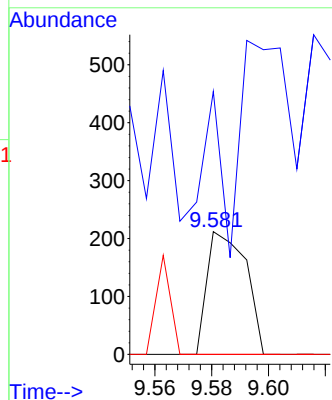
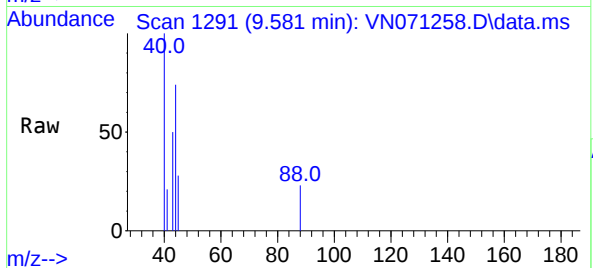




#49
1,4-Dioxane
Concen: 1.012 ug/l
RT: 9.581 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

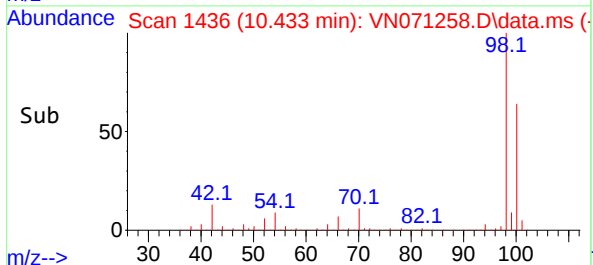
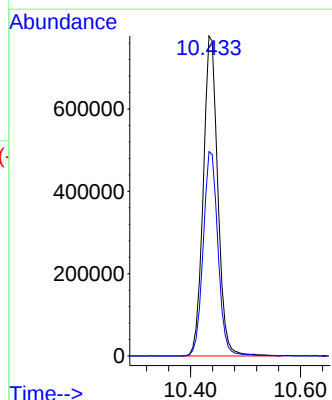
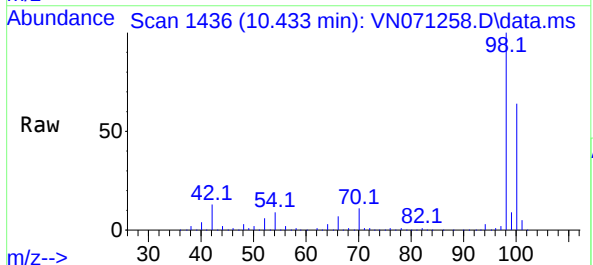
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

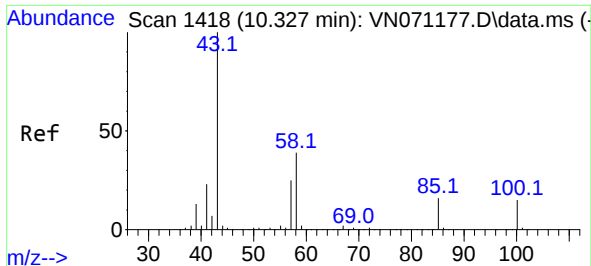
Tgt Ion: 88 Resp: 201
Ion Ratio Lower Upper
88 100
43 168.7 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 47.467 ug/l
RT: 10.433 min Scan# 1436
Delta R.T. -0.006 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Tgt Ion: 98 Resp: 1428399
Ion Ratio Lower Upper
98 100
100 65.1 50.4 75.6

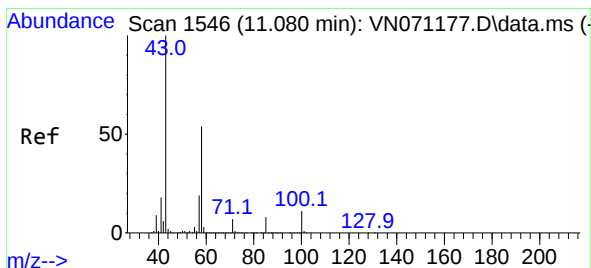
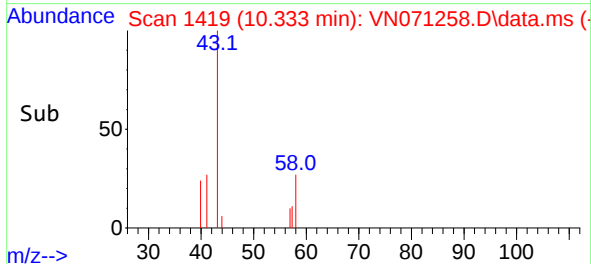
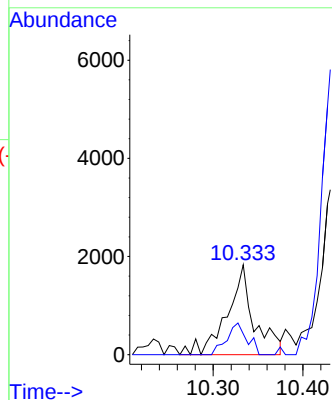
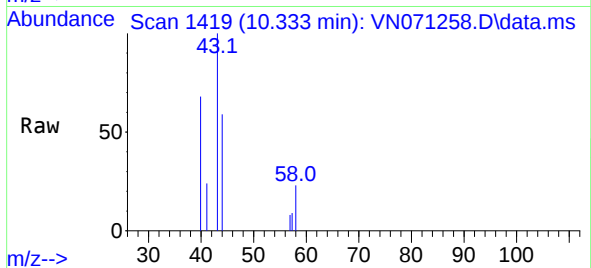




#51
4-Methyl-2-Pentanone
Concen: 0.250 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

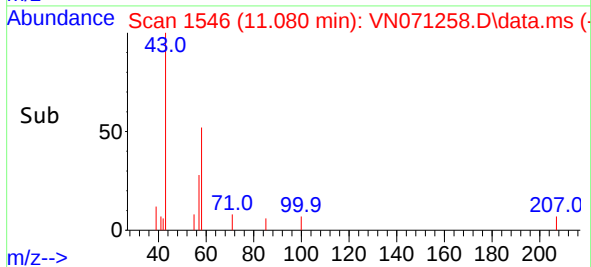
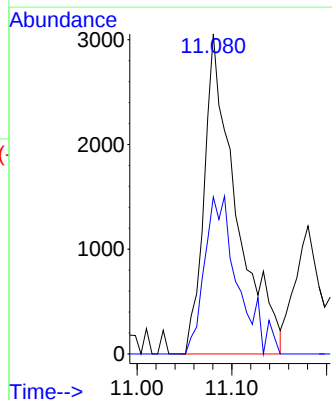
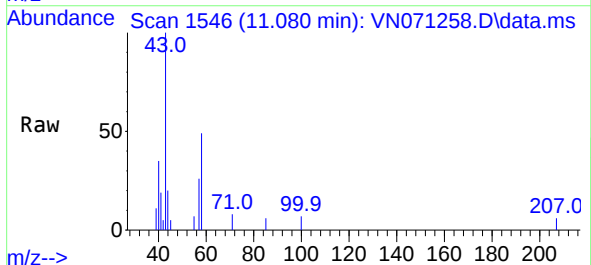
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

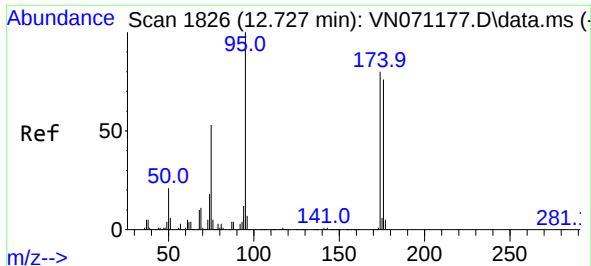
Tgt Ion: 43 Resp: 3818
Ion Ratio Lower Upper
43 100
58 26.4 30.4 45.6#



#59
2-Hexanone
Concen: 0.686 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. 0.000 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Tgt Ion: 43 Resp: 7157
Ion Ratio Lower Upper
43 100
58 51.2 26.9 80.7

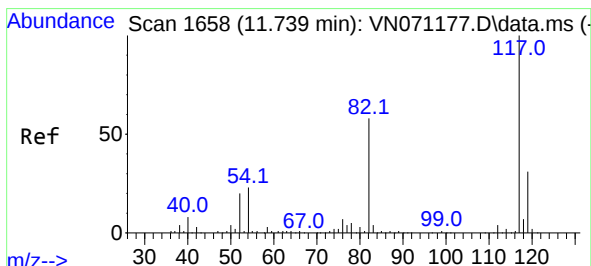
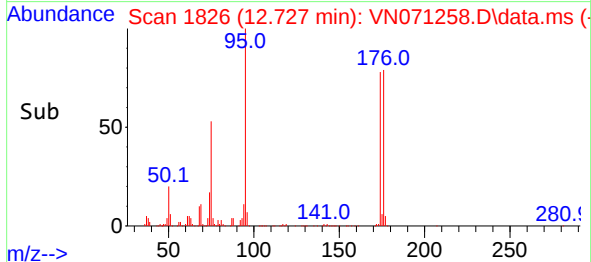
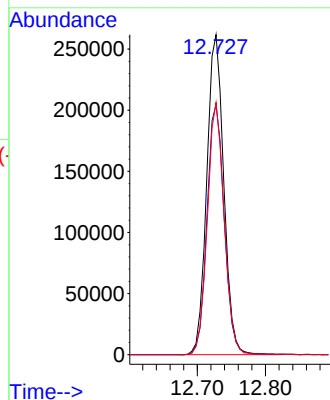
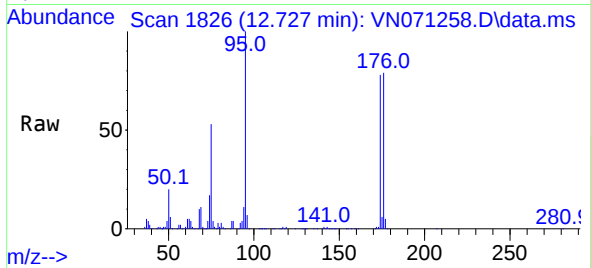




#62
4-Bromofluorobenzene
Concen: 44.572 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

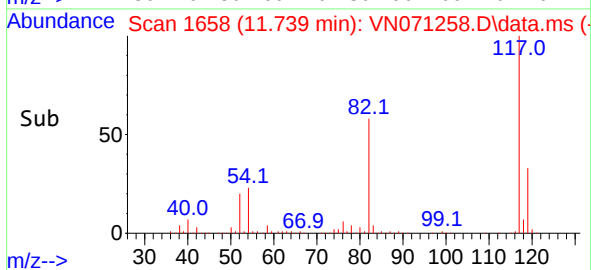
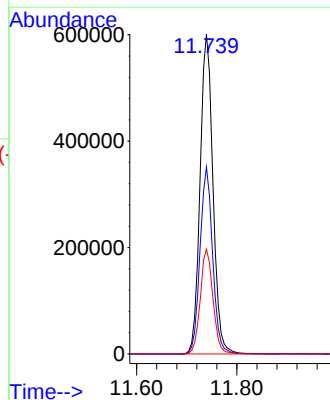
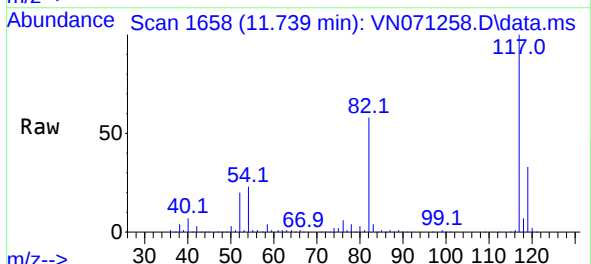
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

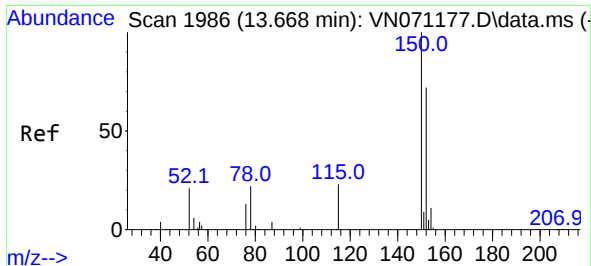
Tgt Ion: 95 Resp: 454194
Ion Ratio Lower Upper
95 100
174 79.4 0.0 187.2
176 77.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Tgt Ion: 117 Resp: 1070236
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 32.8 25.4 38.2

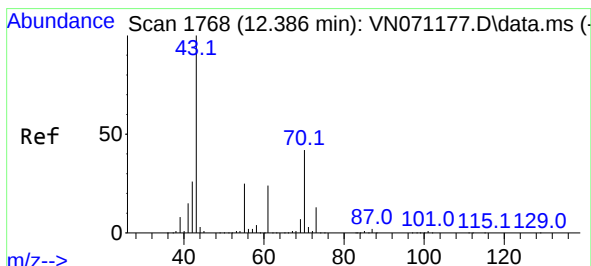
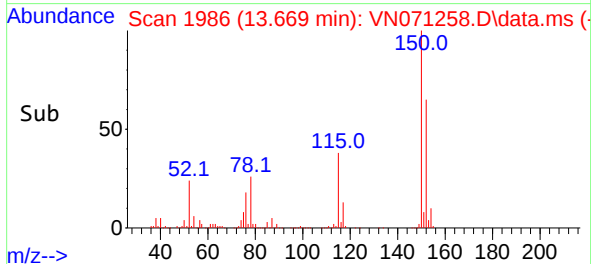
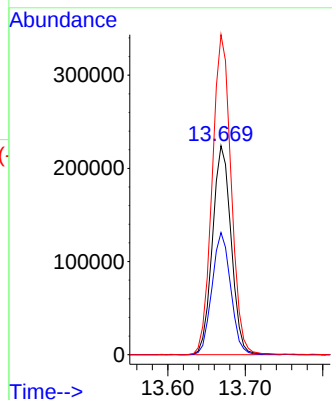
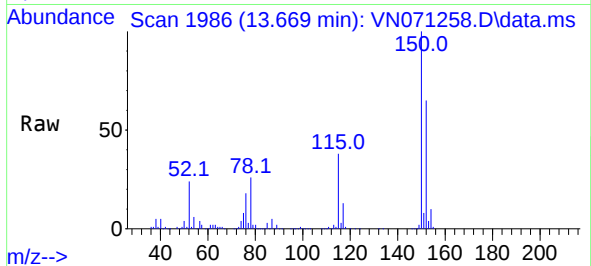




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

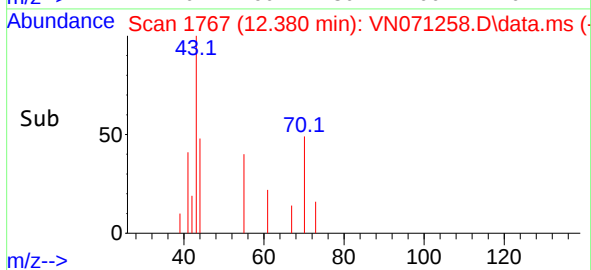
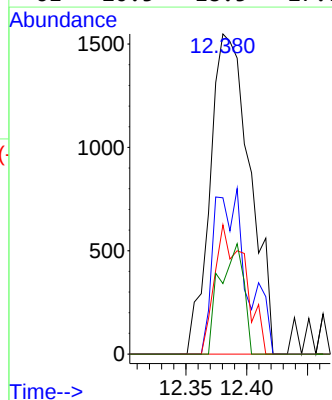
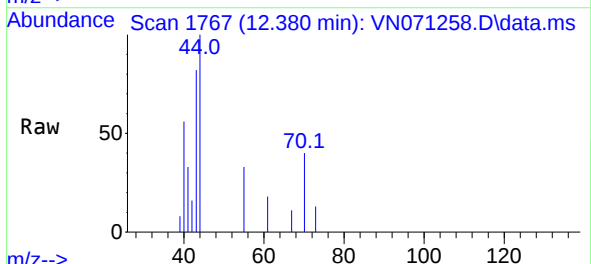
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

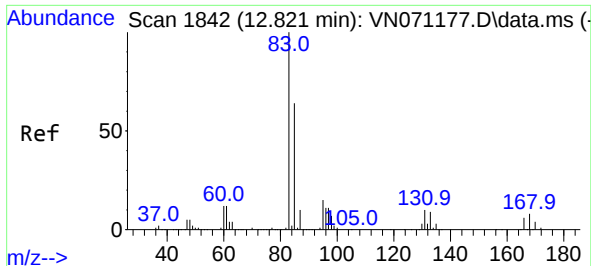
Tgt Ion:152 Resp: 376232
Ion Ratio Lower Upper
152 100
115 58.4 27.5 82.5
150 154.9 0.0 344.4



#74
N-ethyl acetate
Concen: 0.258 ug/l
RT: 12.380 min Scan# 1767
Delta R.T. -0.006 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Tgt Ion: 43 Resp: 3520
Ion Ratio Lower Upper
43 100
70 42.9 33.4 50.0
55 30.5 19.3 28.9#
61 20.5 18.5 27.7

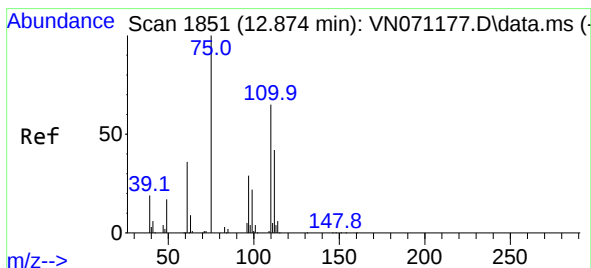
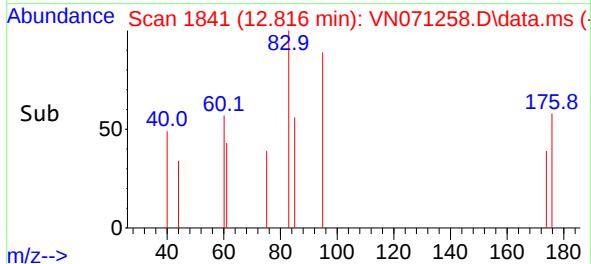
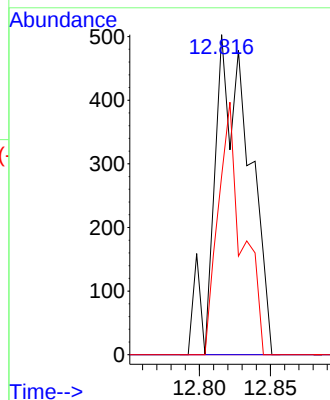
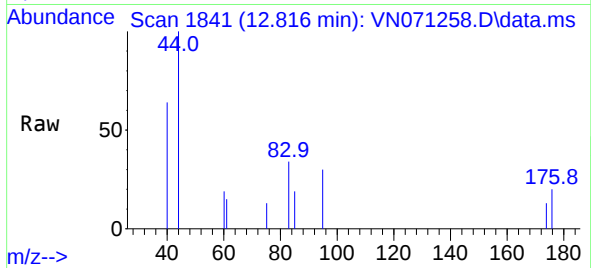




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.816 min Scan# 1841
Delta R.T. -0.005 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

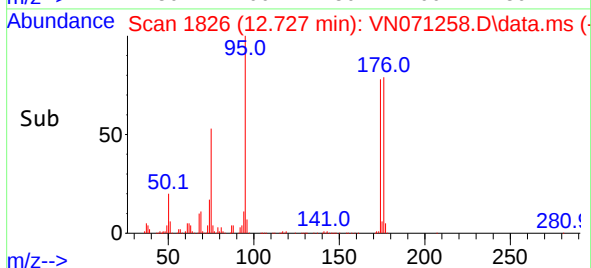
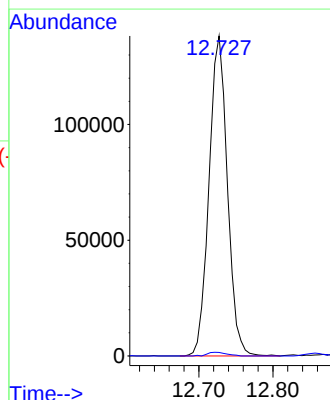
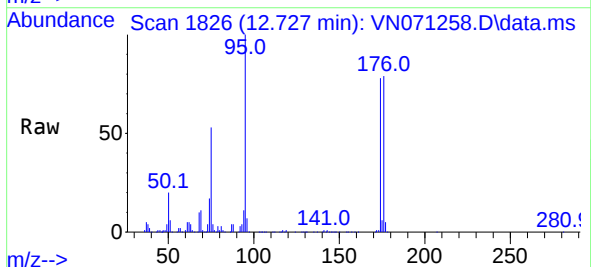
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

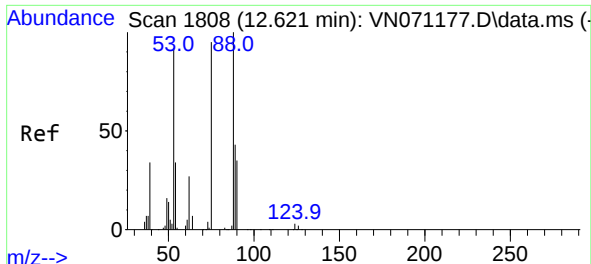
Tgt Ion: 83 Resp: 869
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 54.0 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 24.656 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Tgt Ion: 75 Resp: 237873
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

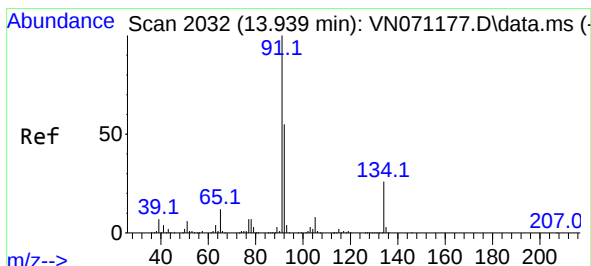
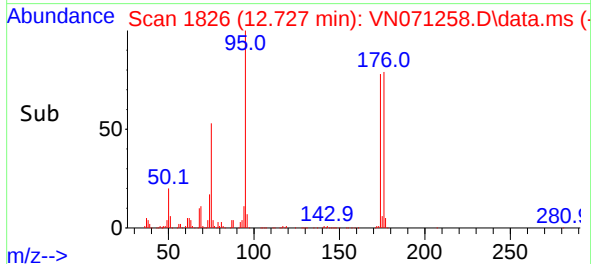
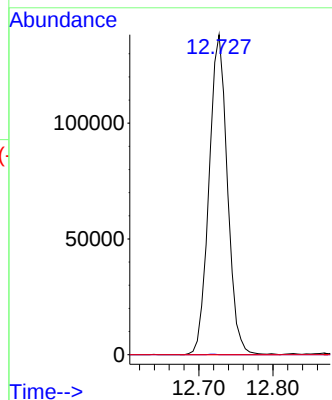
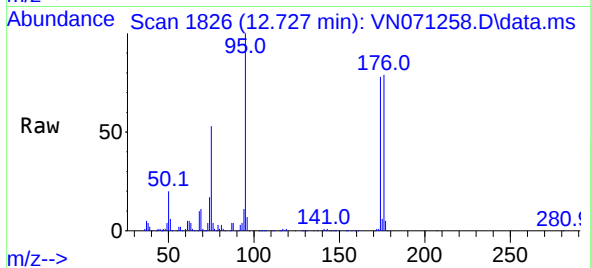




#81
trans-1,4-Dichloro-2-butene
Concen: 68.346 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

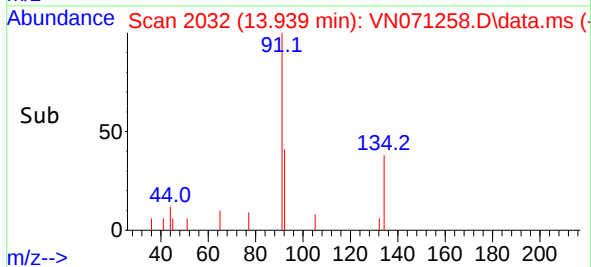
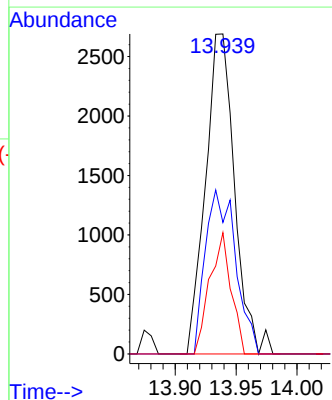
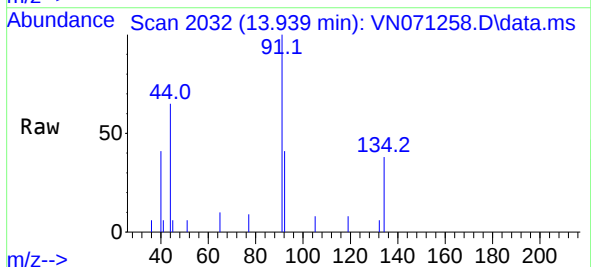
Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

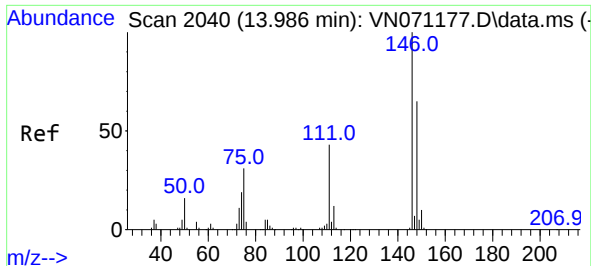
Tgt Ion: 75 Resp: 237873
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#89
n-Butylbenzene
Concen: 0.218 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Tgt Ion: 91 Resp: 4479
Ion Ratio Lower Upper
91 100
92 53.2 25.4 76.0
134 27.6 13.6 40.8





#91

1,2-Dichlorobenzene

Concen: 0.212 ug/l

RT: 13.986 min Scan# 2040

Delta R.T. 0.000 min

Lab File: VN071258.D

Acq: 14 Mar 2022 11:04

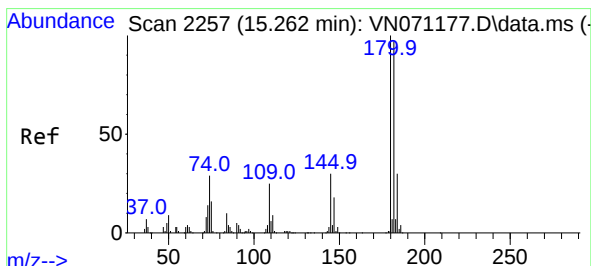
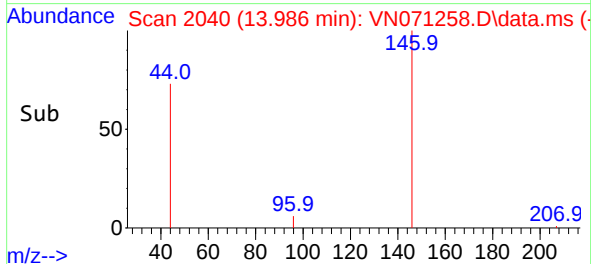
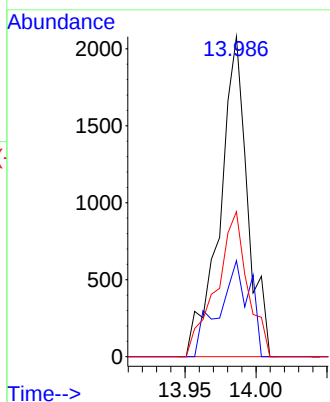
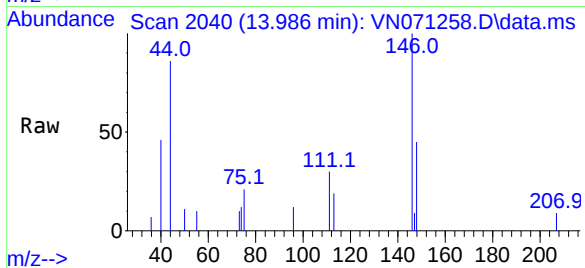
Instrument :

MSVOA_N

ClientSampleId :

VN0314MBL01

Tgt Ion:146	Resp:	2806
Ion Ratio	Lower	Upper
146	100	
111	34.1	19.1 57.3
148	51.4	32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 3.502 ug/l

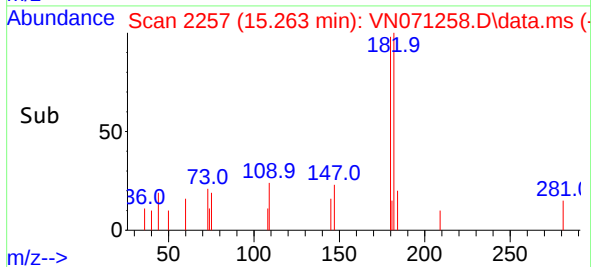
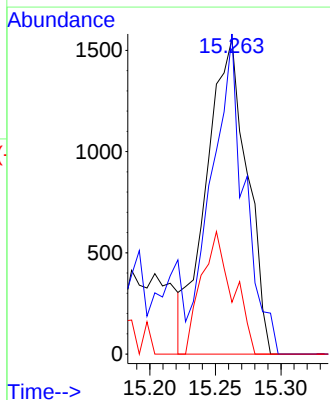
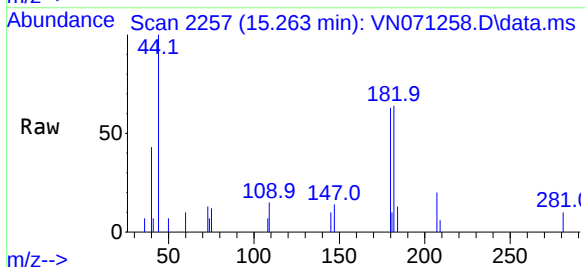
RT: 15.263 min Scan# 2257

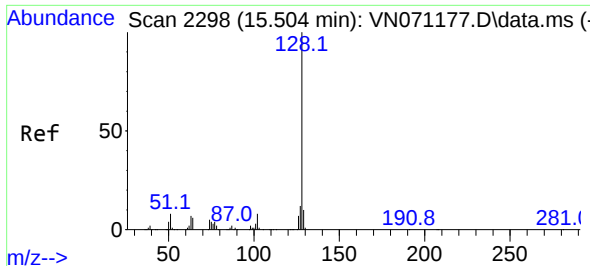
Delta R.T. 0.001 min

Lab File: VN071258.D

Acq: 14 Mar 2022 11:04

Tgt Ion:180	Resp:	3364
Ion Ratio	Lower	Upper
180	100	
182	81.9	48.3 144.9
145	30.0	14.5 43.5

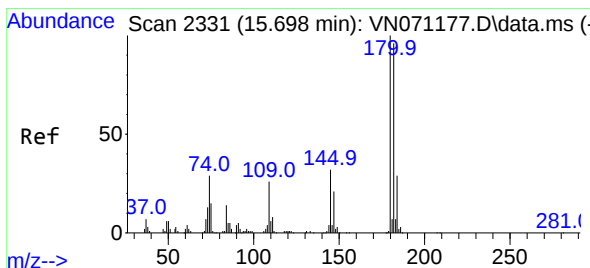
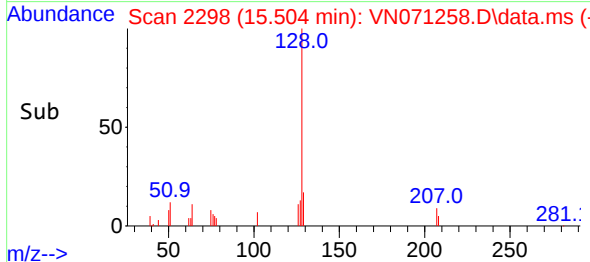
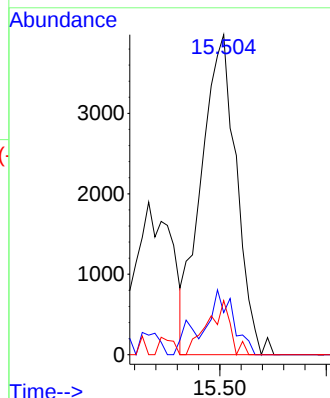
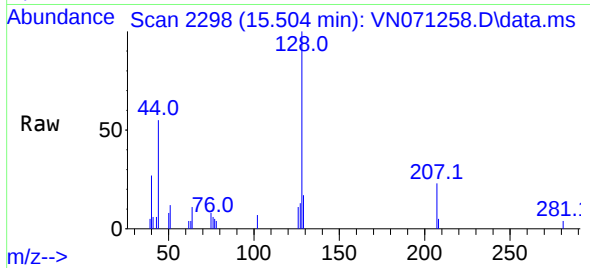




#95
Naphthalene
Concen: 5.544 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0314MBL01

Tgt Ion:	128	Resp:	9145
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.1	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.313 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071258.D
Acq: 14 Mar 2022 11:04

Tgt Ion:	180	Resp:	3629
Ion	Ratio	Lower	Upper
180	100		
182	88.2	47.4	142.2
145	31.3	15.0	45.1

