

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040422\
 Data File : VN071843.D
 Acq On : 04 Apr 2022 19:53
 Operator : JC\MD
 Sample : N2219-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Quant Time: Apr 05 01:21:08 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)

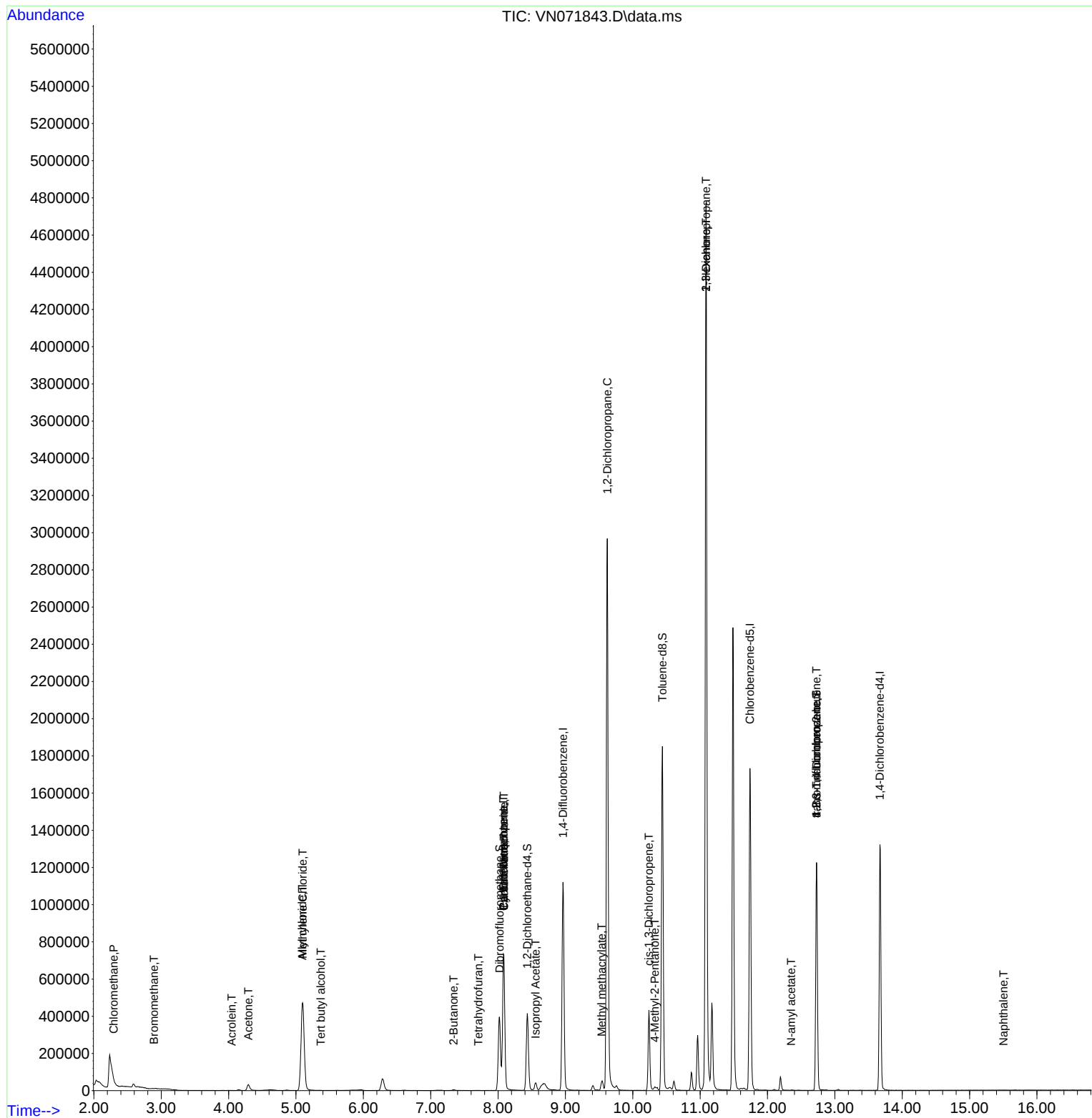
Internal Standards						
1) Pentafluorobenzene	8.081	168	612123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1047839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1087478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	393403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	341384	48.852	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.700%
35) Dibromofluoromethane	8.022	113	301053	48.825	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.660%
50) Toluene-d8	10.439	98	1345406	53.340	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.680%
62) 4-Bromofluorobenzene	12.727	95	455466	55.833	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	111.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	2654	0.430	ug/l #	43
5) Bromomethane	2.893	94	883	0.201	ug/l	84
11) Tert butyl alcohol	5.369	59	1912	1.686	ug/l #	72
13) Acrolein	4.046	56	630	0.456	ug/l #	44
14) Allyl chloride	5.093	41	11645	1.420	ug/l #	24
16) Acetone	4.293	43	58038	19.434	ug/l	99
18) Methyl Acetate	4.875	43	5279	Below Cal	#	69
20) Methylene Chloride	5.099	84	420317	66.773	ug/l	99
25) 2-Butanone	7.340	43	8458	1.965	ug/l	95
29) Tetrahydrofuran	7.710	42	776	0.278	ug/l #	44
31) Cyclohexane	8.087	56	10123	1.065	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	42972	4.991	ug/l #	48
38) Carbon Tetrachloride	8.087	117	54381	6.444	ug/l #	17
43) Isopropyl Acetate	8.557	43	45271	2.888	ug/l	95
45) 1,2-Dichloropropane	9.622	63	4557	0.671	ug/l #	44
48) Methyl methacrylate	9.539	41	13452	2.068	ug/l #	10
49) 1,4-Dioxane	9.616	88	504	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	10853	1.204	ug/l	94
54) cis-1,3-Dichloropropene	10.239	75	86485	8.223	ug/l #	62
57) 1,3-Dichloropropane	11.086	76	55458	4.687	ug/l #	42
59) 2-Hexanone	11.086	43	690514	108.821	ug/l #	48
74) N-amyl acetate	12.351	43	2152	0.227	ug/l #	39
76) 1,2,3-Trichloropropane	12.727	75	218726	24.000	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	218726	74.376	ug/l #	10
95) Naphthalene	15.504	128	232	3.815	ug/l #	69

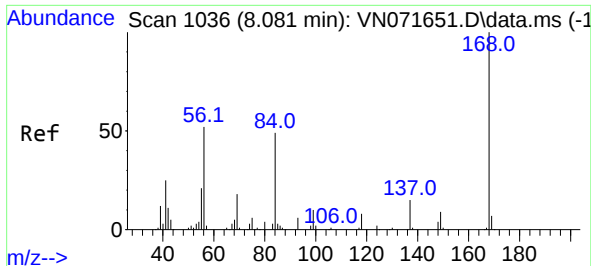
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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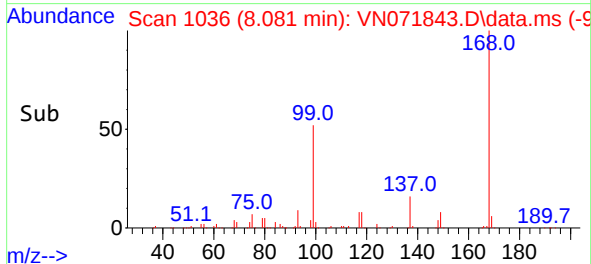
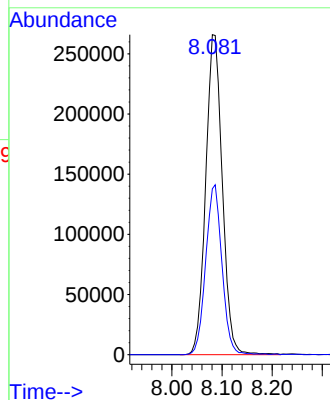
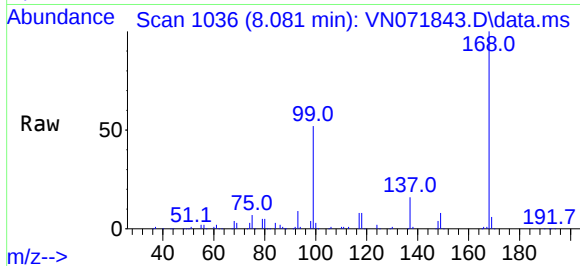




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

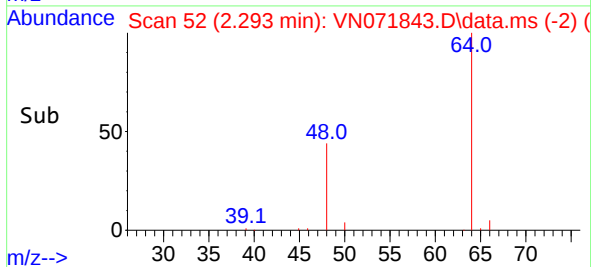
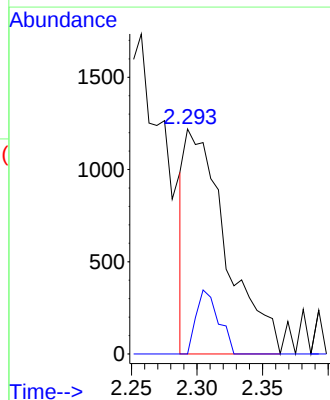
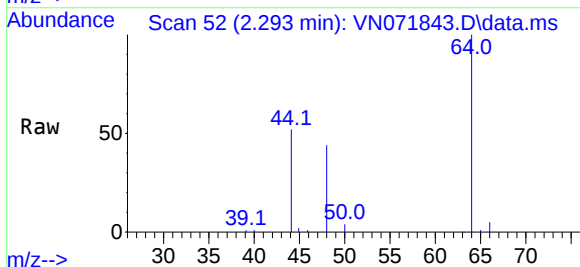
Instrument :
MSVOA_N
ClientSampleId :
TP-3

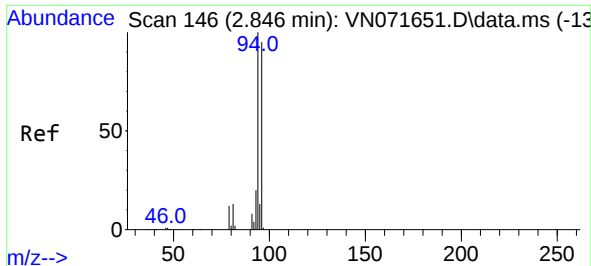
Tgt Ion:168 Resp: 612123
Ion Ratio Lower Upper
168 100
99 51.8 42.3 63.5



#3
Chloromethane
Concen: 0.430 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Tgt Ion: 50 Resp: 2654
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

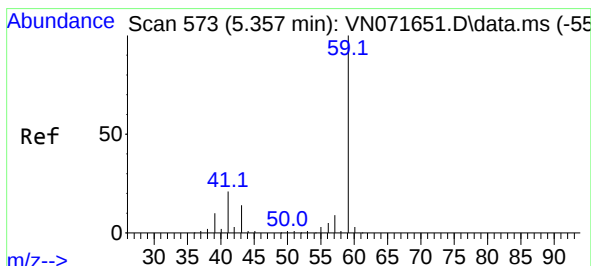
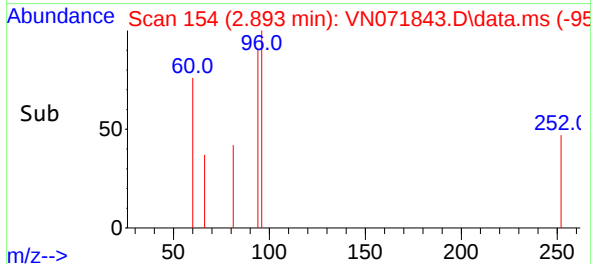
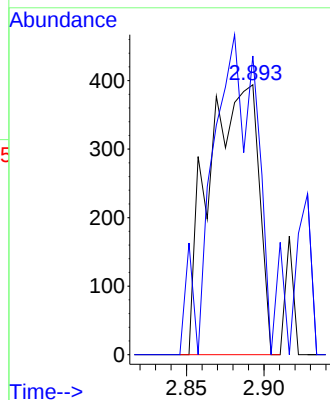
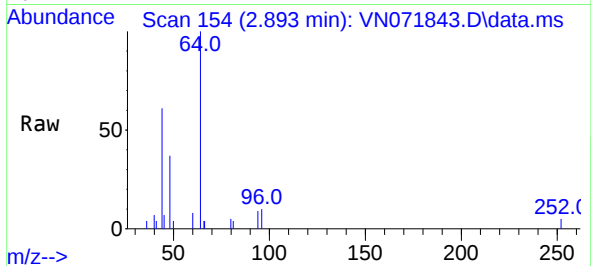




#5
Bromomethane
Concen: 0.201 ug/l
RT: 2.893 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

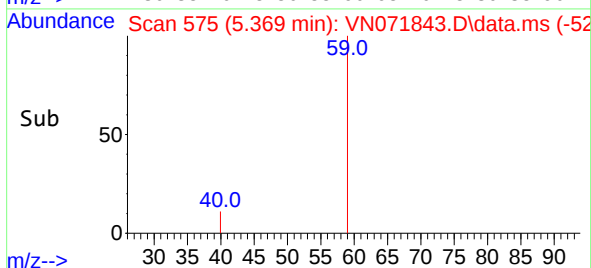
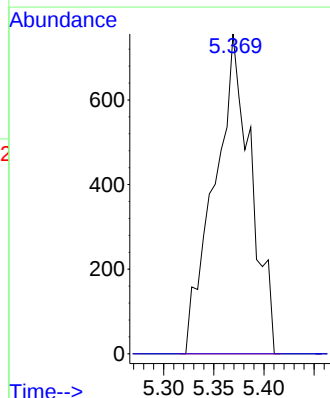
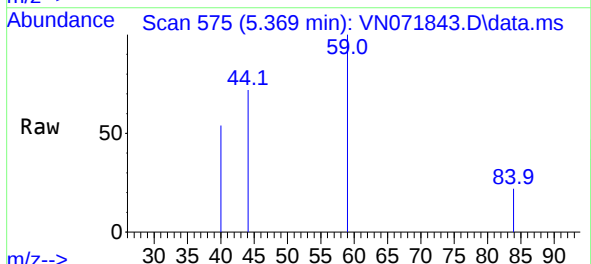
Instrument :
MSVOA_N
ClientSampleId :
TP-3

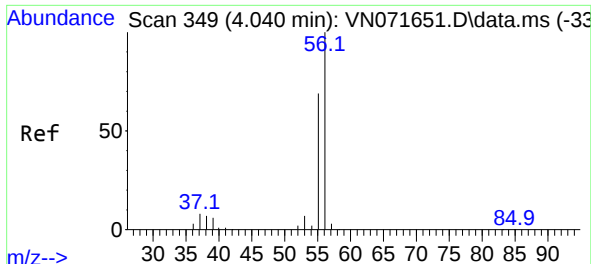
Tgt Ion: 94 Resp: 883
Ion Ratio Lower Upper
94 100
96 110.7 76.0 114.0



#11
Tert butyl alcohol
Concen: 1.686 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.012 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Tgt Ion: 59 Resp: 1912
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.456 ug/l

RT: 4.046 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN071843.D

Acq: 04 Apr 2022 19:53

Instrument :

MSVOA_N

ClientSampleId :

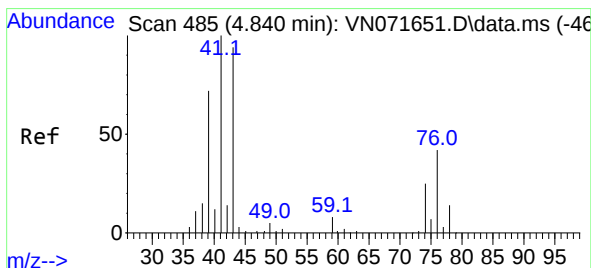
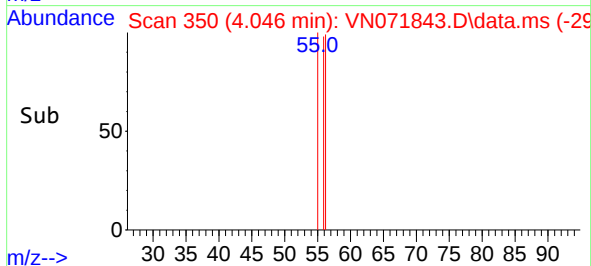
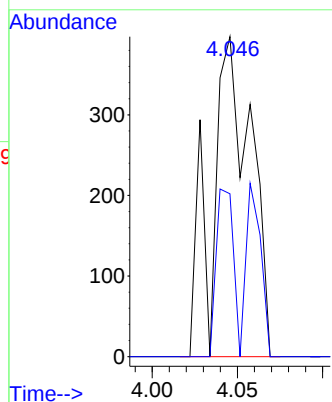
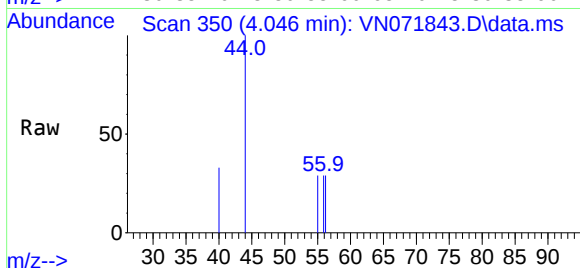
TP-3

Tgt Ion: 56 Resp: 630

Ion Ratio Lower Upper

56 100

55 23.0 54.8 82.2#



#14

Allyl chloride

Concen: 1.420 ug/l

RT: 5.093 min Scan# 528

Delta R.T. 0.253 min

Lab File: VN071843.D

Acq: 04 Apr 2022 19:53

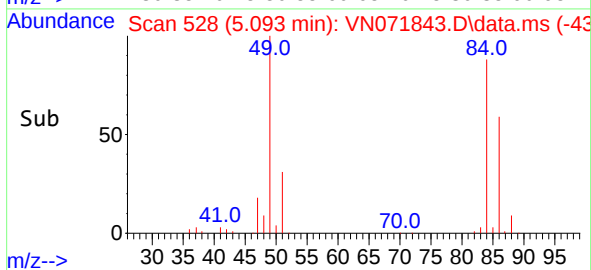
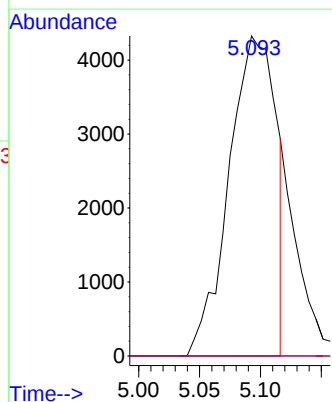
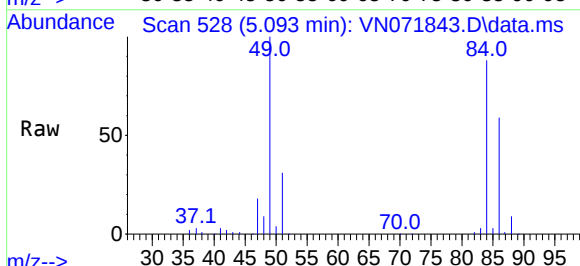
Tgt Ion: 41 Resp: 11645

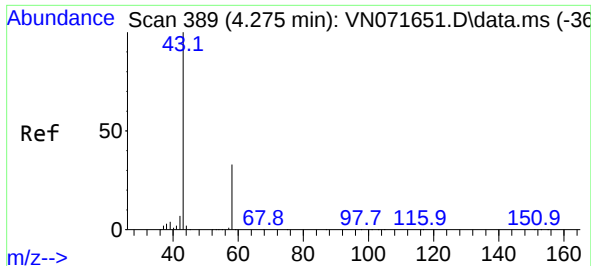
Ion Ratio Lower Upper

41 100

39 0.0 53.2 79.8#

76 0.0 29.9 44.9#

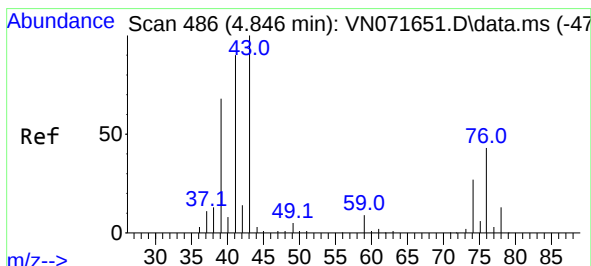
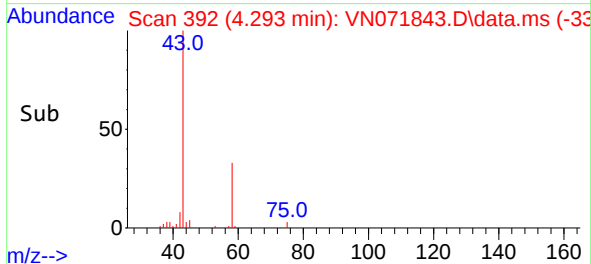
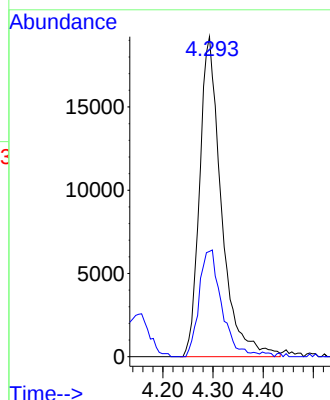
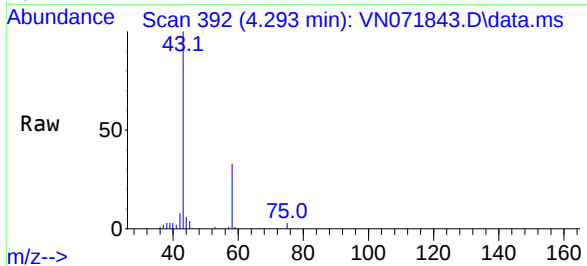




#16
Acetone
Concen: 19.434 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

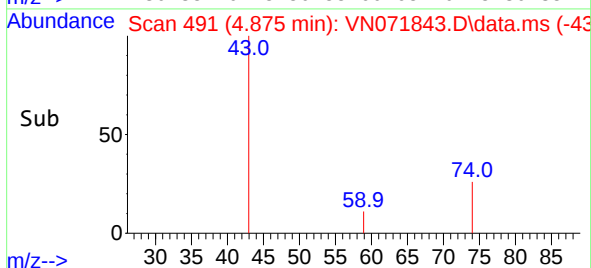
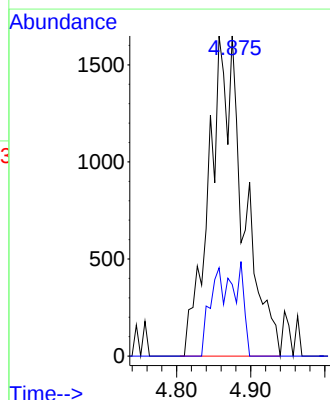
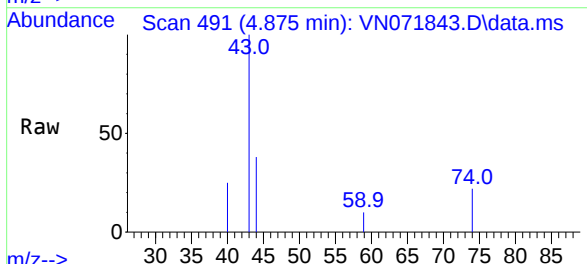
Instrument :
MSVOA_N
ClientSampleId :
TP-3

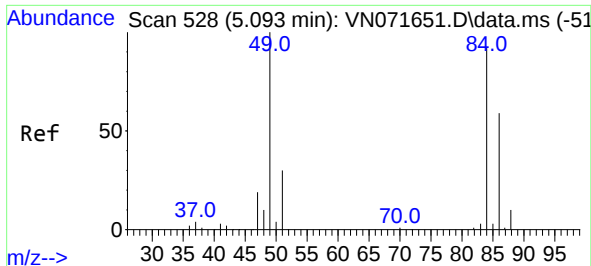
Tgt Ion: 43 Resp: 58038
Ion Ratio Lower Upper
43 100
58 32.9 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.875 min Scan# 491
Delta R.T. 0.029 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Tgt Ion: 43 Resp: 5279
Ion Ratio Lower Upper
43 100
74 10.8 21.6 32.4#



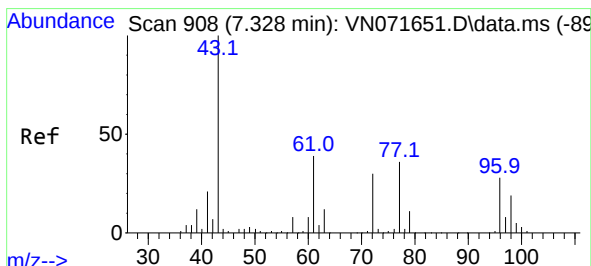
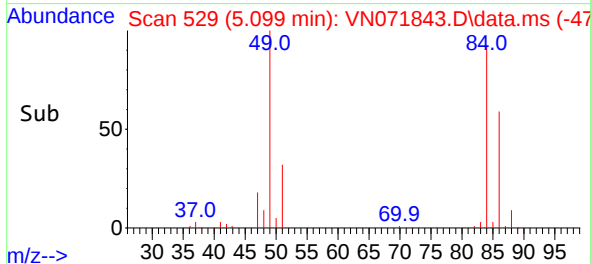
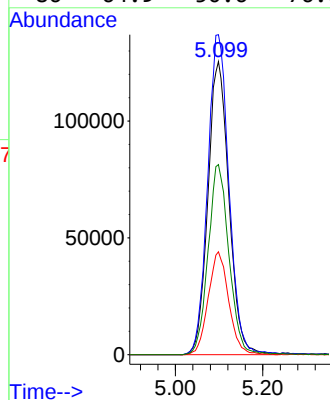
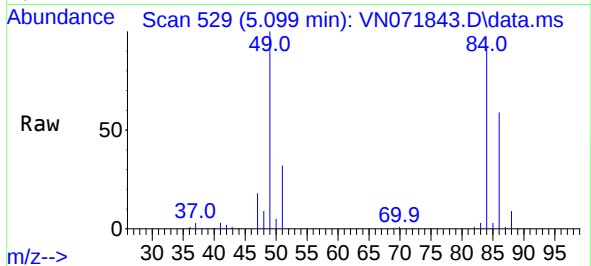


#20
Methylene Chloride
Concen: 66.773 ug/l
RT: 5.099 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Instrument :
MSVOA_N
ClientSampleId :
TP-3

Tgt Ion: 84 Resp: 420317

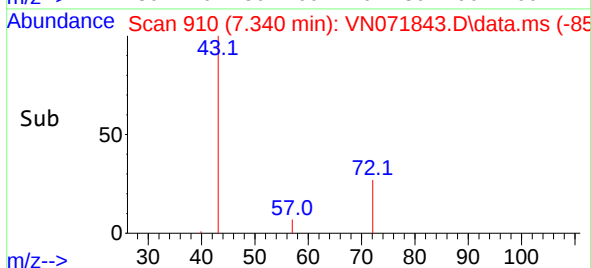
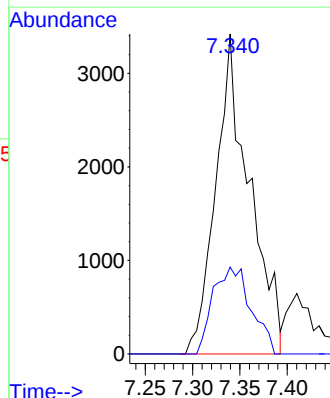
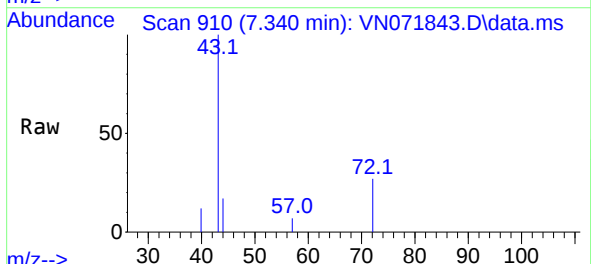
Ion	Ratio	Lower	Upper
84	100		
49	109.2	88.3	132.5
51	35.1	28.2	42.2
86	64.9	50.6	76.0

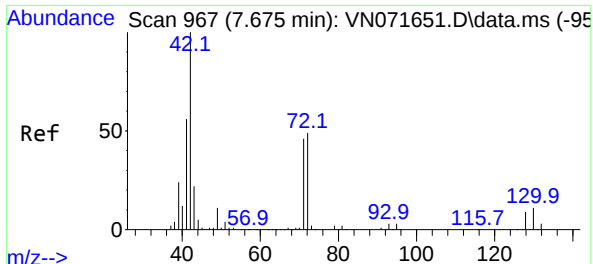


#25
2-Butanone
Concen: 1.965 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Tgt Ion: 43 Resp: 8458

Ion	Ratio	Lower	Upper
43	100		
72	27.2	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.278 ug/l

RT: 7.710 min Scan# 91

Delta R.T. 0.035 min

Lab File: VN071843.D

Acq: 04 Apr 2022 19:53

Instrument :

MSVOA_N

ClientSampleId :

TP-3

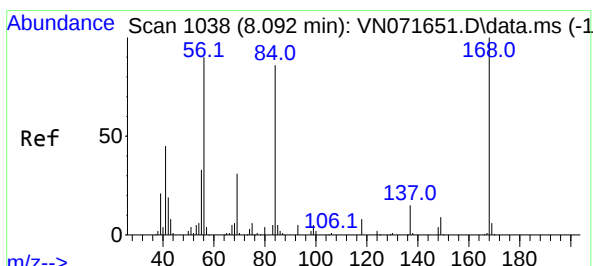
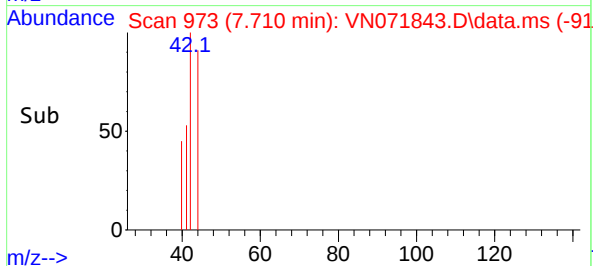
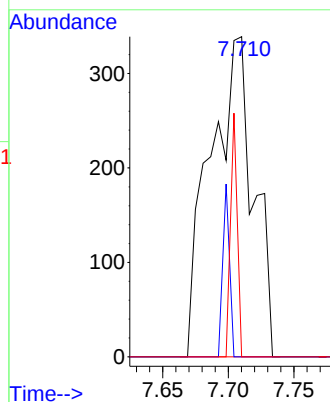
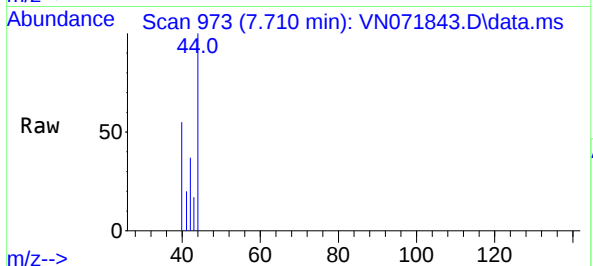
Tgt Ion: 42 Resp: 776

Ion Ratio Lower Upper

42 100

72 8.4 39.7 59.5#

71 11.7 36.6 55.0#



#31

Cyclohexane

Concen: 1.065 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.005 min

Lab File: VN071843.D

Acq: 04 Apr 2022 19:53

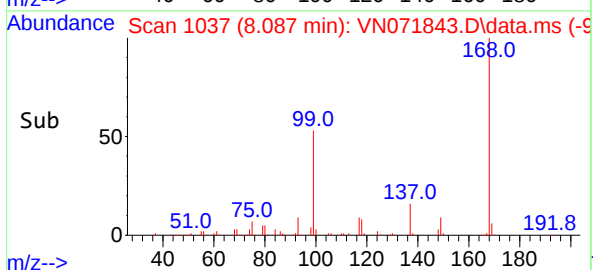
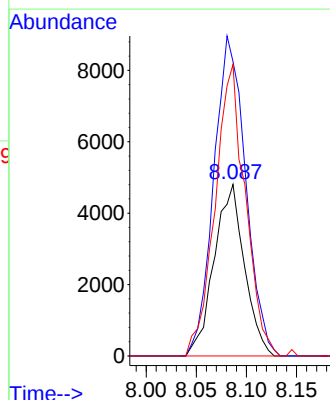
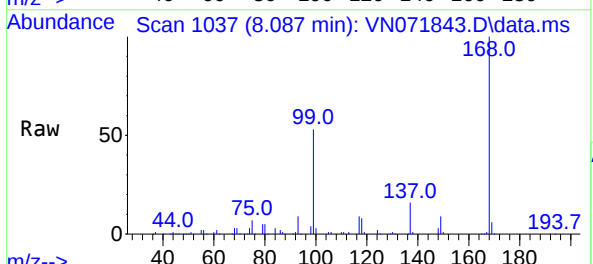
Tgt Ion: 56 Resp: 10123

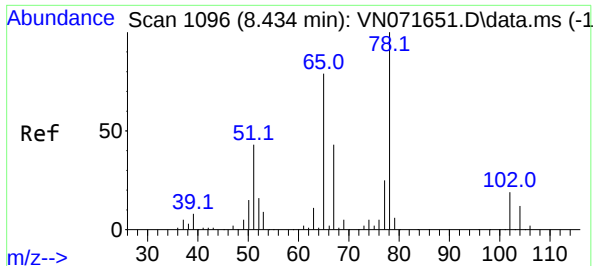
Ion Ratio Lower Upper

56 100

69 171.6 27.8 41.8#

84 169.9 76.9 115.3#

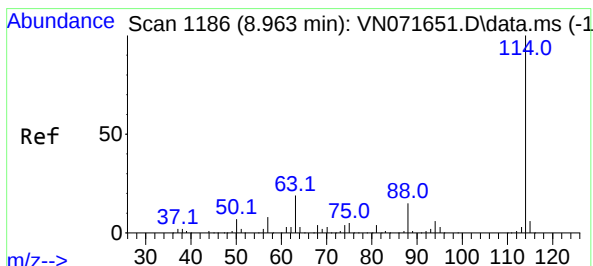
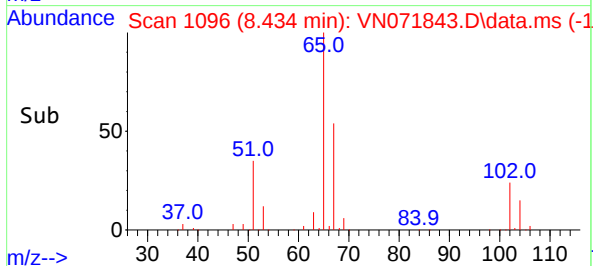
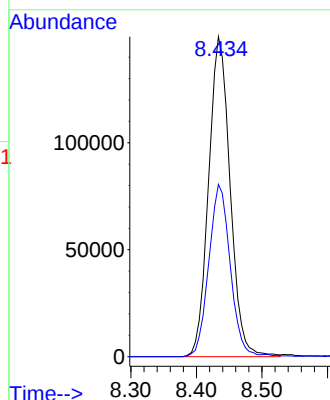
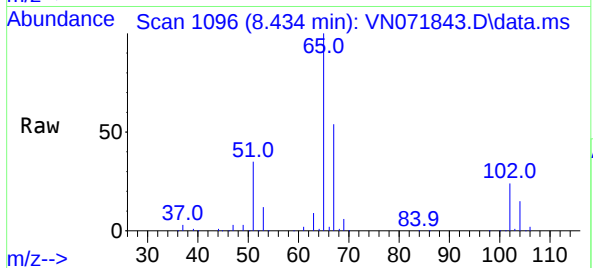




#33
1,2-Dichloroethane-d4
Concen: 48.852 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

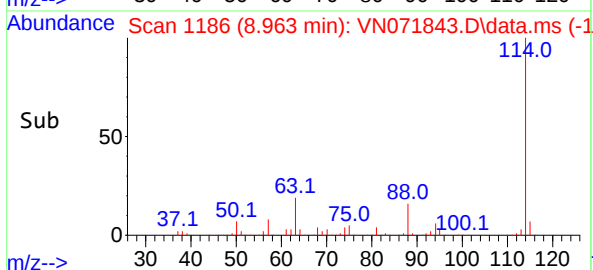
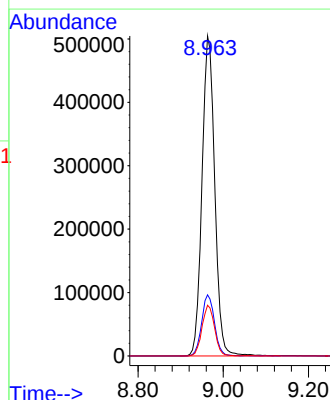
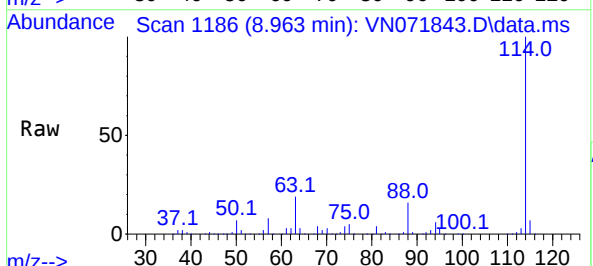
Instrument :
MSVOA_N
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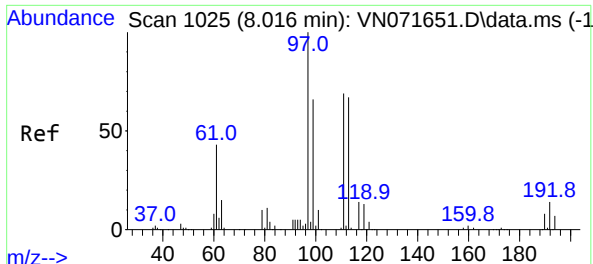
Tgt Ion: 65 Resp: 341384
Ion Ratio Lower Upper
65 100
67 53.9 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Tgt Ion: 114 Resp: 1047839
Ion Ratio Lower Upper
114 100
63 19.1 0.0 40.0
88 15.8 0.0 32.6

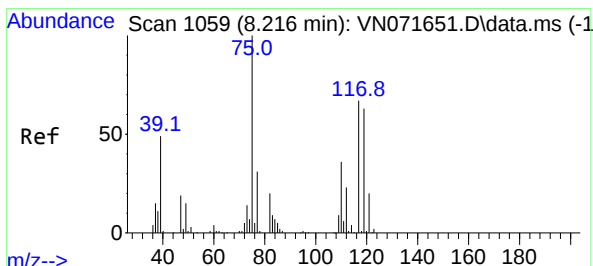
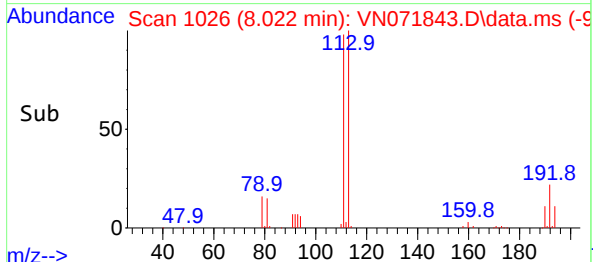
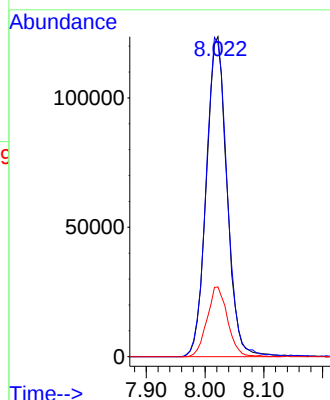
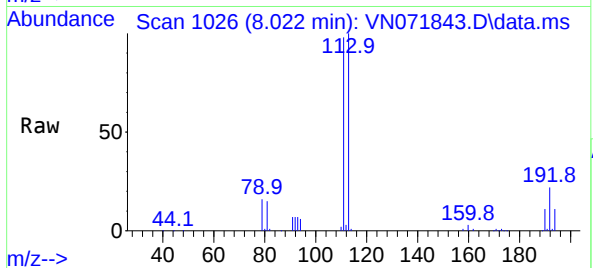




#35
Dibromofluoromethane
Concen: 48.825 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

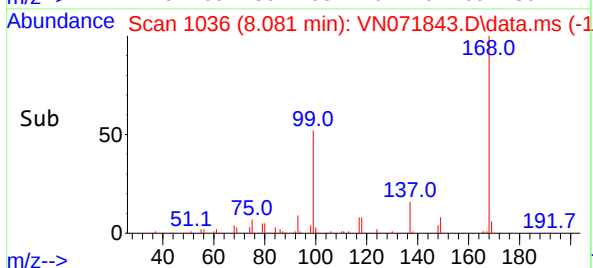
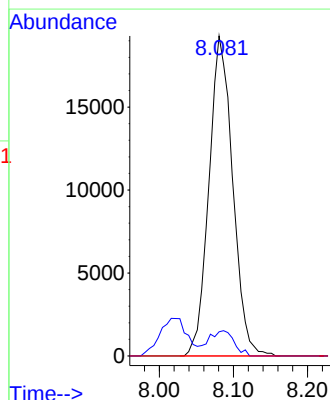
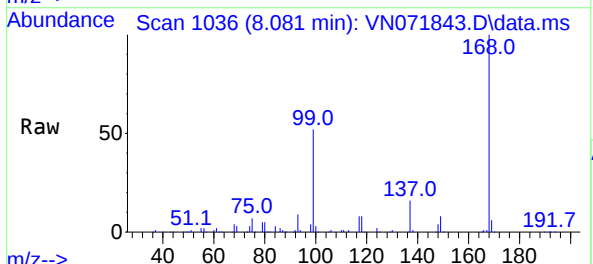
Instrument :
MSVOA_N
ClientSampleId :
TP-3

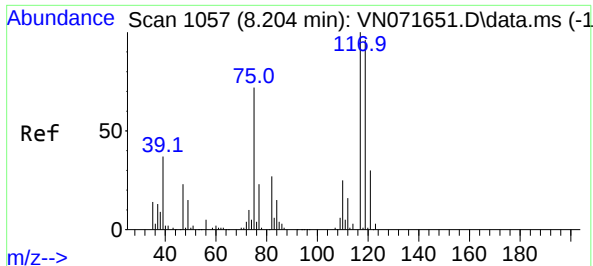
Tgt Ion: 113 Resp: 301053
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.0
192 21.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.991 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Tgt Ion: 75 Resp: 42972
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.0 25.1 37.7#

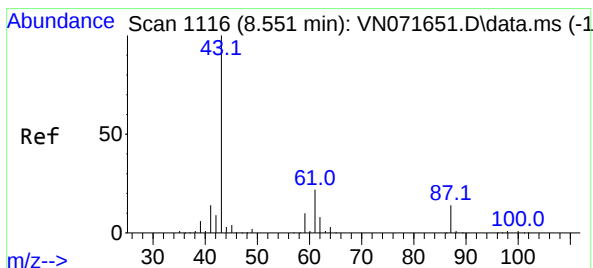
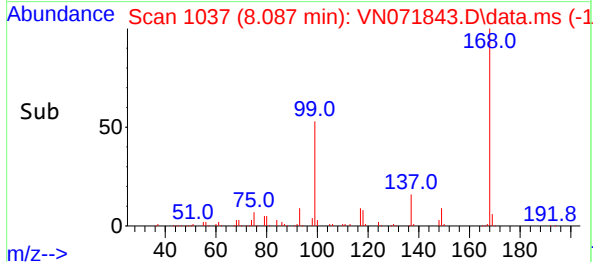
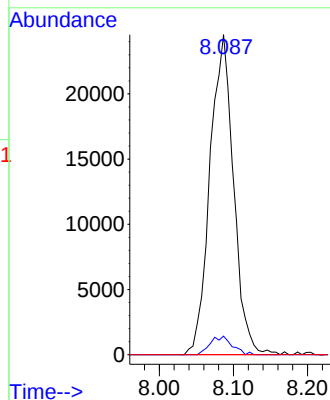
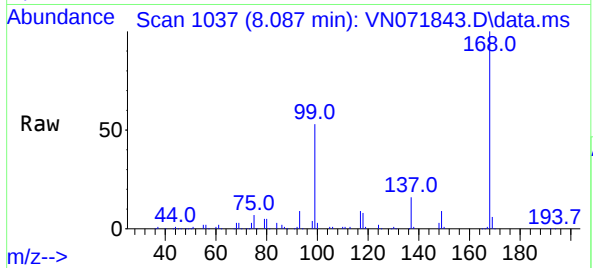




#38
Carbon Tetrachloride
Concen: 6.444 ug/l
RT: 8.087 min Scan# 1107
Delta R.T. -0.117 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

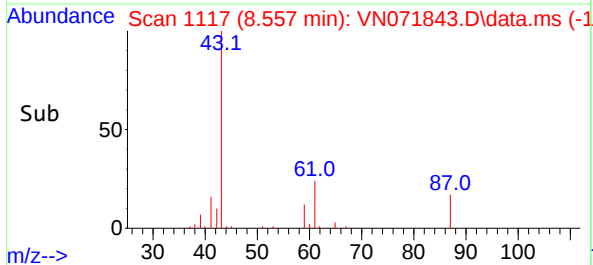
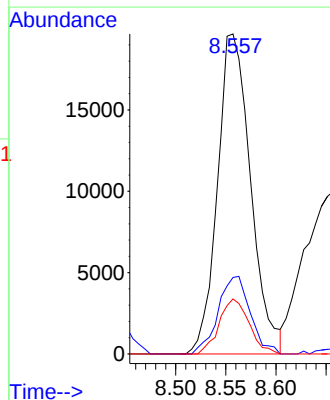
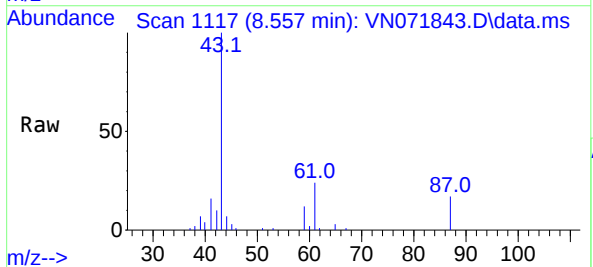
Instrument :
MSVOA_N
ClientSampleId :
TP-3

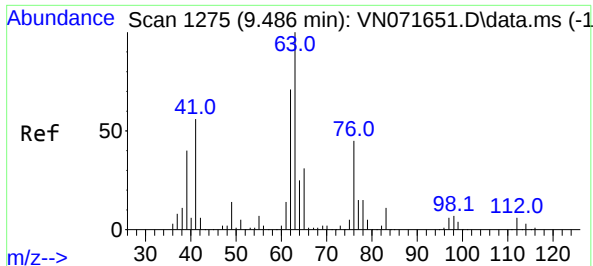
Tgt Ion:117 Resp: 54381
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 2.888 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Tgt Ion: 43 Resp: 45271
Ion Ratio Lower Upper
43 100
61 23.5 21.9 32.9
87 15.5 12.0 18.0

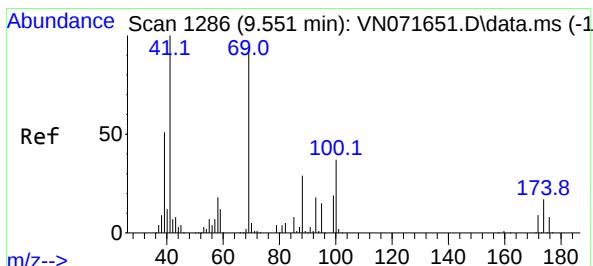
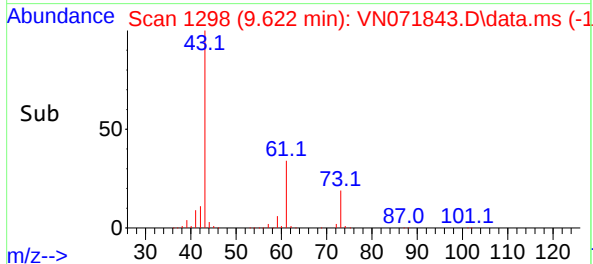
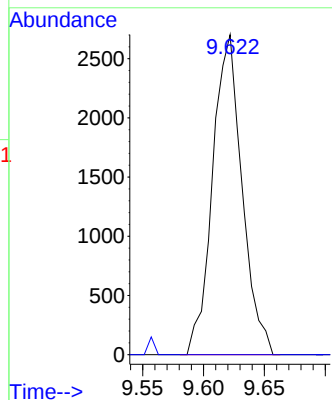
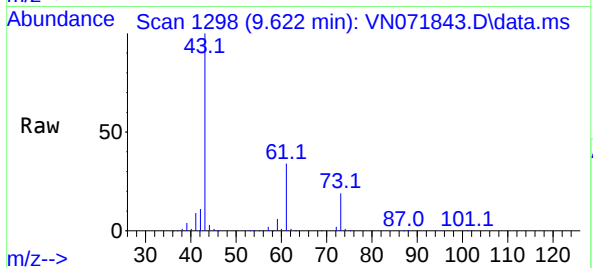




#45
1,2-Dichloropropane
Concen: 0.671 ug/l
RT: 9.622 min Scan# 11
Delta R.T. 0.136 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

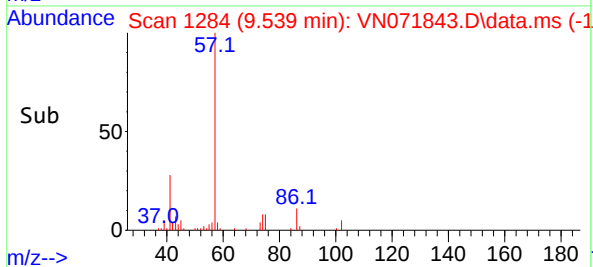
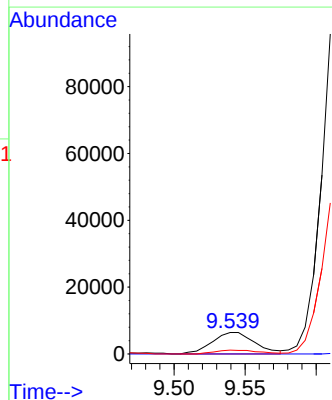
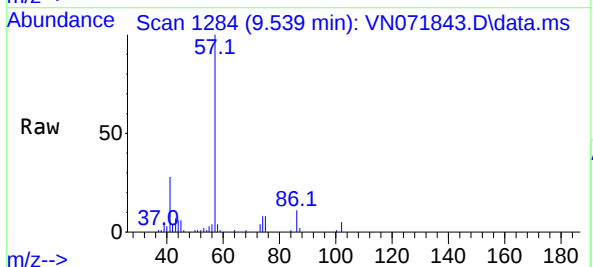
Instrument :
MSVOA_N
ClientSampleId :
TP-3

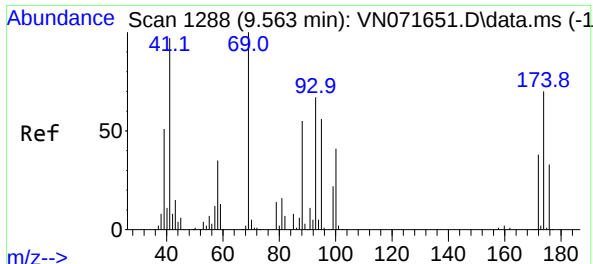
Tgt Ion: 63 Resp: 4557
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 2.068 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Tgt Ion: 41 Resp: 13452
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#

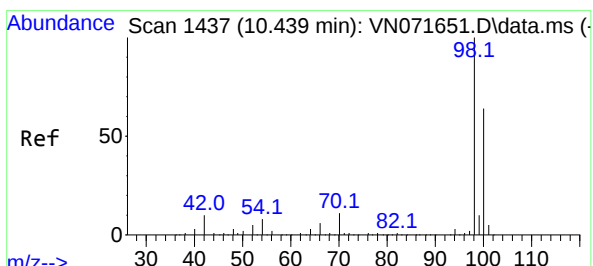
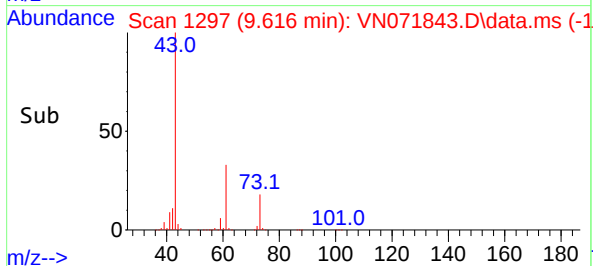
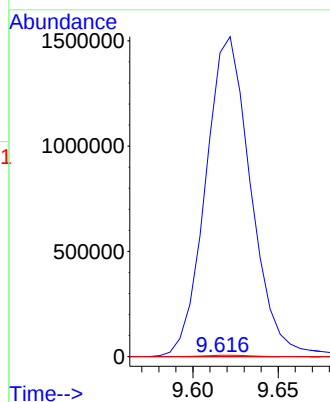
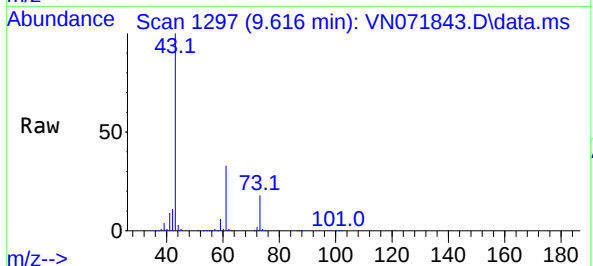




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

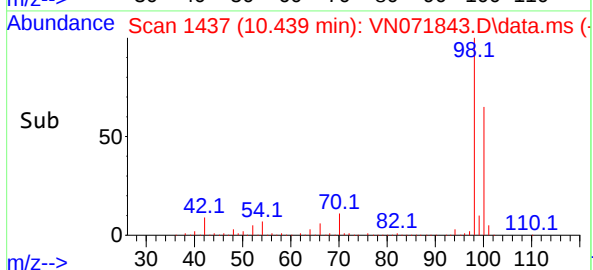
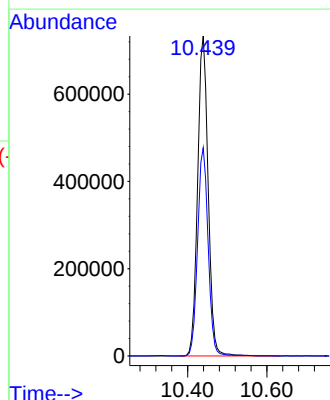
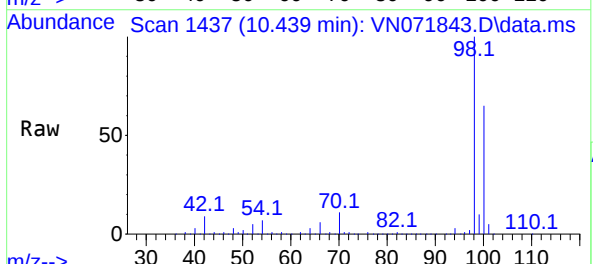
Instrument :
MSVOA_N
ClientSampleId :
TP-3

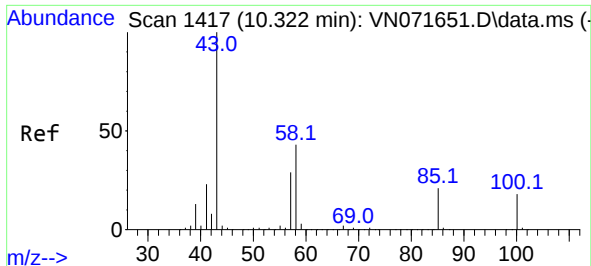
Tgt Ion: 88 Resp: 504
Ion Ratio Lower Upper
88 100
43 565729.2 20.2 30.4#
58 2833.9 54.2 81.4#



#50
Toluene-d8
Concen: 53.340 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Tgt Ion: 98 Resp: 1345406
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

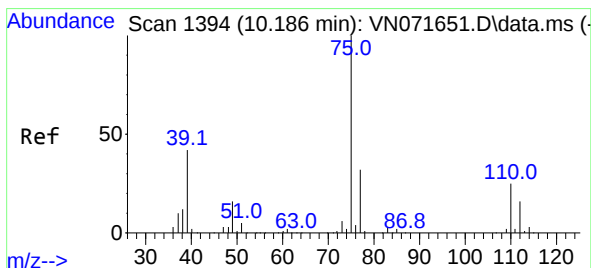
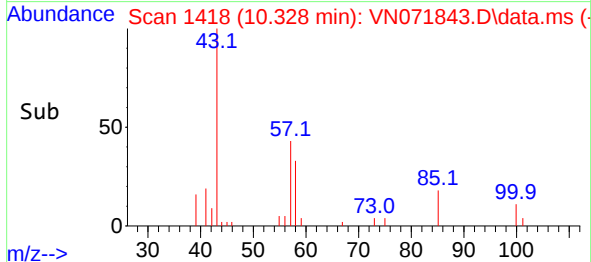
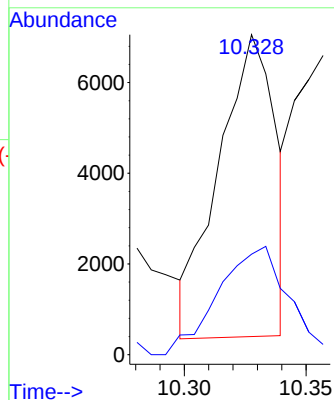
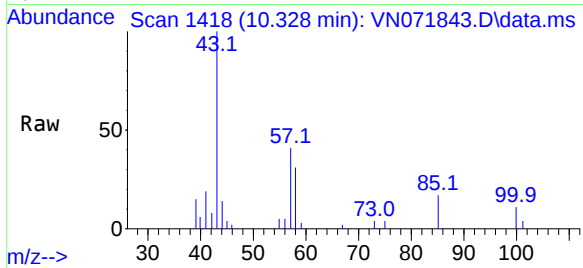




#51
4-Methyl-2-Pentanone
Concen: 1.204 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

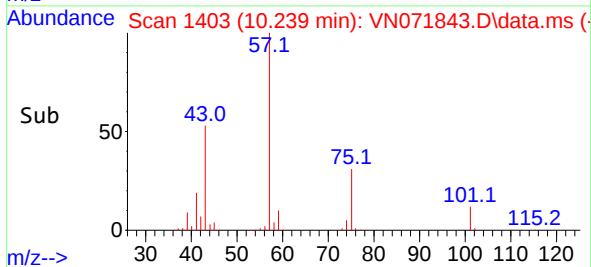
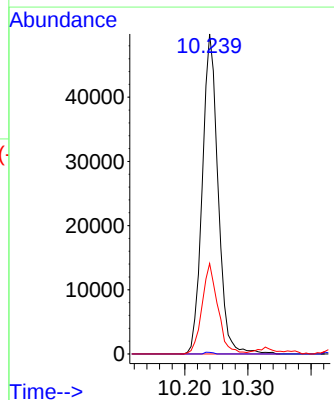
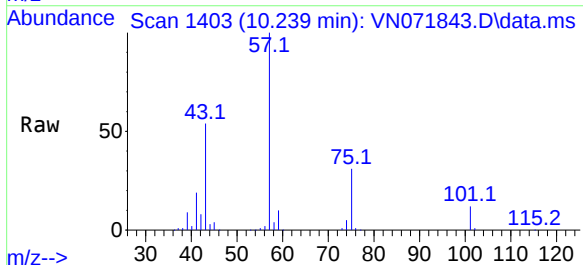
Instrument :
MSVOA_N
ClientSampleId :
TP-3

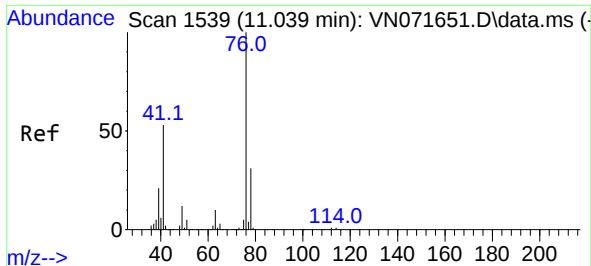
Tgt Ion: 43 Resp: 10853
Ion Ratio Lower Upper
43 100
58 46.4 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 8.223 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Tgt Ion: 75 Resp: 86485
Ion Ratio Lower Upper
75 100
77 0.5 25.2 37.8#
39 28.2 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.687 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071843.D

Acq: 04 Apr 2022 19:53

Instrument :

MSVOA_N

ClientSampleId :

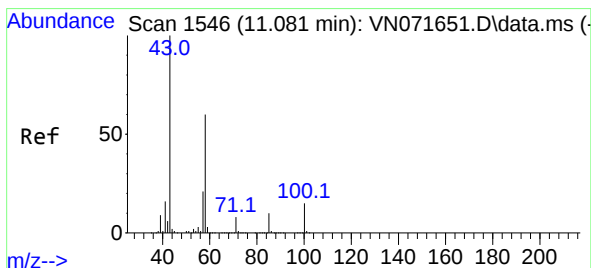
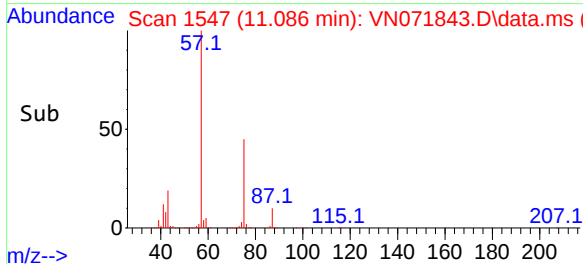
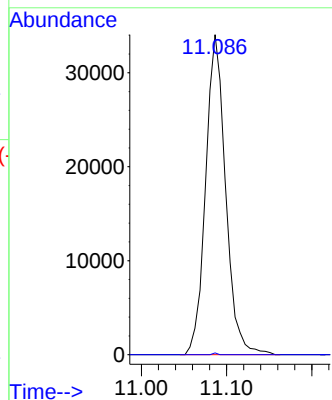
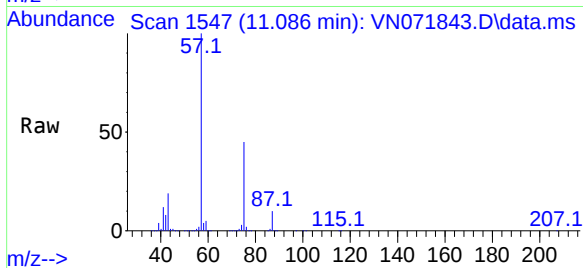
TP-3

Tgt Ion: 76 Resp: 55458

Ion Ratio Lower Upper

76 100

78 0.1 26.2 39.2#



#59

2-Hexanone

Concen: 108.821 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN071843.D

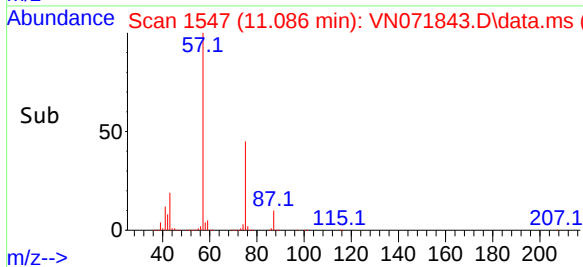
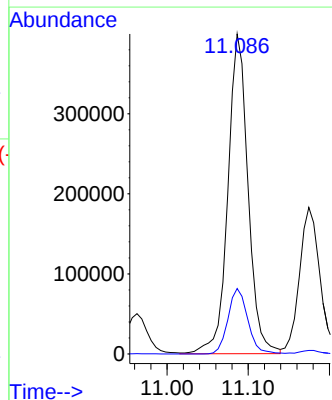
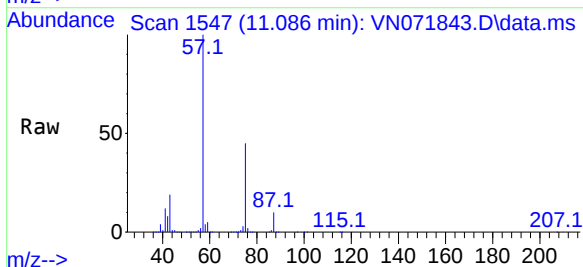
Acq: 04 Apr 2022 19:53

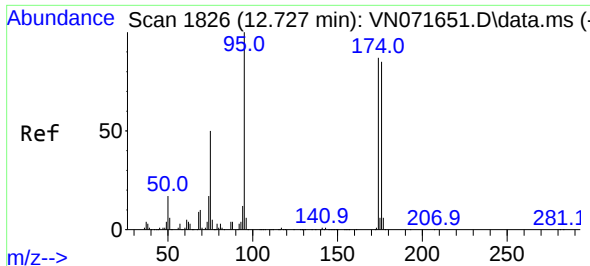
Tgt Ion: 43 Resp: 690514

Ion Ratio Lower Upper

43 100

58 20.1 29.7 89.1#

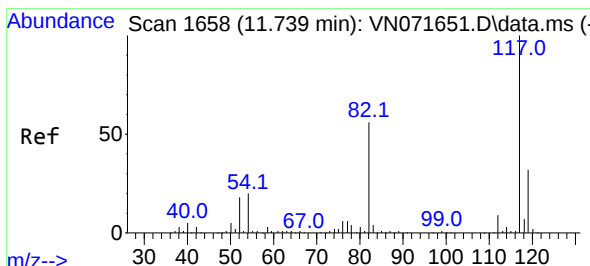
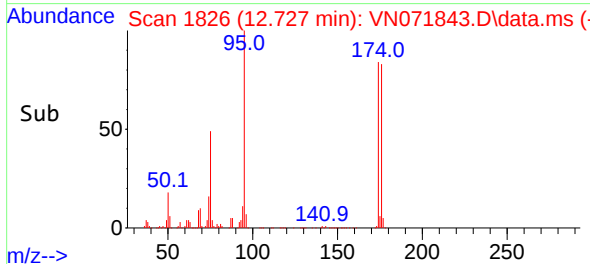
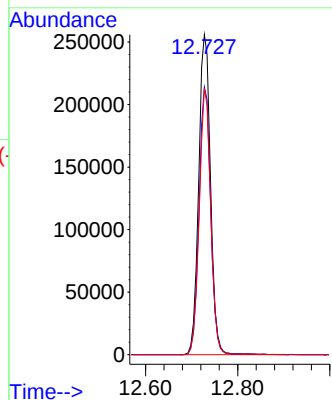
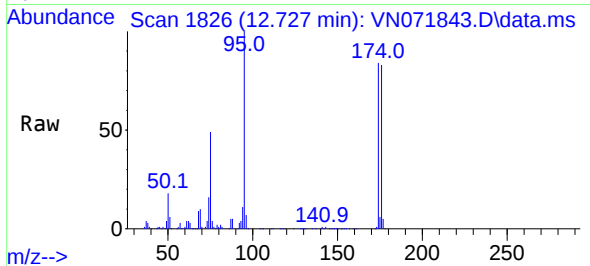




#62
4-Bromofluorobenzene
Concen: 55.833 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

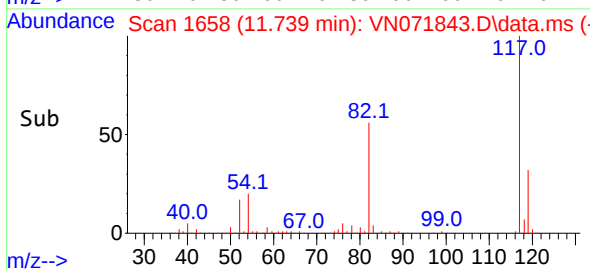
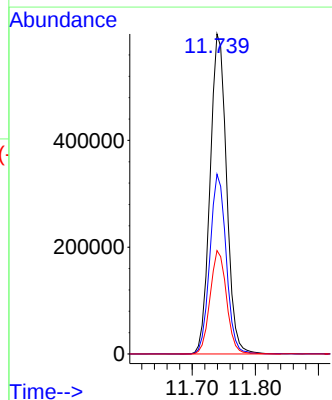
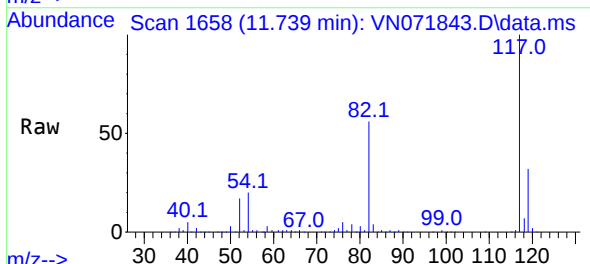
Instrument :
MSVOA_N
ClientSampleId :
TP-3

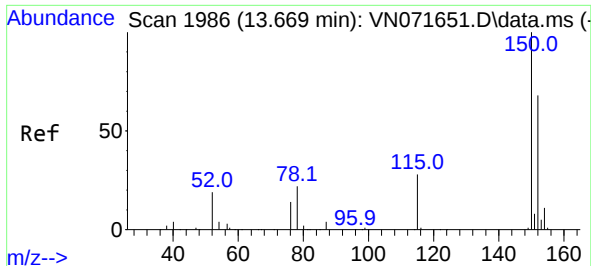
Tgt Ion: 95 Resp: 455466
Ion Ratio Lower Upper
95 100
174 82.8 0.0 167.6
176 80.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Tgt Ion: 117 Resp: 1087478
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.2
119 32.3 25.4 38.0

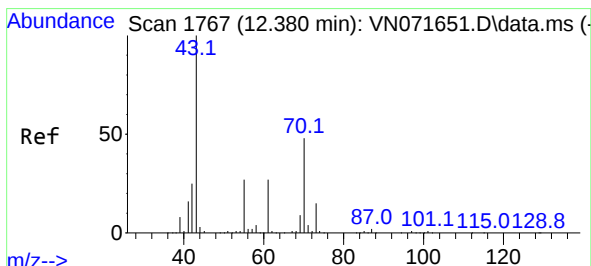
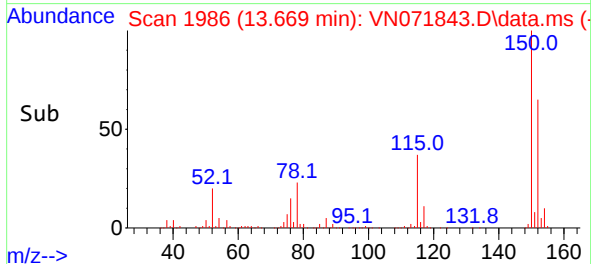
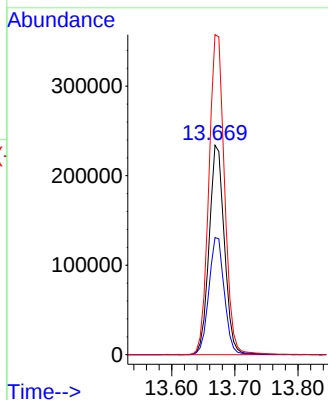
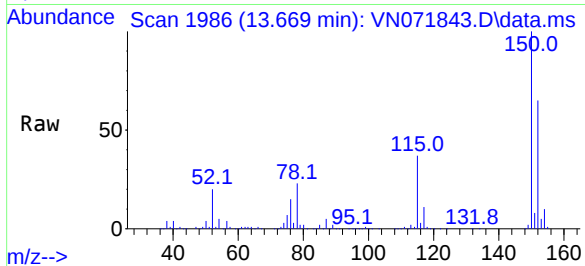




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

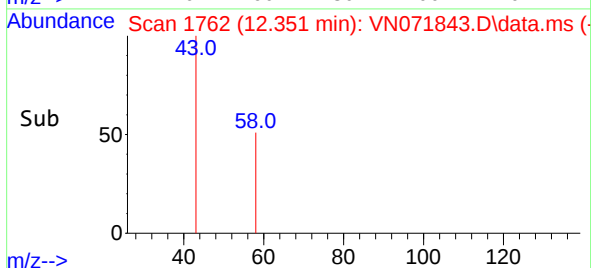
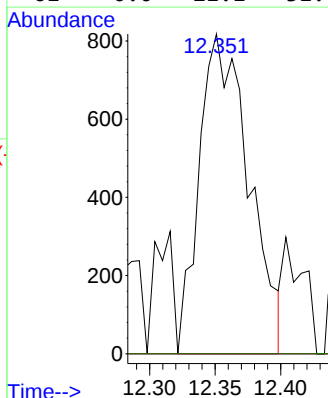
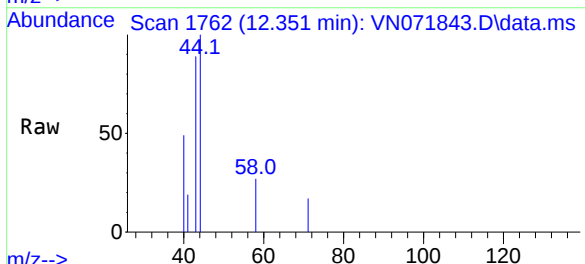
Instrument :
MSVOA_N
ClientSampleId :
TP-3

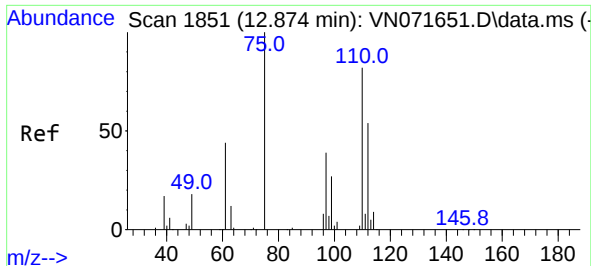
Tgt Ion:152 Resp: 393403
Ion Ratio Lower Upper
152 100
115 56.8 28.9 86.7
150 156.2 0.0 356.2



#74
N-ethyl acetate
Concen: 0.227 ug/l
RT: 12.351 min Scan# 1762
Delta R.T. -0.029 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Tgt Ion: 43 Resp: 2152
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#

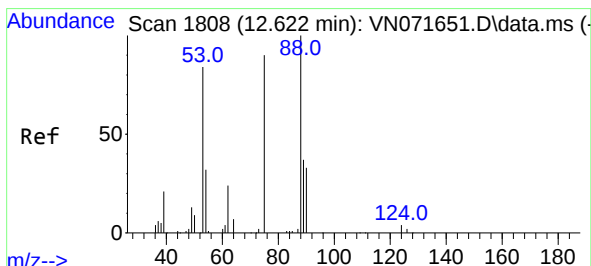
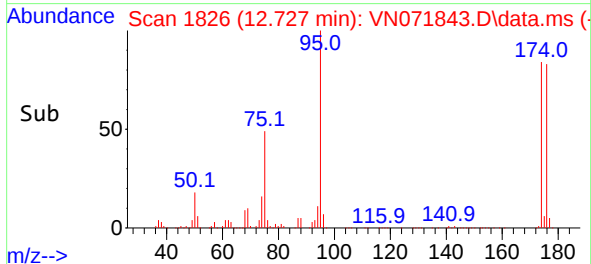
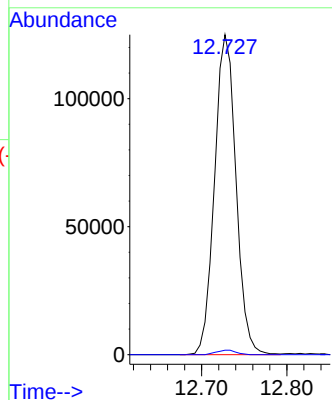
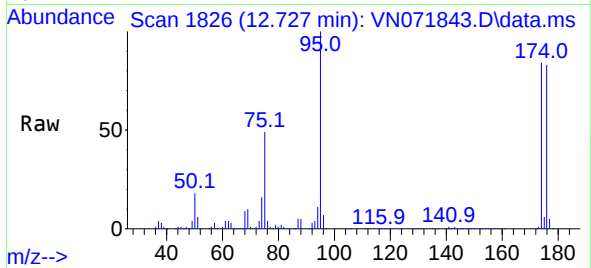




#76
1,2,3-Trichloropropane
Concen: 24.000 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

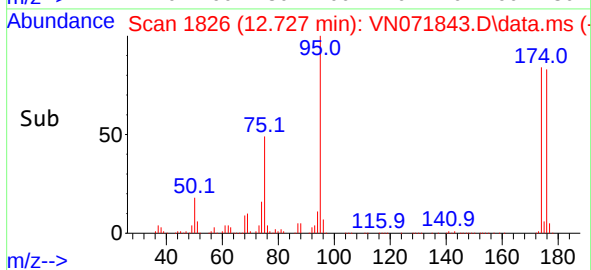
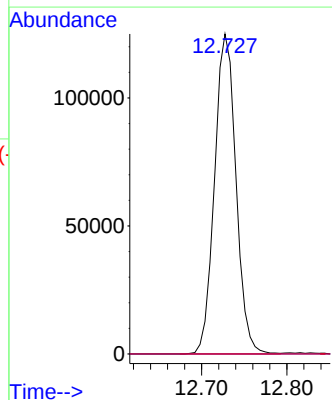
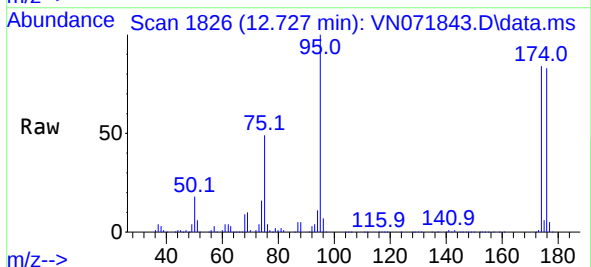
Instrument :
MSVOA_N
ClientSampleId :
TP-3

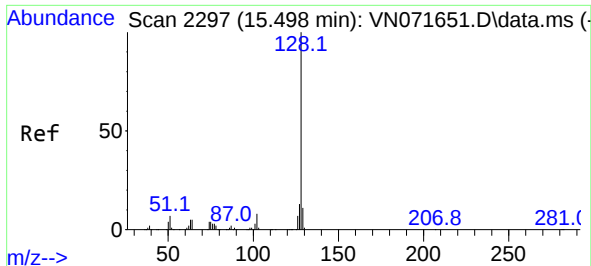
Tgt Ion: 75 Resp: 218726
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.376 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

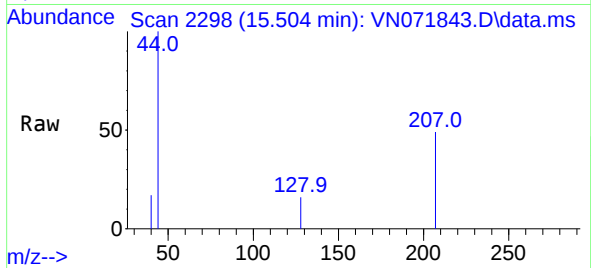
Tgt Ion: 75 Resp: 218726
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 3.815 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071843.D
Acq: 04 Apr 2022 19:53

Instrument :
MSVOA_N
ClientSampleId :
TP-3



Tgt Ion:128 Resp: 232

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

