

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042222\
 Data File : VN072163.D
 Acq On : 22 Apr 2022 17:47
 Operator : JC\MD
 Sample : N2494-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 03:22:08 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)

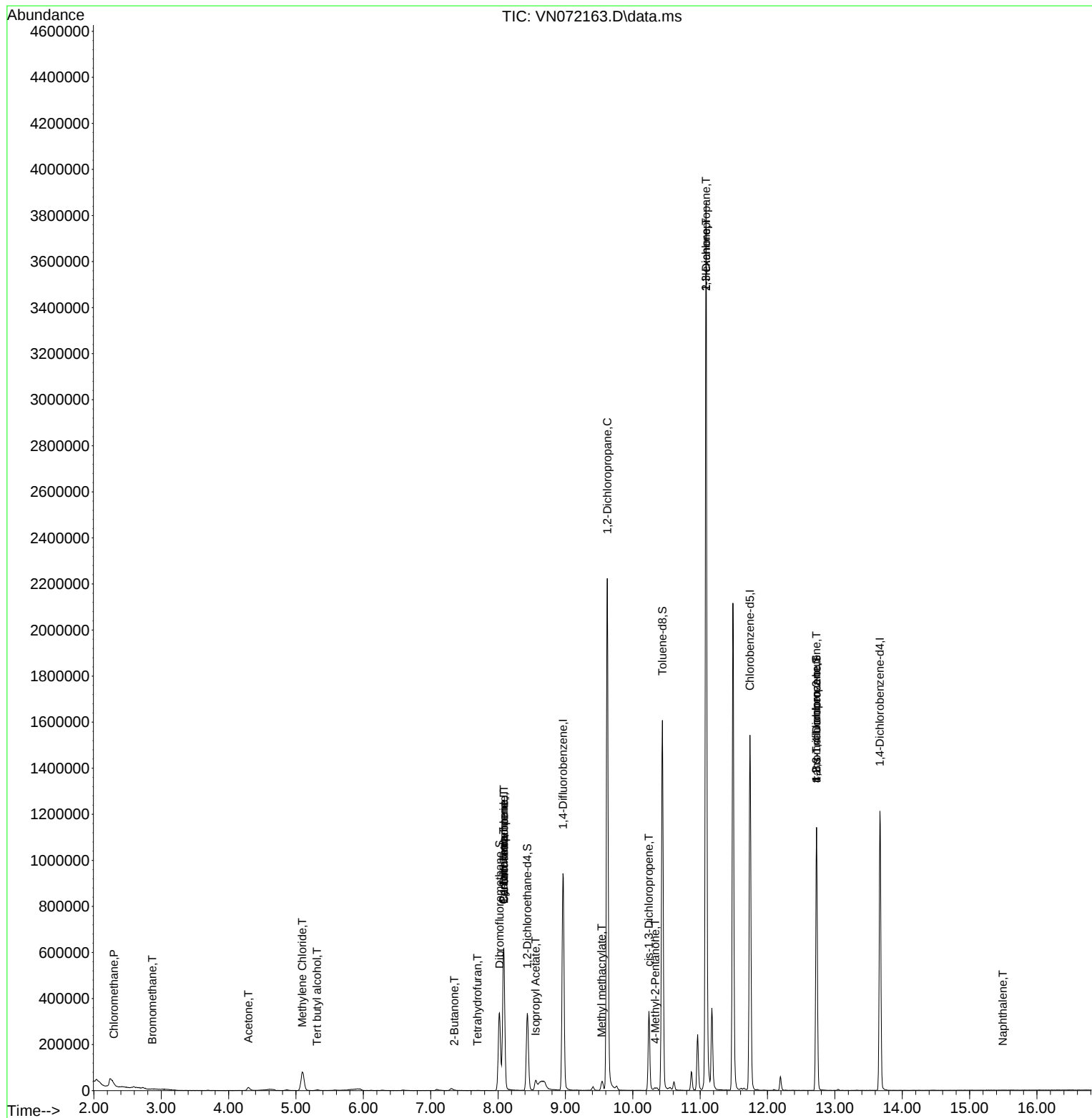
Internal Standards						
1) Pentafluorobenzene	8.087	168	531322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	910422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	999575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	368412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	273982	45.169	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.340%
35) Dibromofluoromethane	8.022	113	256554	47.889	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.780%
50) Toluene-d8	10.439	98	1174851	53.608	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.220%
62) 4-Bromofluorobenzene	12.727	95	407252	57.458	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	114.920%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1441	0.269	ug/l	92
5) Bromomethane	2.869	94	946	0.248	ug/l #	79
11) Tert butyl alcohol	5.310	59	1496	1.520	ug/l #	72
16) Acetone	4.293	43	22429	8.652	ug/l	95
18) Methyl Acetate	4.869	43	6750	Below Cal		100
20) Methylene Chloride	5.093	84	73379	13.430	ug/l	90
25) 2-Butanone	7.351	43	3388	0.907	ug/l	95
29) Tetrahydrofuran	7.692	42	578	0.239	ug/l #	52
31) Cyclohexane	8.081	56	7662	0.929	ug/l #	1
36) 1,1-Dichloropropene	8.087	75	34120	4.561	ug/l #	47
38) Carbon Tetrachloride	8.087	117	44801	6.110	ug/l #	17
43) Isopropyl Acetate	8.557	43	50807	3.730	ug/l #	86
45) 1,2-Dichloropropane	9.622	63	3190	0.540	ug/l #	44
48) Methyl methacrylate	9.539	41	9992	1.768	ug/l #	10
49) 1,4-Dioxane	9.575	88	55	Below Cal	#	25
51) 4-Methyl-2-Pentanone	10.333	43	7505	0.958	ug/l	95
54) cis-1,3-Dichloropropene	10.239	75	71991	7.879	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	46010	4.476	ug/l #	42
59) 2-Hexanone	11.086	43	510487	92.593	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	188223	22.054	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	188223	68.345	ug/l #	10
95) Naphthalene	15.492	128	677	3.840	ug/l #	69

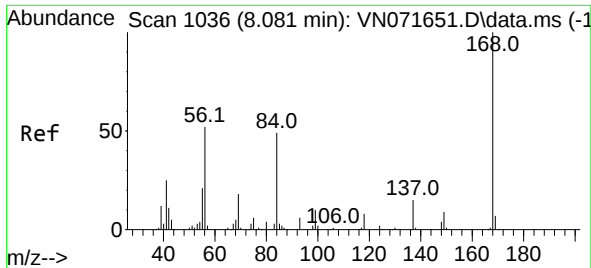
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
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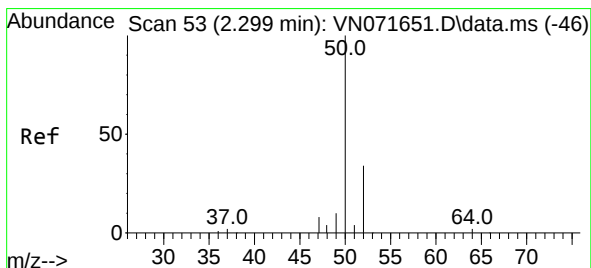
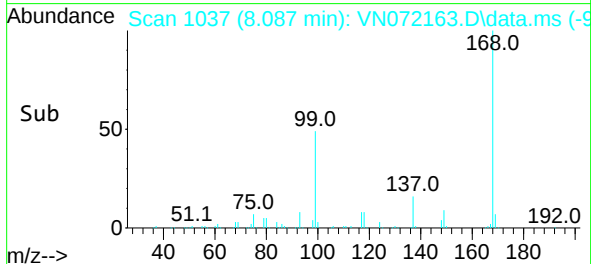
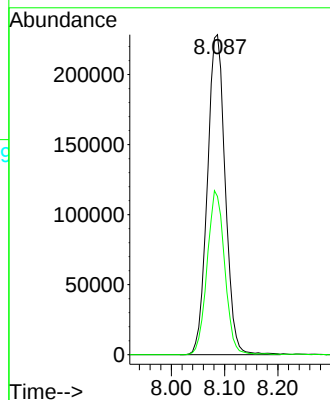
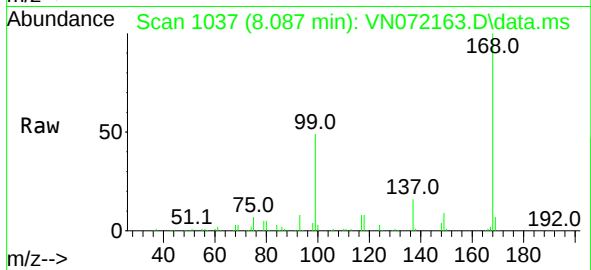




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47

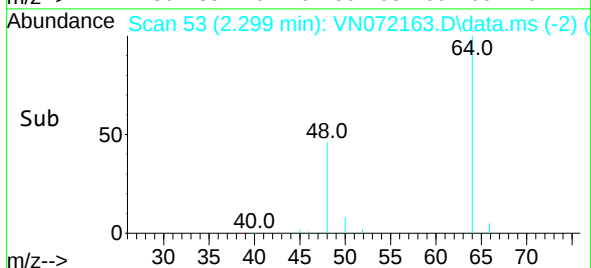
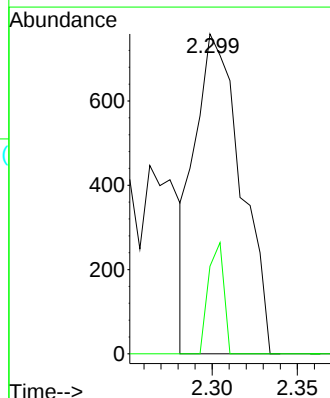
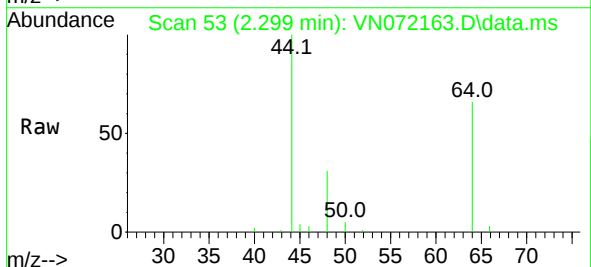
Instrument :
MSVOA_N
ClientSampleId :

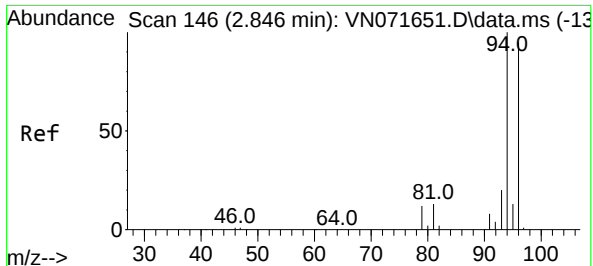
Tgt Ion:168 Resp: 531322
Ion Ratio Lower Upper
168 100
99 49.5 42.3 63.5



#3
Chloromethane
Concen: 0.269 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47

Tgt Ion: 50 Resp: 1441
Ion Ratio Lower Upper
50 100
52 27.4 25.7 38.5





#5

Bromomethane

Concen: 0.248 ug/l

RT: 2.869 min Scan# 11

Delta R.T. 0.023 min

Lab File: VN072163.D

Acq: 22 Apr 2022 17:47

Instrument :

MSVOA_N

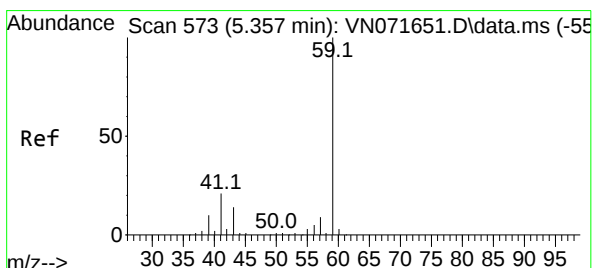
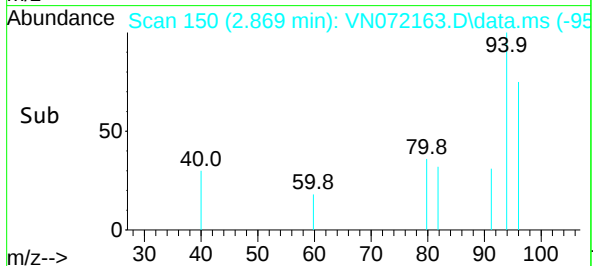
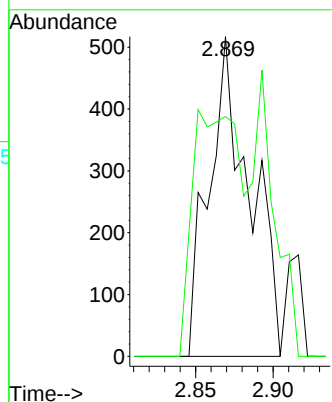
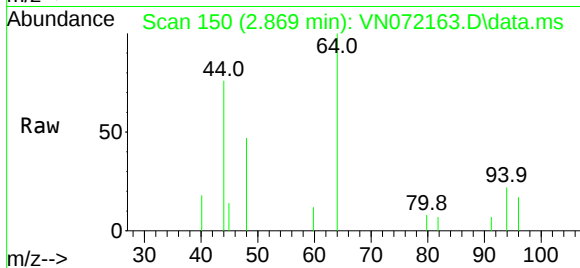
ClientSampleId :

Tgt Ion: 94 Resp: 946

Ion Ratio Lower Upper

94 100

96 75.0 76.0 114.0#



#11

Tert butyl alcohol

Concen: 1.520 ug/l

RT: 5.310 min Scan# 565

Delta R.T. -0.047 min

Lab File: VN072163.D

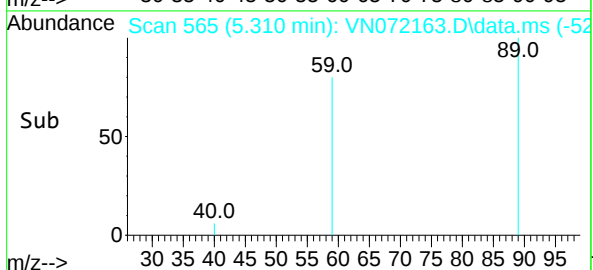
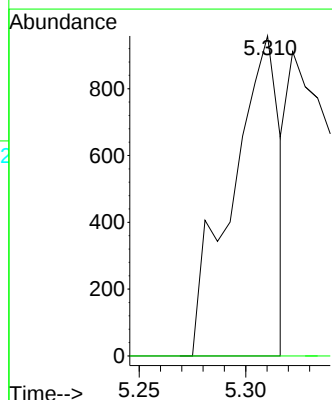
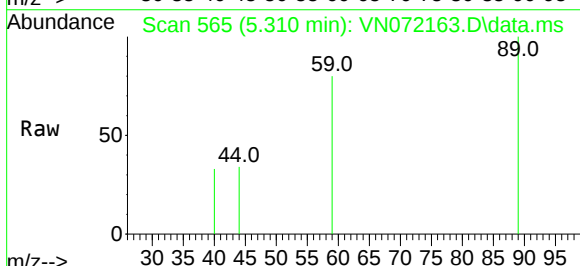
Acq: 22 Apr 2022 17:47

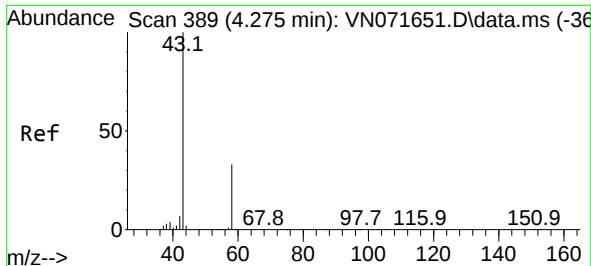
Tgt Ion: 59 Resp: 1496

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

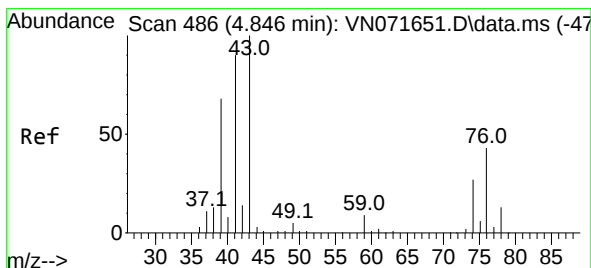
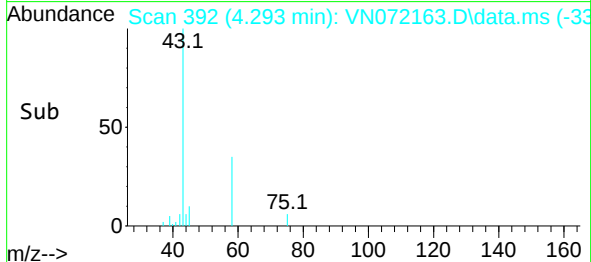
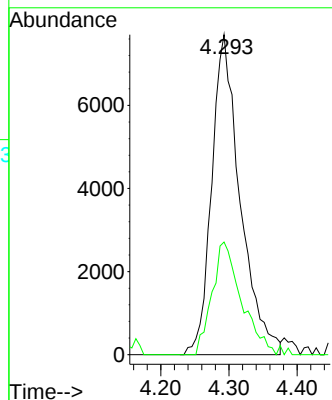
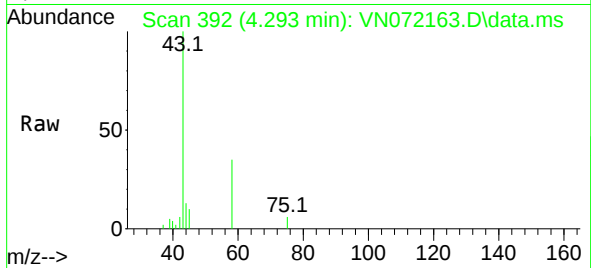




#16
Acetone
Concen: 8.652 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.018 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47

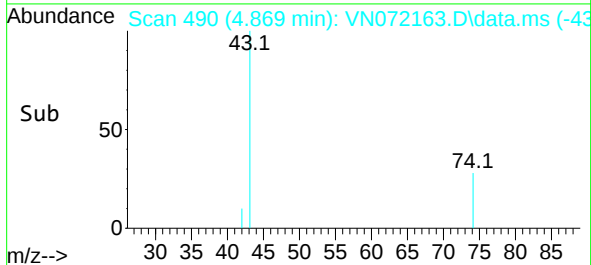
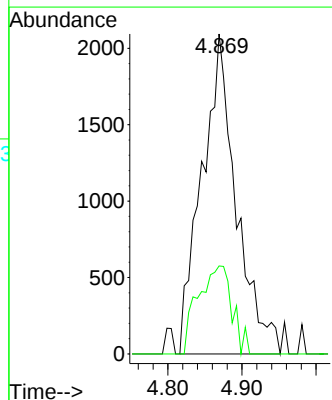
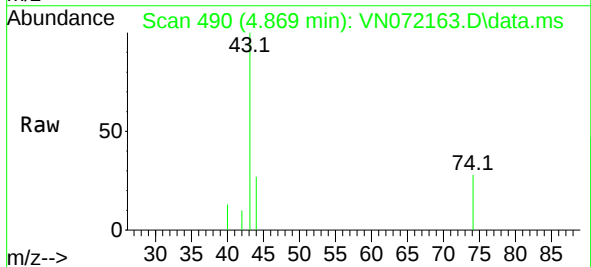
Instrument :
MSVOA_N
ClientSampleId :

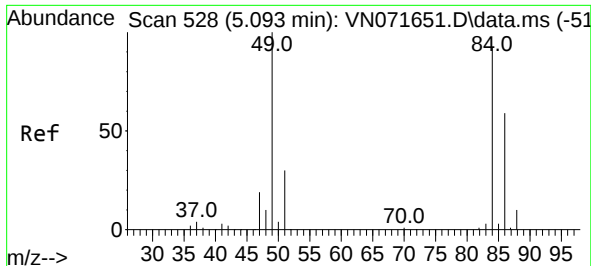
Tgt Ion: 43 Resp: 22429
Ion Ratio Lower Upper
43 100
58 35.2 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47

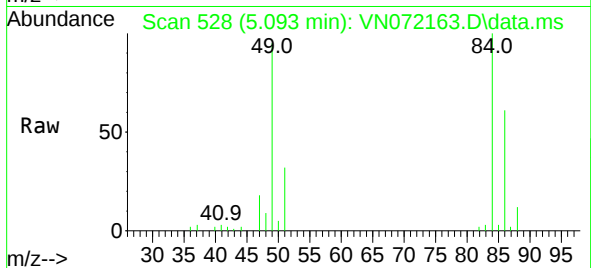
Tgt Ion: 43 Resp: 6750
Ion Ratio Lower Upper
43 100
74 27.1 21.6 32.4



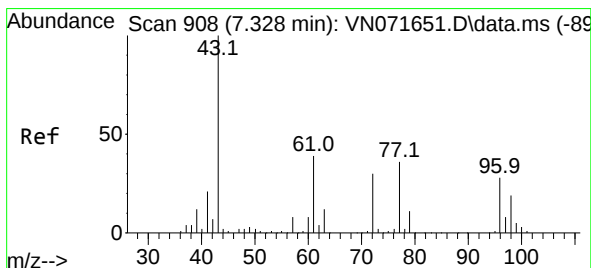
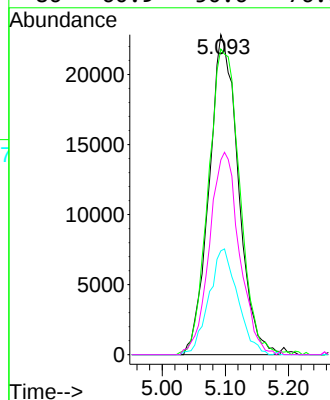
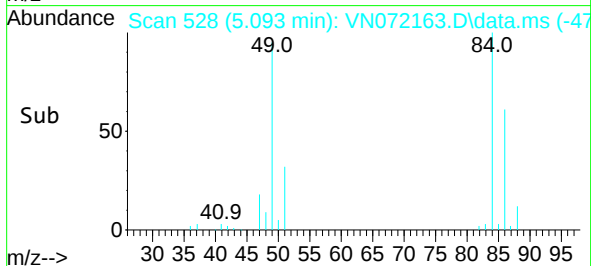


#20
Methylene Chloride
Concen: 13.430 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47

Instrument :
MSVOA_N
ClientSampleId :

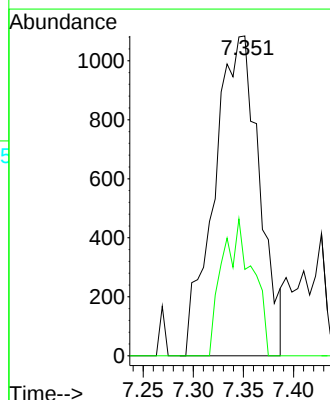
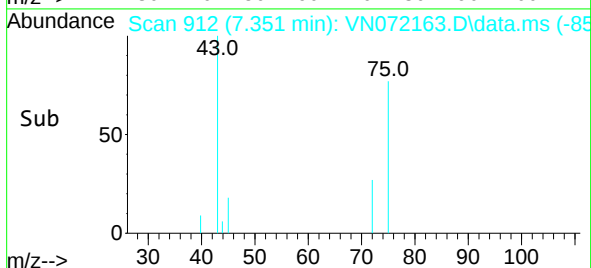
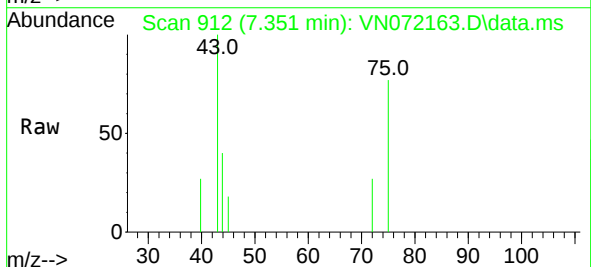


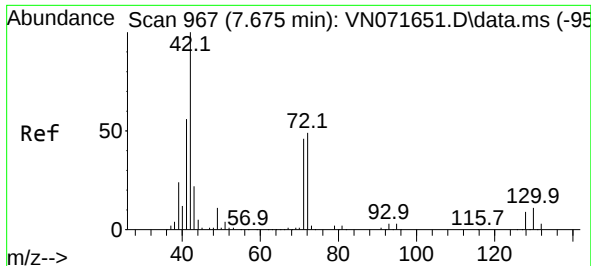
Tgt Ion: 84	Resp: 73379
Ion Ratio	Lower Upper
84 100	
49 94.8	88.3 132.5
51 32.5	28.2 42.2
86 60.9	50.6 76.0



#25
2-Butanone
Concen: 0.907 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.023 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47

Tgt Ion: 43	Resp: 3388		
Ion Ratio	Lower	Upper	
43 100			
72 27.0	23.7	35.5	





#29

Tetrahydrofuran

Concen: 0.239 ug/l

RT: 7.692 min Scan# 91

Delta R.T. 0.017 min

Lab File: VN072163.D

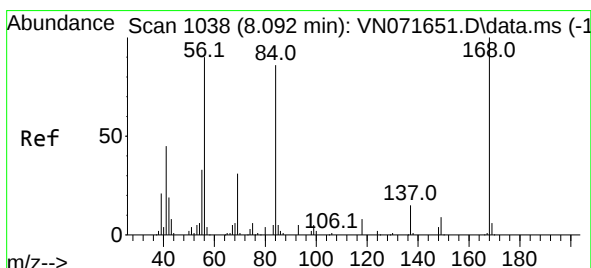
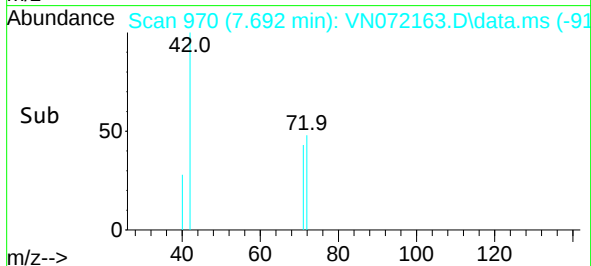
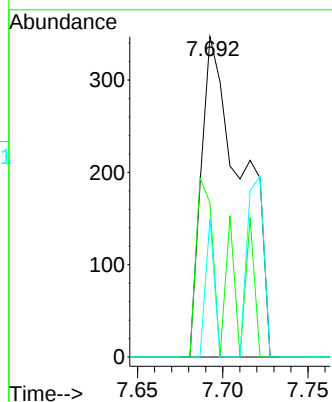
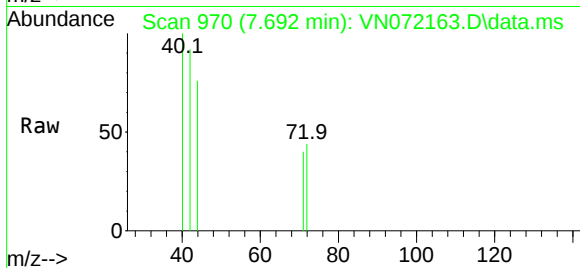
Acq: 22 Apr 2022 17:47

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 42	Resp: 578
Ion Ratio	Lower Upper
42	100
72	22.0 39.7 59.5#
71	9.2 36.6 55.0#



#31

Cyclohexane

Concen: 0.929 ug/l

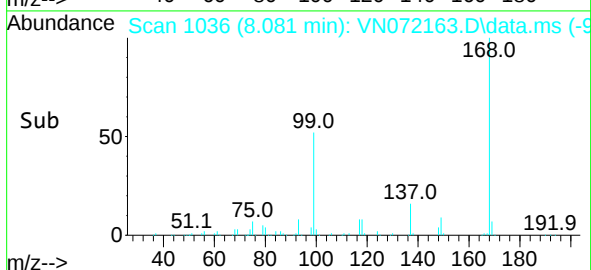
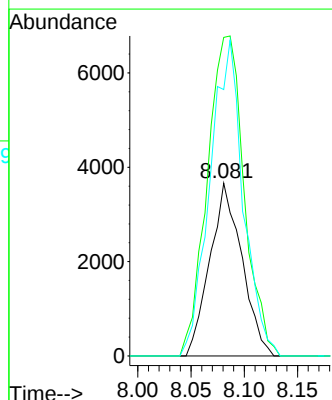
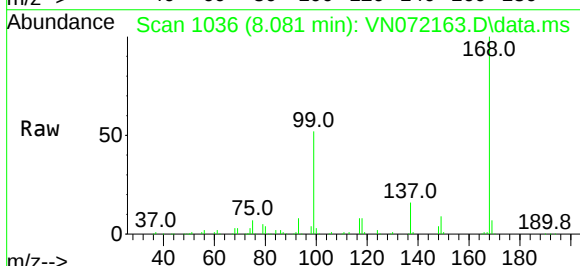
RT: 8.081 min Scan# 1036

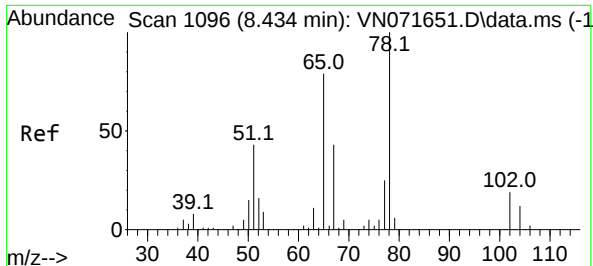
Delta R.T. -0.011 min

Lab File: VN072163.D

Acq: 22 Apr 2022 17:47

Tgt Ion: 56	Resp: 7662
Ion Ratio	Lower Upper
56	100
69	184.3 27.8 41.8#
84	154.1 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 45.169 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072163.D

Acq: 22 Apr 2022 17:47

Instrument :

MSVOA_N

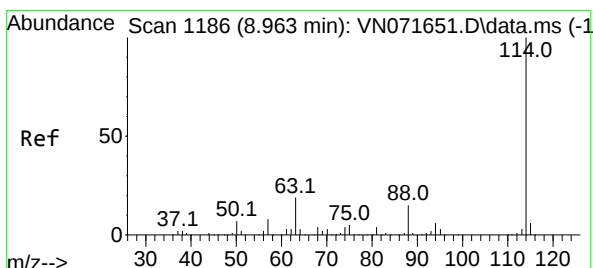
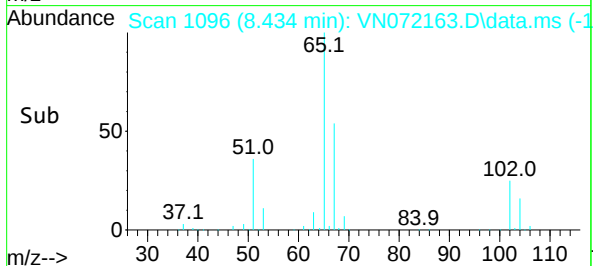
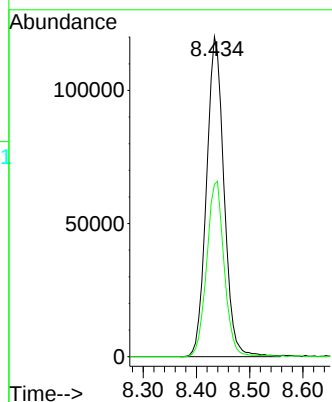
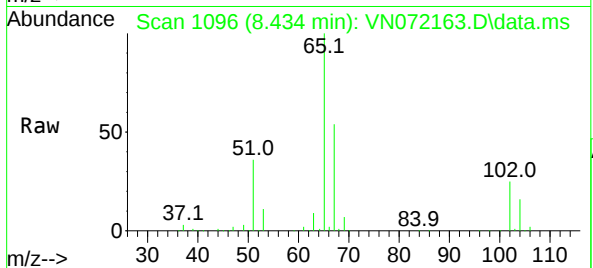
ClientSampleId :

Tgt Ion: 65 Resp: 273982

Ion Ratio Lower Upper

65 100

67 54.9 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: VN072163.D

Acq: 22 Apr 2022 17:47

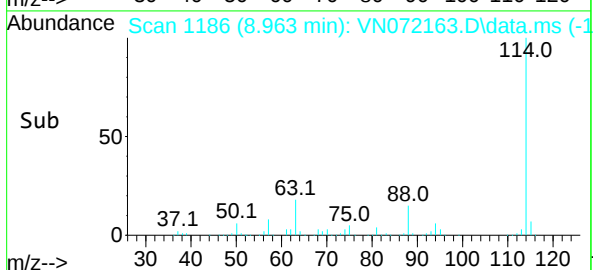
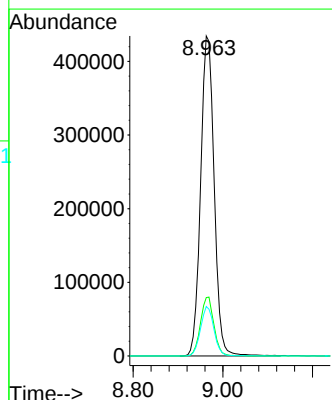
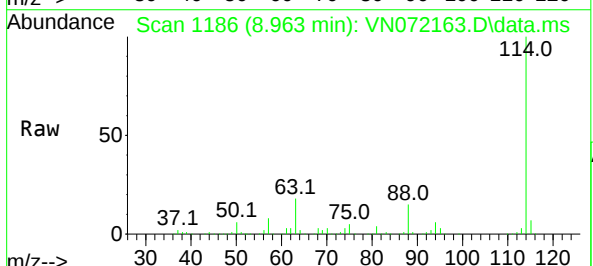
Tgt Ion: 114 Resp: 910422

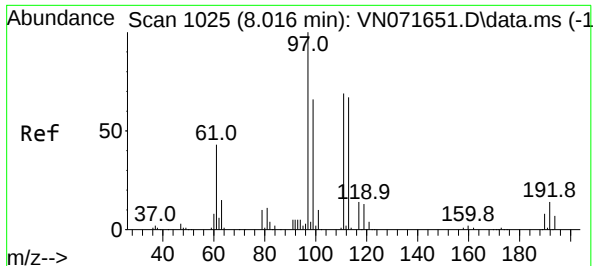
Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.889 ug/l

RT: 8.022 min Scan# 1037

Delta R.T. 0.006 min

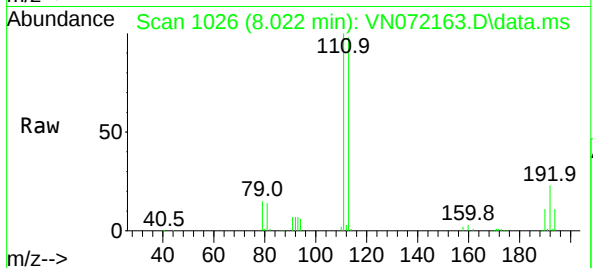
Lab File: VN072163.D

Acq: 22 Apr 2022 17:47

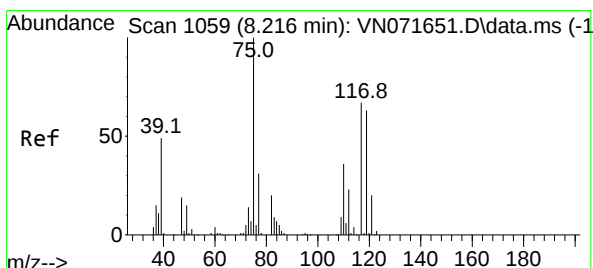
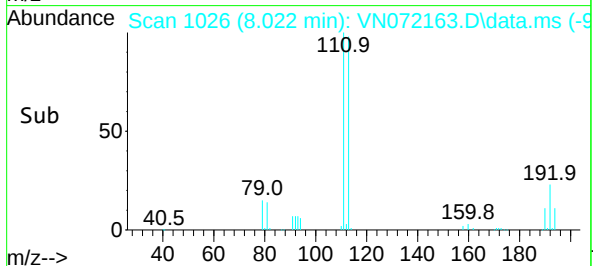
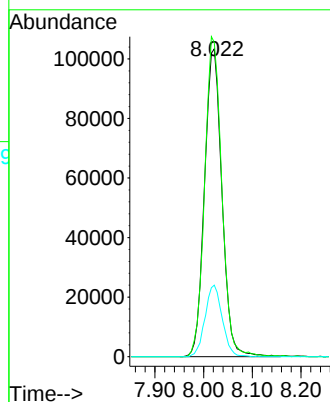
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	113	Resp:	256554
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	22.9	17.0	25.6



#36

1,1-Dichloropropene

Concen: 4.561 ug/l

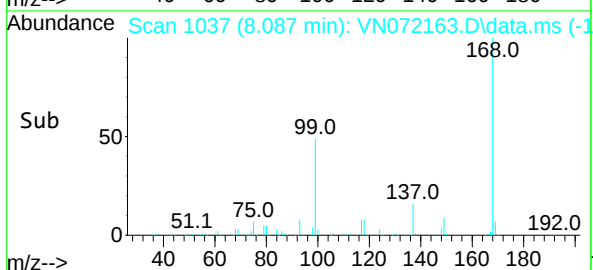
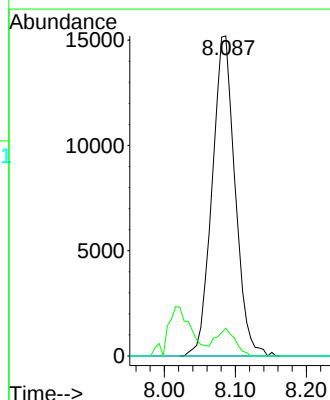
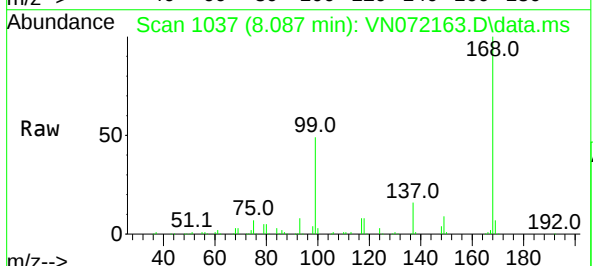
RT: 8.087 min Scan# 1037

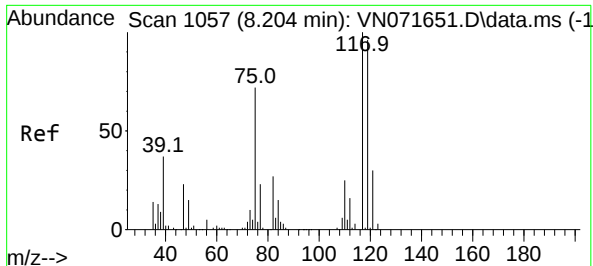
Delta R.T. -0.129 min

Lab File: VN072163.D

Acq: 22 Apr 2022 17:47

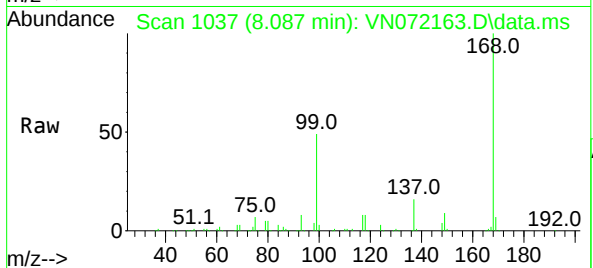
Tgt Ion:	75	Resp:	34120
Ion	Ratio	Lower	Upper
75	100		
110	7.2	18.3	54.8#
77	0.0	25.1	37.7#



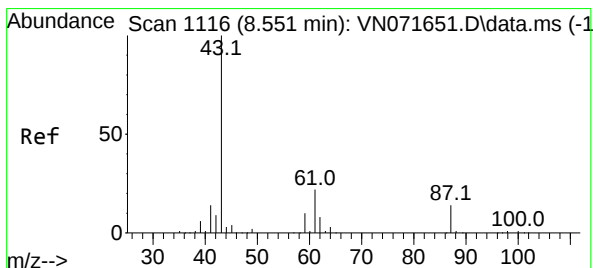
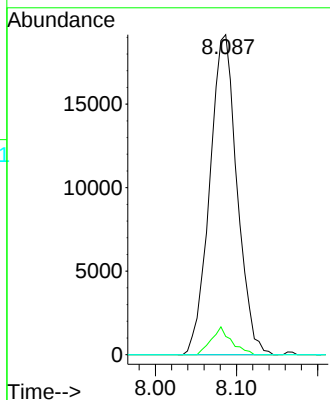
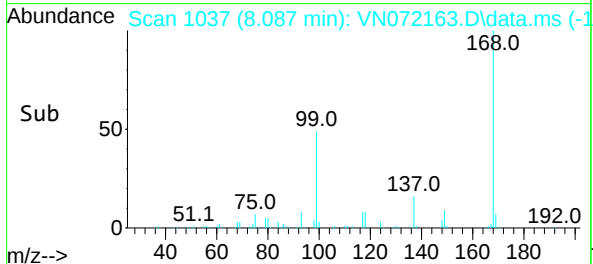


#38
Carbon Tetrachloride
Concen: 6.110 ug/l
RT: 8.087 min Scan# 1117
Delta R.T. -0.117 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47

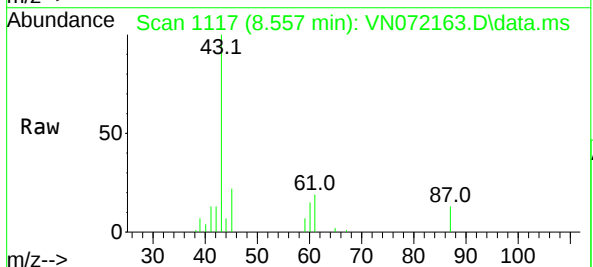
Instrument :
MSVOA_N
ClientSampleId :



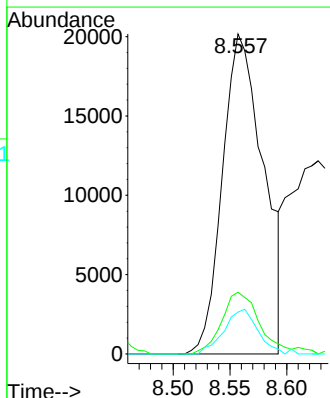
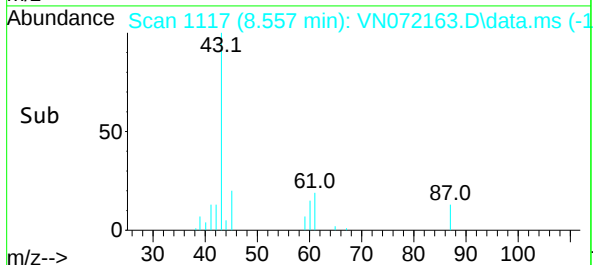
Tgt Ion:117 Resp: 44801
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 24.6 37.0#

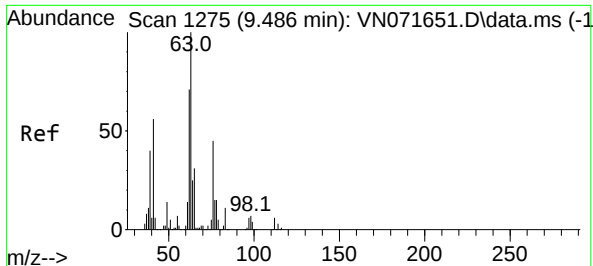


#43
Isopropyl Acetate
Concen: 3.730 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47



Tgt Ion: 43 Resp: 50807
Ion Ratio Lower Upper
43 100
61 18.2 21.9 32.9#
87 11.6 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.540 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.136 min

Lab File: VN072163.D

Acq: 22 Apr 2022 17:47

Instrument :

MSVOA_N

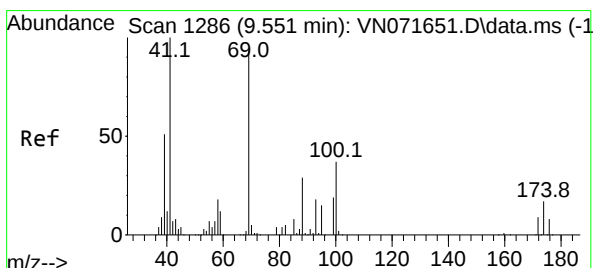
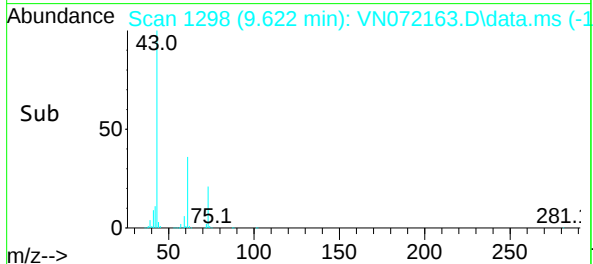
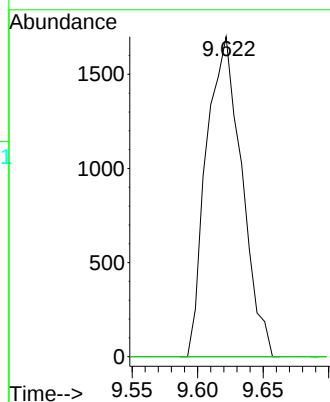
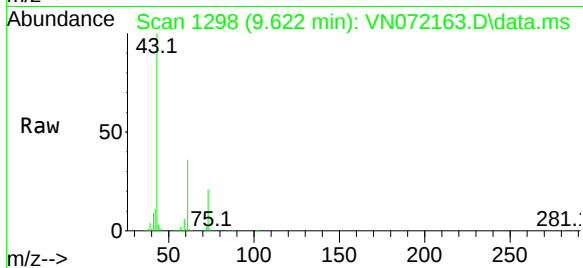
ClientSampleId :

Tgt Ion: 63 Resp: 3190

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.768 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072163.D

Acq: 22 Apr 2022 17:47

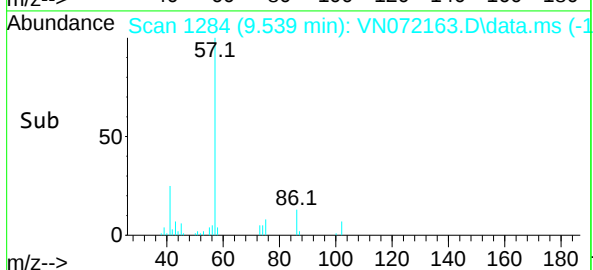
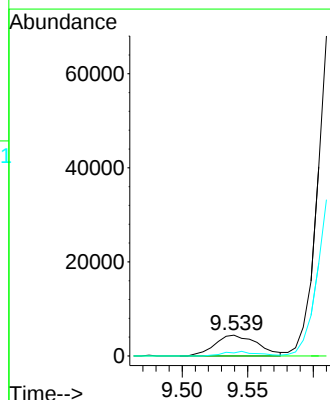
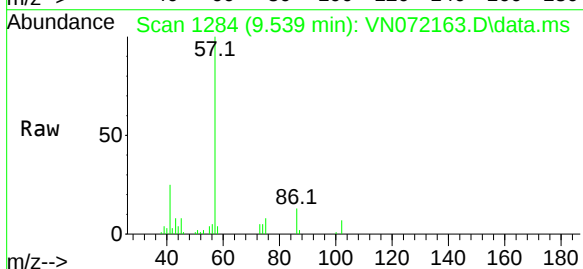
Tgt Ion: 41 Resp: 9992

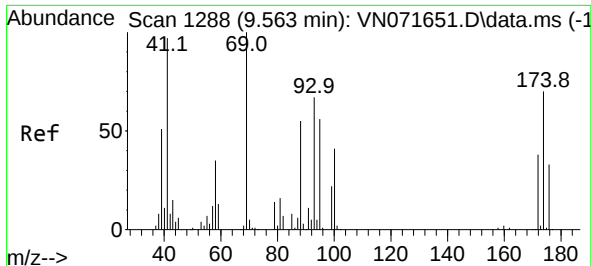
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

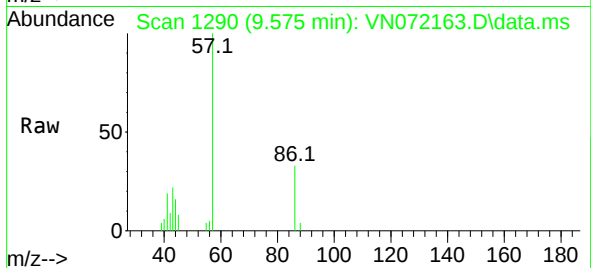
39 0.0 45.6 68.4#



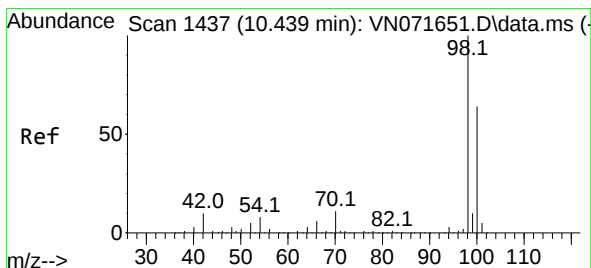
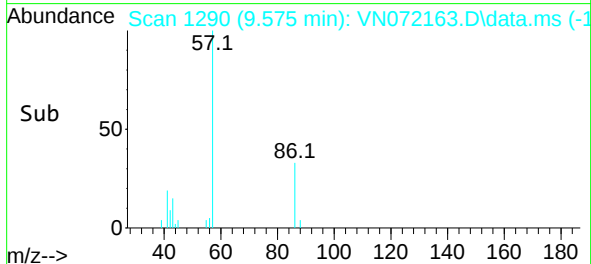
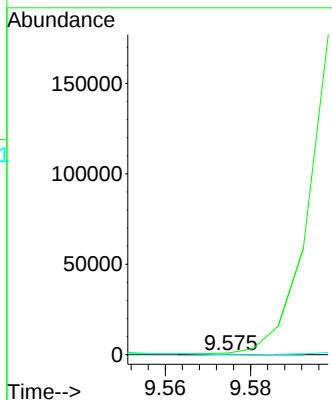


#49
1,4-Dioxane
Concen: Below Cal
RT: 9.575 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47

Instrument :
MSVOA_N
ClientSampleId :

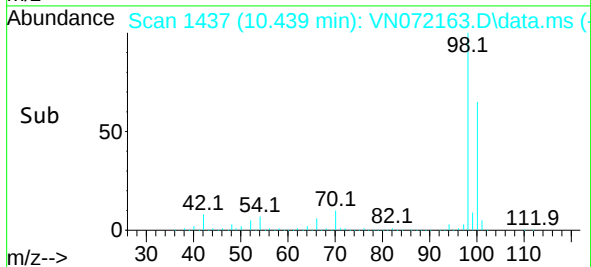
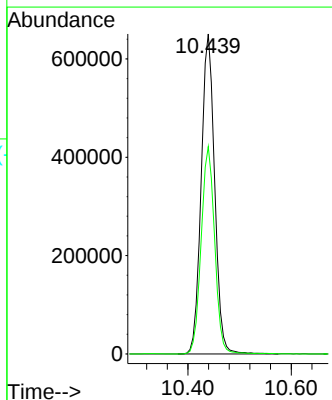
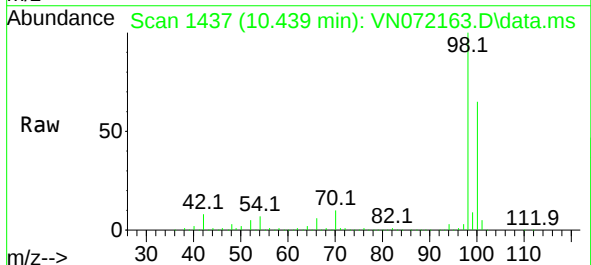


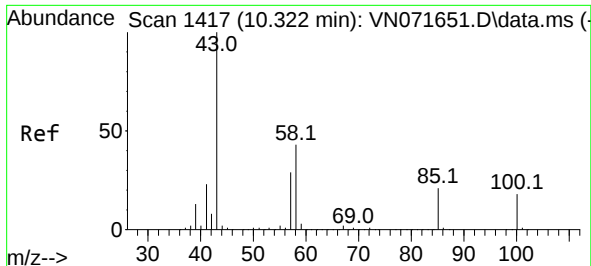
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 53.608 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47

Tgt Ion: 98 Resp: 1174851
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.958 ug/l

RT: 10.333 min Scan# 1417

Delta R.T. 0.011 min

Lab File: VN072163.D

Acq: 22 Apr 2022 17:47

Instrument :

MSVOA_N

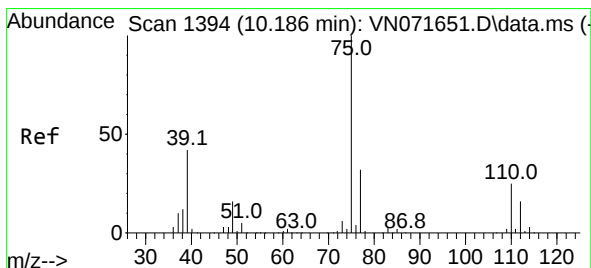
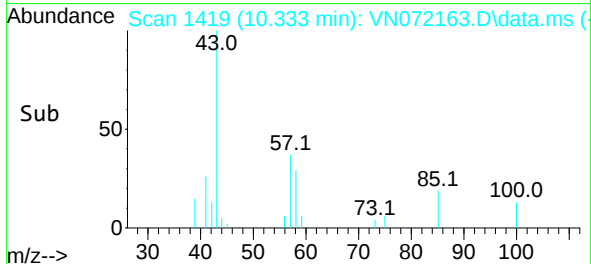
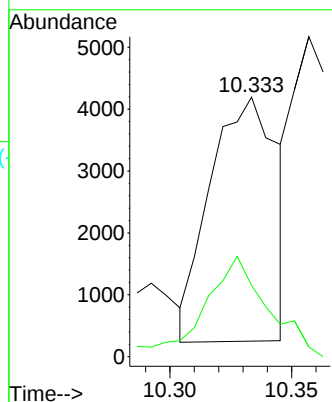
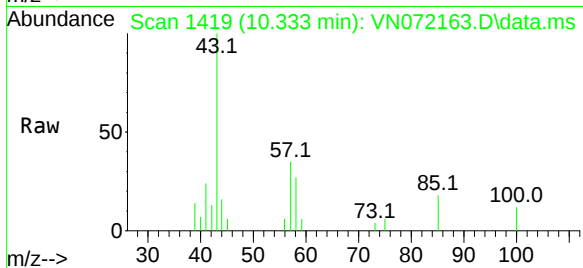
ClientSampleId :

Tgt Ion: 43 Resp: 7505

Ion Ratio Lower Upper

43 100

58 39.2 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 7.879 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN072163.D

Acq: 22 Apr 2022 17:47

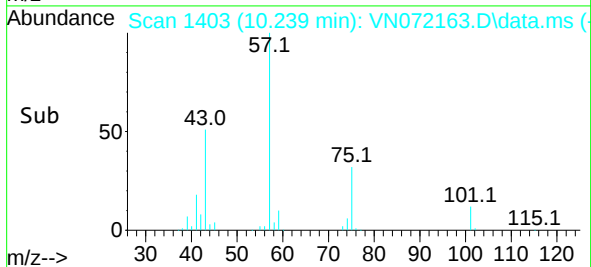
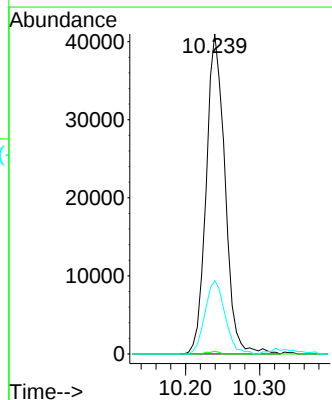
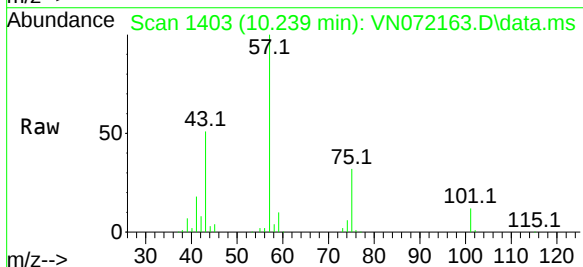
Tgt Ion: 75 Resp: 71991

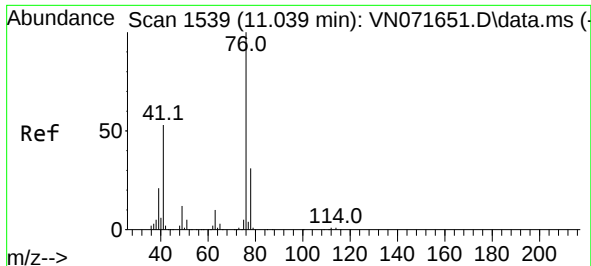
Ion Ratio Lower Upper

75 100

77 0.8 25.2 37.8#

39 22.9 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.476 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072163.D

Acq: 22 Apr 2022 17:47

Instrument :

MSVOA_N

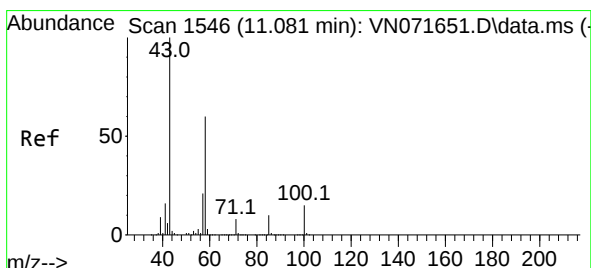
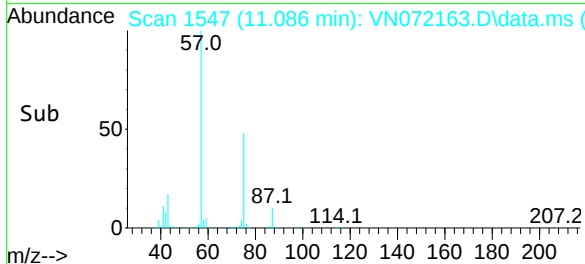
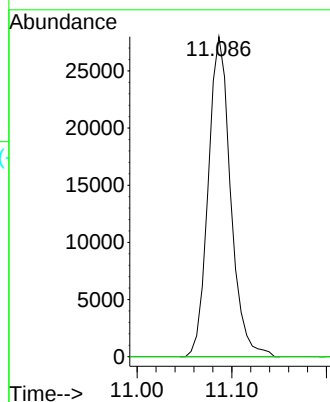
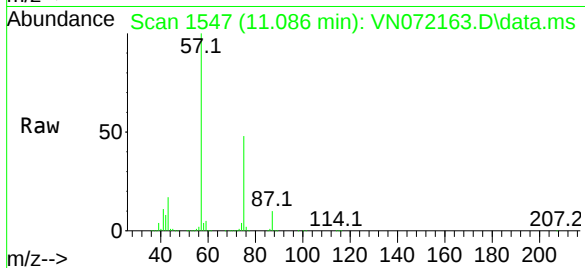
ClientSampleId :

Tgt Ion: 76 Resp: 46010

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 92.593 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072163.D

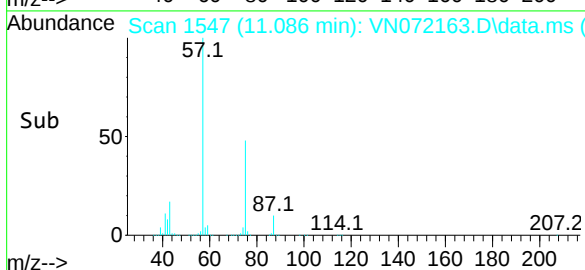
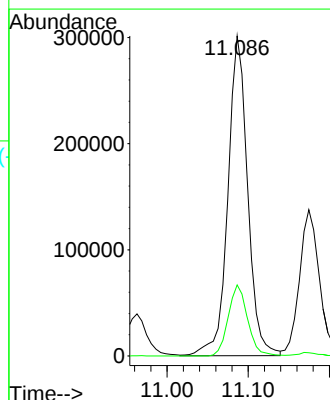
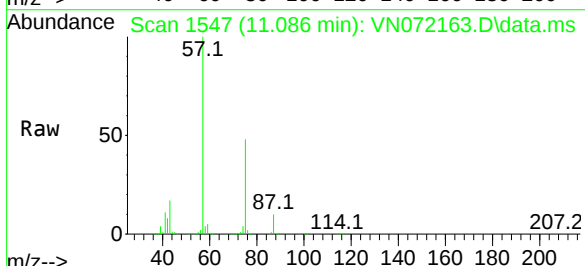
Acq: 22 Apr 2022 17:47

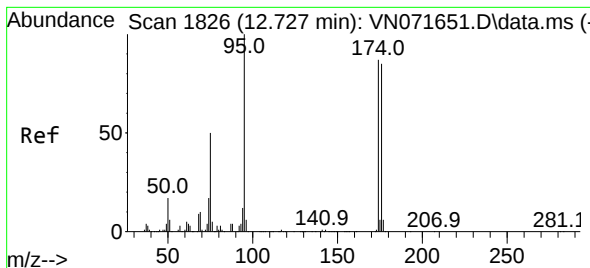
Tgt Ion: 43 Resp: 510487

Ion Ratio Lower Upper

43 100

58 21.7 29.7 89.1#

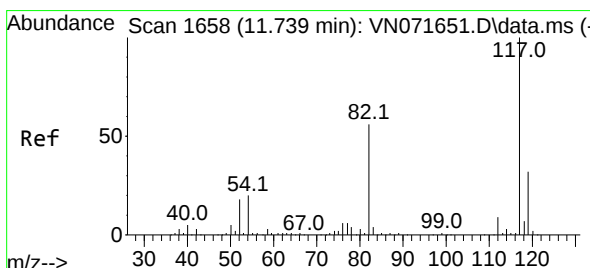
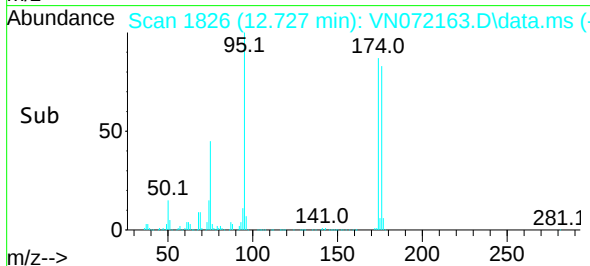
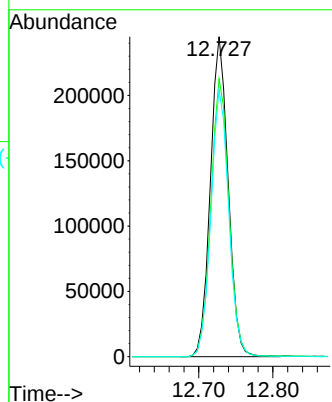
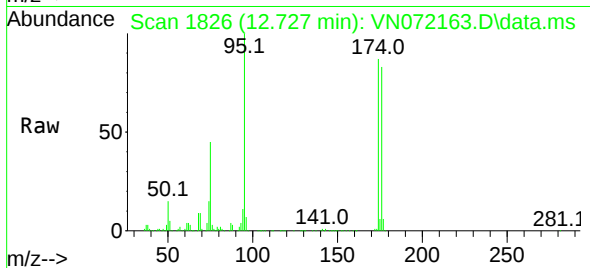




#62
4-Bromofluorobenzene
Concen: 57.458 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47

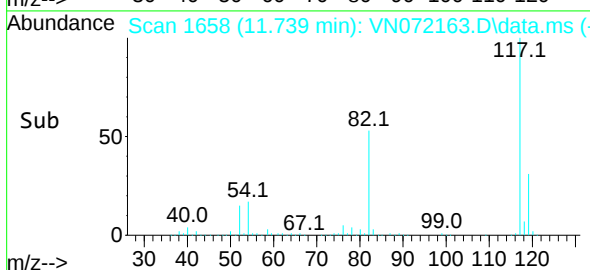
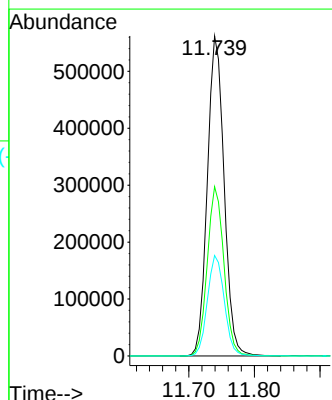
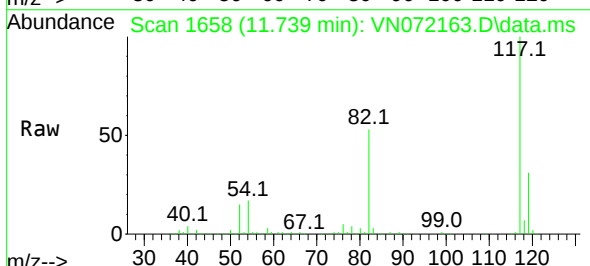
Instrument :
MSVOA_N
ClientSampleId :

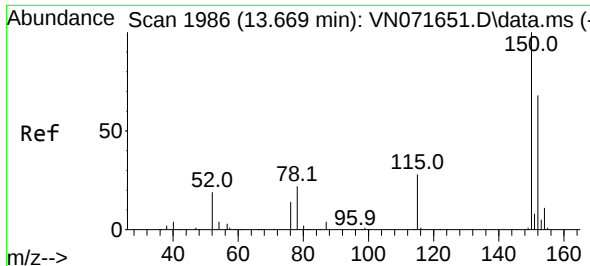
Tgt Ion: 95 Resp: 407252
Ion Ratio Lower Upper
95 100
174 88.4 0.0 167.6
176 84.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47

Tgt Ion: 117 Resp: 999575
Ion Ratio Lower Upper
117 100
82 52.9 44.2 66.2
119 31.4 25.4 38.0

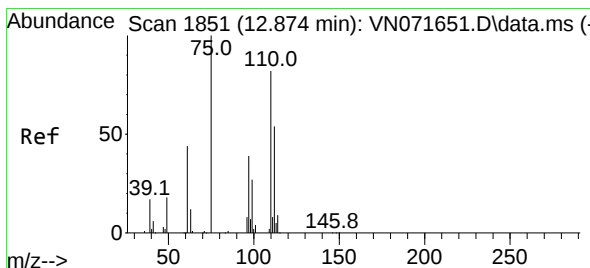
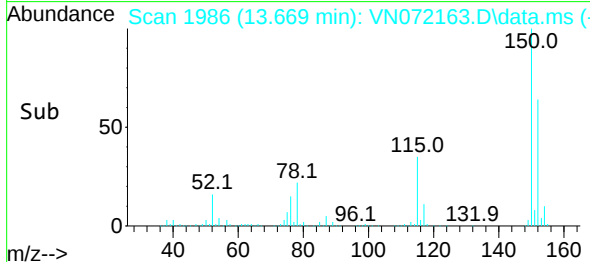
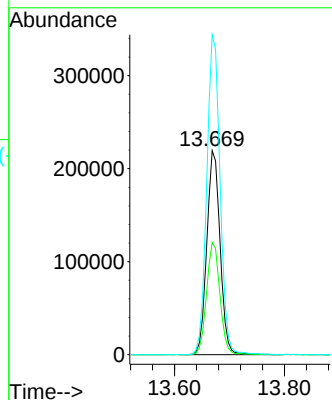
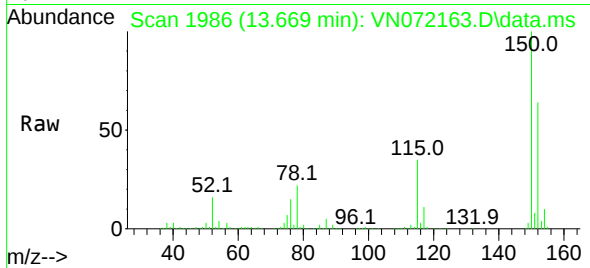




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN072163.D
 Acq: 22 Apr 2022 17:47

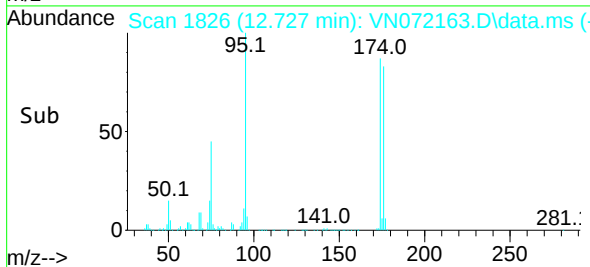
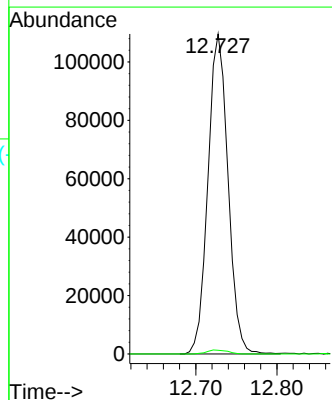
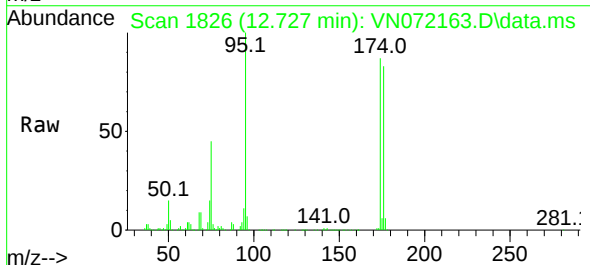
Instrument :
 MSVOA_N
 ClientSampleId :

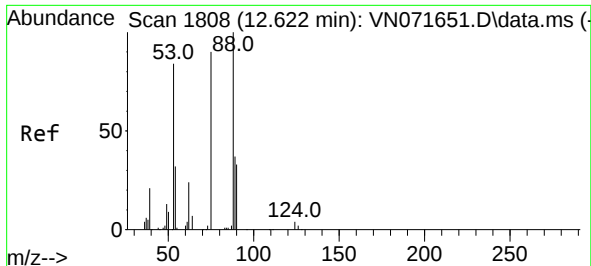
Tgt Ion:152 Resp: 368412
 Ion Ratio Lower Upper
 152 100
 115 55.3 28.9 86.7
 150 156.3 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 22.054 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072163.D
 Acq: 22 Apr 2022 17:47

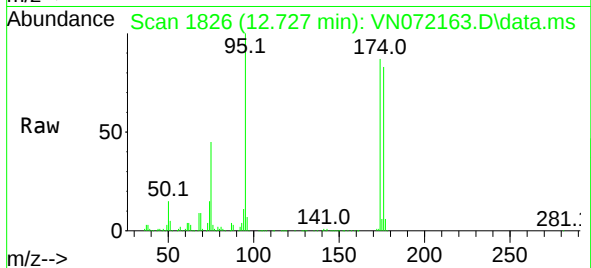
Tgt Ion: 75 Resp: 188223
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#



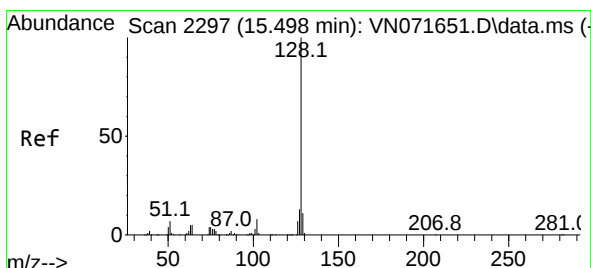
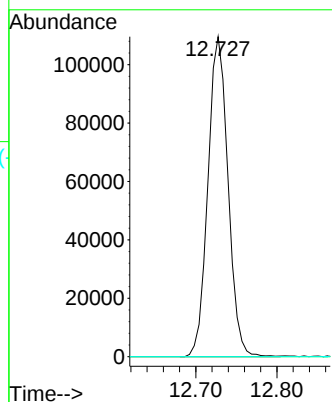
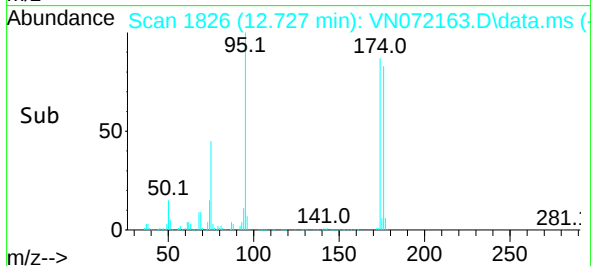


#81
trans-1,4-Dichloro-2-butene
Concen: 68.345 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47

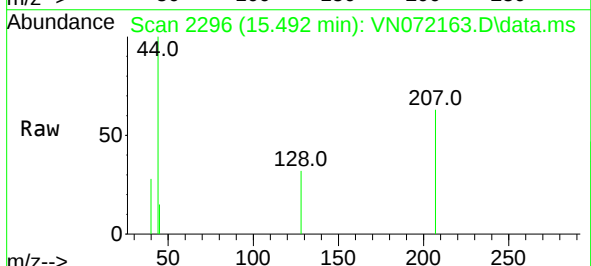
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 188223
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.840 ug/l
RT: 15.492 min Scan# 2296
Delta R.T. -0.006 min
Lab File: VN072163.D
Acq: 22 Apr 2022 17:47



Tgt Ion: 128 Resp: 677
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

