

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021821\
 Data File : VN065941.D
 Acq On : 18 Feb 2021 15:25
 Operator : JC/MD
 Sample : M1425-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 19 00:16:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

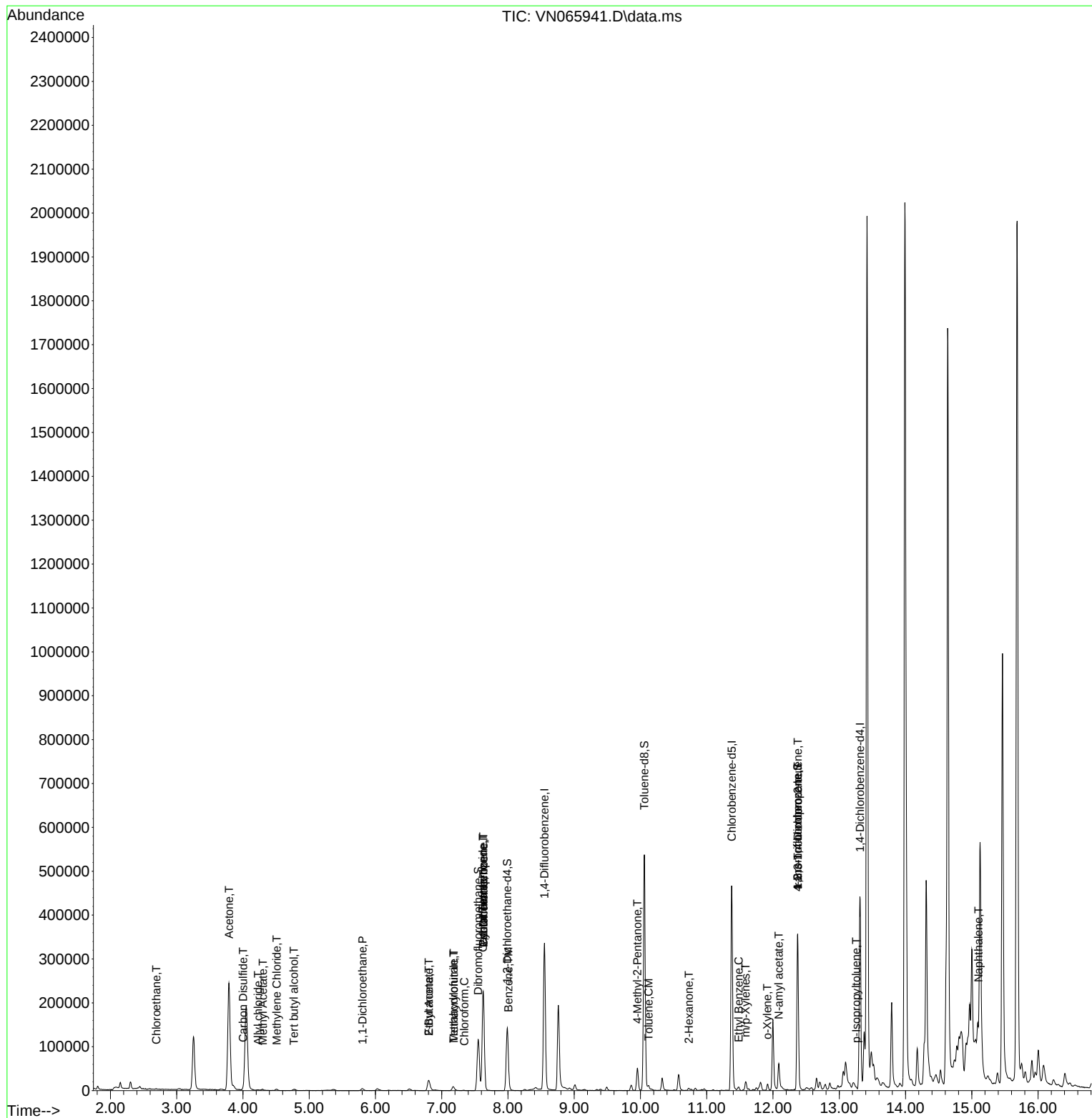
Internal Standards						
1) Pentafluorobenzene	7.627	168	182053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	304689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	282358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	122684	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	119499	46.94	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.88%		
35) Dibromofluoromethane	7.550	113	92986	49.31	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.62%		
50) Toluene-d8	10.058	98	380942	49.21	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.42%		
62) 4-Bromofluorobenzene	12.370	95	137697	47.39	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.78%		
Target Compounds						Qvalue
6) Chloroethane	2.692	64	769	0.46	ug/l #	43
11) Tert butyl alcohol	4.769	59	5943	16.79	ug/l #	78
14) Allyl chloride	4.229	41	985	0.28	ug/l #	25
16) Acetone	3.788	43	395543	496.17	ug/l	99
17) Carbon Disulfide	4.000	76	2190	0.38	ug/l #	91
18) Methyl Acetate	4.303	43	3329	1.58	ug/l #	84
20) Methylene Chloride	4.508	84	2410	1.02	ug/l	90
24) 1,1-Dichloroethane	5.804	63	7686	1.91	ug/l #	92
25) 2-Butanone	6.804	43	39791	31.57	ug/l	99
29) Tetrahydrofuran	7.180	42	461	0.53	ug/l #	58
30) Chloroform	7.341	83	960	0.24	ug/l #	71
31) Cyclohexane	7.627	56	3644	0.96	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	14091	4.69	ug/l #	48
37) Ethyl Acetate	6.804	43	39791	14.67	ug/l #	68
38) Carbon Tetrachloride	7.621	117	17555	6.29	ug/l #	17
40) Benzene	8.007	78	1914	0.21	ug/l #	83
41) Methacrylonitrile	7.184	41	1854	1.41	ug/l #	100
51) 4-Methyl-2-Pentanone	9.952	43	35118	13.35	ug/l	99
52) Toluene	10.122	92	4199	0.74	ug/l	88
59) 2-Hexanone	10.730	43	3835	2.05	ug/l	90
67) Ethyl Benzene	11.482	91	3909	0.37	ug/l #	85
68) m/p-Xylenes	11.589	106	6526	1.64	ug/l	93
69) o-Xylene	11.917	106	2584	0.67	ug/l	89
74) N-amyl acetate	12.087	43	7818	2.25	ug/l #	33
76) 1,2,3-Trichloropropane	12.373	75	66504	22.56	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	66504	71.91	ug/l #	12
86) p-Isopropyltoluene	13.257	119	1940	0.23	ug/l #	65
95) Naphthalene	15.100	128	6396	3.90	ug/l #	85

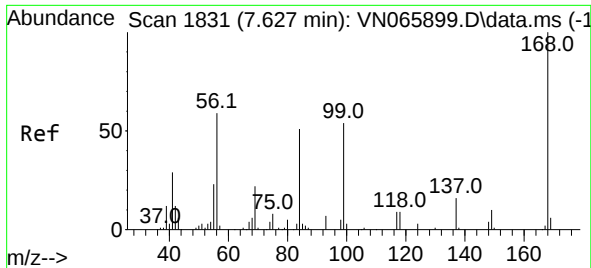
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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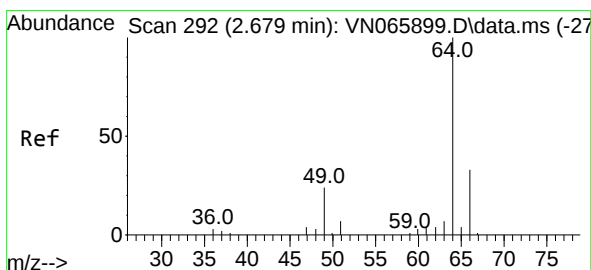
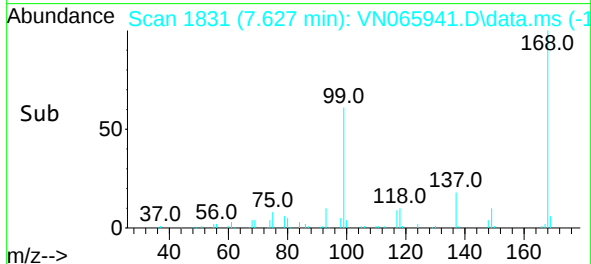
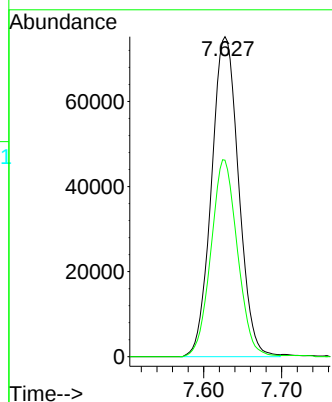
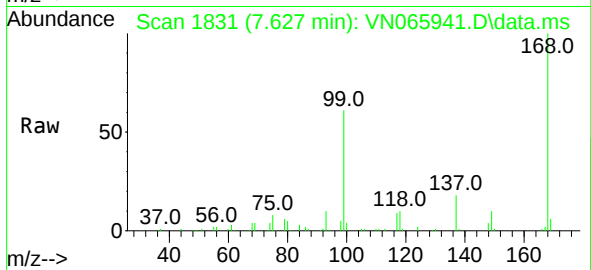




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

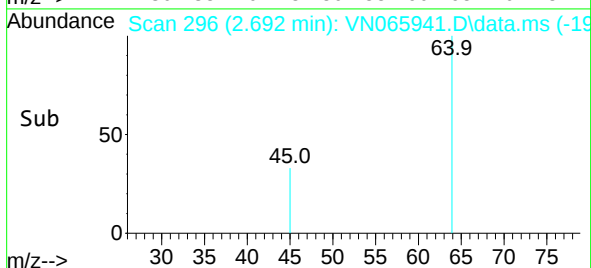
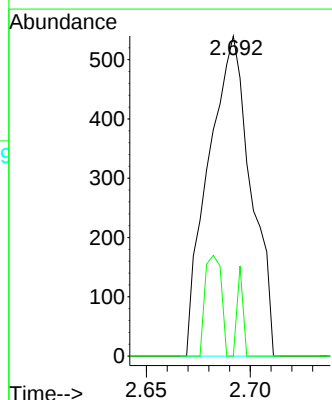
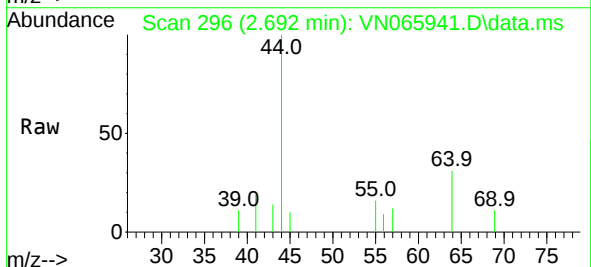
Instrument :
MSVOA_N
ClientSampleId :

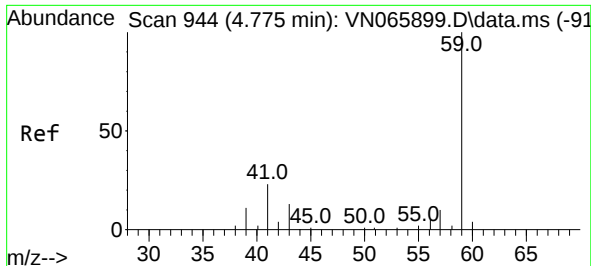
Tgt Ion:168 Resp: 182053
Ion Ratio Lower Upper
168 100
99 61.4 42.6 63.8



#6
Chloroethane
Concen: 0.46 ug/l
RT: 2.692 min Scan# 296
Delta R.T. 0.013 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Tgt Ion: 64 Resp: 769
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

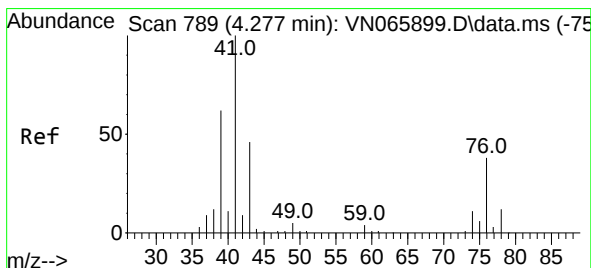
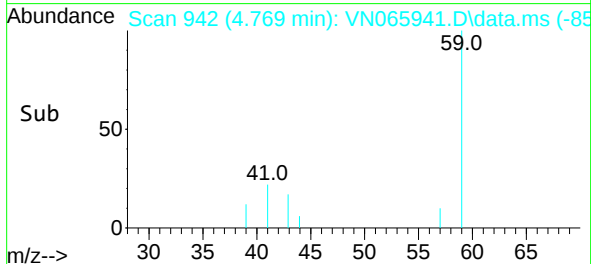
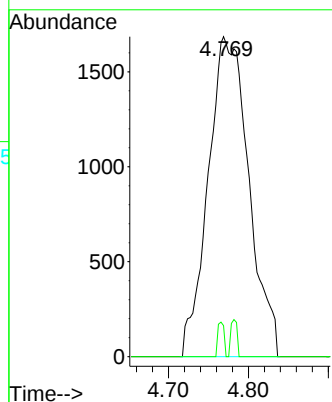
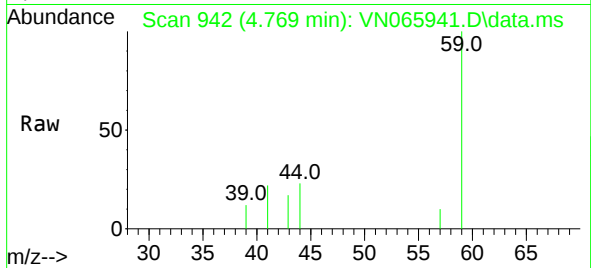




#11
Tert butyl alcohol
Concen: 16.79 ug/l
RT: 4.769 min Scan# 942
Delta R.T. -0.006 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

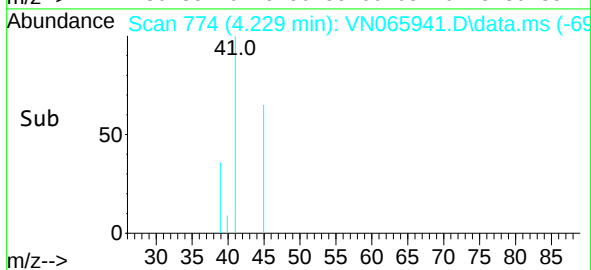
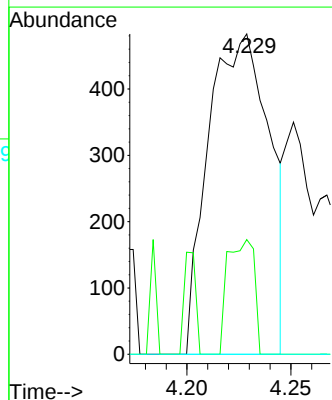
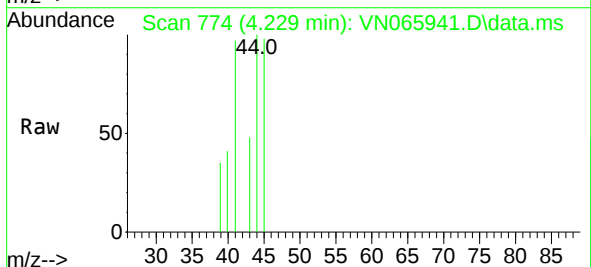
Instrument :
MSVOA_N
ClientSampled :

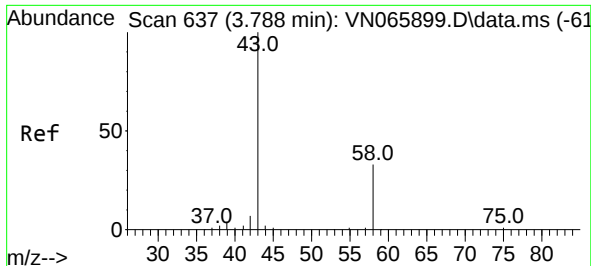
Tgt Ion: 59 Resp: 5943
Ion Ratio Lower Upper
59 100
57 1.7 8.0 12.0#



#14
Allyl chloride
Concen: 0.28 ug/l
RT: 4.229 min Scan# 774
Delta R.T. -0.048 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Tgt Ion: 41 Resp: 985
Ion Ratio Lower Upper
41 100
39 0.0 53.0 79.4#
76 0.0 28.9 43.3#

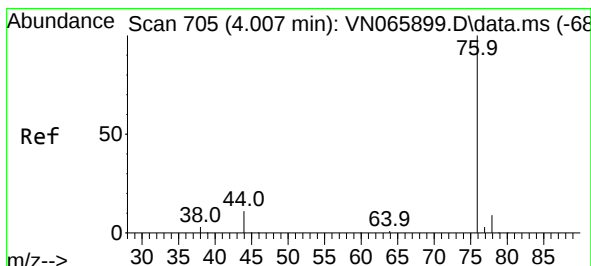
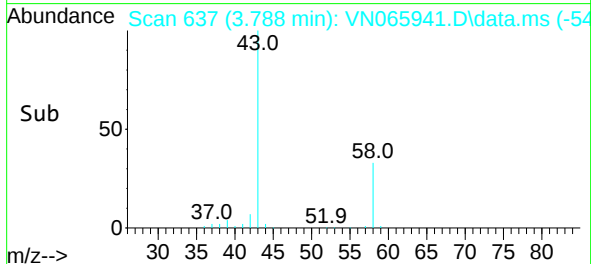
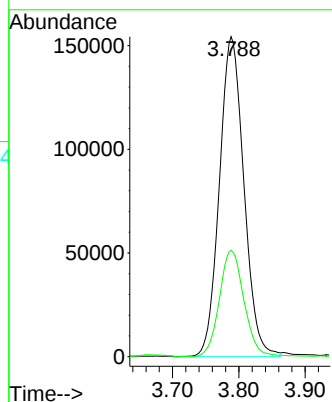
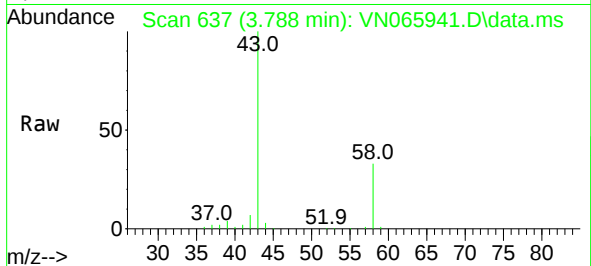




#16
Acetone
Concen: 496.17 ug/l
RT: 3.788 min Scan# 637
Delta R.T. 0.000 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

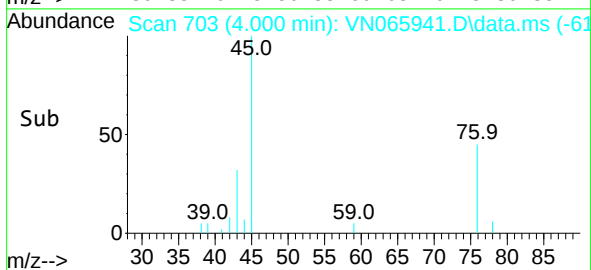
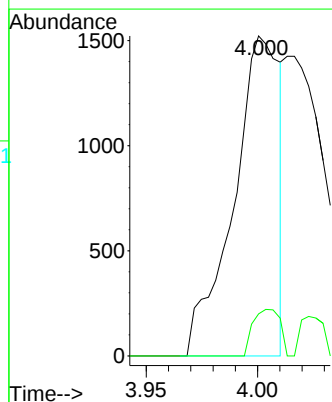
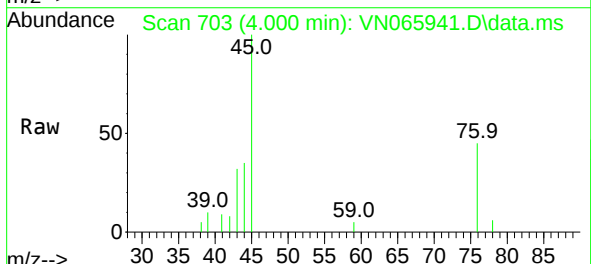
Instrument :
MSVOA_N
ClientSampled :

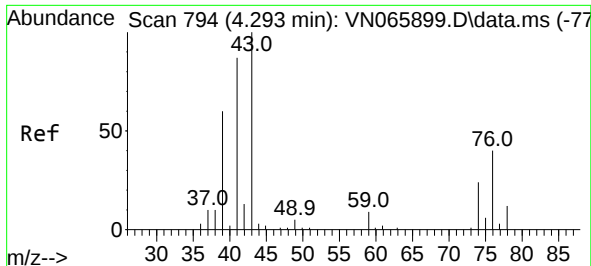
Tgt Ion: 43 Resp: 395543
Ion Ratio Lower Upper
43 100
58 33.2 27.0 40.6



#17
Carbon Disulfide
Concen: 0.38 ug/l
RT: 4.000 min Scan# 703
Delta R.T. -0.007 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Tgt Ion: 76 Resp: 2190
Ion Ratio Lower Upper
76 100
78 13.1 7.8 11.6#

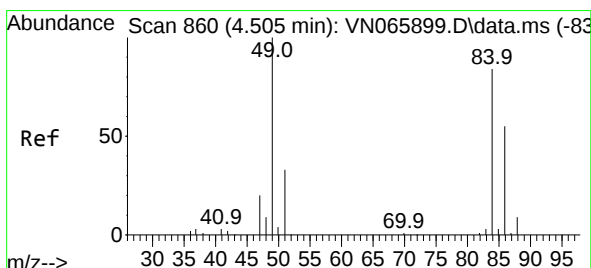
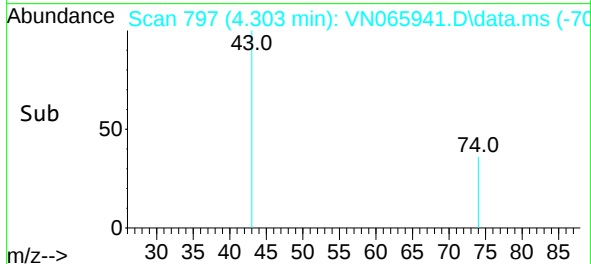
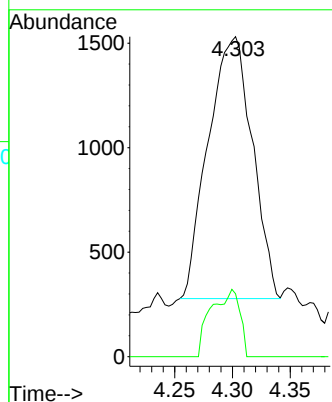
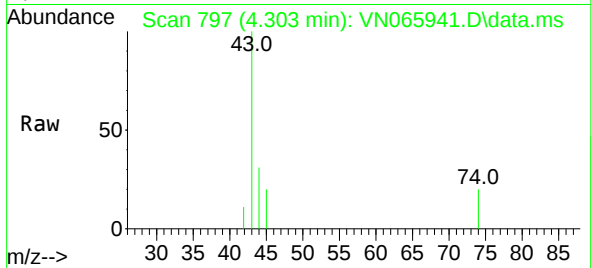




#18
Methyl Acetate
Concen: 1.58 ug/l
RT: 4.303 min Scan# 797
Delta R.T. 0.010 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

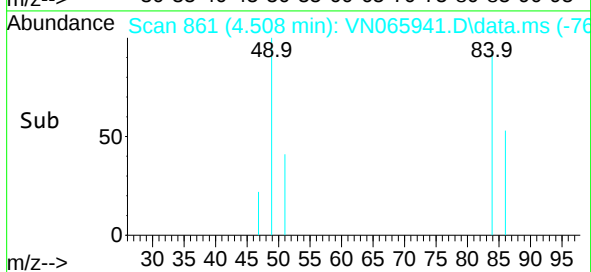
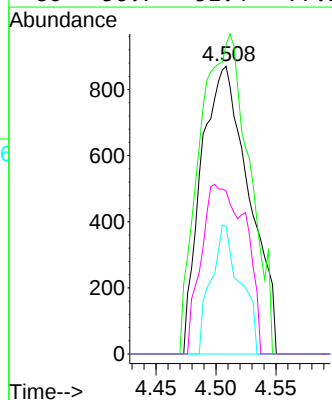
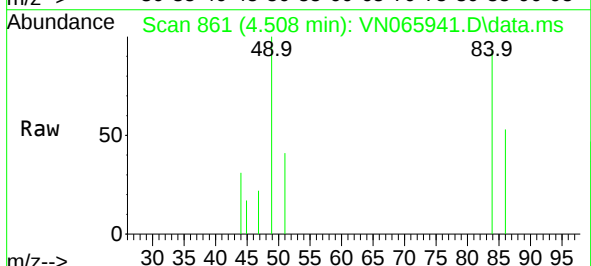
Instrument :
MSVOA_N
ClientSampled :

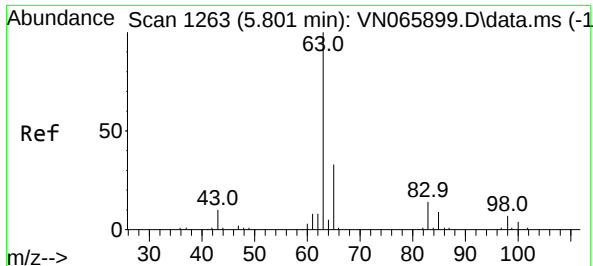
Tgt Ion: 43 Resp: 3329
Ion Ratio Lower Upper
43 100
74 16.6 19.5 29.3#



#20
Methylene Chloride
Concen: 1.02 ug/l
RT: 4.508 min Scan# 861
Delta R.T. 0.003 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Tgt Ion: 84 Resp: 2410
Ion Ratio Lower Upper
84 100
49 107.6 94.6 141.8
51 44.4 29.9 44.9
86 56.7 51.4 77.2





#24

1,1-Dichloroethane

Concen: 1.91 ug/l

RT: 5.804 min Scan# 1264

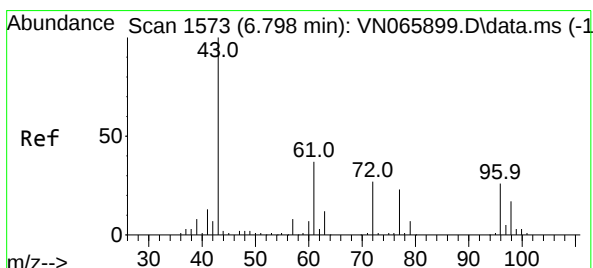
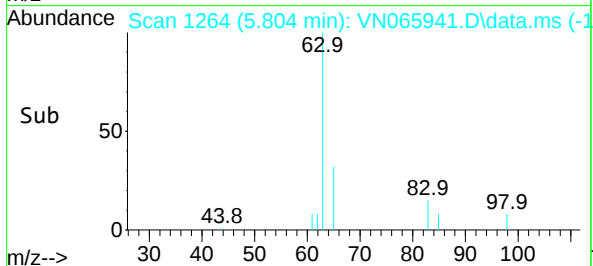
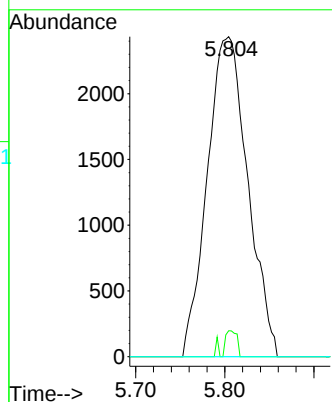
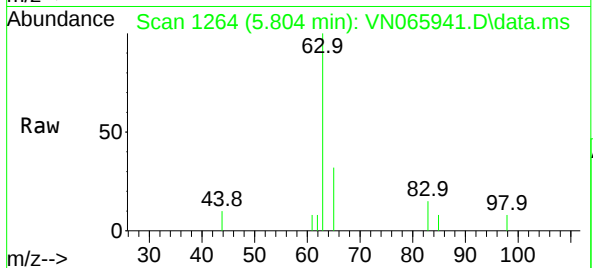
Delta R.T. 0.003 min

Lab File: VN065941.D

Acq: 18 Feb 2021 15:25

Tgt Ion:	63	Resp:	7686
Ion Ratio	Lower	Upper	
63	100		
98	8.1	3.5	10.4
100	0.0	2.3	6.9#

Instrument :
MSVOA_N
ClientSampled :



#25

2-Butanone

Concen: 31.57 ug/l

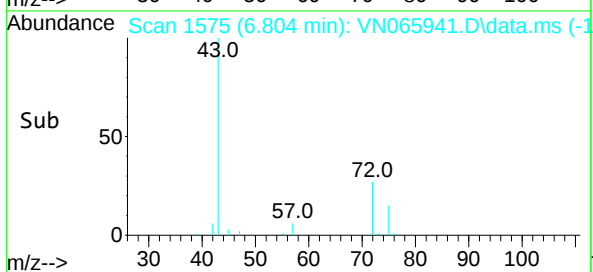
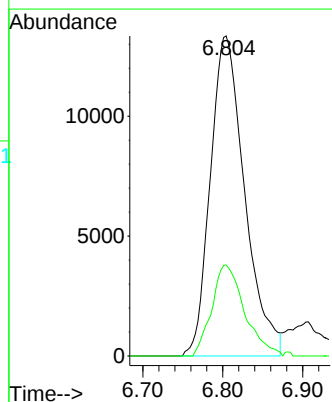
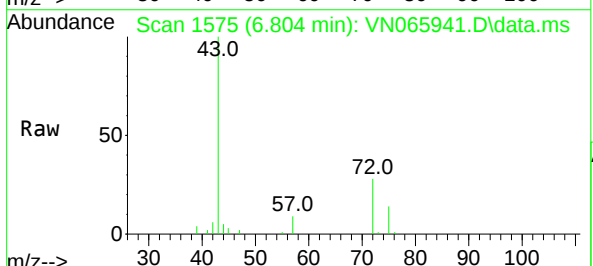
RT: 6.804 min Scan# 1575

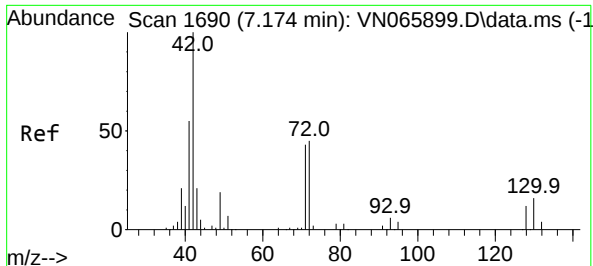
Delta R.T. 0.006 min

Lab File: VN065941.D

Acq: 18 Feb 2021 15:25

Tgt Ion:	43	Resp:	39791
Ion Ratio	Lower	Upper	
43	100		
72	28.4	23.1	34.7





#29

Tetrahydrofuran

Concen: 0.53 ug/l

RT: 7.180 min Scan# 1692

Delta R.T. 0.006 min

Lab File: VN065941.D

Acq: 18 Feb 2021 15:25

Tgt Ion: 42 Resp: 461

Ion Ratio Lower Upper

42 100

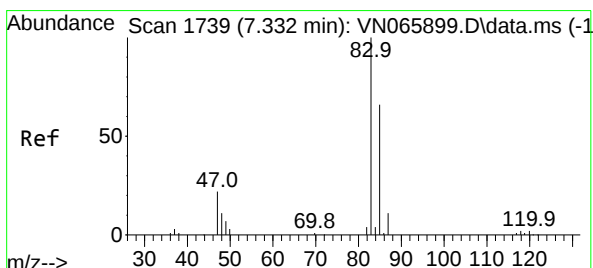
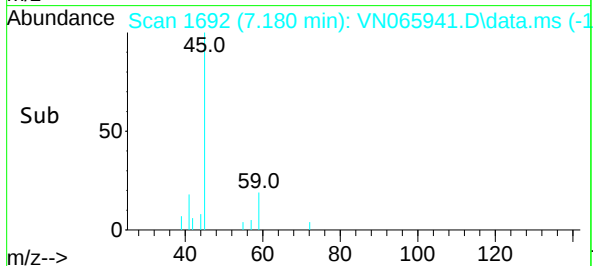
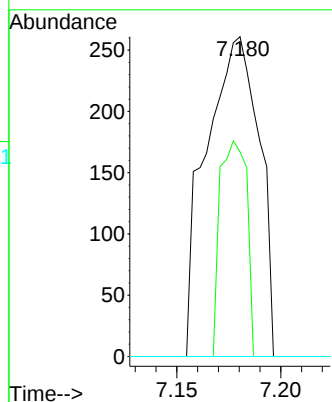
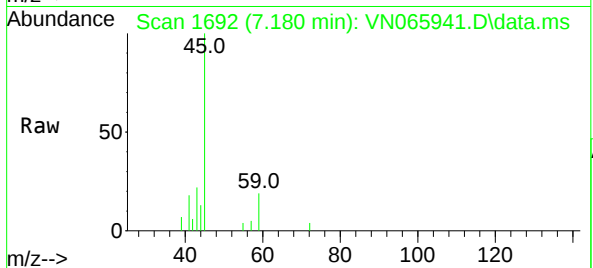
72 34.1 36.6 55.0#

71 0.0 34.3 51.5#

Instrument :

MSVOA_N

ClientSampled :



#30

Chloroform

Concen: 0.24 ug/l

RT: 7.341 min Scan# 1742

Delta R.T. 0.009 min

Lab File: VN065941.D

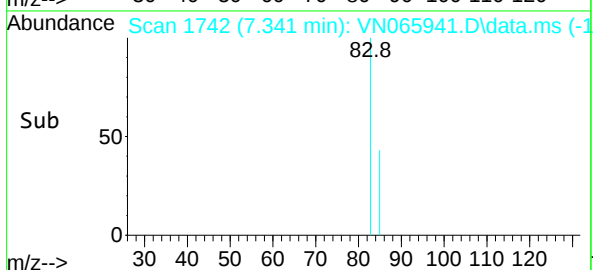
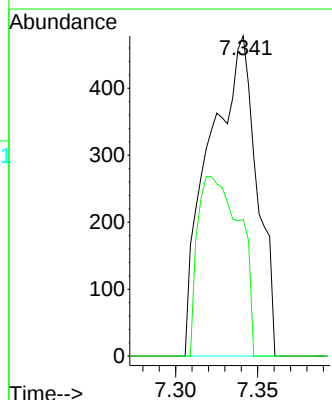
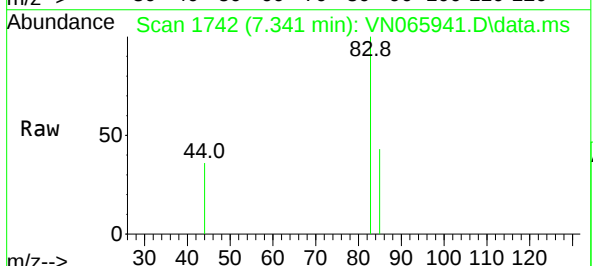
Acq: 18 Feb 2021 15:25

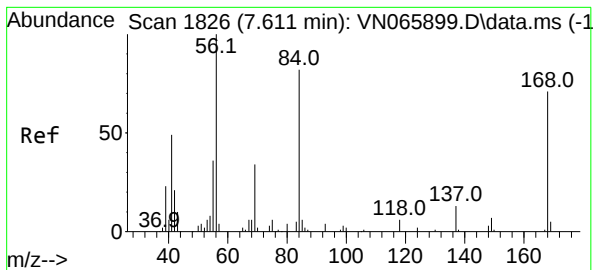
Tgt Ion: 83 Resp: 960

Ion Ratio Lower Upper

83 100

85 42.7 52.6 78.8#





#31

Cyclohexane

Concen: 0.96 ug/l

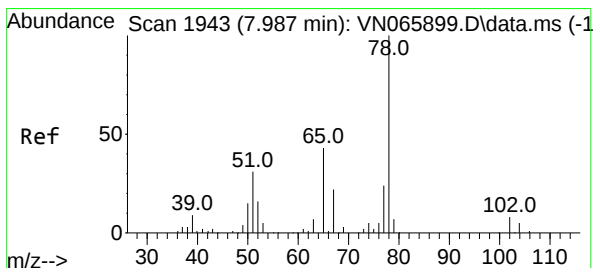
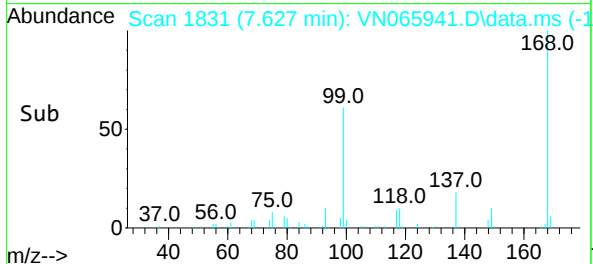
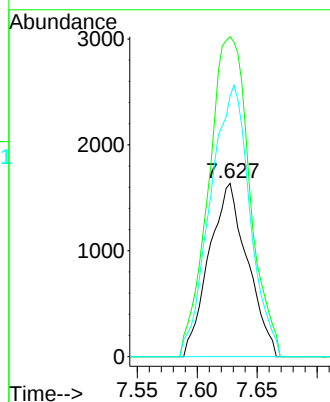
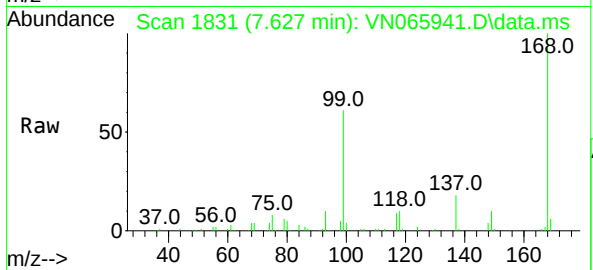
RT: 7.627 min Scan# 1831

Delta R.T. 0.016 min

Lab File: VN065941.D

Acq: 18 Feb 2021 15:25

Tgt Ion: 56	Resp: 3644
Ion Ratio	Lower Upper
56	100
69	184.6 26.6 39.8#
84	150.5 70.4 105.6#



#33

1,2-Dichloroethane-d4

Concen: 46.94 ug/l

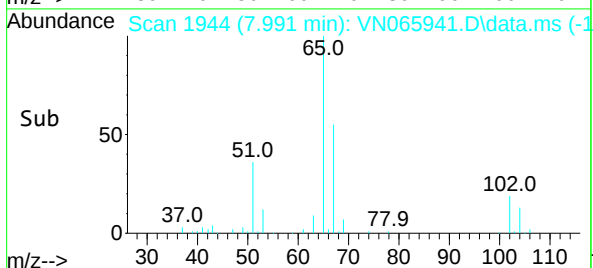
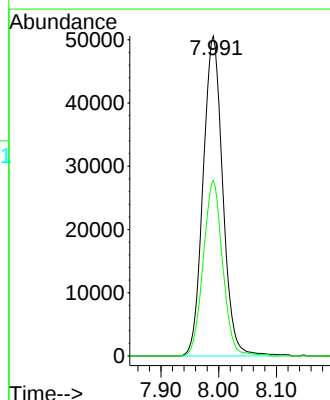
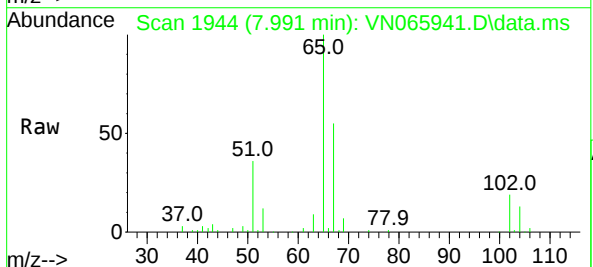
RT: 7.991 min Scan# 1944

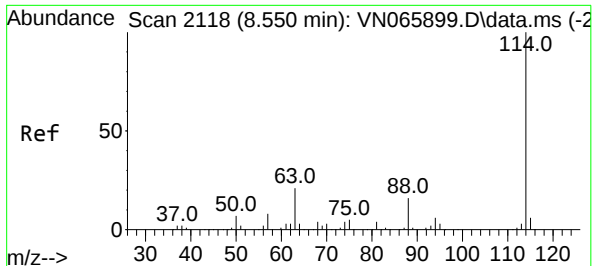
Delta R.T. 0.004 min

Lab File: VN065941.D

Acq: 18 Feb 2021 15:25

Tgt Ion: 65	Resp: 119499
Ion Ratio	Lower Upper
65	100
67	54.0 0.0 107.2

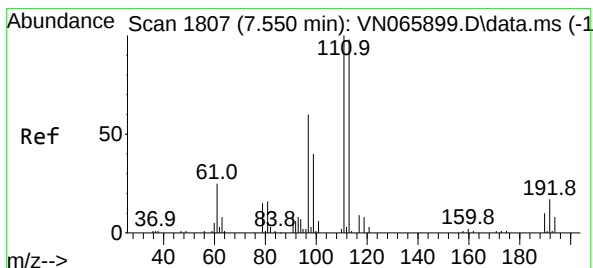
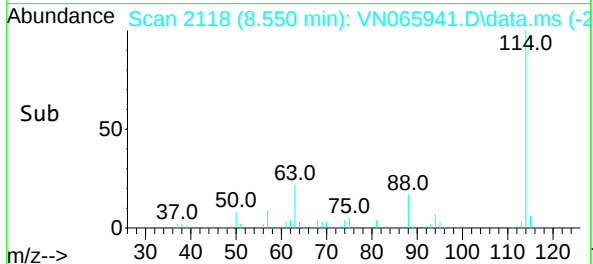
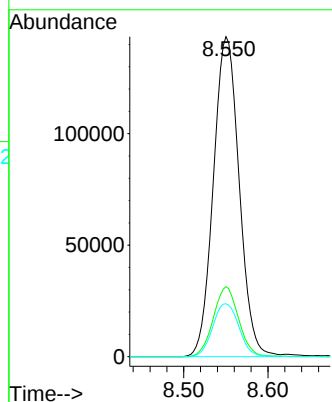
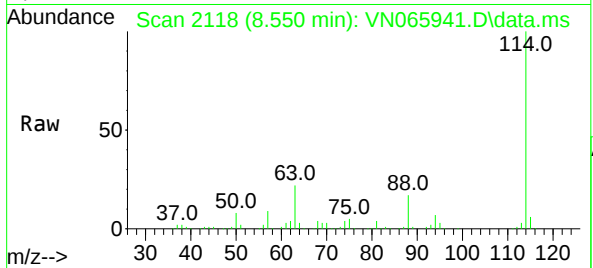




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

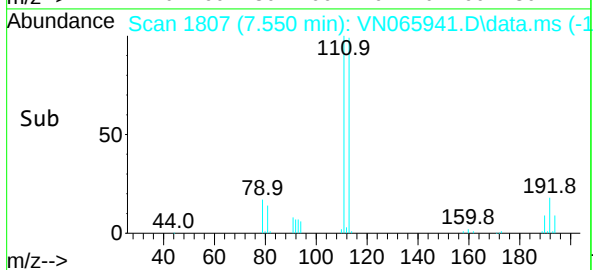
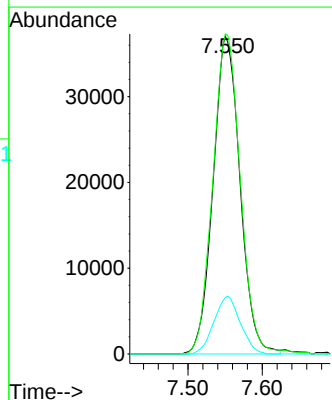
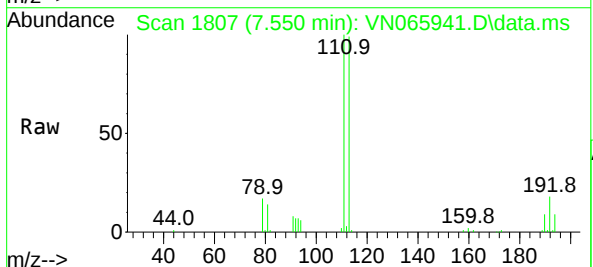
Instrument :
MSVOA_N
ClientSampled :

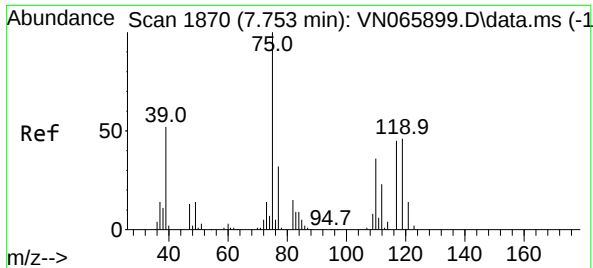
Tgt Ion:114 Resp: 304689
Ion Ratio Lower Upper
114 100
63 21.9 0.0 38.6
88 16.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.31 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

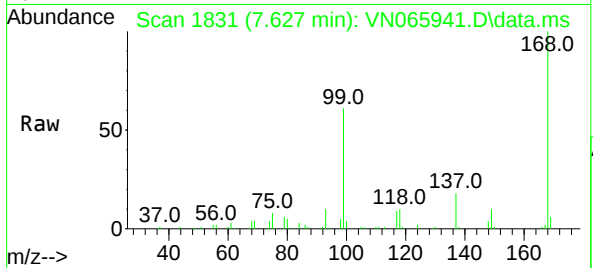
Tgt Ion:113 Resp: 92986
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 17.8 15.4 23.0



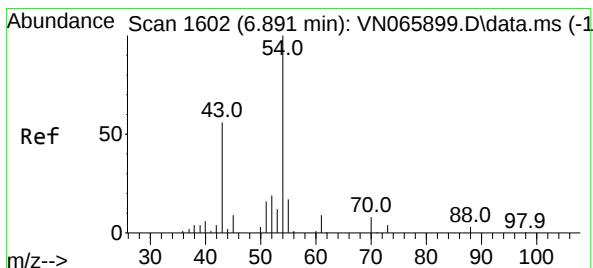
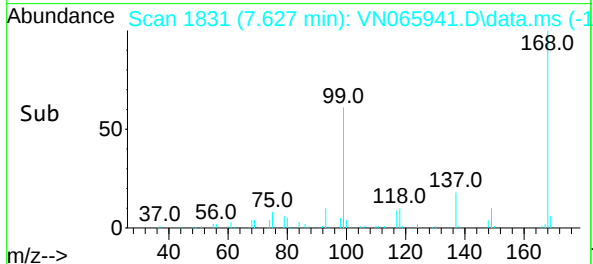
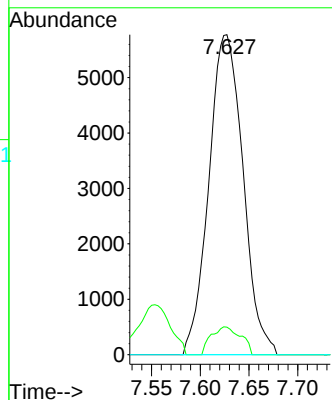


#36
1,1-Dichloropropene
Concen: 4.69 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Instrument :
MSVOA_N
ClientSampled :

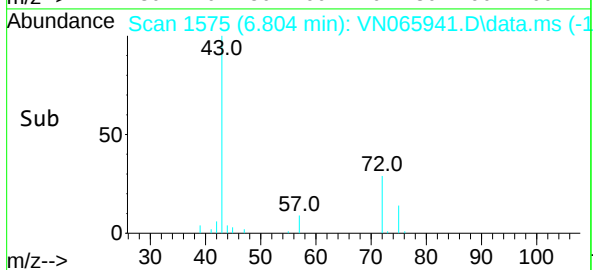
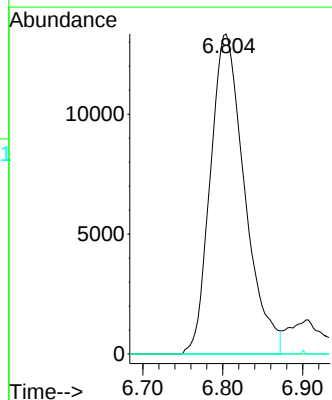
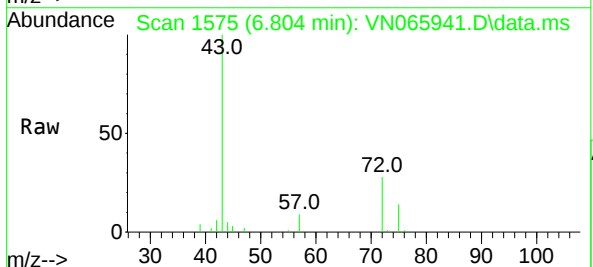


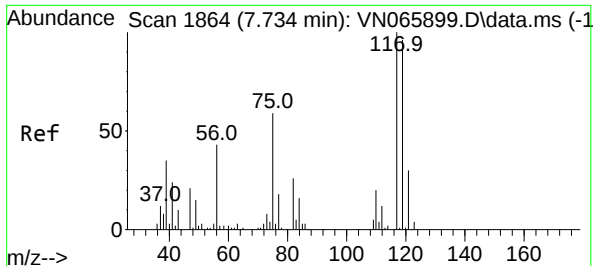
Tgt Ion: 75 Resp: 14091
Ion Ratio Lower Upper
75 100
110 7.5 18.2 54.6#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 14.67 ug/l
RT: 6.804 min Scan# 1575
Delta R.T. -0.087 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

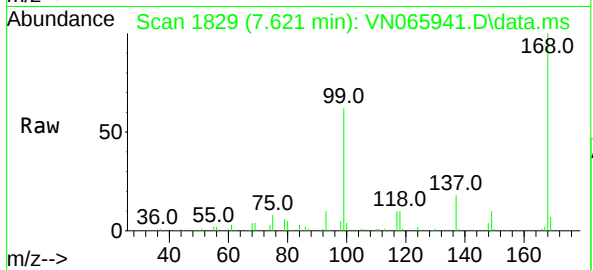
Tgt Ion: 43 Resp: 39791
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



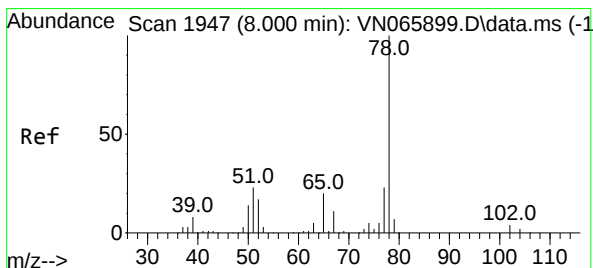
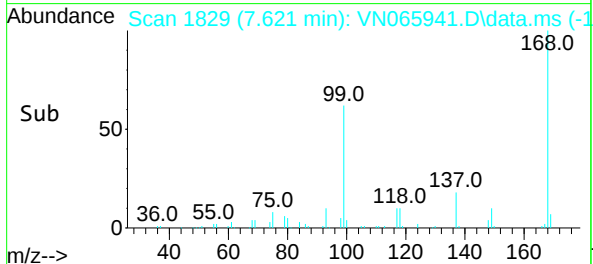
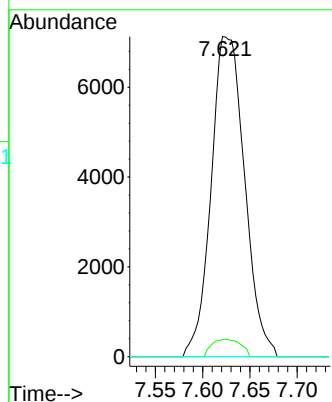


#38
Carbon Tetrachloride
Concen: 6.29 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.113 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Instrument :
MSVOA_N
ClientSampled :

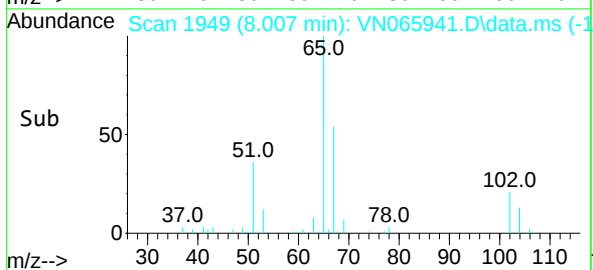
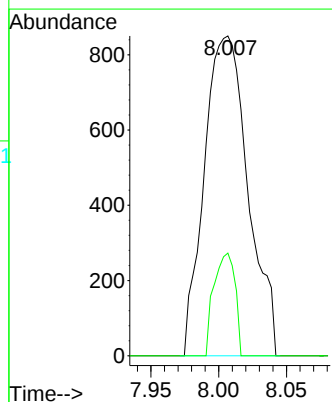
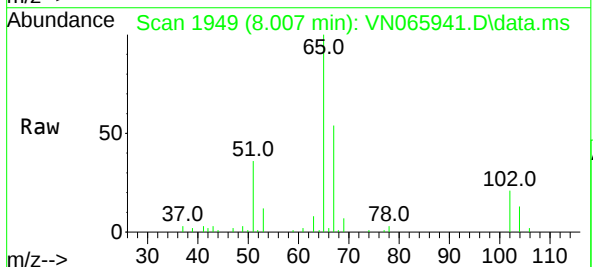


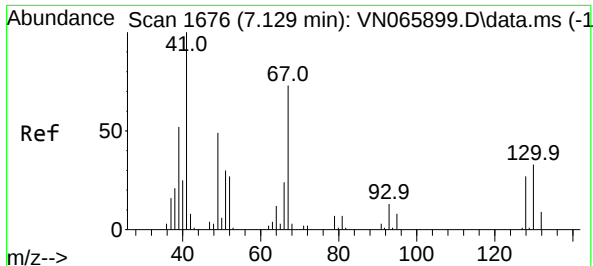
Tgt Ion:117 Resp: 17555
Ion Ratio Lower Upper
117 100
119 5.3 76.0 114.0#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 0.21 ug/l
RT: 8.007 min Scan# 1949
Delta R.T. 0.007 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Tgt Ion: 78 Resp: 1914
Ion Ratio Lower Upper
78 100
77 32.1 19.0 28.4#

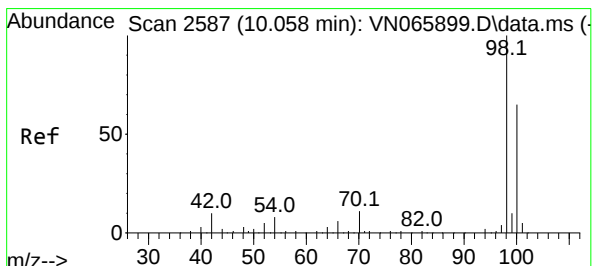
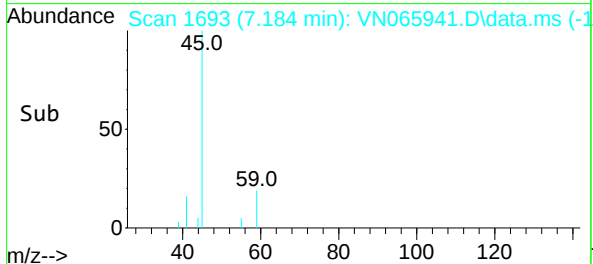
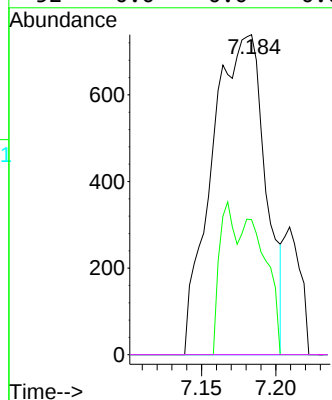
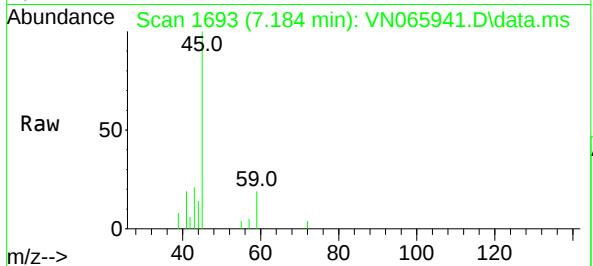




#41
Methacrylonitrile
Concen: 1.41 ug/l
RT: 7.184 min Scan# 1693
Delta R.T. 0.055 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

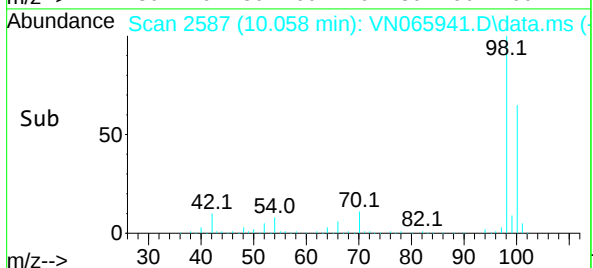
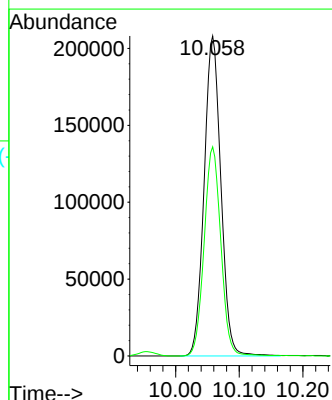
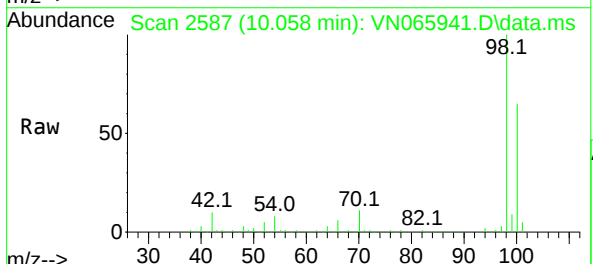
Instrument :
MSVOA_N
ClientSampleId :

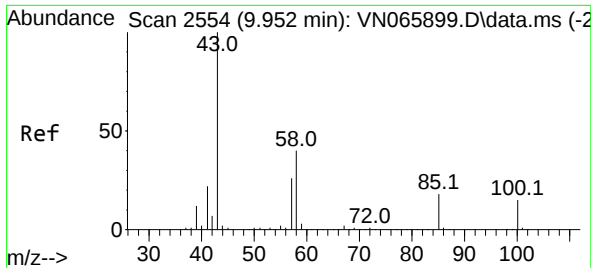
Tgt Ion: 41	Resp: 1854
Ion Ratio	Lower Upper
41 100	
39 14.9	0.0 0.0#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#50
Toluene-d8
Concen: 49.21 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Tgt Ion: 98	Resp: 380942
Ion Ratio	Lower Upper
98 100	
100 65.0	50.5 75.7

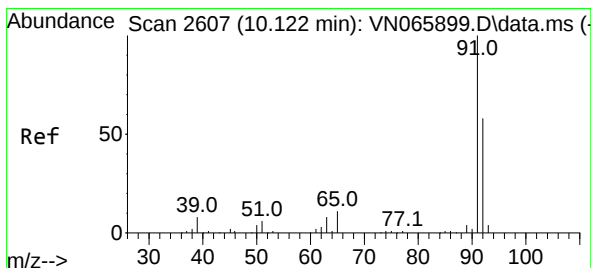
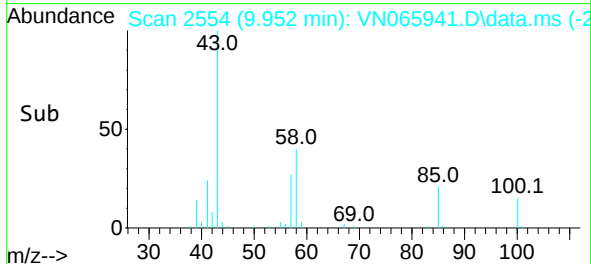
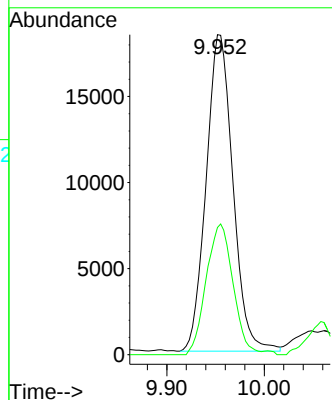
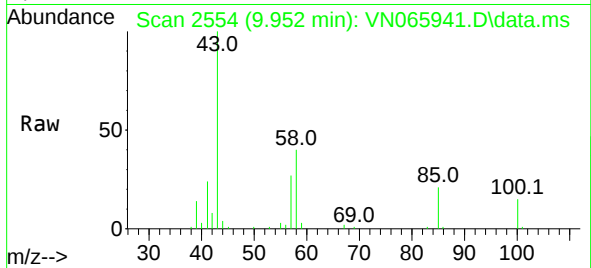




#51
4-Methyl-2-Pentanone
Concen: 13.35 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

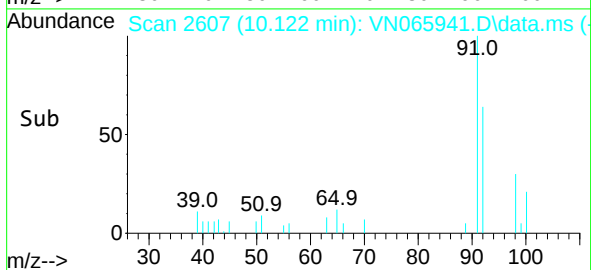
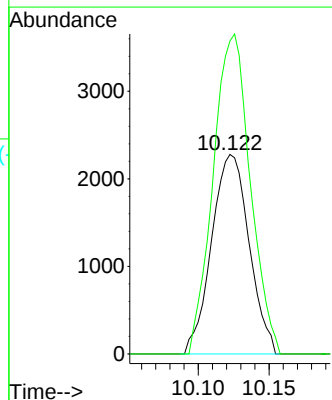
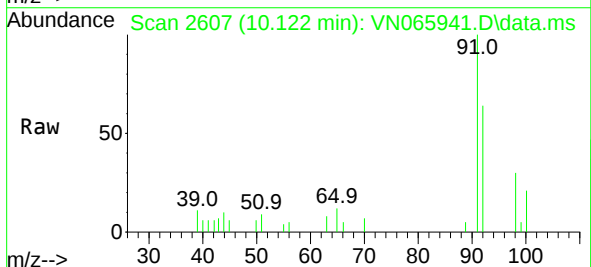
Instrument :
MSVOA_N
ClientSampled :

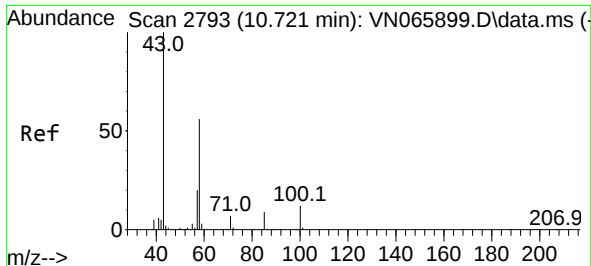
Tgt Ion: 43 Resp: 35118
Ion Ratio Lower Upper
43 100
58 41.2 32.5 48.7



#52
Toluene
Concen: 0.74 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Tgt Ion: 92 Resp: 4199
Ion Ratio Lower Upper
92 100
91 158.6 140.7 211.1

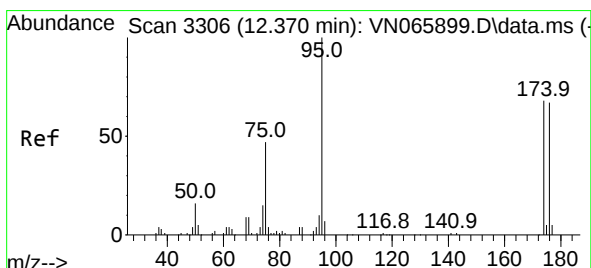
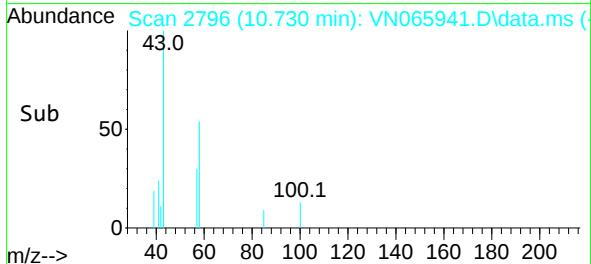
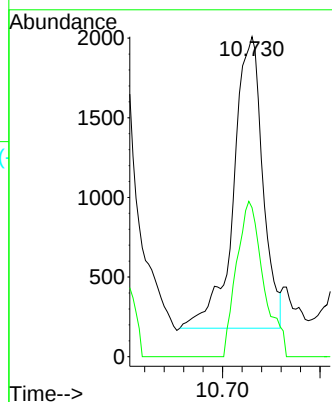
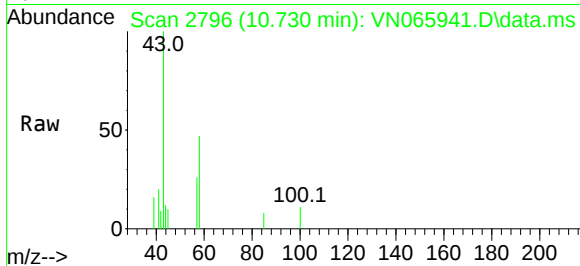




#59
2-Hexanone
Concen: 2.05 ug/l
RT: 10.730 min Scan# 2796
Delta R.T. 0.009 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

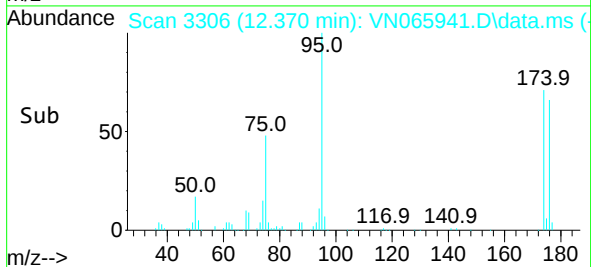
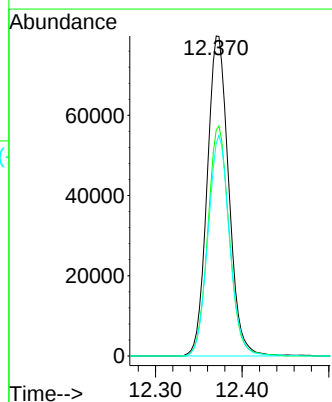
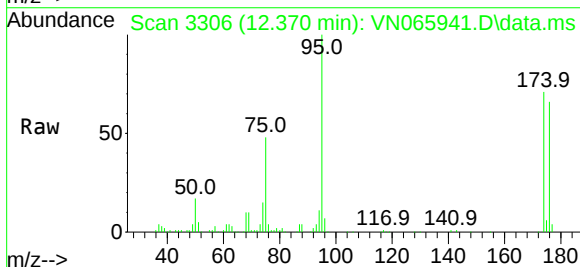
Instrument :
MSVOA_N
ClientSampleId :

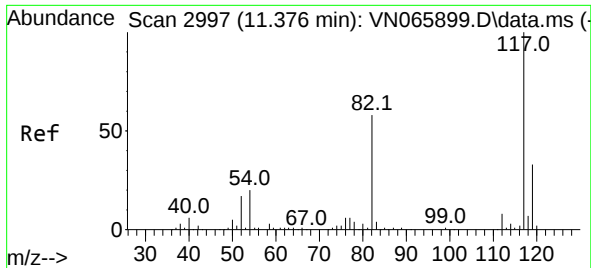
Tgt Ion: 43 Resp: 3835
Ion Ratio Lower Upper
43 100
58 48.9 28.1 84.3



#62
4-Bromofluorobenzene
Concen: 47.39 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.000 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Tgt Ion: 95 Resp: 137697
Ion Ratio Lower Upper
95 100
174 71.6 0.0 169.0
176 68.8 0.0 162.4

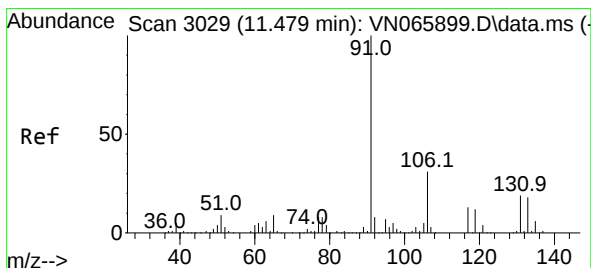
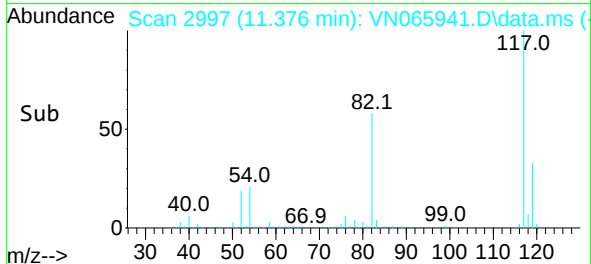
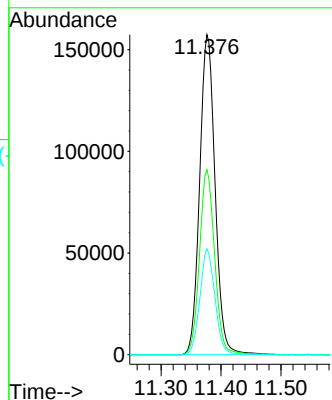
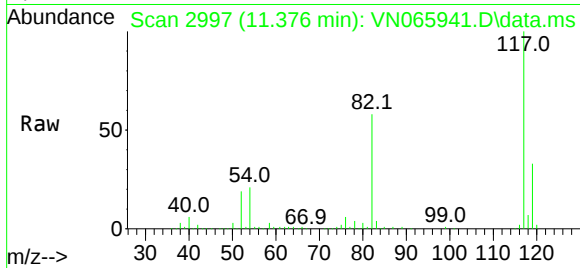




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

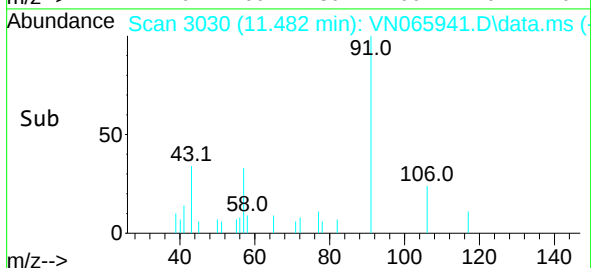
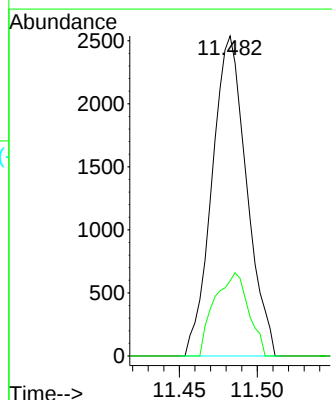
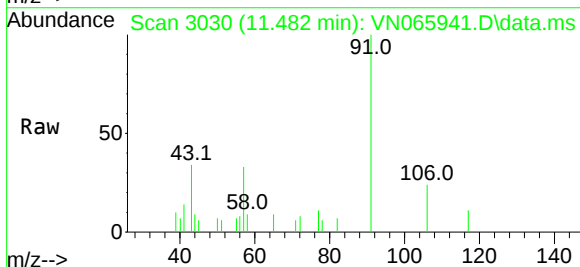
Instrument :
MSVOA_N
ClientSampleId :

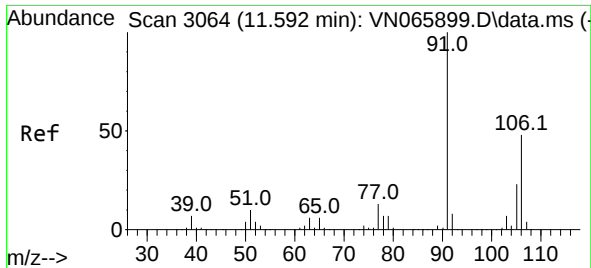
Tgt Ion:117 Resp: 282358
Ion Ratio Lower Upper
117 100
82 57.8 43.7 65.5
119 33.1 26.1 39.1



#67
Ethyl Benzene
Concen: 0.37 ug/l
RT: 11.482 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Tgt Ion: 91 Resp: 3909
Ion Ratio Lower Upper
91 100
106 23.5 25.5 38.3#

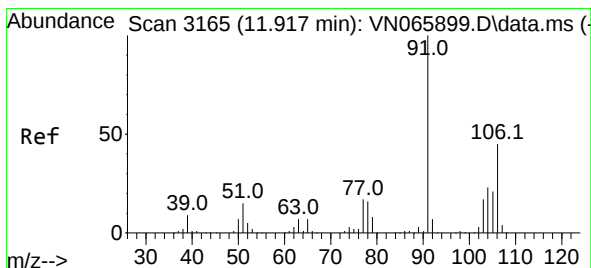
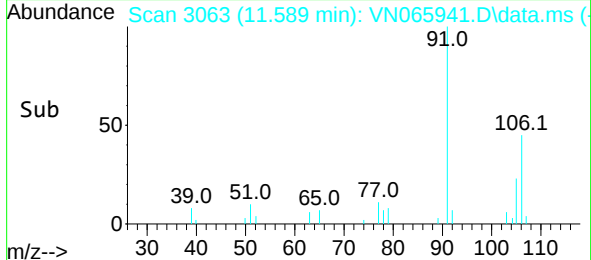
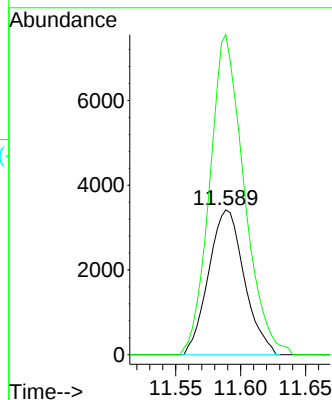
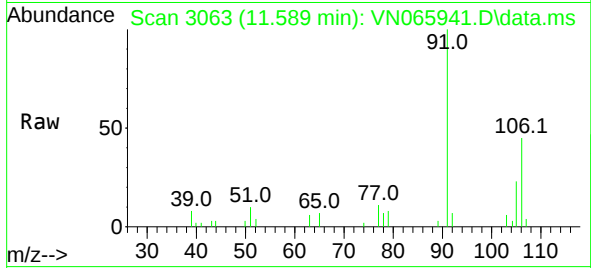




#68
m/p-Xylenes
Concen: 1.64 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.003 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

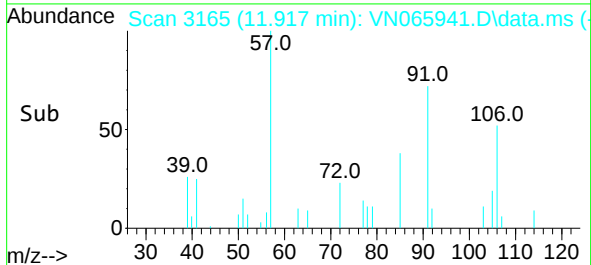
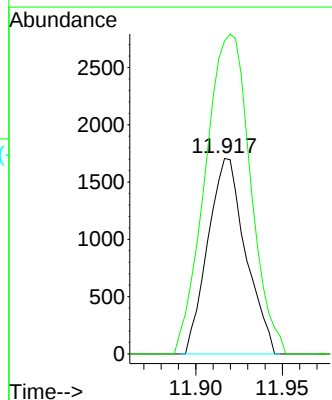
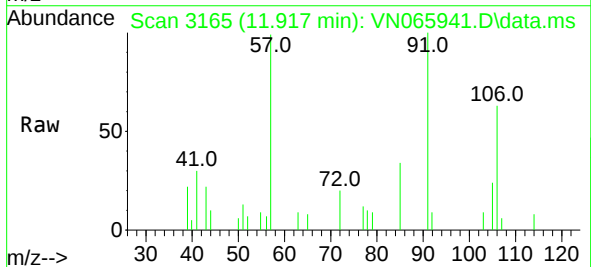
Instrument :
MSVOA_N
ClientSampleId :

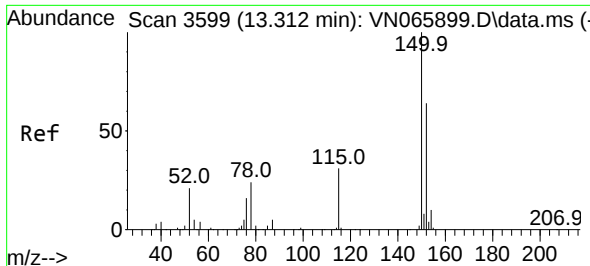
Tgt Ion:106 Resp: 6526
Ion Ratio Lower Upper
106 100
91 213.0 161.4 242.0



#69
o-Xylene
Concen: 0.67 ug/l
RT: 11.917 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Tgt Ion:106 Resp: 2584
Ion Ratio Lower Upper
106 100
91 195.9 106.8 320.4

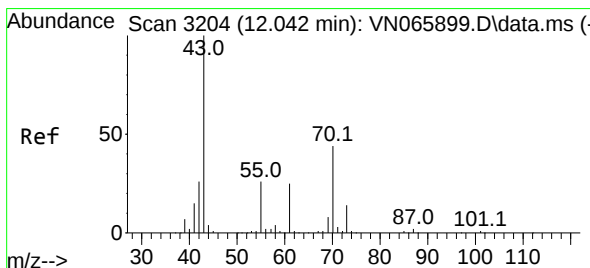
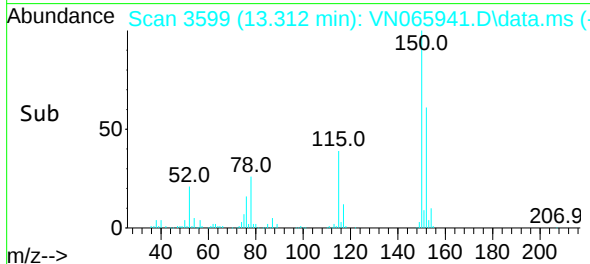
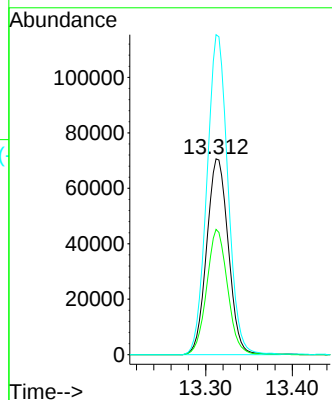
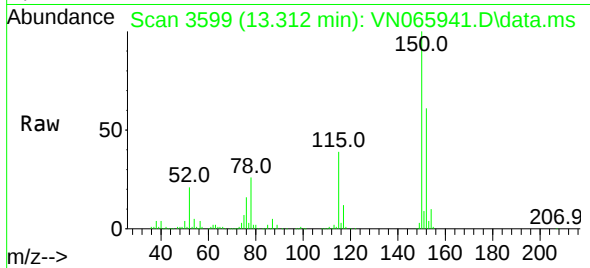




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. -0.000 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

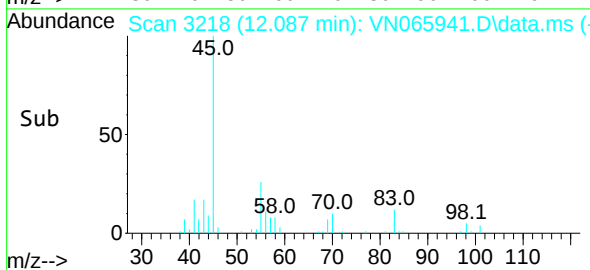
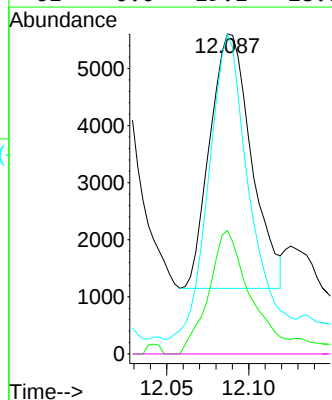
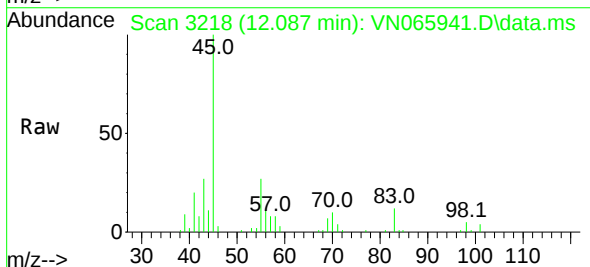
Instrument :
MSVOA_N
ClientSampled :

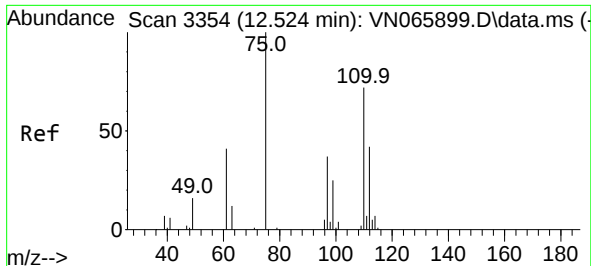
Tgt Ion:152 Resp: 122684
Ion Ratio Lower Upper
152 100
115 61.5 28.5 85.6
150 158.8 0.0 347.6



#74
N-ethyl acetate
Concen: 2.25 ug/l
RT: 12.087 min Scan# 3218
Delta R.T. 0.045 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Tgt Ion: 43 Resp: 7818
Ion Ratio Lower Upper
43 100
70 48.8 34.4 51.6
55 116.9 20.7 31.1#
61 0.0 19.1 28.7#

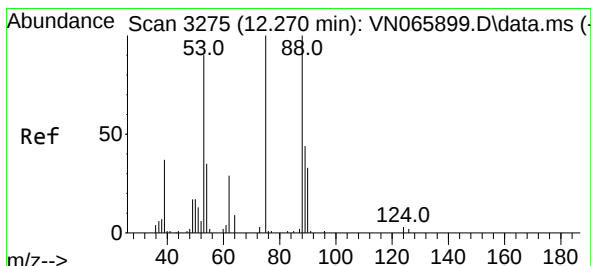
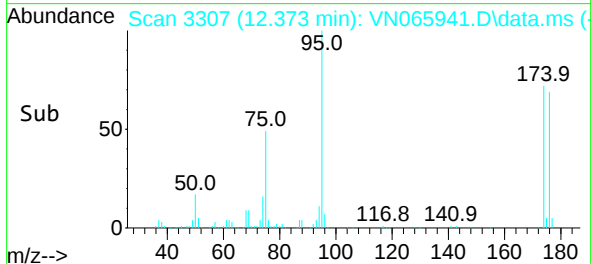
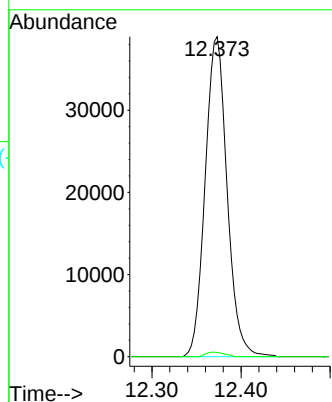
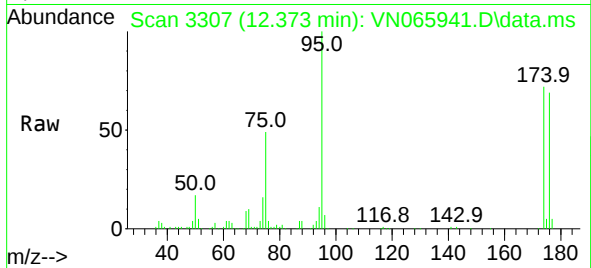




#76
1,2,3-Trichloropropane
Concen: 22.56 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

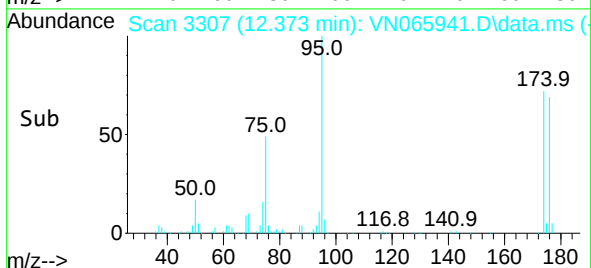
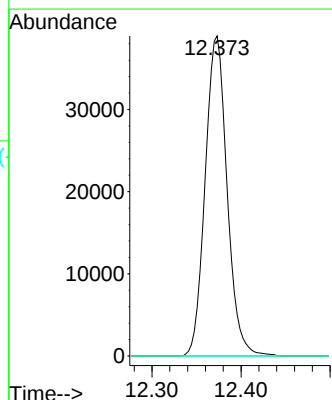
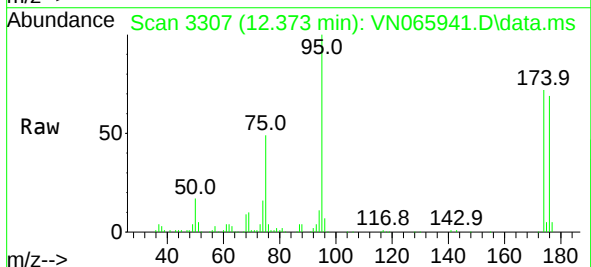
Instrument :
MSVOA_N
ClientSampled :

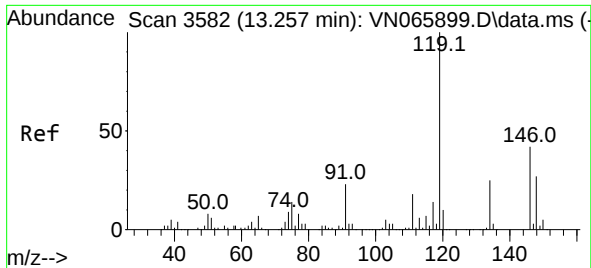
Tgt Ion: 75 Resp: 66504
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.91 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Tgt Ion: 75 Resp: 66504
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

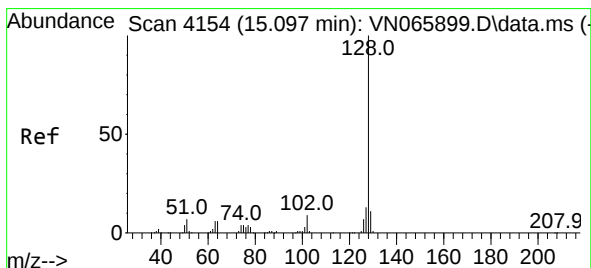
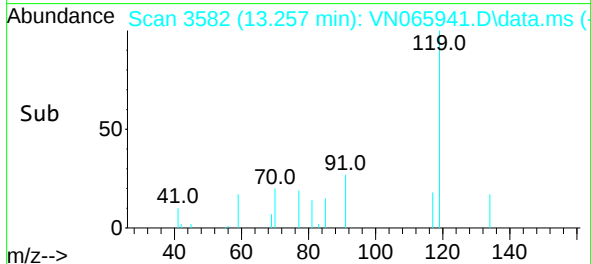
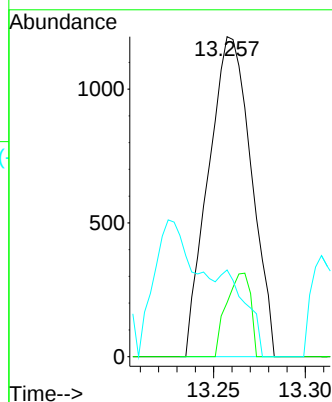
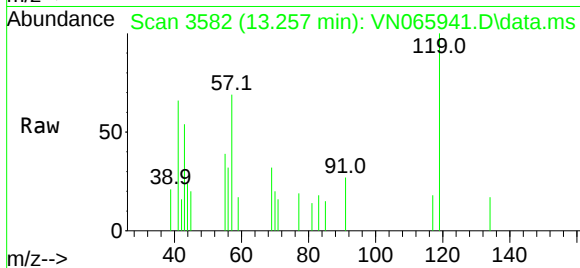




#86
p-Isopropyltoluene
Concen: 0.23 ug/l
RT: 13.257 min Scan# 3582
Delta R.T. 0.000 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:119 Resp: 1940
Ion Ratio Lower Upper
119 100
134 14.6 13.3 39.8
91 0.0 11.8 35.3#



#95
Naphthalene
Concen: 3.90 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.003 min
Lab File: VN065941.D
Acq: 18 Feb 2021 15:25

Tgt Ion:128 Resp: 6396
Ion Ratio Lower Upper
128 100
127 19.8 10.2 15.2#
129 14.9 8.6 13.0#

