

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060934.D
 Acq On : 14 Apr 2020 15:30
 Operator : JC/MD
 Sample : L2129-40
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Quant Time: Apr 15 07:46:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	151583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	255796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	240880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	106947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	100763	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	7.56	113	75536	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
50) Toluene-d8	10.08	98	316946	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	119511	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds

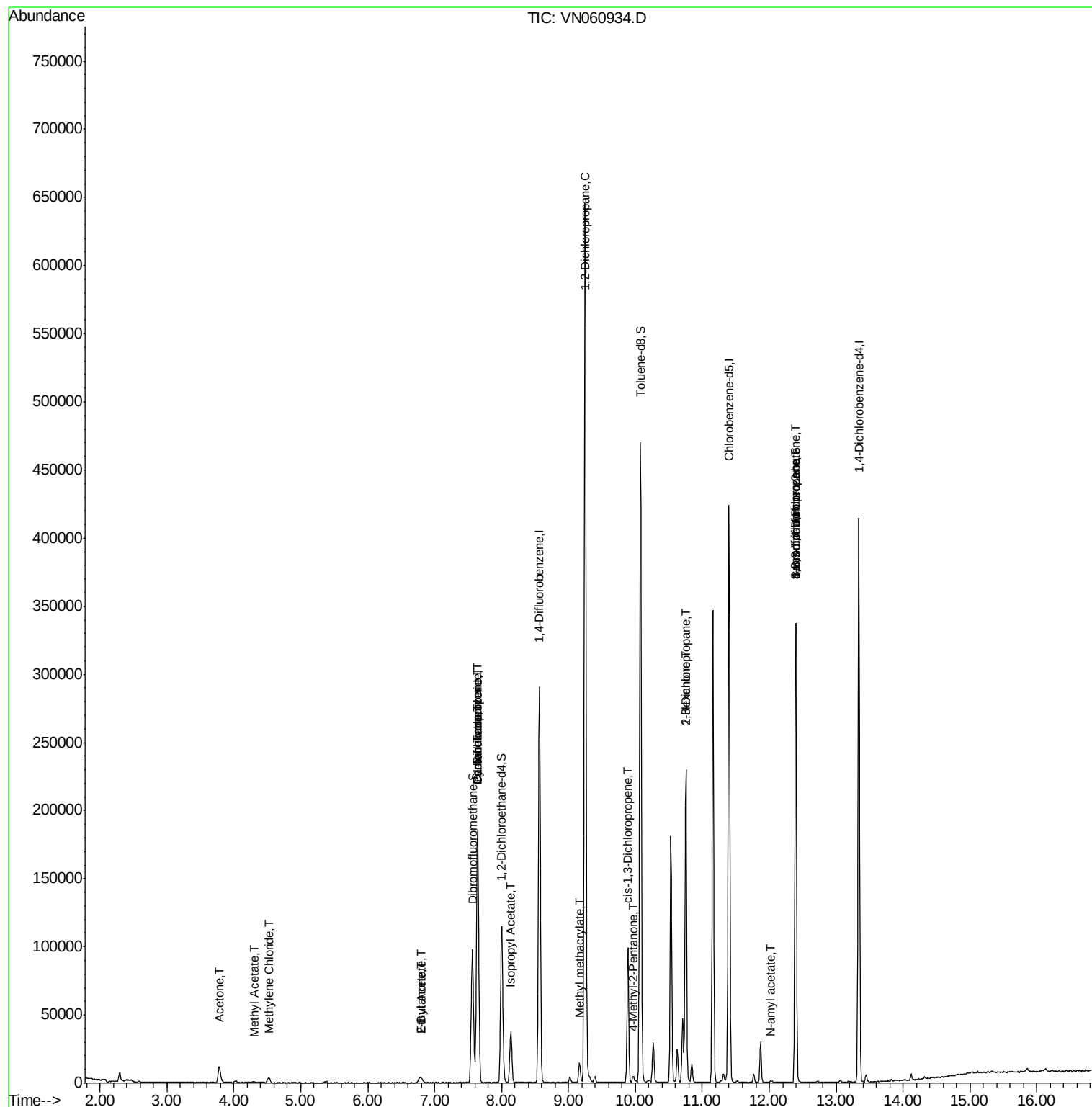
					Qvalue	
16) Acetone	3.78	43	20694	28.075	ug/l	96
18) Methyl Acetate	4.29	43	1493	0.720	ug/l #	54
20) Methylene Chloride	4.52	84	2825	1.558	ug/l #	93
25) 2-Butanone	6.81	43	6281	5.266	ug/l	98
31) Cyclohexane	7.64	56	3107	0.927	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12017	4.852	ug/l #	49
37) Ethyl Acetate	6.81	43	6281	2.347	ug/l #	70
38) Carbon Tetrachloride	7.64	117	14924	6.723	ug/l #	15
43) Isopropyl Acetate	8.14	43	45649	10.342	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	716	0.363	ug/l #	43
48) Methyl methacrylate	9.16	41	2135	1.086	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3132	1.247	ug/l	95
54) cis-1,3-Dichloropropene	9.89	75	17543	5.617	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2192	0.727	ug/l #	42
59) 2-Hexanone	10.75	43	34393	19.009	ug/l #	51
71) Bromoform	12.40	173	795	2.215	ug/l #	1
74) N-amyl acetate	12.02	43	1902	0.513	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	60759	26.329	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	60759	67.620	ug/l #	13

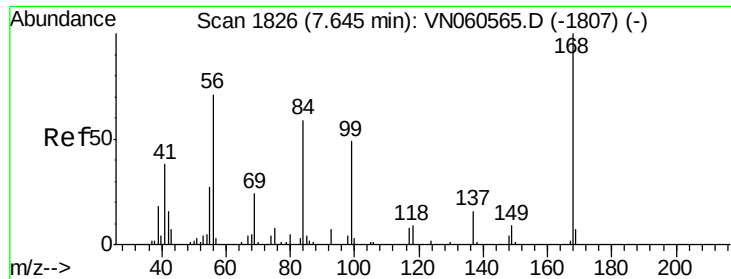
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060934.D

Acq: 14 Apr 2020 15:30

Instrument :

MSVOA_N

ClientSampled :

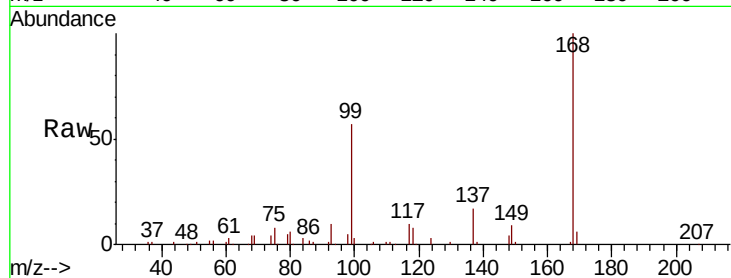
TP-10

Tot Ion:168 Resp: 151583

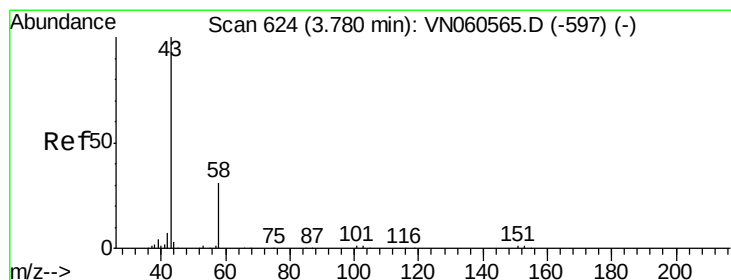
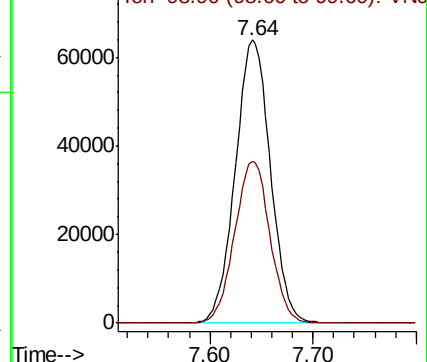
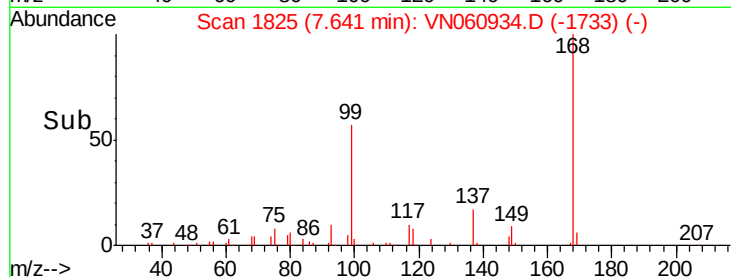
Ion Ratio Lower Upper

168 100

99 57.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060934.D (-1733) (-)



#16

Acetone

Concen: 28.075 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060934.D

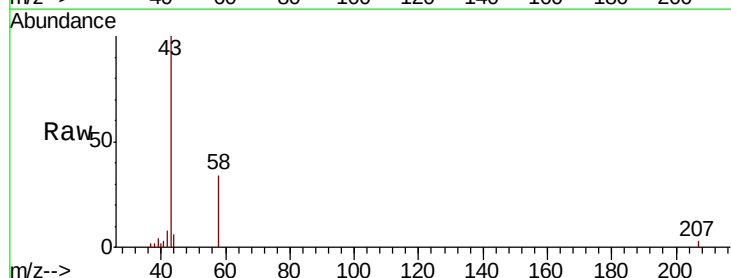
Acq: 14 Apr 2020 15:30

Tgt Ion: 43 Resp: 20694

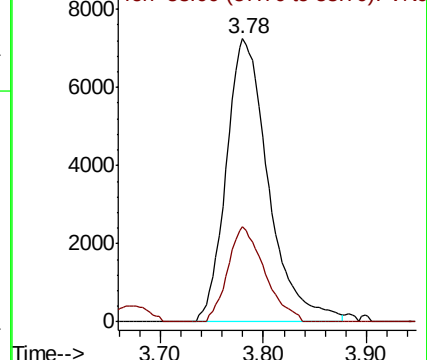
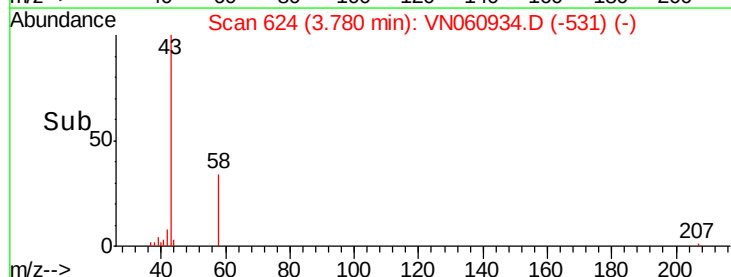
Ion Ratio Lower Upper

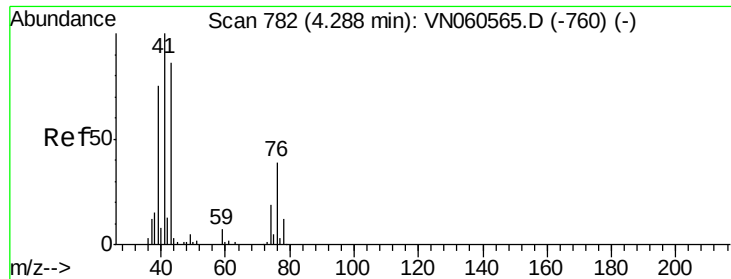
43 100

58 33.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060934.D (-531) (-)

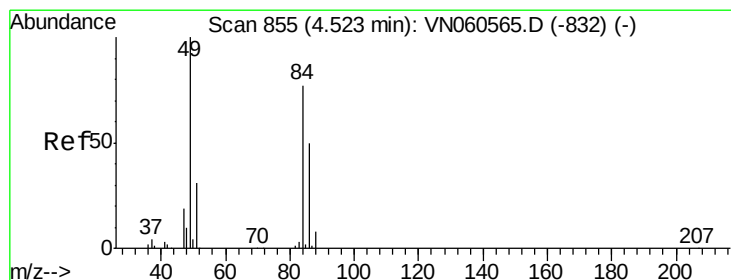
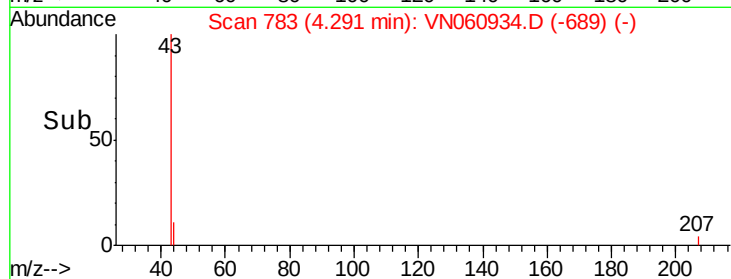
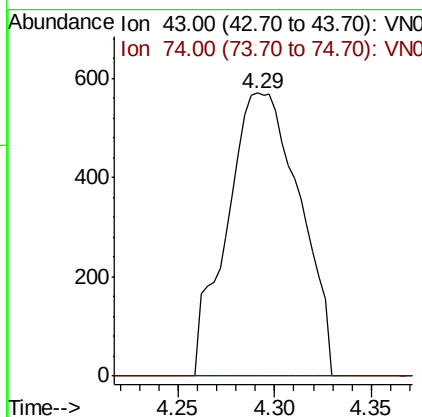
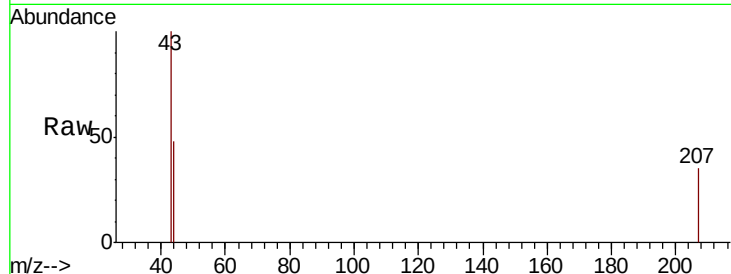




#18
Methyl Acetate
Concen: 0.720 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060934.D
Acq: 14 Apr 2020 15:30

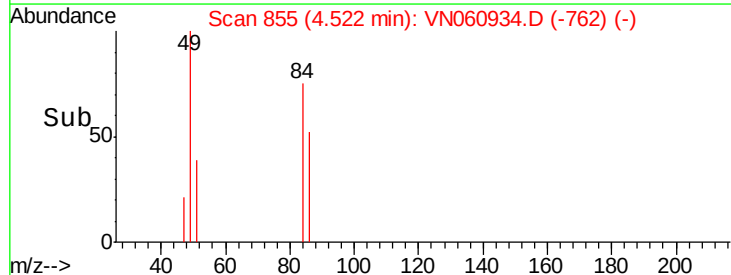
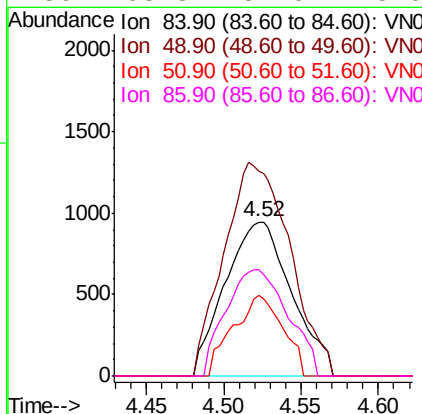
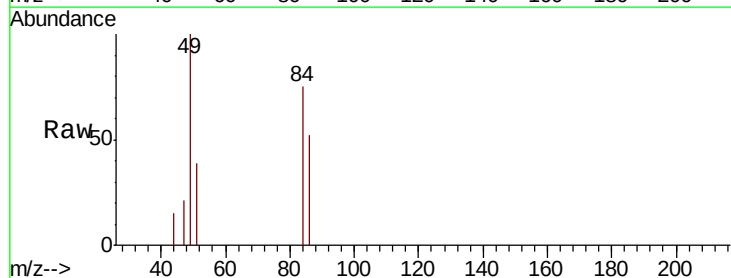
Instrument :
MSVOA_N
ClientSampled :
TP-10

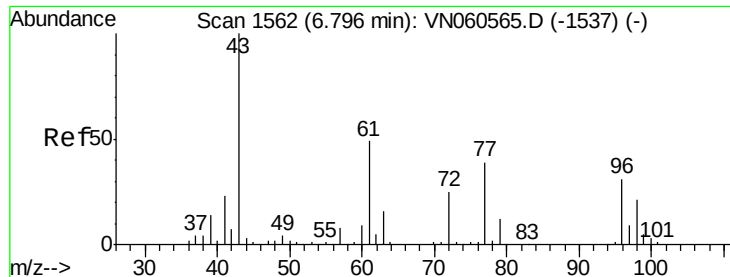
Tot Ion: 43 Resp: 1493
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.558 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060934.D
Acq: 14 Apr 2020 15:30

Tgt Ion: 84 Resp: 2825
Ion Ratio Lower Upper
84 100
49 133.1 103.3 154.9
51 52.3 31.6 47.4#
86 68.8 52.0 78.0





#25

2-Butanone

Concen: 5.266 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN060934.D

Acq: 14 Apr 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

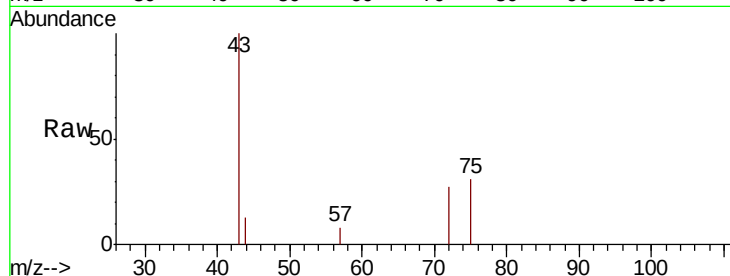
TP-10

Tot Ion: 43 Resp: 6281

Ion Ratio Lower Upper

43 100

72 26.7 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN060934.D (-1469) (-)

Ion 72.00 (71.70 to 72.70): VN060934.D (-1469) (-)

6.81

2000

1500

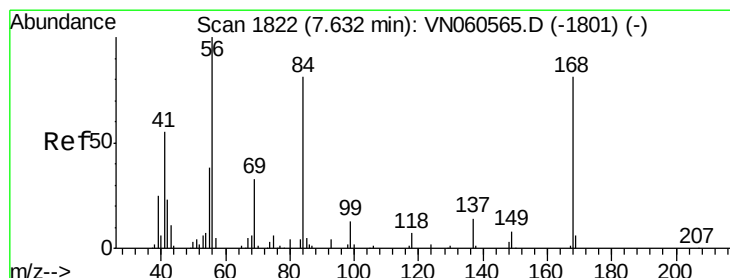
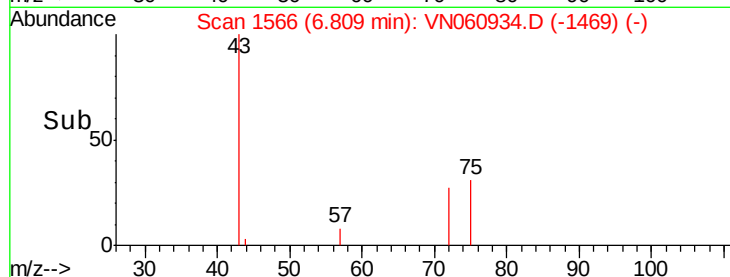
1000

500

0

6.70 6.75 6.80 6.85 6.90

Time-->



#31

Cyclohexane

Concen: 0.927 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060934.D

Acq: 14 Apr 2020 15:30

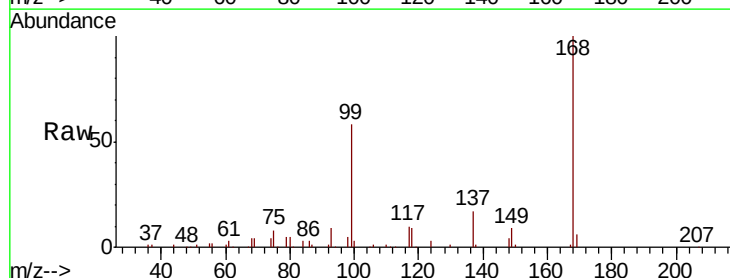
Tgt Ion: 56 Resp: 3107

Ion Ratio Lower Upper

56 100

69 183.4 26.6 40.0#

84 150.1 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060934.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060934.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060934.D (-1729) (-)

7.64

3000

2500

2000

1500

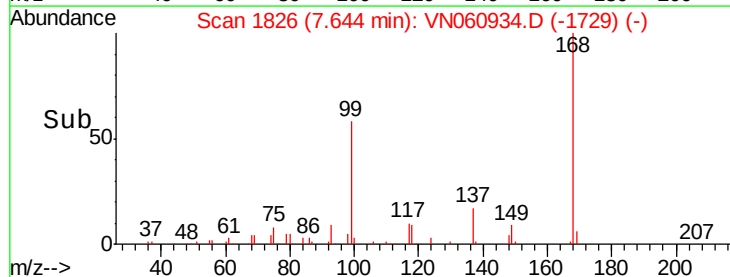
1000

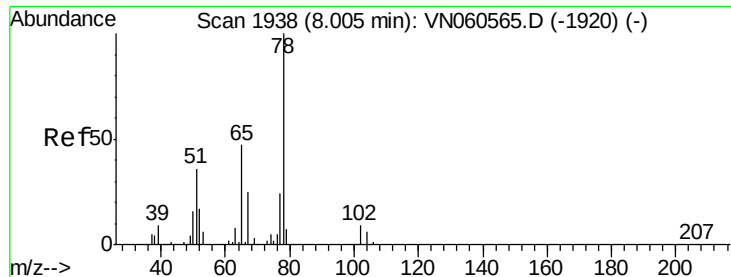
500

0

7.60 7.65 7.70

Time-->

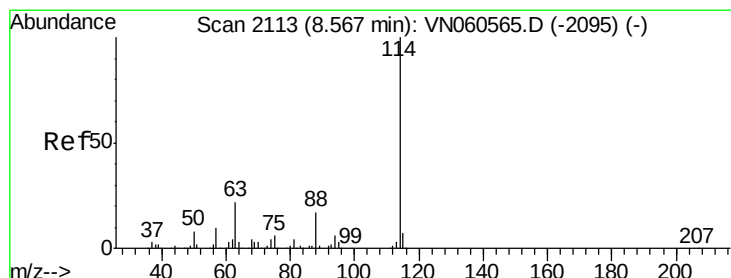
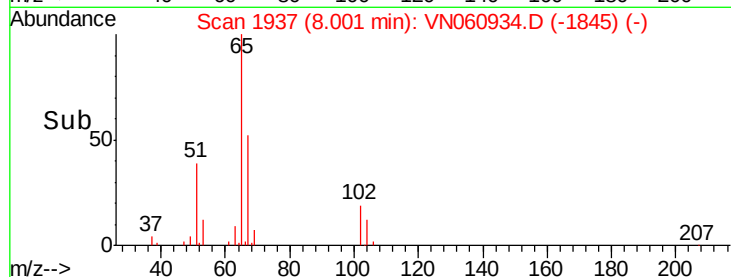
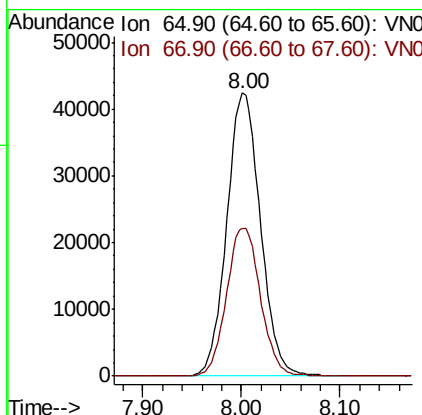
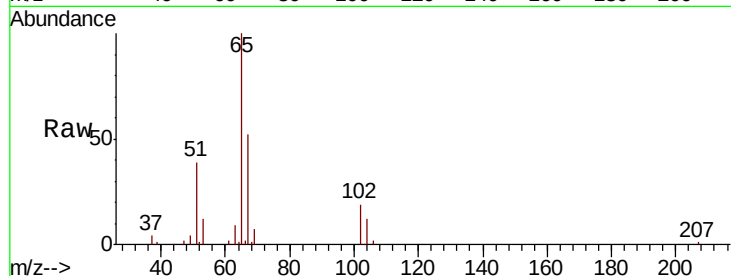




#33
 1,2-Dichloroethane-d4
 Concen: 48.423 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060934.D
 Acq: 14 Apr 2020 15:30

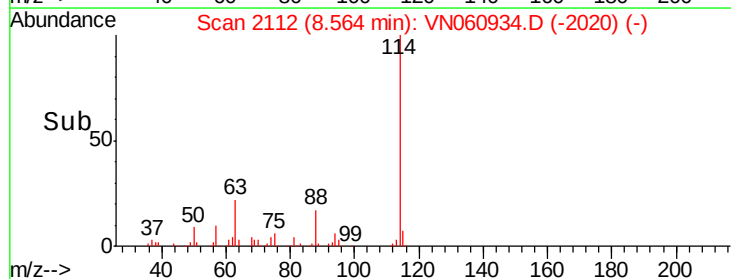
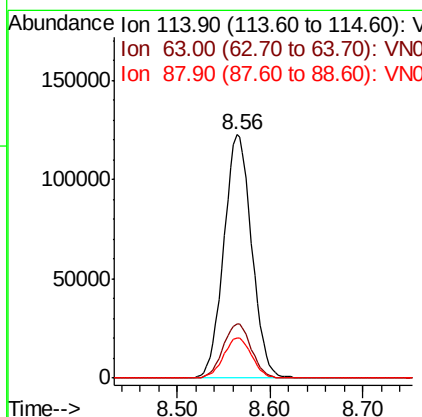
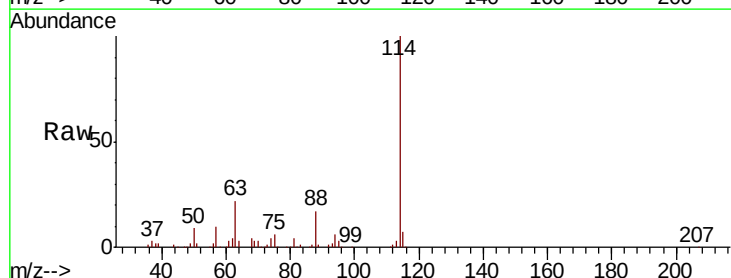
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

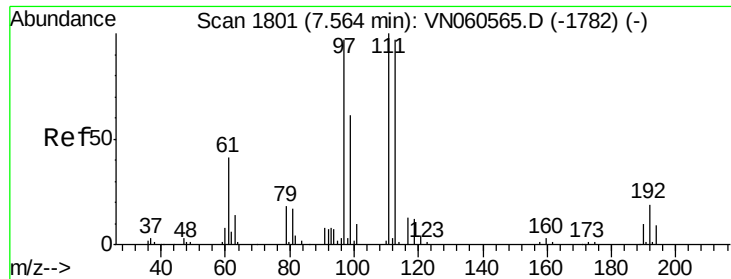
Tot Ion: 65 Resp: 100763
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060934.D
 Acq: 14 Apr 2020 15:30

Tgt Ion: 114 Resp: 255796
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.7 0.0 33.0

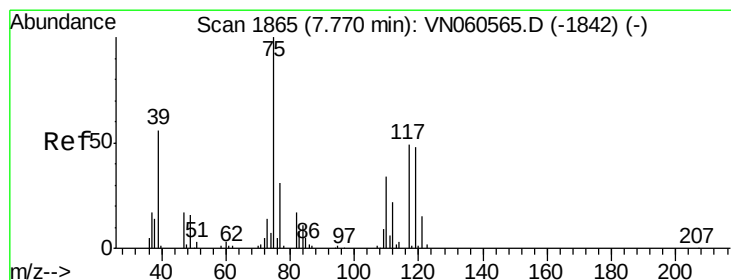
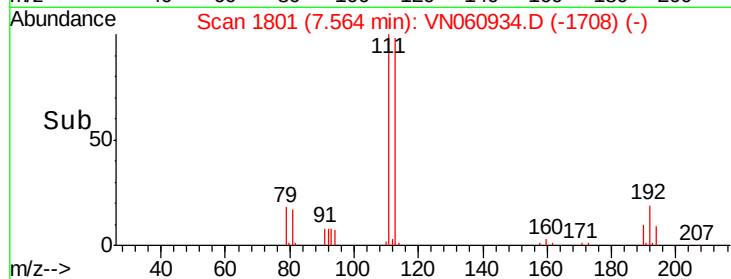
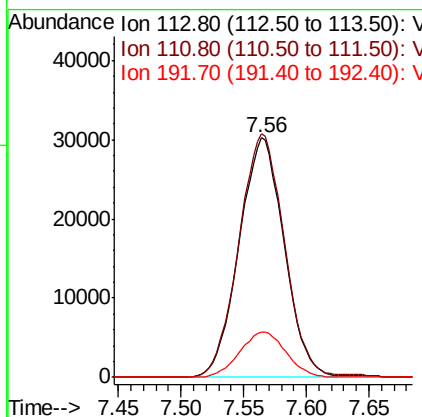
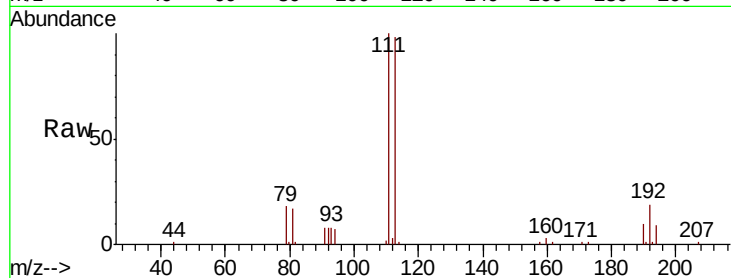




#35
 Dibromofluoromethane
 Concen: 48.836 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060934.D
 Acq: 14 Apr 2020 15:30

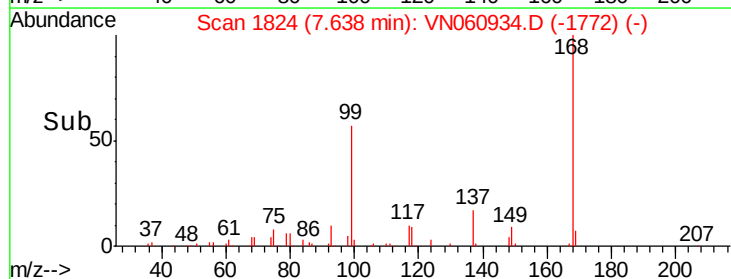
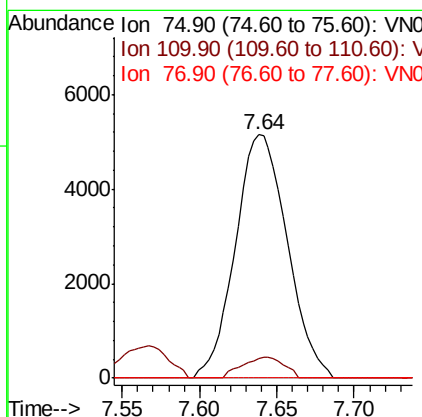
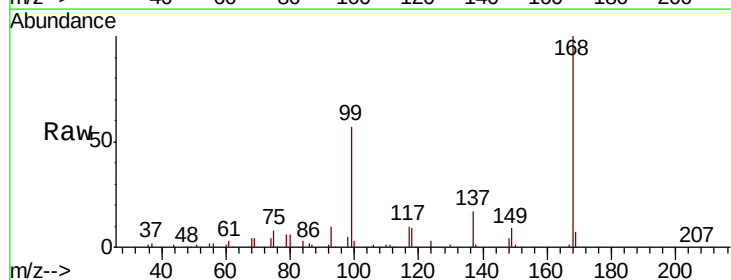
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

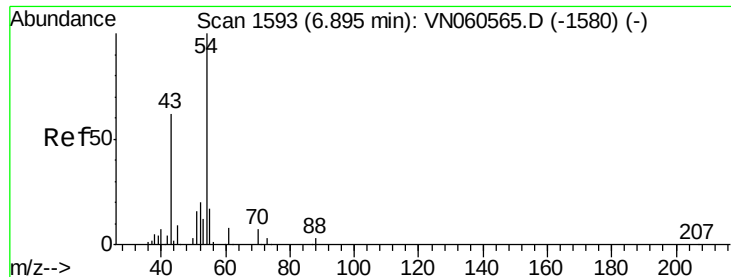
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	19.3	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.852 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060934.D
 Acq: 14 Apr 2020 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	16.9	50.6#
77	0.0	24.6	36.8#

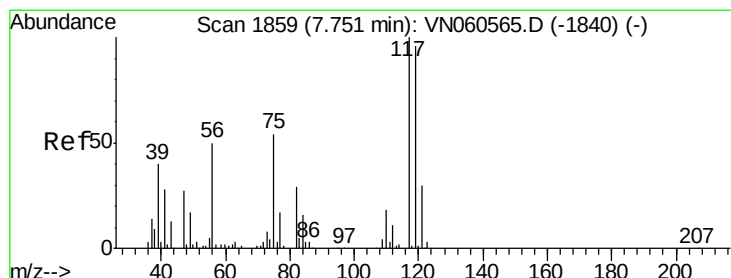
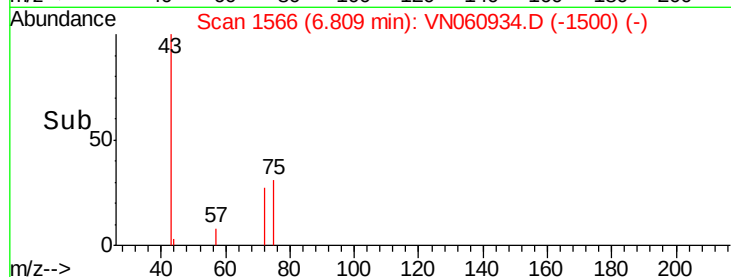
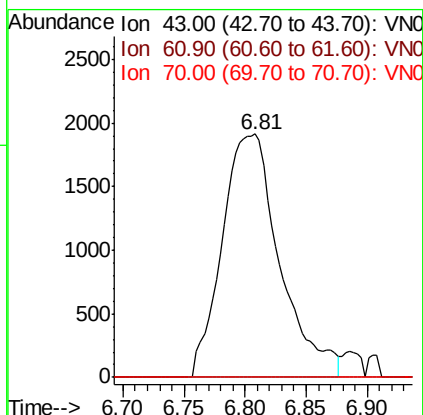
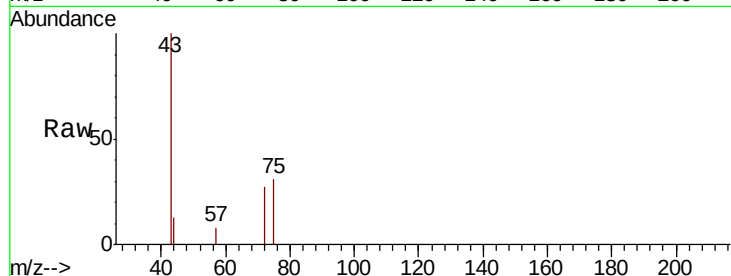




#37
Ethyl Acetate
Concen: 2.347 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.09 min
Lab File: VN060934.D
Acq: 14 Apr 2020 15:30

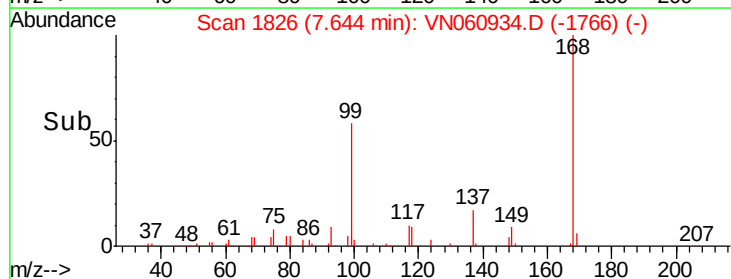
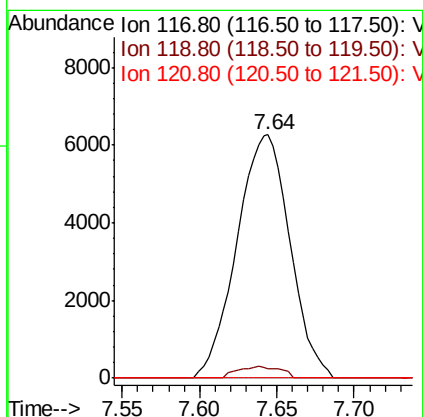
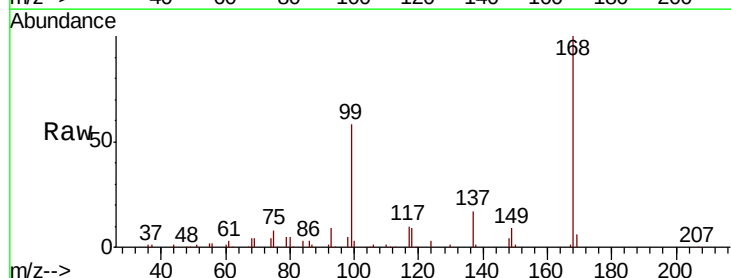
Instrument :
MSVOA_N
ClientSampled :
TP-10

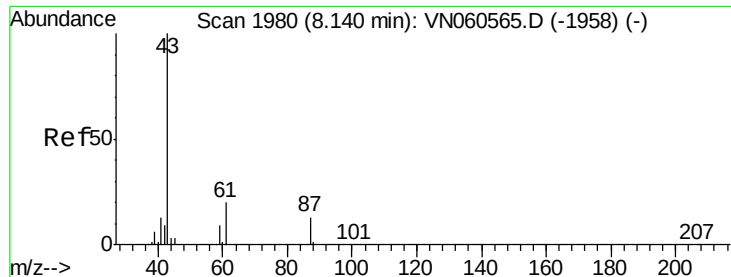
Tot Ion: 43 Resp: 6281
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.723 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060934.D
Acq: 14 Apr 2020 15:30

Tgt Ion: 117 Resp: 14924
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 10.342 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060934.D

Acq: 14 Apr 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

TP-10

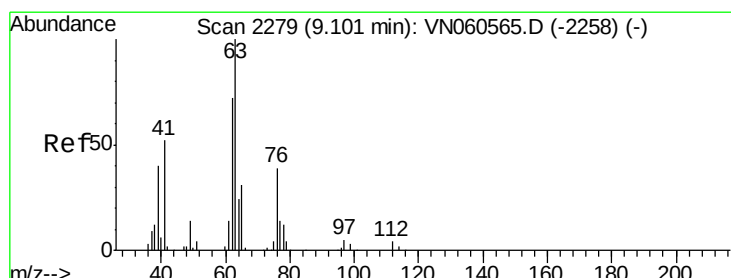
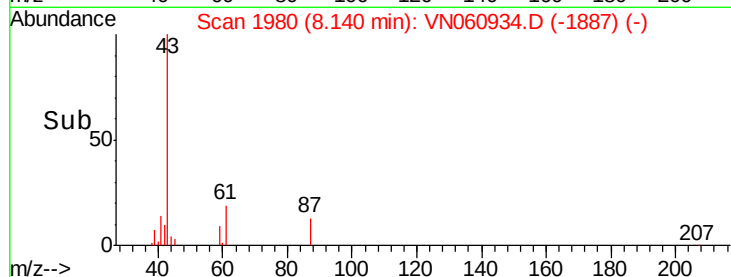
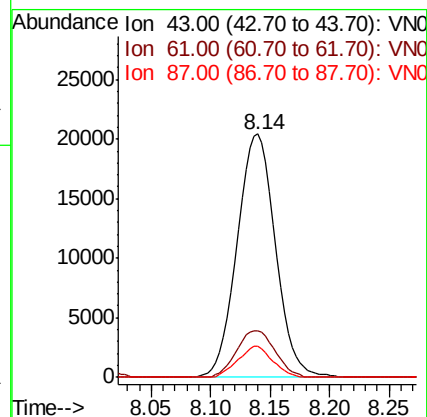
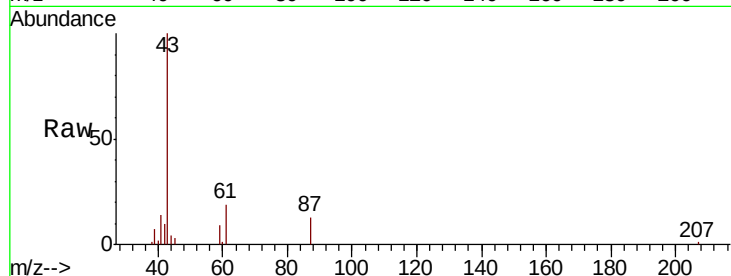
Tot Ion: 43 Resp: 45649

Ion Ratio Lower Upper

43 100

61 19.3 20.7 31.1#

87 11.4 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.363 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060934.D

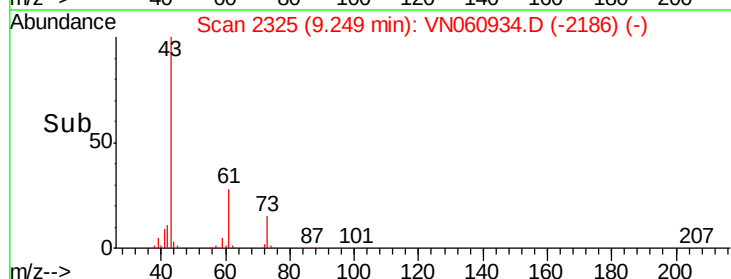
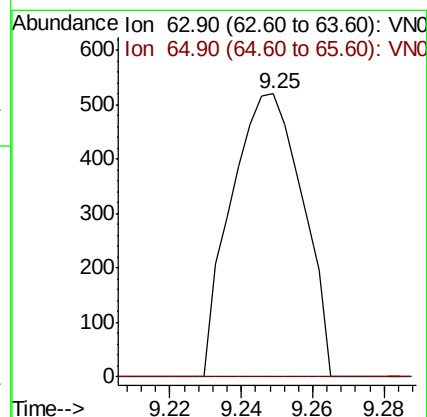
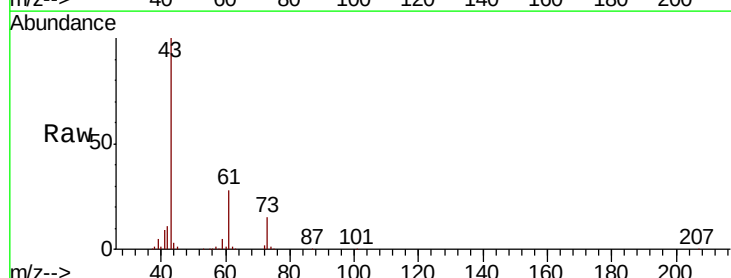
Acq: 14 Apr 2020 15:30

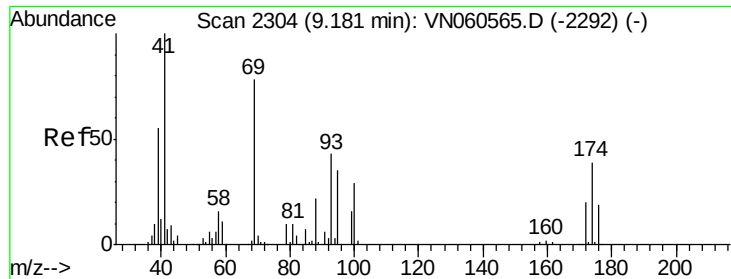
Tgt Ion: 63 Resp: 716

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

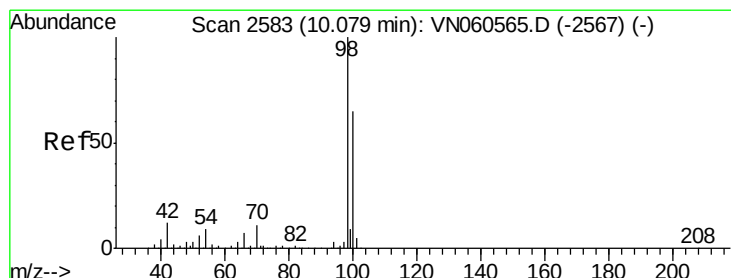
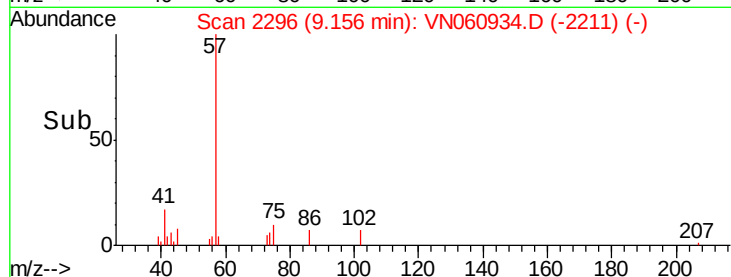
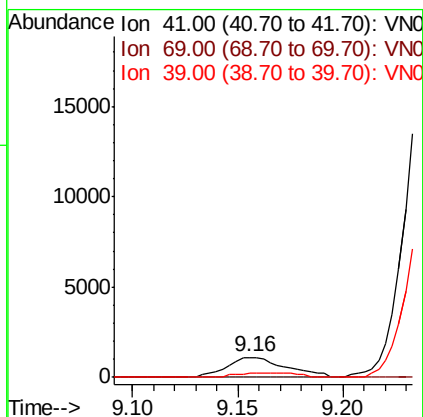
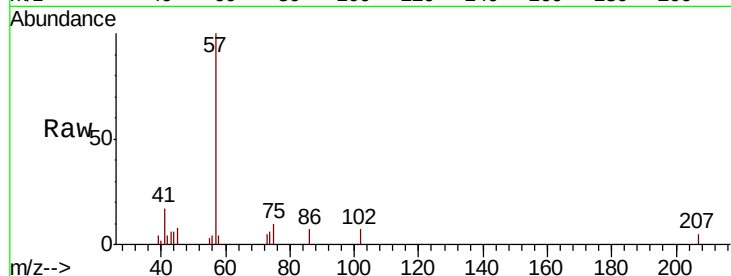




#48
Methvl methacrylate
Concen: 1.086 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060934.D
Acq: 14 Apr 2020 15:30

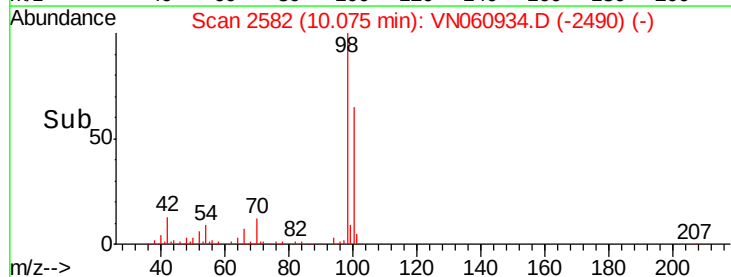
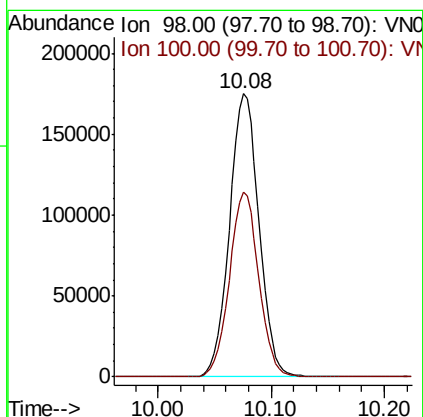
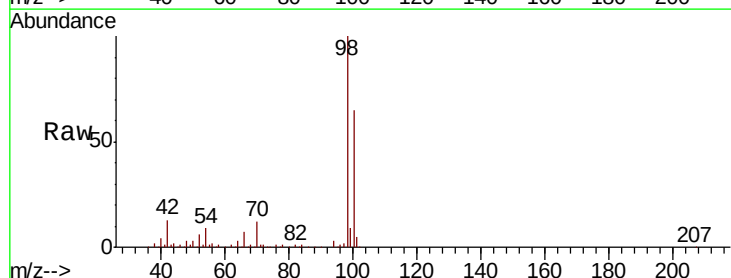
Instrument :
MSVOA_N
ClientSampled :
TP-10

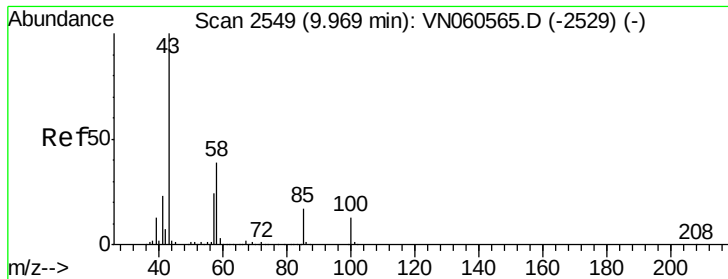
Tot Ion: 41 Resp: 2135
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.168 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060934.D
Acq: 14 Apr 2020 15:30

Tgt Ion: 98 Resp: 316946
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8

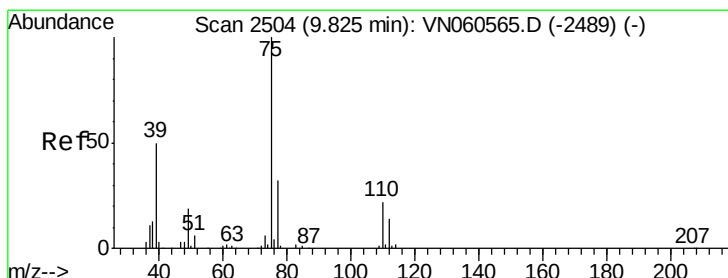
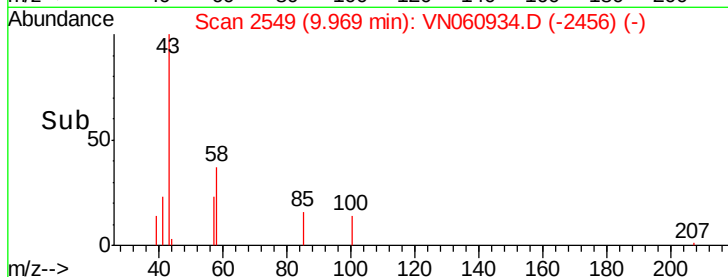
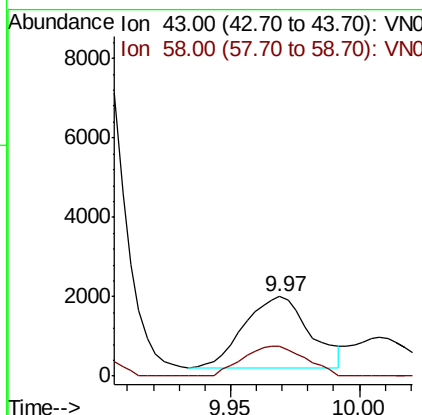
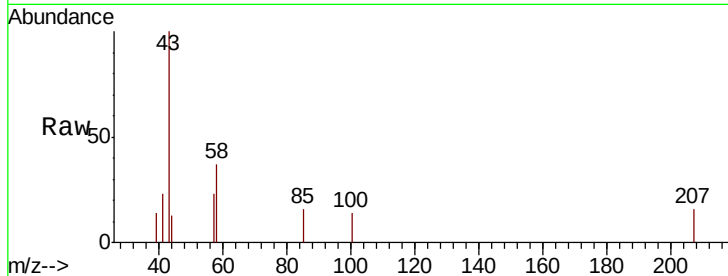




#51
 4-Methyl-2-Pentanone
 Concen: 1.247 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060934.D
 Acq: 14 Apr 2020 15:30

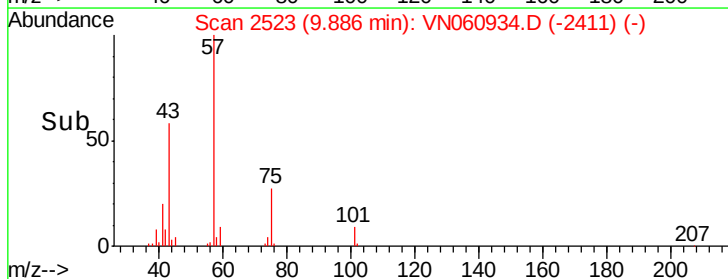
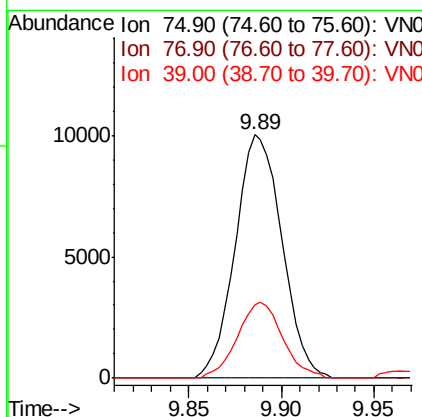
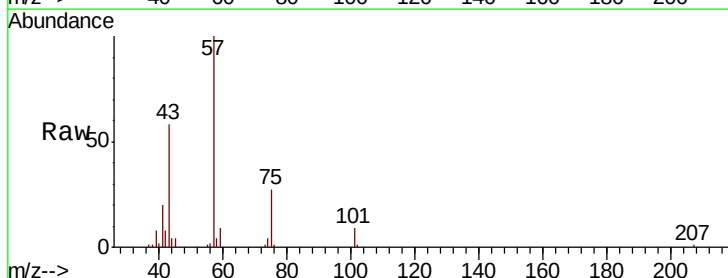
Instrument :
 MSVOA_N
 ClientSampled :
 TP-10

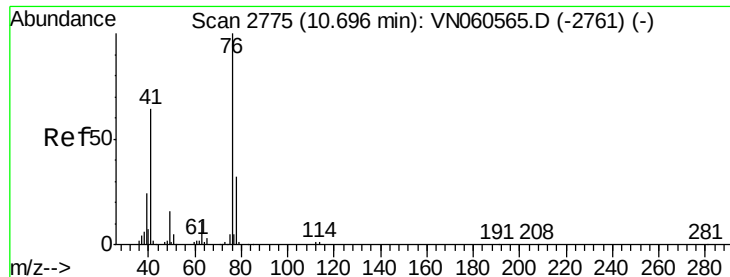
Tot Ion: 43 Resp: 3132
 Ion Ratio Lower Upper
 43 100
 58 41.3 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 5.617 ug/l
 RT: 9.89 min Scan# 2523
 Delta R.T. 0.06 min
 Lab File: VN060934.D
 Acq: 14 Apr 2020 15:30

Tgt Ion: 75 Resp: 17543
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 30.0 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 0.727 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060934.D

Acq: 14 Apr 2020 15:30

Instrument :

MSVOA_N

ClientSampled :

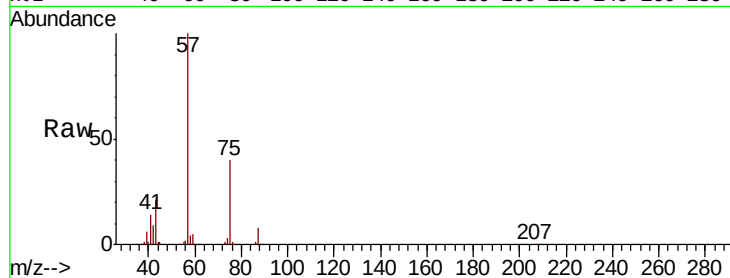
TP-10

Tot Ion: 76 Resp: 2192

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.75

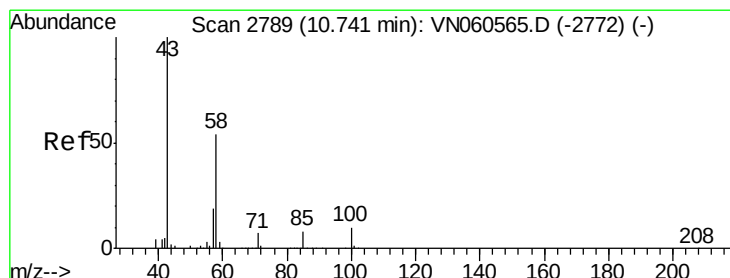
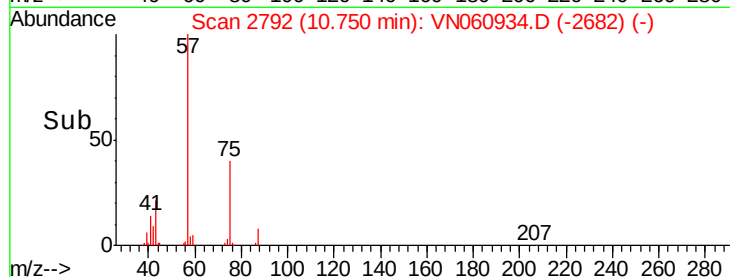
1500

1000

500

0

Time--> 10.70 10.75



#59

2-Hexanone

Concen: 19.009 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060934.D

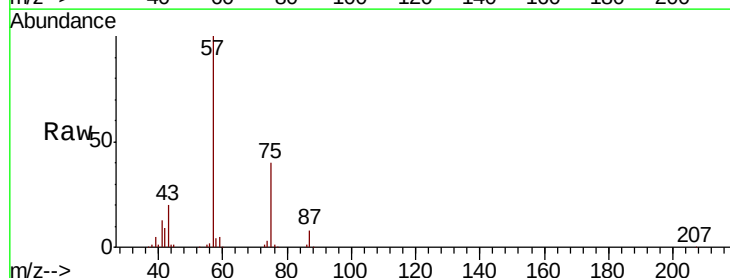
Acq: 14 Apr 2020 15:30

Tgt Ion: 43 Resp: 34393

Ion Ratio Lower Upper

43 100

58 18.8 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

25000

20000

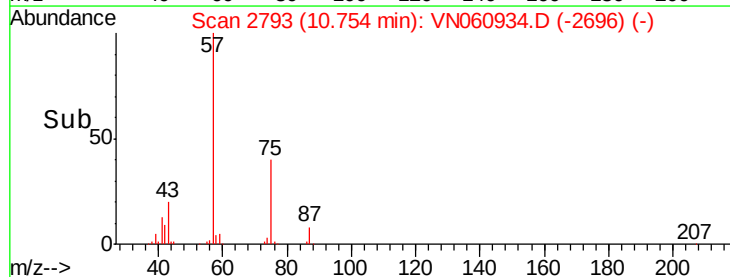
15000

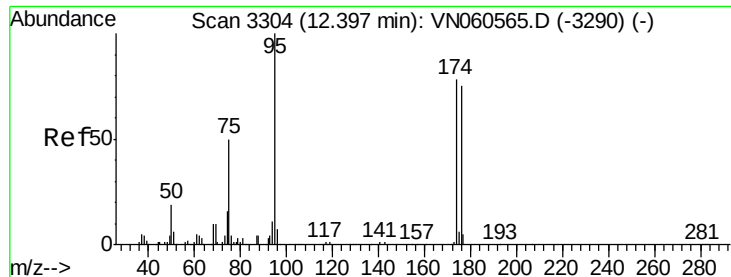
10000

5000

0

Time--> 10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 51.617 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060934.D

Acq: 14 Apr 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

TP-10

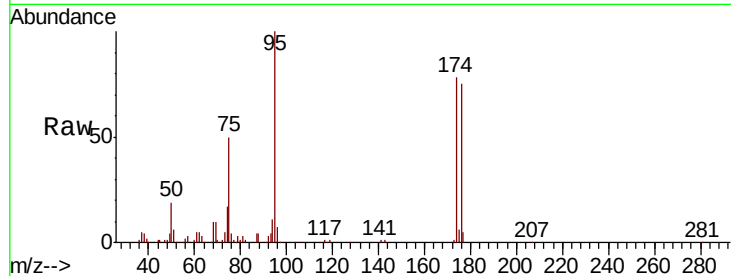
Tot Ion: 95 Resp: 119511

Ion Ratio Lower Upper

95 100

174 76.1 0.0 157.6

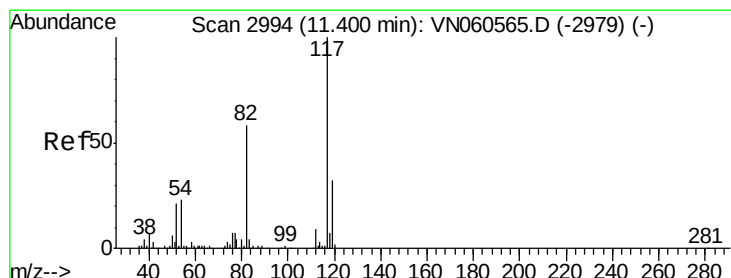
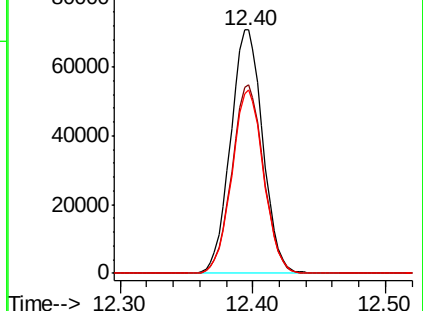
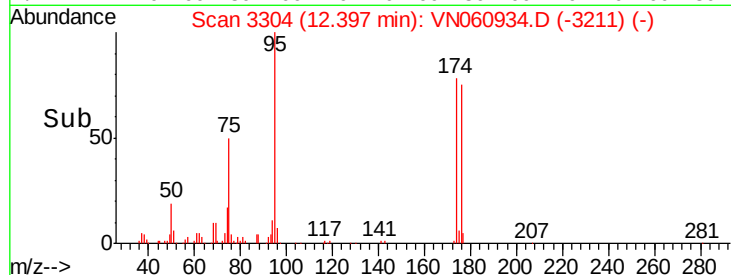
176 74.0 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060934.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060934.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060934.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060934.D

Acq: 14 Apr 2020 15:30

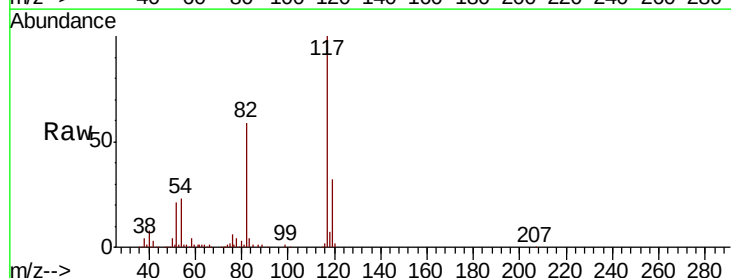
Tgt Ion: 117 Resp: 240880

Ion Ratio Lower Upper

117 100

82 59.3 46.7 70.1

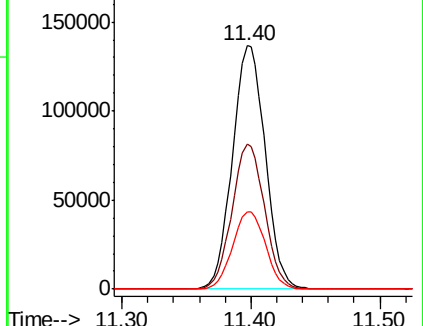
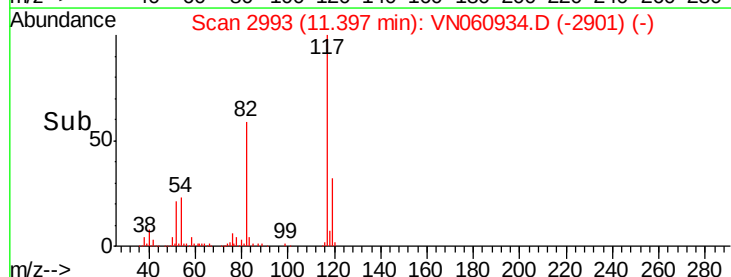
119 31.9 25.5 38.3

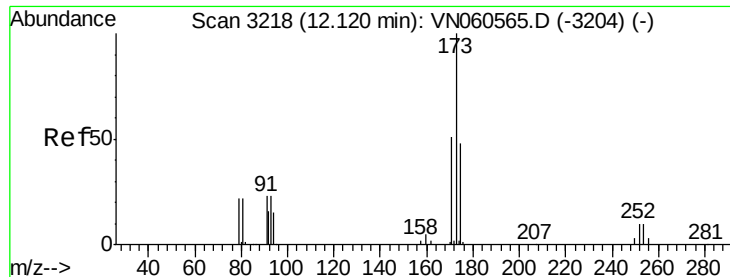


Abundance Ion 116.90 (116.60 to 117.60): VN060934.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060934.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060934.D (-2901) (-)





#71

Bromoform

Concen: 2.215 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060934.D

Acq: 14 Apr 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

TP-10

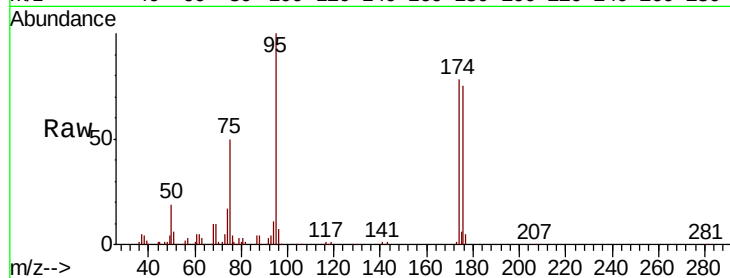
Tot Ion:173 Resp: 795

Ion Ratio Lower Upper

173 100

175 746.9 24.1 72.4#

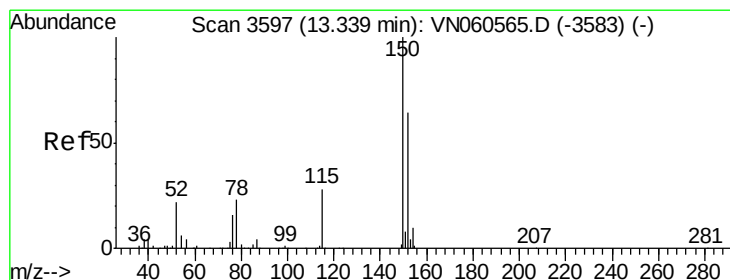
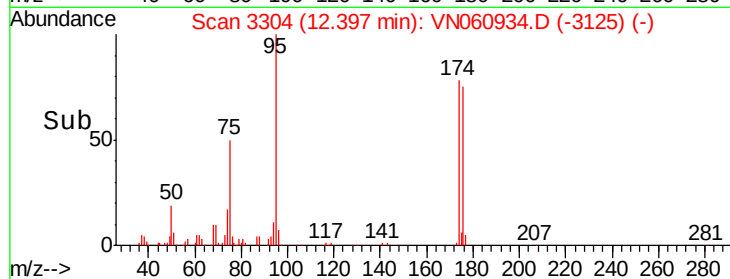
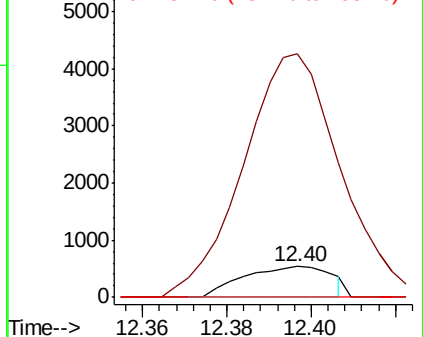
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060934.D

Acq: 14 Apr 2020 15:30

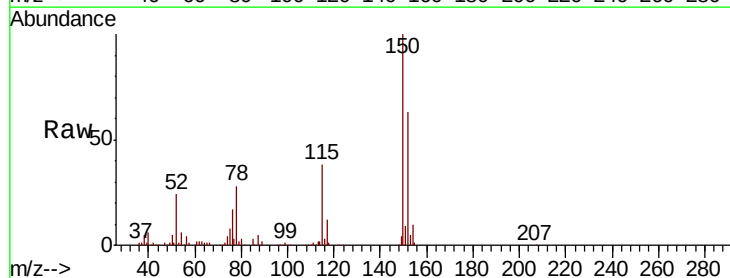
Tgt Ion:152 Resp: 106947

Ion Ratio Lower Upper

152 100

115 61.9 30.2 90.6

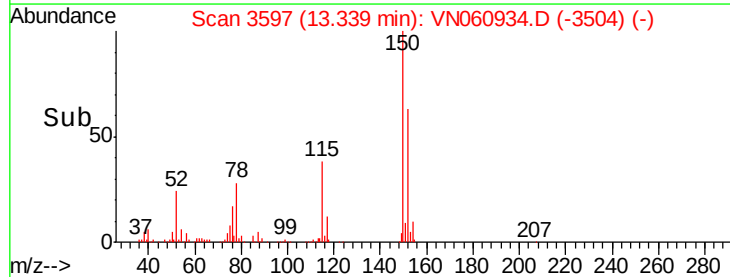
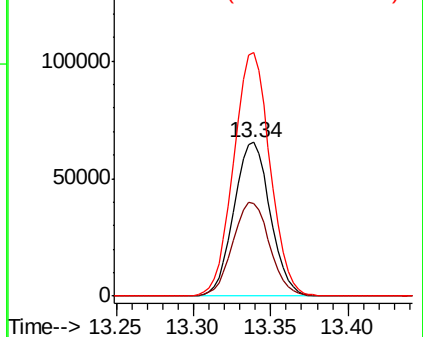
150 158.4 0.0 350.2

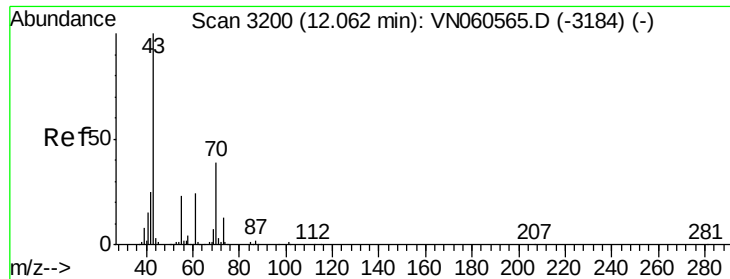


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

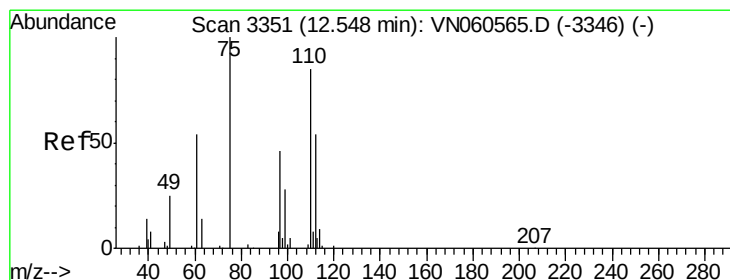
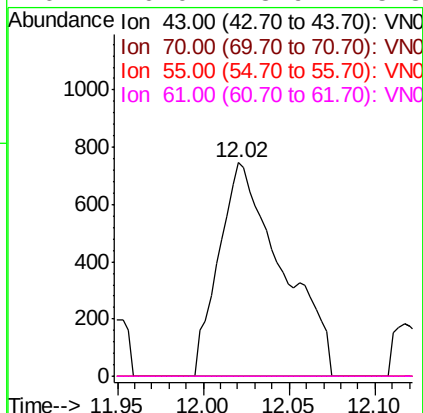
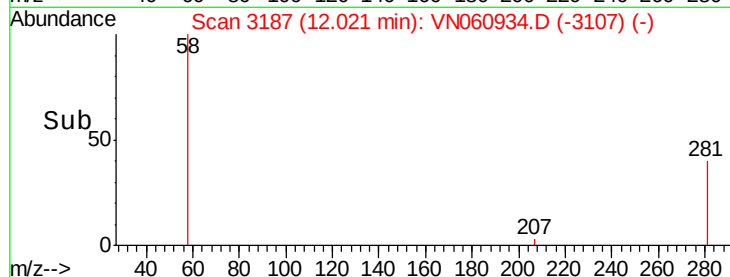
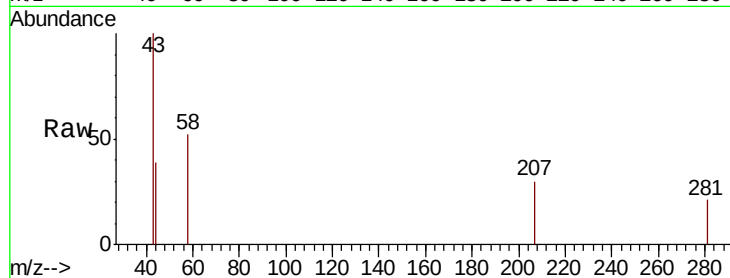




#74
N-amyl acetate
Concen: 0.513 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060934.D
Acq: 14 Apr 2020 15:30

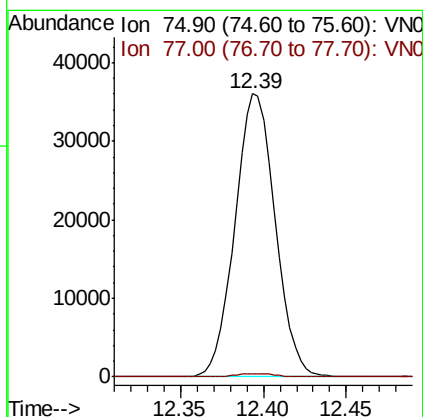
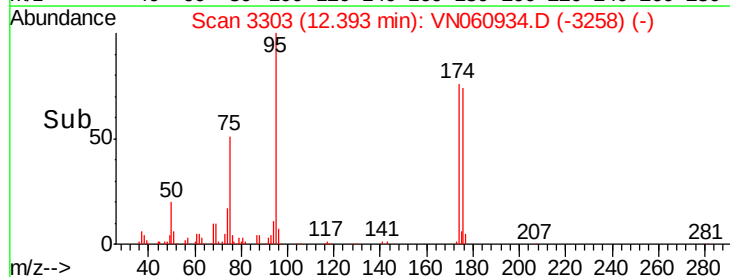
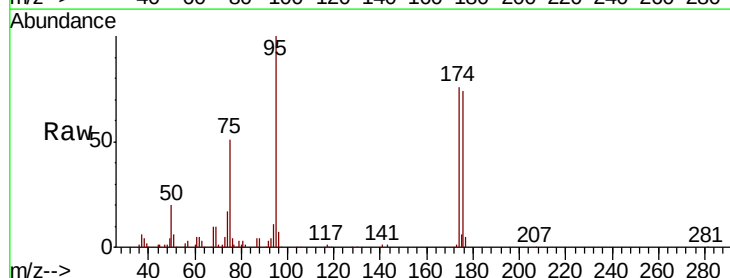
Instrument :
MSVOA_N
ClientSampleId :
TP-10

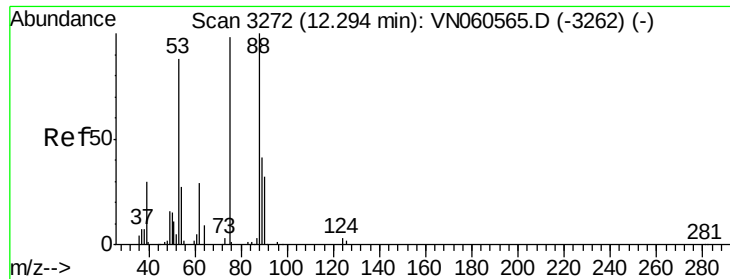
Tot Ion:	43	Resp:	1902
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.1	46.7#
55	0.0	18.6	27.8#
61	0.0	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 26.329 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. -0.15 min
Lab File: VN060934.D
Acq: 14 Apr 2020 15:30

Tgt Ion:	75	Resp:	60759
Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 67.620 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060934.D

Acq: 14 Apr 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

TP-10

Tot Ion: 75 Resp: 60759

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

