

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060882.D
 Acq On : 7 Apr 2020 17:12
 Operator : JC/MD
 Sample : L2166-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-45-COMP

Quant Time: Apr 08 05:55:04 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	193184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	322020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138243	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	125605	47.36	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.56	113	96653	49.64	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.08	98	398982	50.17	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	148657	51.00	ug/l	0.00
Spiked Amount						

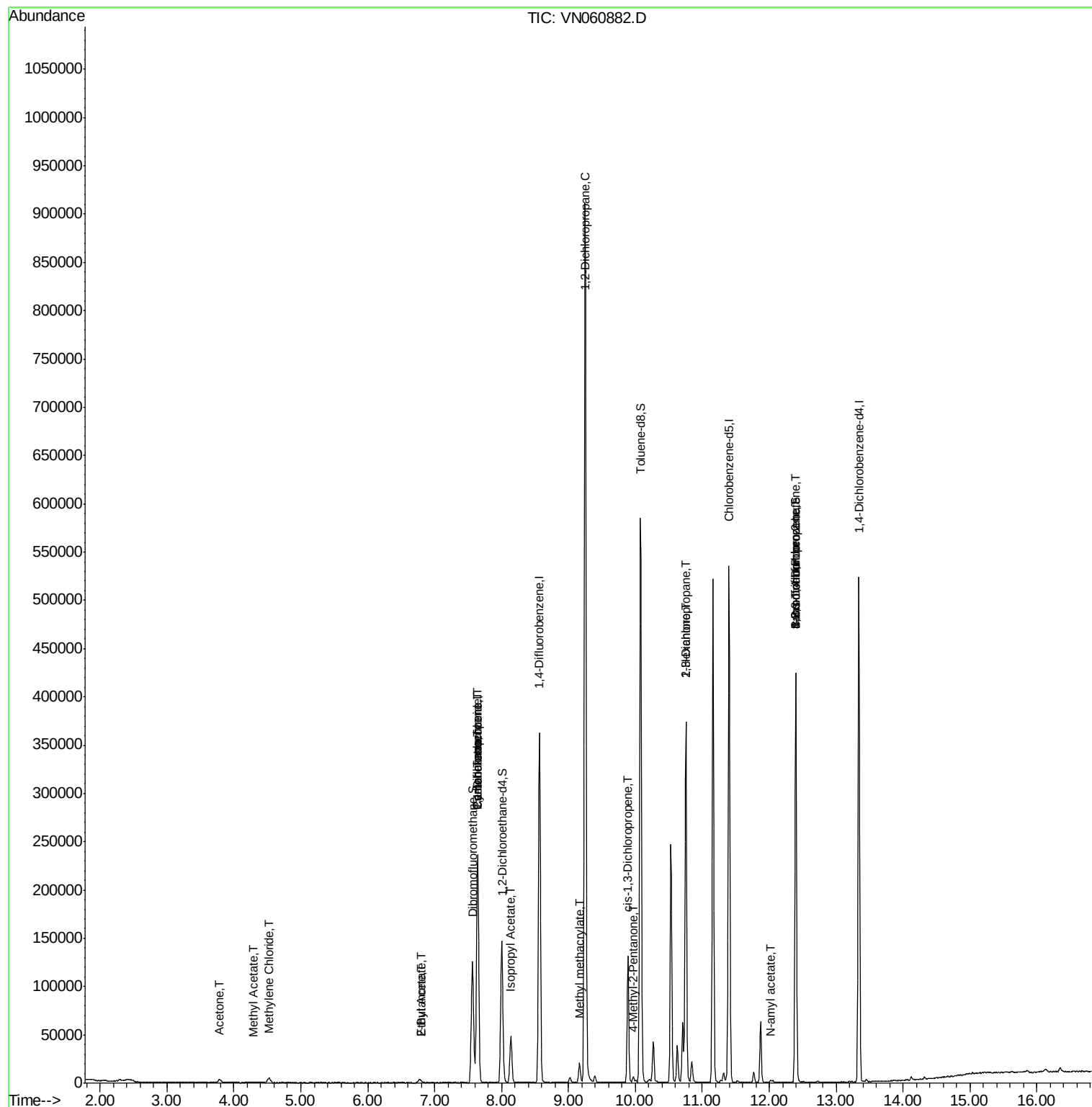
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	6878	7.322	ug/l	100
18) Methyl Acetate	4.30	43	1702	0.644	ug/l #	54
20) Methylene Chloride	4.52	84	3870	1.675	ug/l	95
25) 2-Butanone	6.81	43	1193	0.785	ug/l #	50
31) Cyclohexane	7.64	56	4102	0.960	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15061	4.830	ug/l #	50
37) Ethyl Acetate	6.81	43	1193	0.354	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18309	6.551	ug/l #	16
43) Isopropyl Acetate	8.14	43	56429	10.155	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	994	0.400	ug/l #	43
48) Methyl methacrylate	9.16	41	2856	1.154	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4415	1.396	ug/l	92
54) cis-1,3-Dichloropropene	9.89	75	23015	5.853	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	3641	0.959	ug/l #	42
59) 2-Hexanone	10.75	43	56178	24.665	ug/l #	51
71) Bromoform	12.39	173	407	1.897	ug/l #	1
74) N-amyl acetate	12.02	43	2265	0.472	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	75994	25.476	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75994	65.429	ug/l #	13

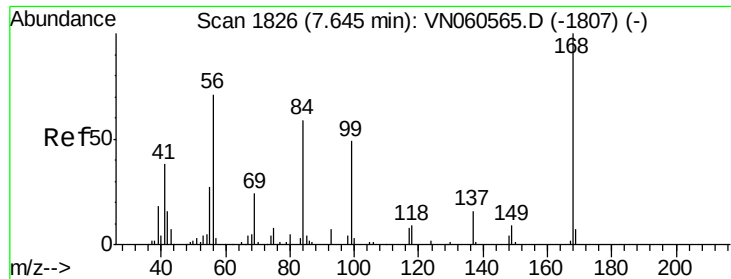
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060882.D

Acq: 7 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

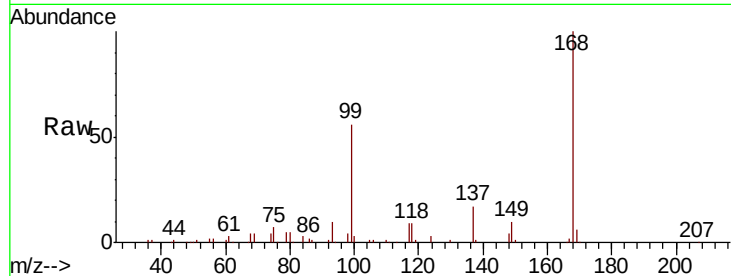
TP-45-COMP

Tot Ion:168 Resp: 193184

Ion Ratio Lower Upper

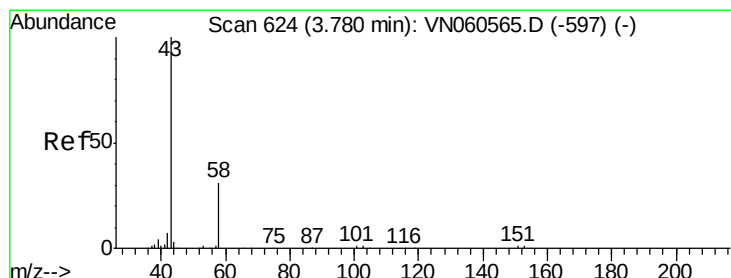
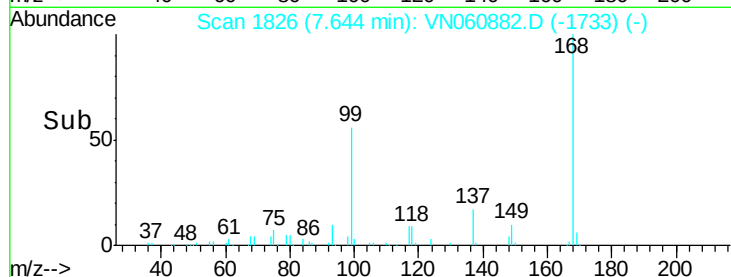
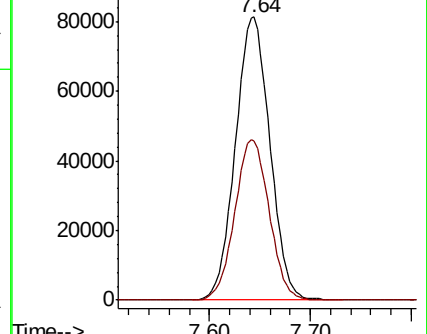
168 100

99 56.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 7.322 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060882.D

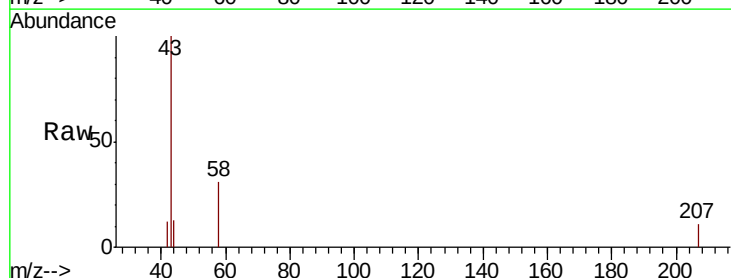
Acq: 7 Apr 2020 17:12

Tgt Ion: 43 Resp: 6878

Ion Ratio Lower Upper

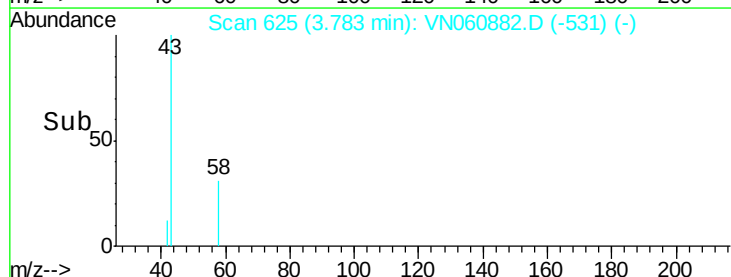
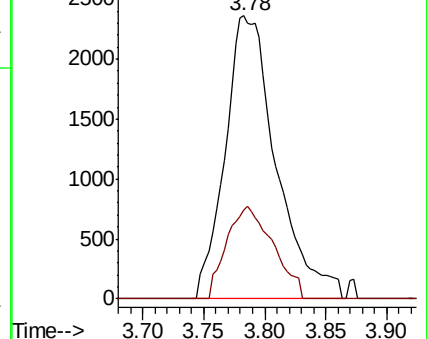
43 100

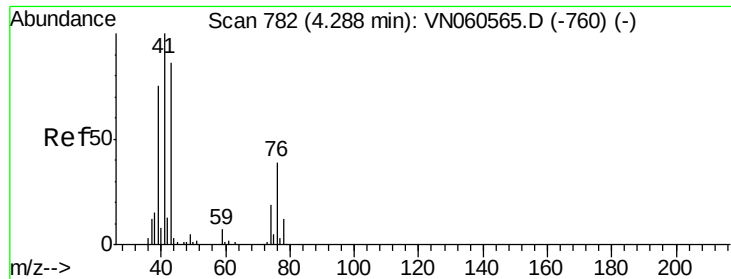
58 31.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

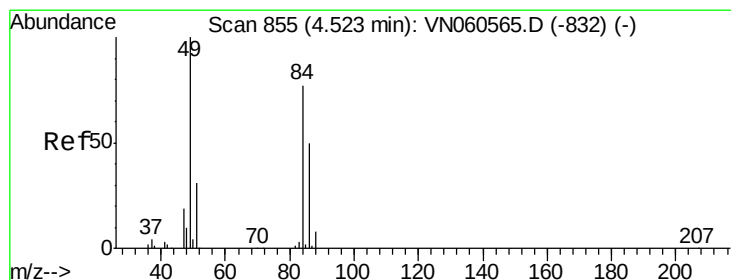
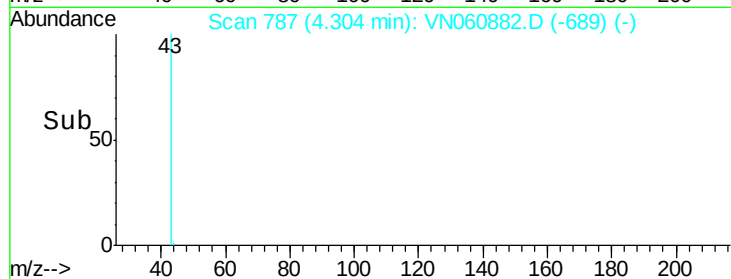
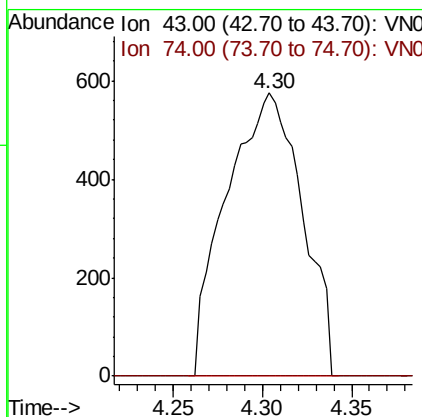
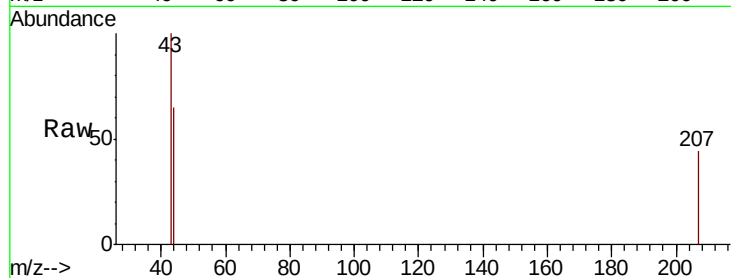




#18
Methyl Acetate
Concen: 0.644 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN060882.D
Acq: 7 Apr 2020 17:12

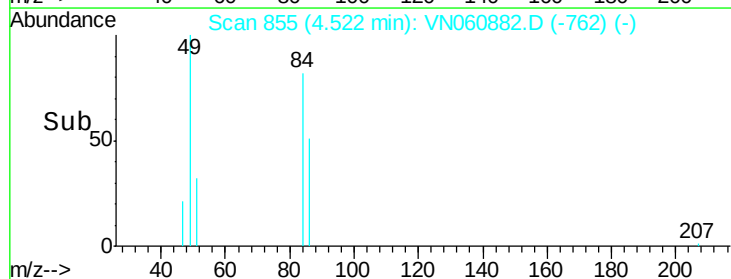
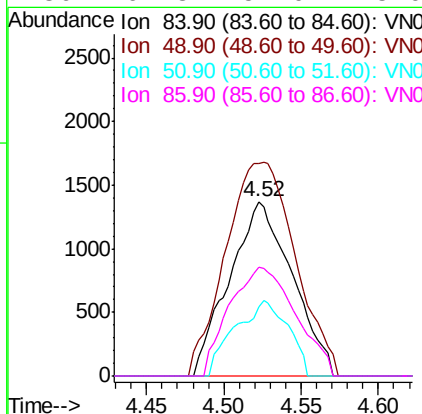
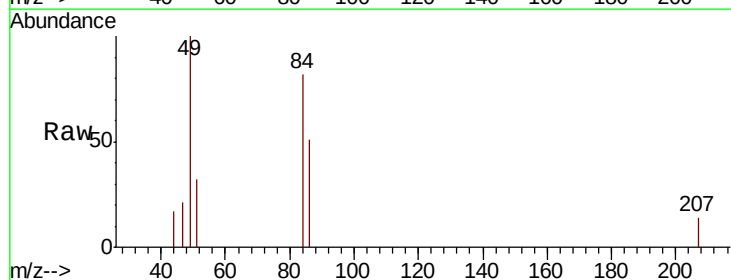
Instrument :
MSVOA_N
ClientSampleId :
TP-45-COMP

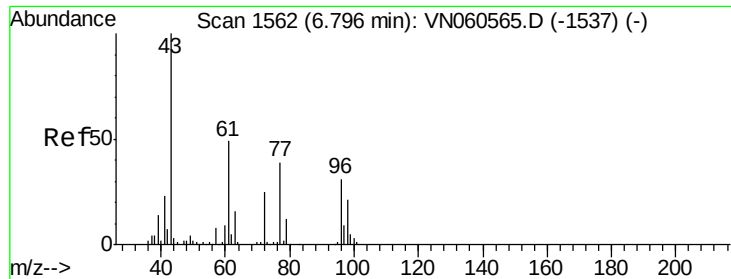
Tot Ion: 43 Resp: 1702
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.675 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060882.D
Acq: 7 Apr 2020 17:12

Tgt Ion: 84 Resp: 3870
Ion Ratio Lower Upper
84 100
49 121.6 103.3 154.9
51 39.3 31.6 47.4
86 62.3 52.0 78.0





#25

2-Butanone

Concen: 0.785 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060882.D

Acq: 7 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampled :

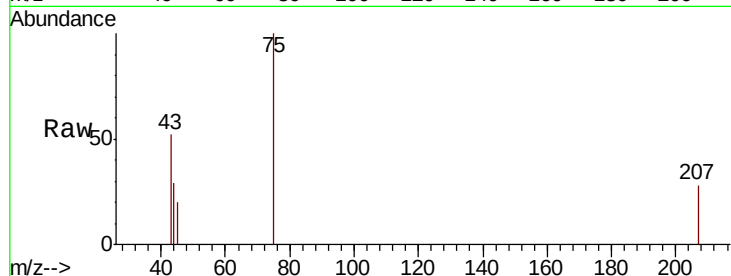
TP-45-COMP

Tot Ion: 43 Resp: 1193

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

400

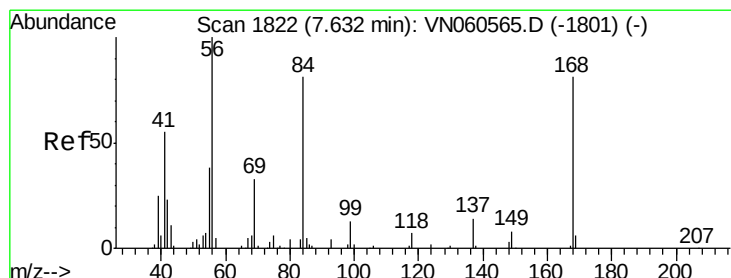
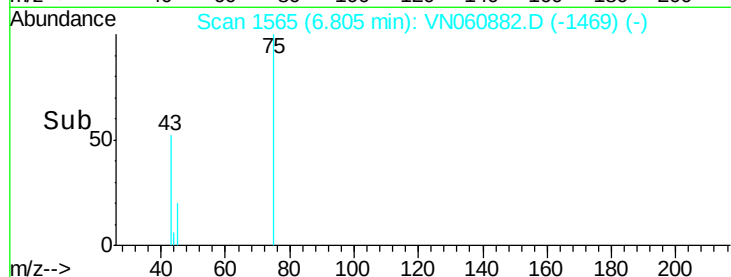
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 0.960 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060882.D

Acq: 7 Apr 2020 17:12

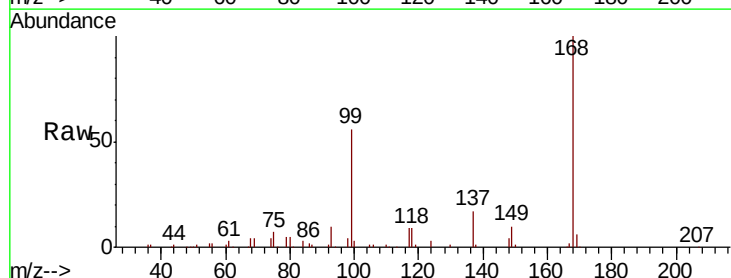
Tgt Ion: 56 Resp: 4102

Ion Ratio Lower Upper

56 100

69 168.6 26.6 40.0#

84 138.4 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

4000

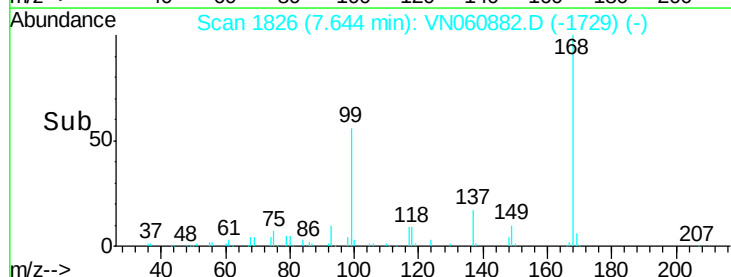
3000

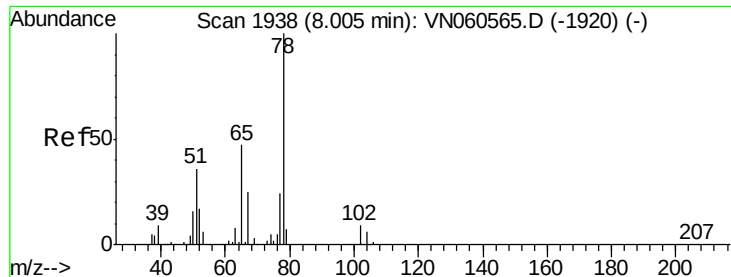
2000

1000

0

Time-->

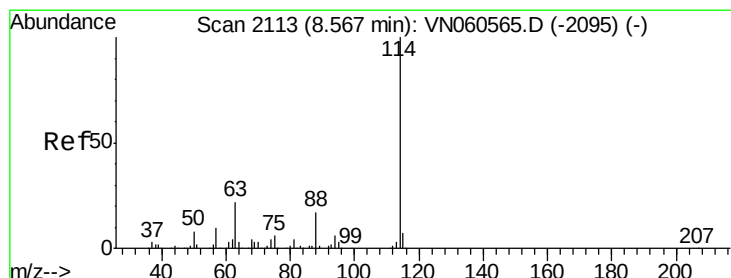
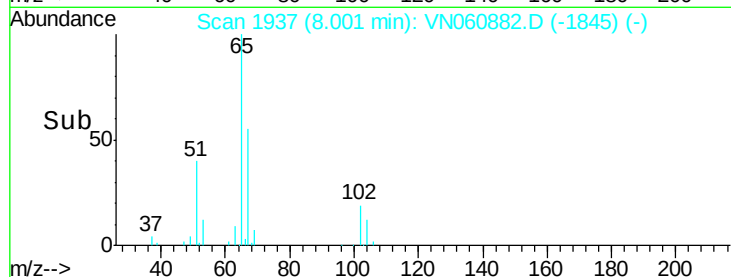
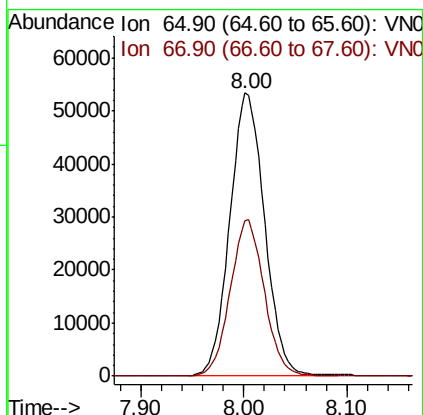
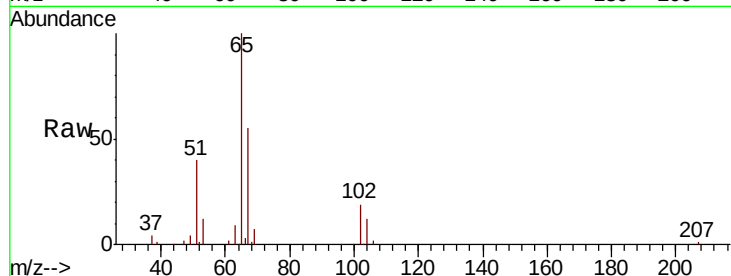




#33
 1,2-Dichloroethane-d4
 Concen: 47.363 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060882.D
 Acq: 7 Apr 2020 17:12

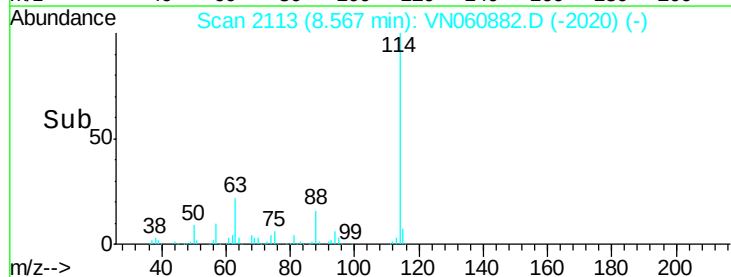
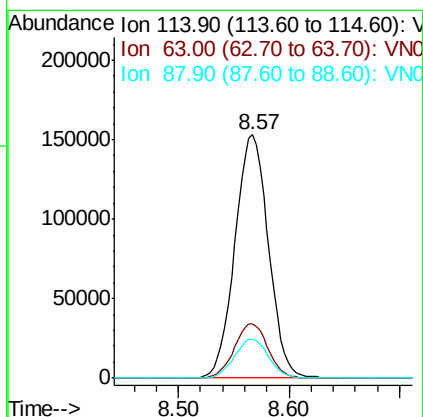
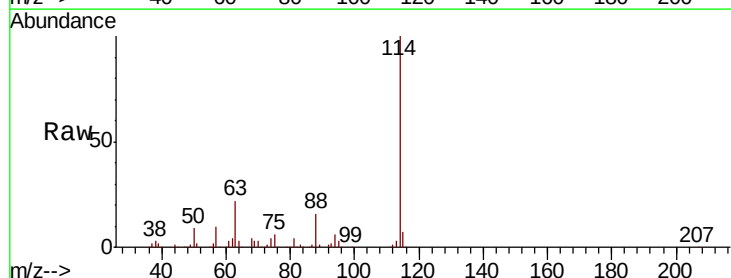
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-45-COMP

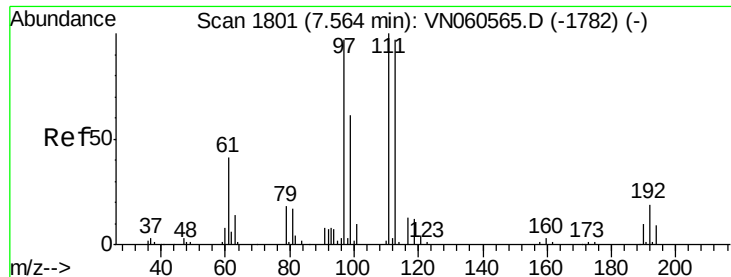
Tot Ion: 65 Resp: 125605
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060882.D
 Acq: 7 Apr 2020 17:12

Tgt Ion: 114 Resp: 322020
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.2 0.0 33.0

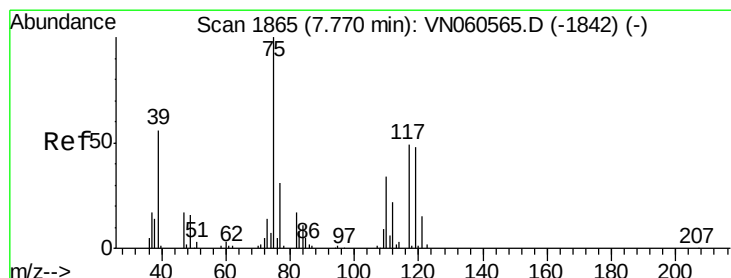
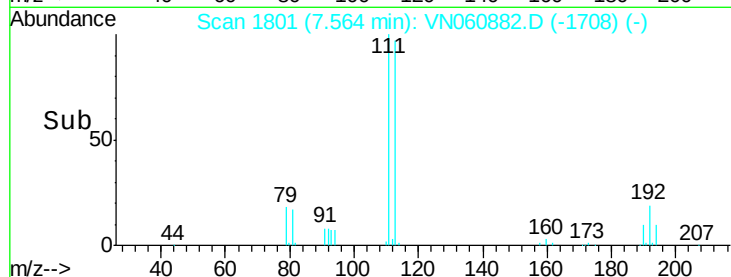
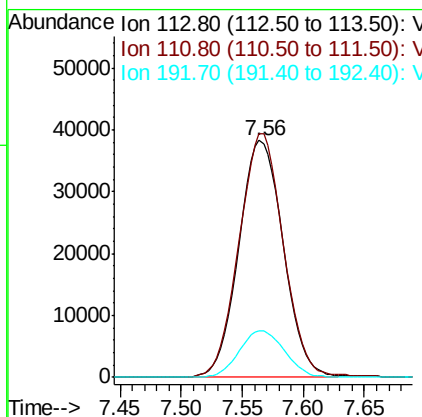
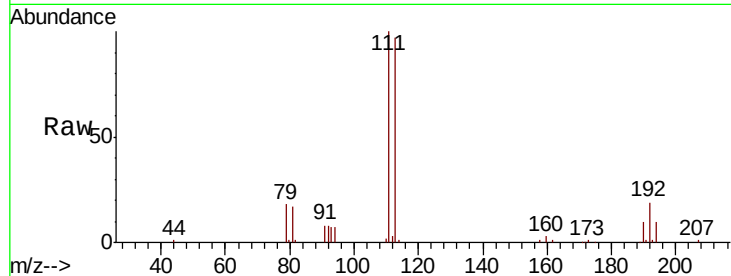




#35
 Dibromofluoromethane
 Concen: 49.638 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060882.D
 Acq: 7 Apr 2020 17:12

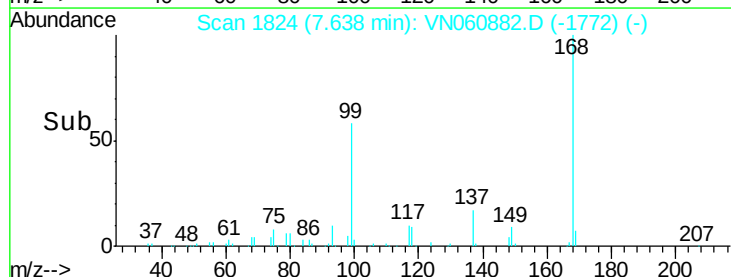
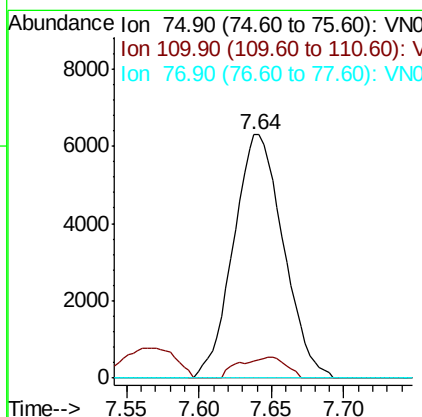
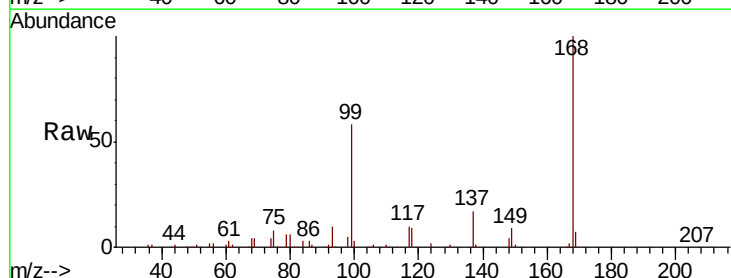
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-45-COMP

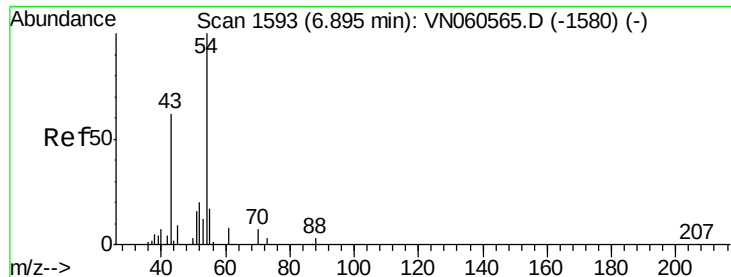
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	20.2	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.830 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060882.D
 Acq: 7 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.9	50.6#
77	0.0	24.6	36.8#

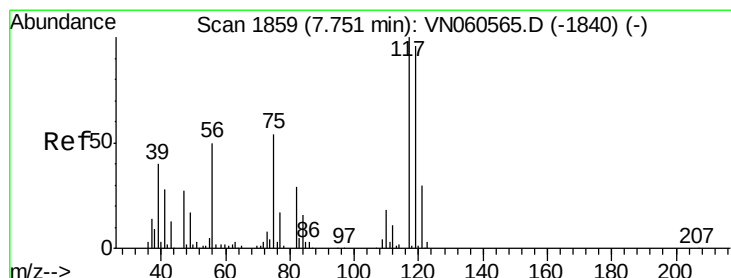
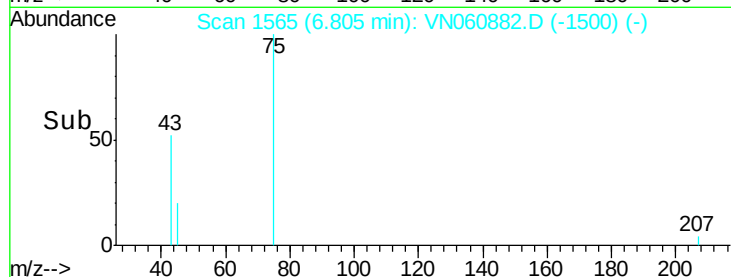
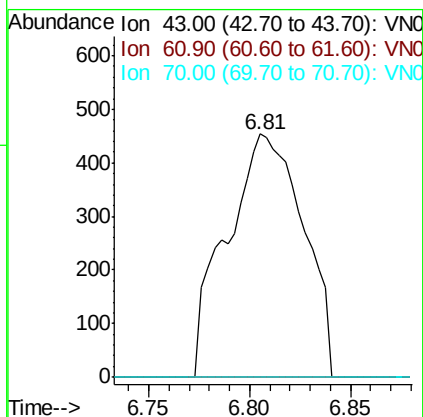
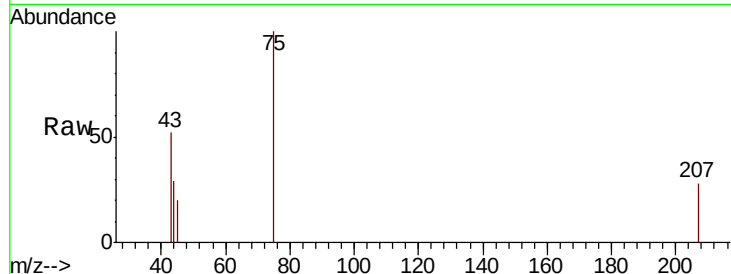




#37
Ethyl Acetate
Concen: 0.354 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.09 min
Lab File: VN060882.D
Acq: 7 Apr 2020 17:12

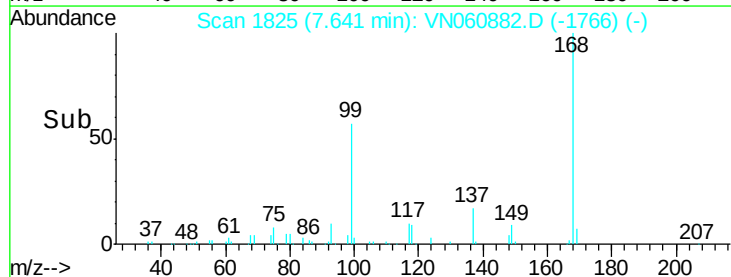
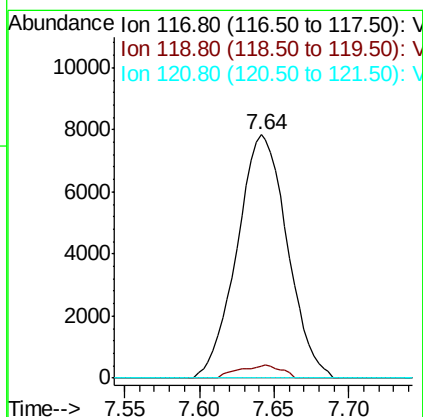
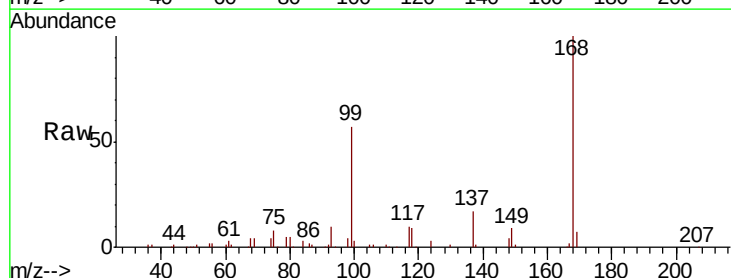
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TP-45-COMP

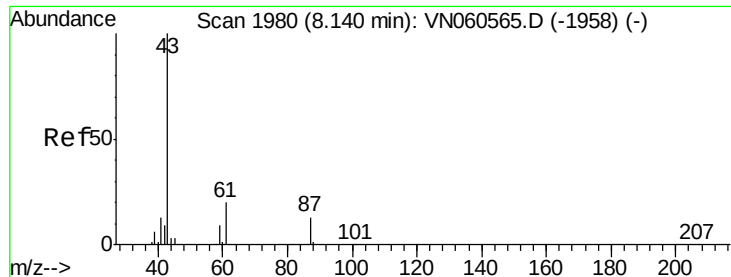
Tot Ion: 43 Resp: 1193
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.551 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060882.D
Acq: 7 Apr 2020 17:12

Tgt Ion: 117 Resp: 18309
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 10.155 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060882.D

Acq: 7 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

TP-45-COMP

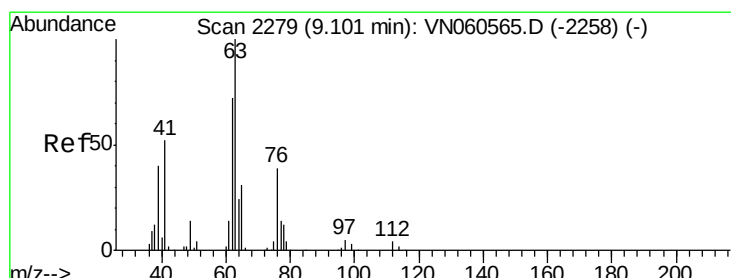
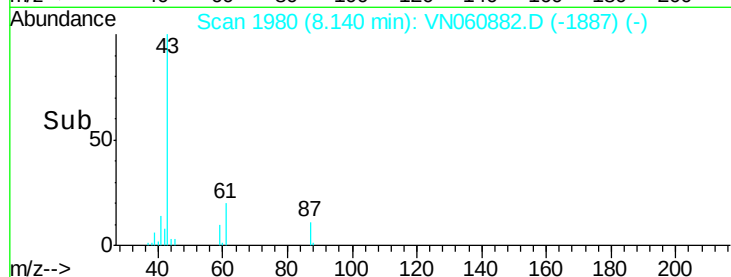
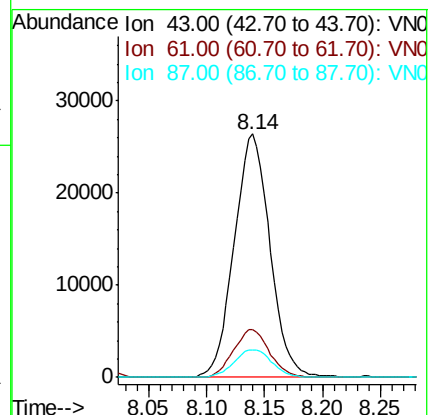
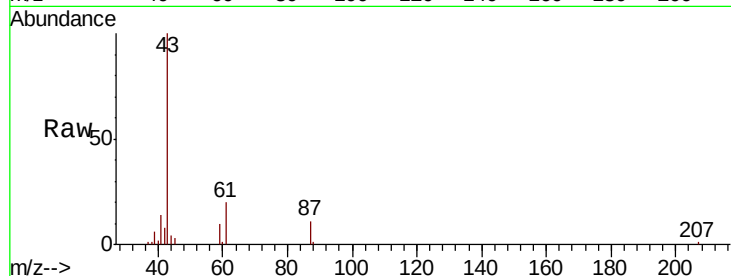
Tot Ion: 43 Resp: 56429

Ion Ratio Lower Upper

43 100

61 19.6 20.7 31.1#

87 11.8 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.400 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060882.D

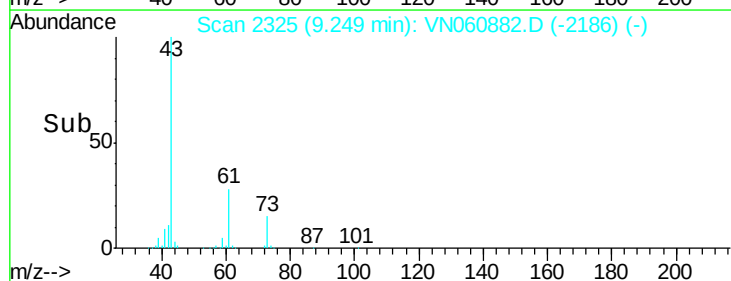
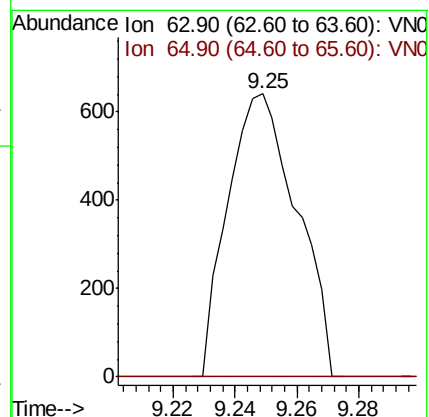
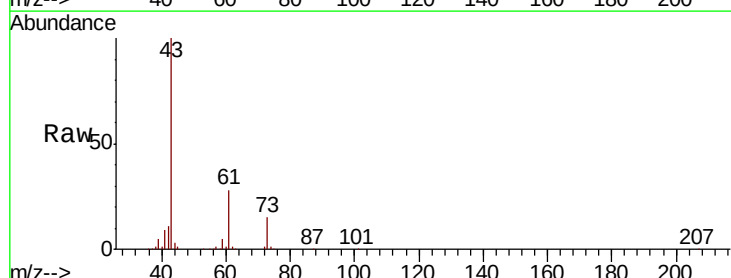
Acq: 7 Apr 2020 17:12

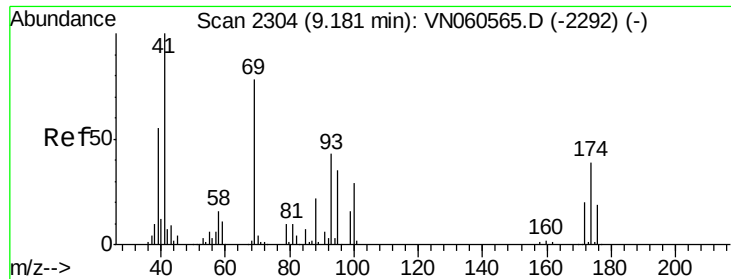
Tgt Ion: 63 Resp: 994

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

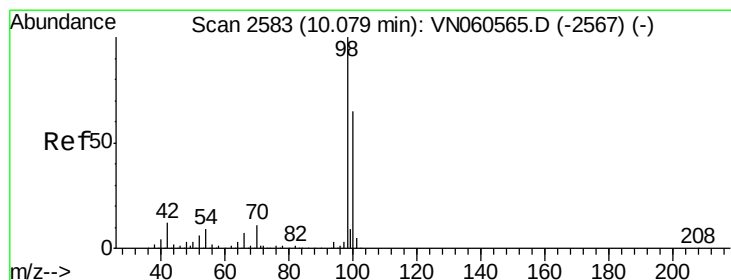
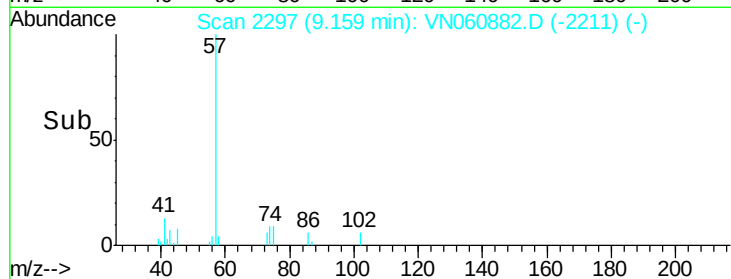
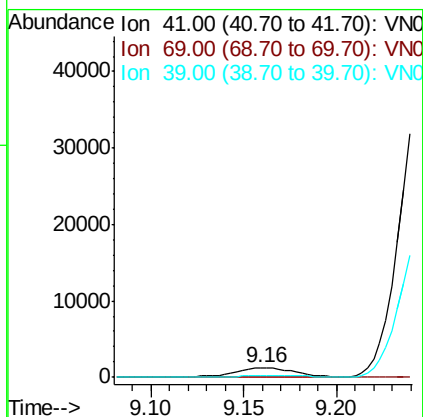
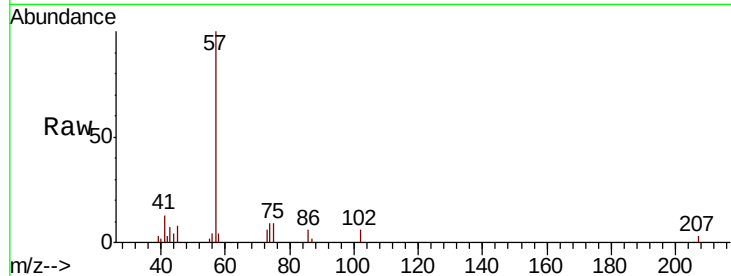




#48
Methvl methacrylate
Concen: 1.154 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060882.D
Acq: 7 Apr 2020 17:12

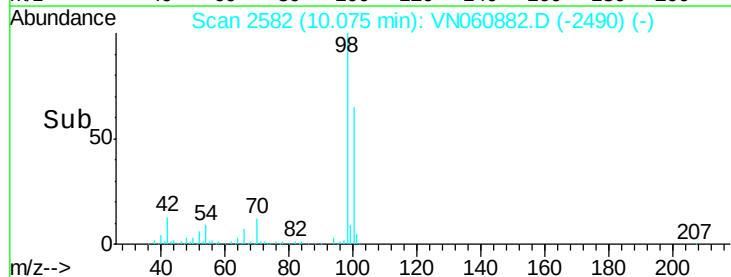
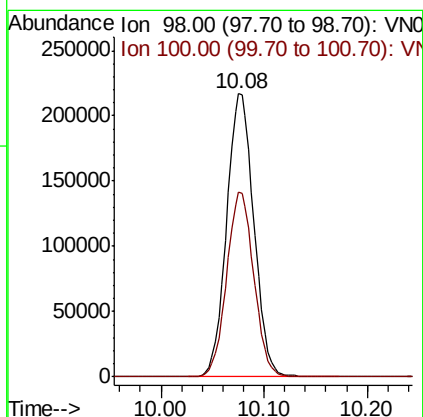
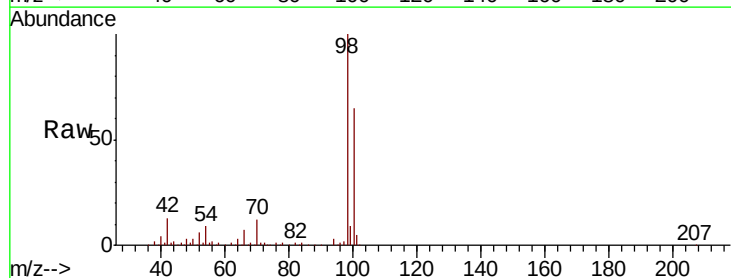
Instrument :
MSVOA_N
ClientSampleId :
TP-45-COMP

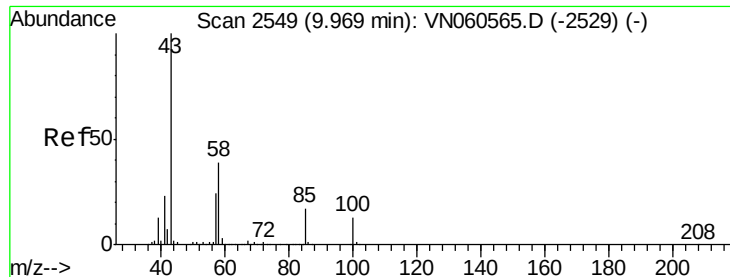
Tot Ion: 41 Resp: 2856
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.165 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060882.D
Acq: 7 Apr 2020 17:12

Tgt Ion: 98 Resp: 398982
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8

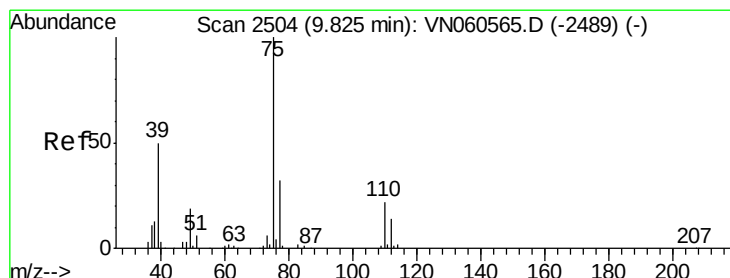
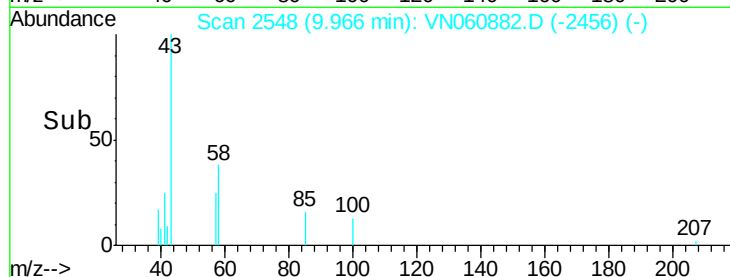
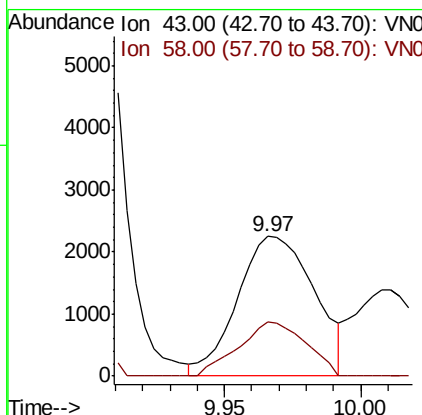
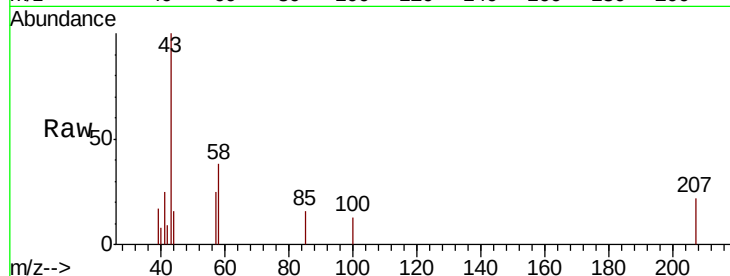




#51
 4-Methyl-2-Pentanone
 Concen: 1.396 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060882.D
 Acq: 7 Apr 2020 17:12

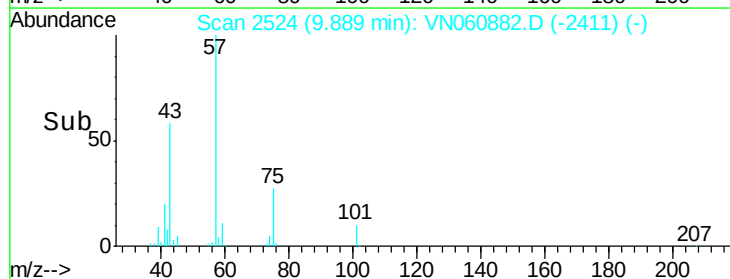
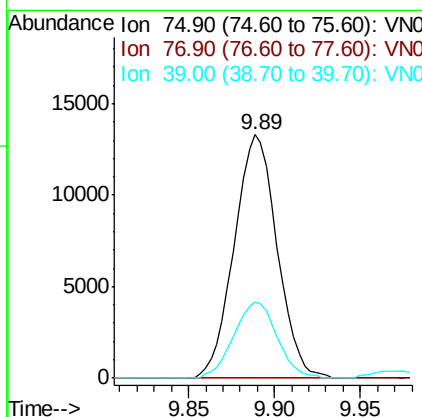
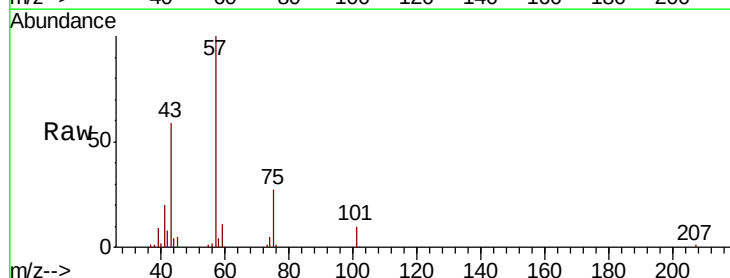
Instrument :
 MSVOA_N
 ClientSampled :
 TP-45-COMP

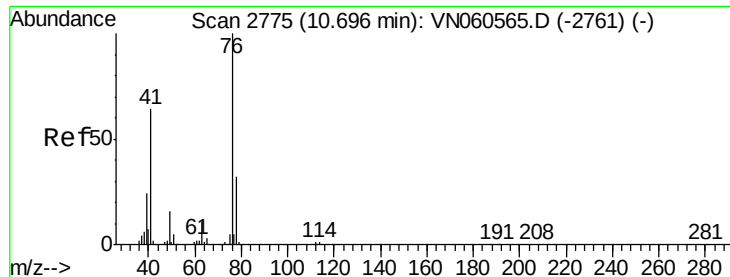
Tot Ion: 43 Resp: 4415
 Ion Ratio Lower Upper
 43 100
 58 33.9 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 5.853 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060882.D
 Acq: 7 Apr 2020 17:12

Tgt Ion: 75 Resp: 23015
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 31.1 40.2 60.4#

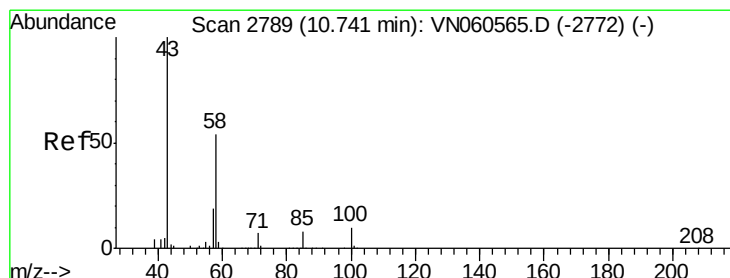
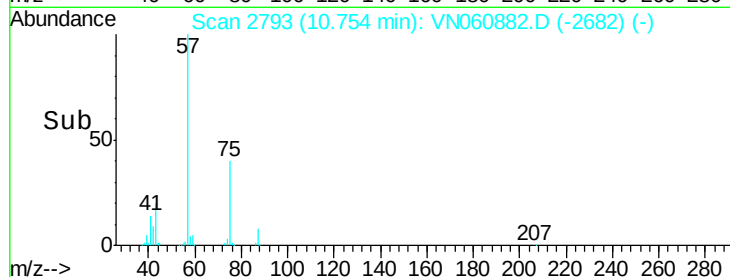
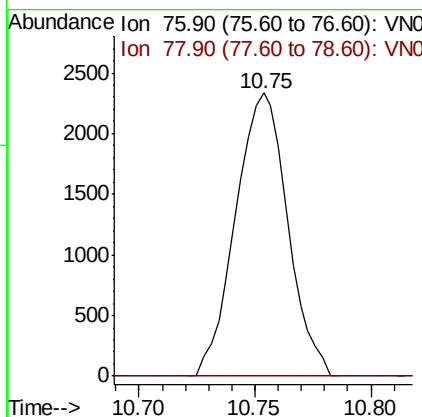
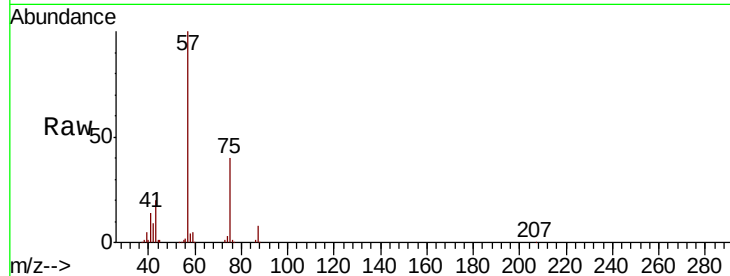




#57
 1,3-Dichloropropane
 Concen: 0.959 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060882.D
 Acq: 7 Apr 2020 17:12

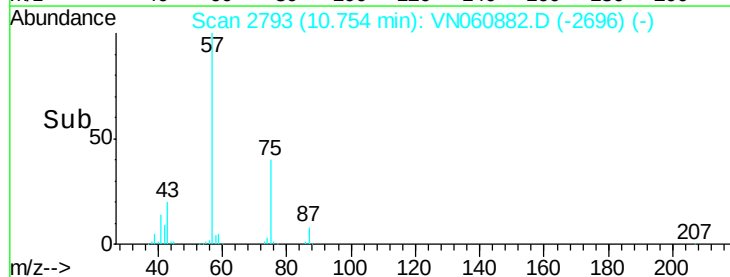
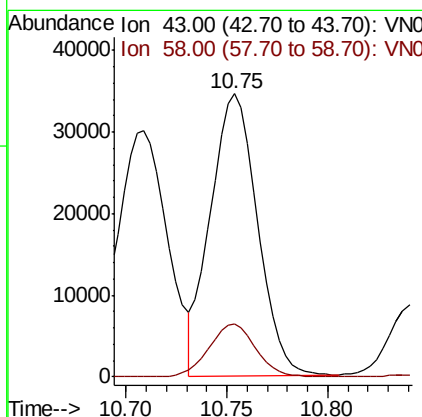
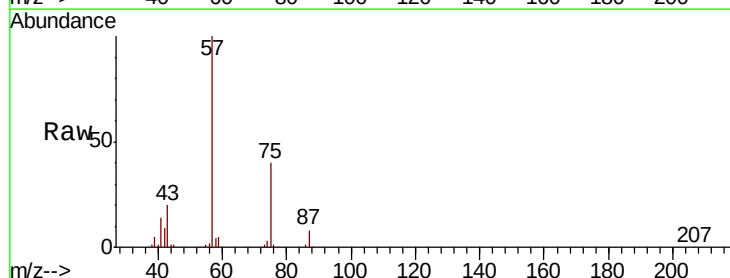
Instrument :
 MSVOA_N
 ClientSampled :
 TP-45-COMP

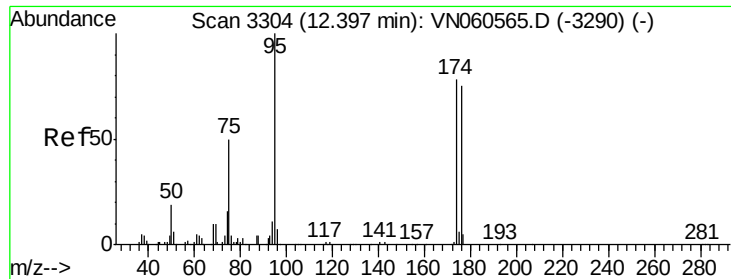
Tot Ion: 76 Resp: 3641
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 24.665 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060882.D
 Acq: 7 Apr 2020 17:12

Tgt Ion: 43 Resp: 56178
 Ion Ratio Lower Upper
 43 100
 58 18.5 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 51.001 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060882.D

Acq: 7 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

TP-45-COMP

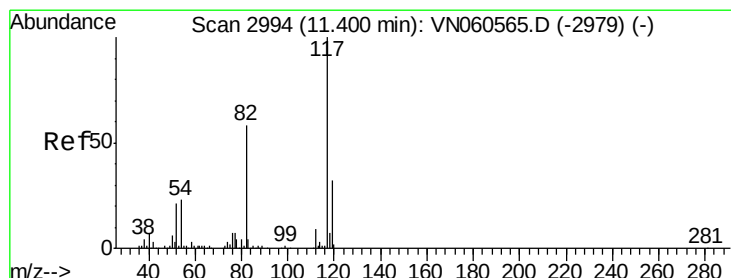
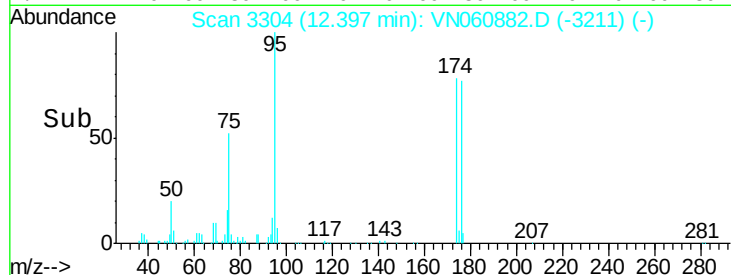
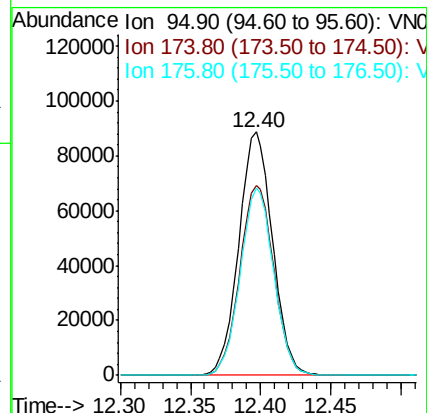
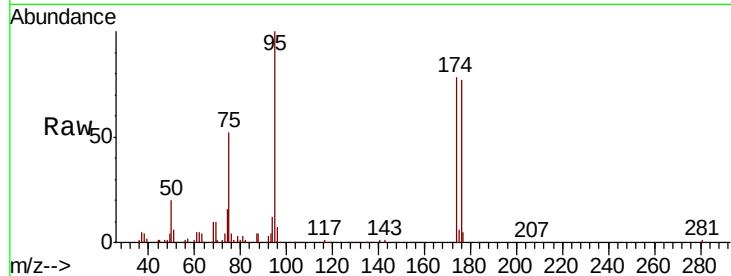
Tot Ion: 95 Resp: 148657

Ion Ratio Lower Upper

95 100

174 78.8 0.0 157.6

176 76.3 0.0 150.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060882.D

Acq: 7 Apr 2020 17:12

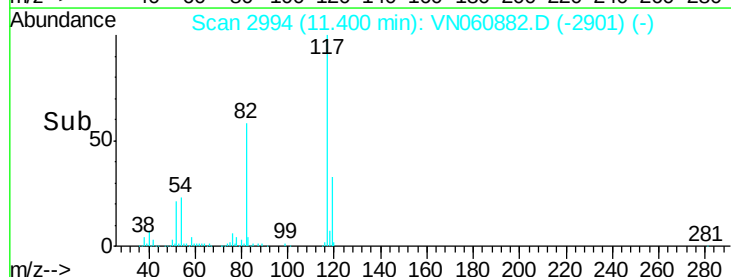
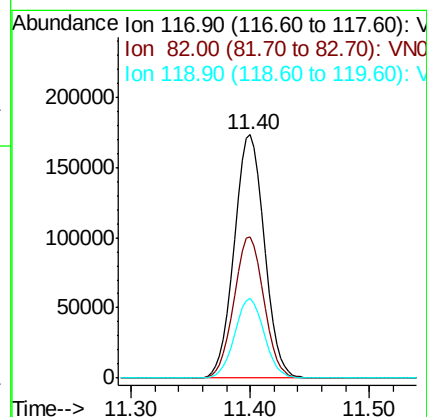
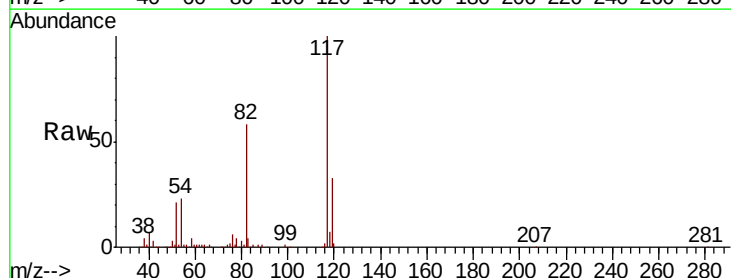
Tgt Ion: 117 Resp: 304207

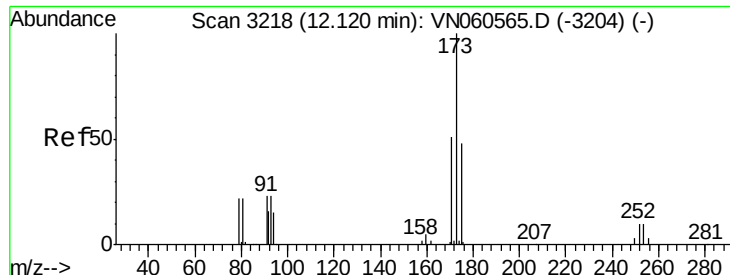
Ion Ratio Lower Upper

117 100

82 58.2 46.7 70.1

119 32.5 25.5 38.3





#71

Bromoform

Concen: 1.897 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060882.D

Acq: 7 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampled :

TP-45-COMP

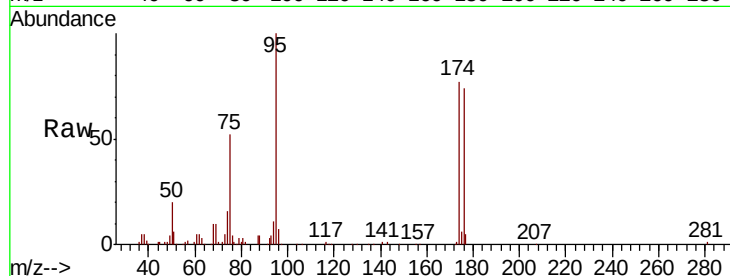
Tot Ion:173 Resp: 407

Ion Ratio Lower Upper

173 100

175 1797.1 24.1 72.4#

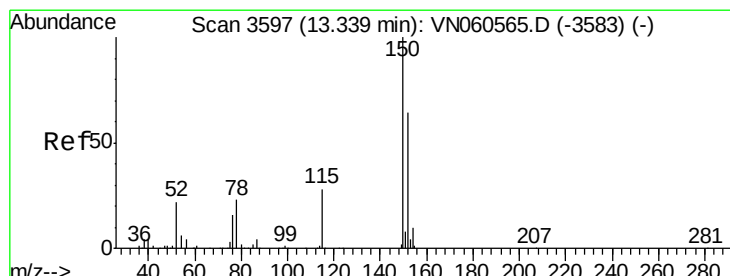
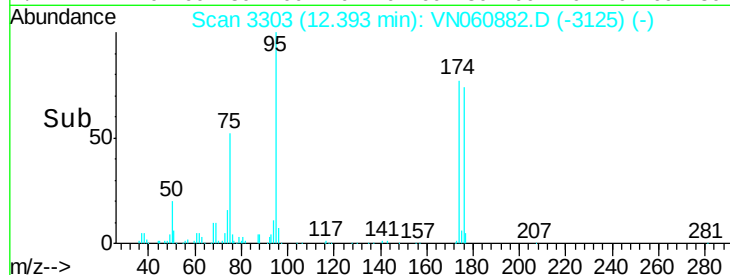
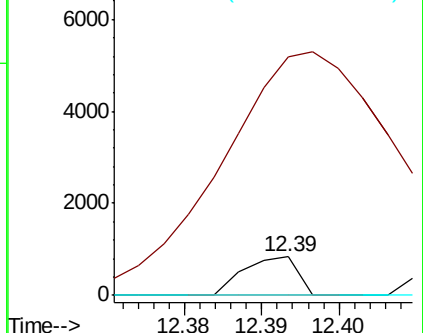
254 0.0 0.0 0.0



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: VN060882.D

Acq: 7 Apr 2020 17:12

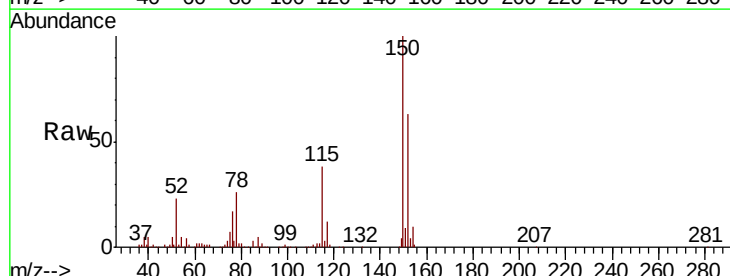
Tgt Ion:152 Resp: 138243

Ion Ratio Lower Upper

152 100

115 59.6 30.2 90.6

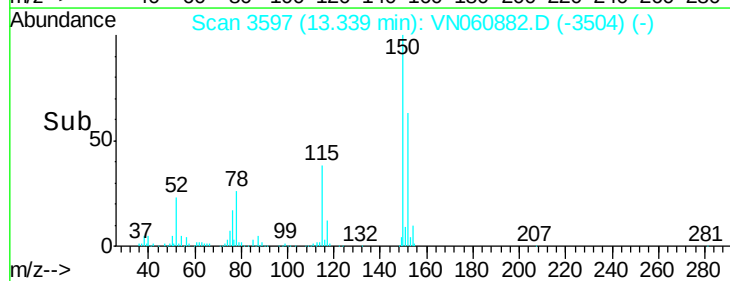
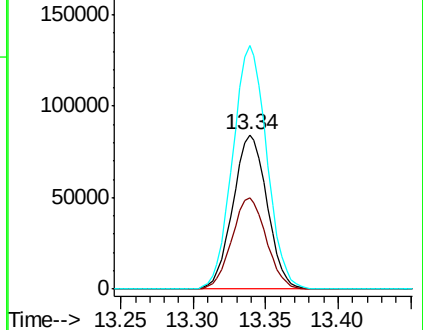
150 157.2 0.0 350.2

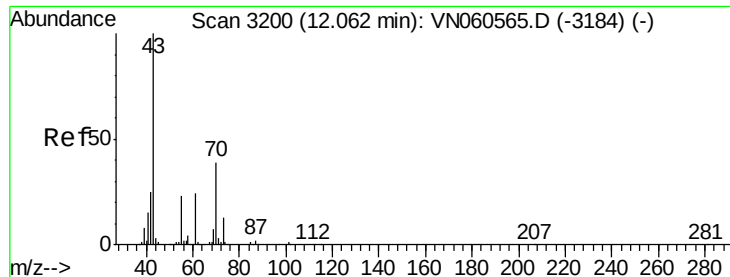


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

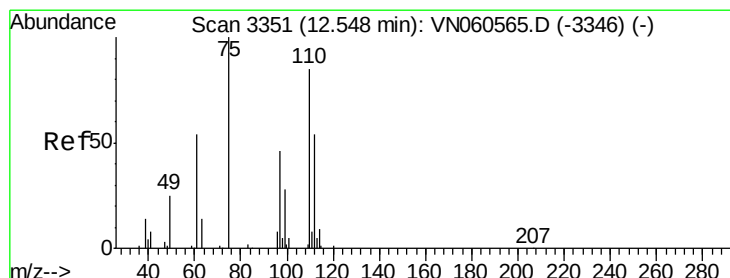
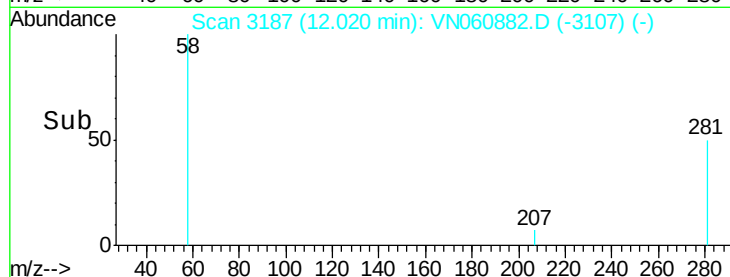
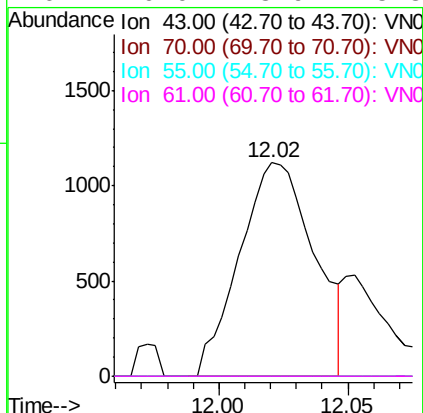
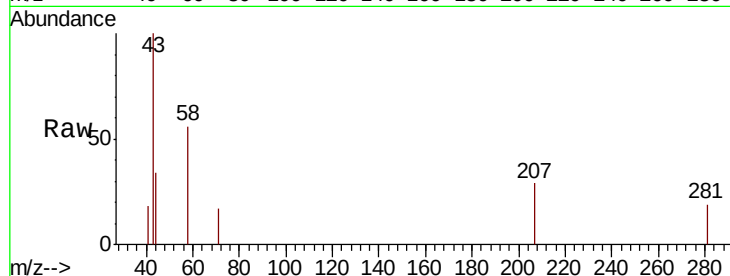




#74
N-amvl acetate
Concen: 0.472 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060882.D
Acq: 7 Apr 2020 17:12

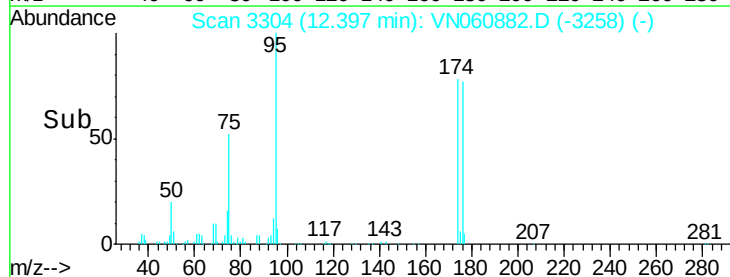
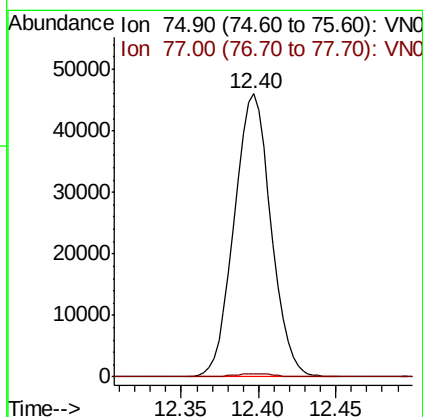
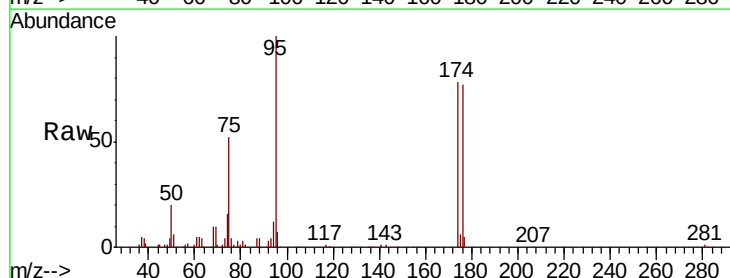
Instrument :
MSVOA_N
ClientSampled :
TP-45-COMP

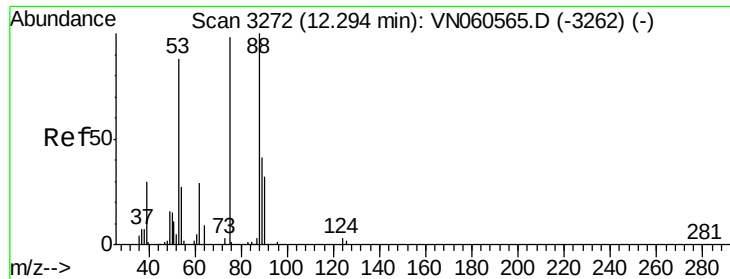
Tot Ion: 43 Resp: 2265
Ion Ratio Lower Upper
43 100
70 0.0 31.1 46.7#
55 0.0 18.6 27.8#
61 0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 25.476 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060882.D
Acq: 7 Apr 2020 17:12

Tgt Ion: 75 Resp: 75994
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.429 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060882.D

Acq: 7 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

TP-45-COMP

Tot Ion: 75 Resp: 75994

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

