

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060880.D
 Acq On : 7 Apr 2020 16:26
 Operator : JC/MD
 Sample : L2166-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-47-COMP

Quant Time: Apr 08 05:54:44 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	200782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	337285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	316260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142880	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	131277	47.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.26%	
35) Dibromofluoromethane	7.56	113	99068	48.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.16%	
50) Toluene-d8	10.08	98	415128	49.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	154981	50.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.52%	

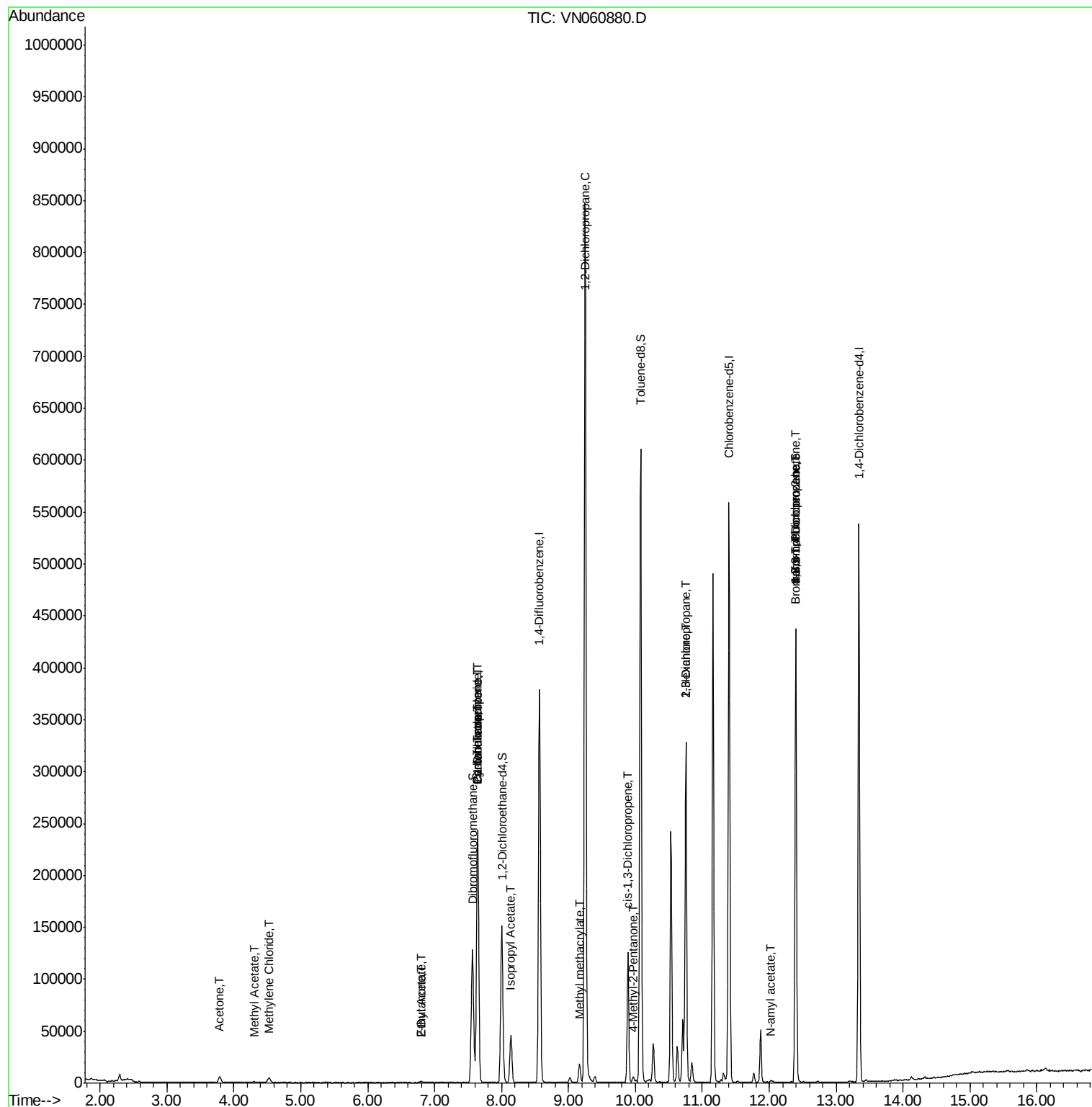
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	10690	10.949	ug/l	98
18) Methyl Acetate	4.30	43	1838	0.669	ug/l #	54
20) Methylene Chloride	4.53	84	3531	1.470	ug/l	98
25) 2-Butanone	6.81	43	2344	1.484	ug/l #	50
31) Cyclohexane	7.64	56	4179	0.941	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16096	4.928	ug/l #	50
37) Ethyl Acetate	6.81	43	2344	0.664	ug/l #	70
38) Carbon Tetrachloride	7.64	117	19226	6.568	ug/l #	16
43) Isopropyl Acetate	8.14	43	54659	9.392	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	904	0.347	ug/l #	43
48) Methyl methacrylate	9.16	41	2786	1.075	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4225	1.276	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	21592	5.243	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	3207	0.807	ug/l #	42
59) 2-Hexanone	10.75	43	48921	20.506	ug/l #	51
71) Bromoform	12.38	173	126	1.745	ug/l #	1
74) N-amyl acetate	12.02	43	2665	0.538	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	78900	25.591	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	78900	65.727	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# 1825

Delta R.T. -0.00 min

Lab File: VN060880.D

Acq: 7 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

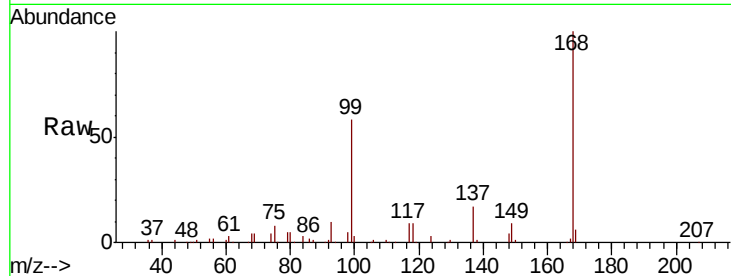
TP-47-COMP

Tot Ion:168 Resp: 200782

Ion Ratio Lower Upper

168 100

99 57.7 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

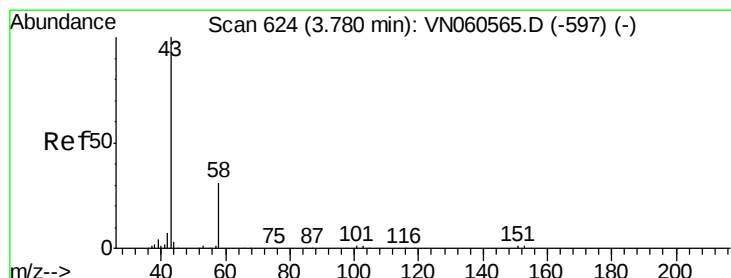
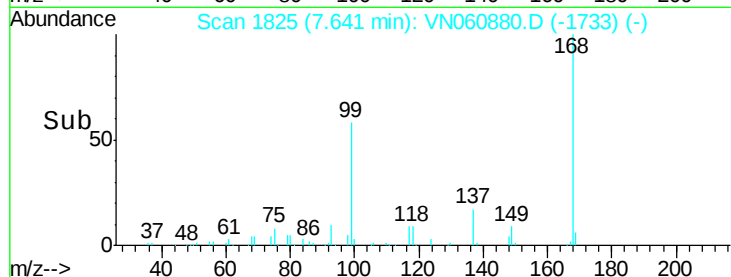
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 10.949 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060880.D

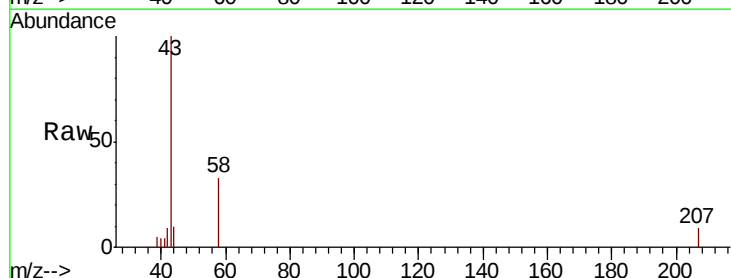
Acq: 7 Apr 2020 16:26

Tgt Ion: 43 Resp: 10690

Ion Ratio Lower Upper

43 100

58 32.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

4000

3000

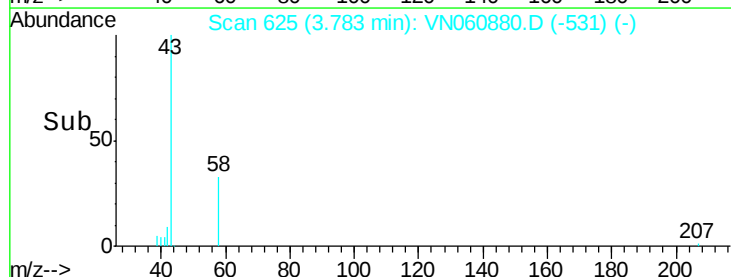
2000

1000

0

3.70 3.75 3.80 3.85

Time-->

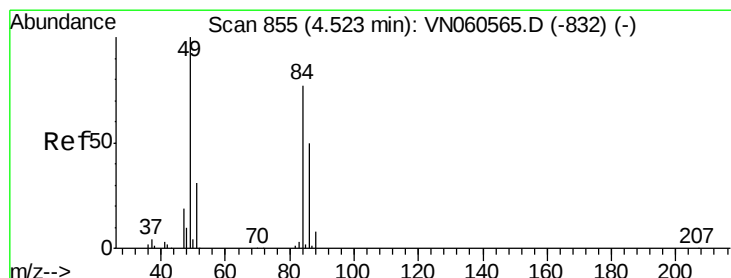
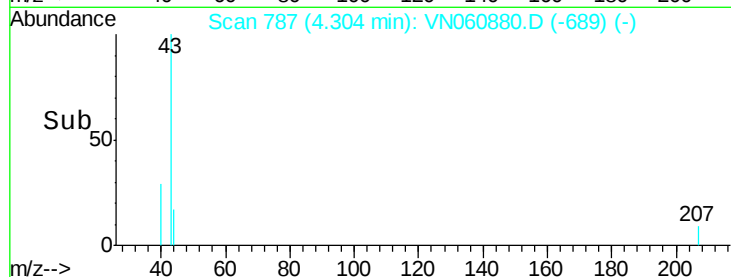
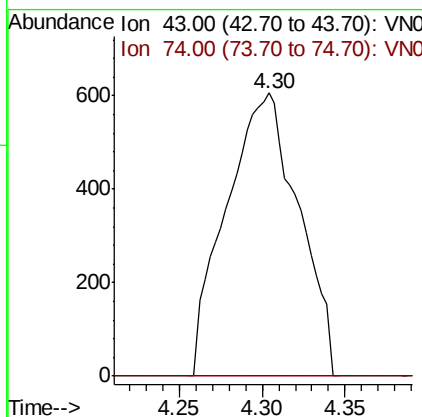
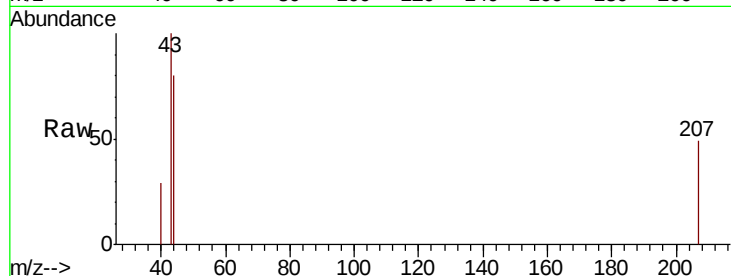




#18
Methyl Acetate
Concen: 0.669 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN060880.D
Acq: 7 Apr 2020 16:26

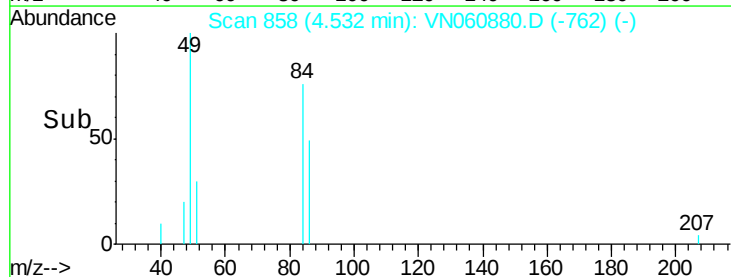
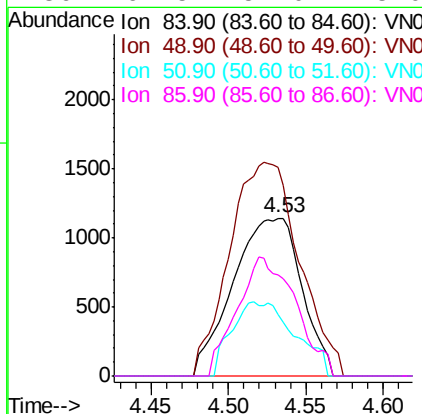
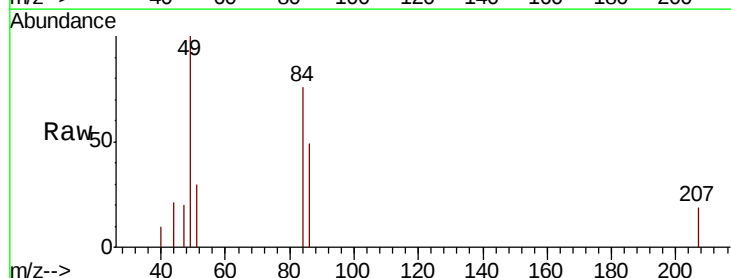
Instrument :
MSVOA_N
ClientSampled :
TP-47-COMP

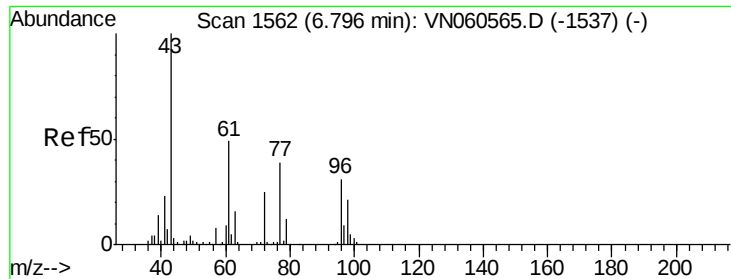
Tot Ion: 43 Resp: 1838
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.470 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN060880.D
Acq: 7 Apr 2020 16:26

Tgt Ion: 84 Resp: 3531
Ion Ratio Lower Upper
84 100
49 132.2 103.3 154.9
51 39.4 31.6 47.4
86 64.5 52.0 78.0

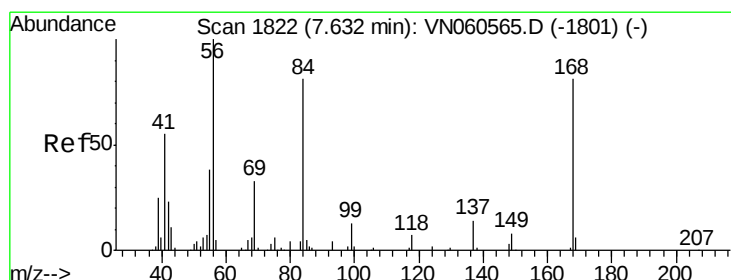
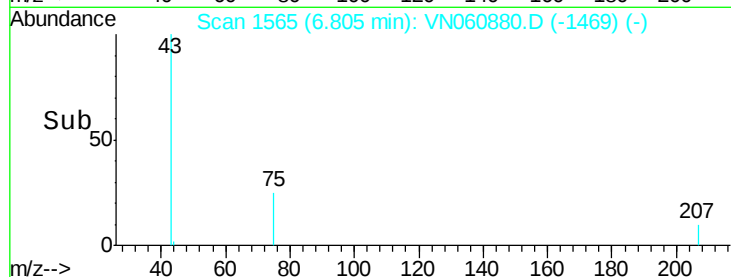
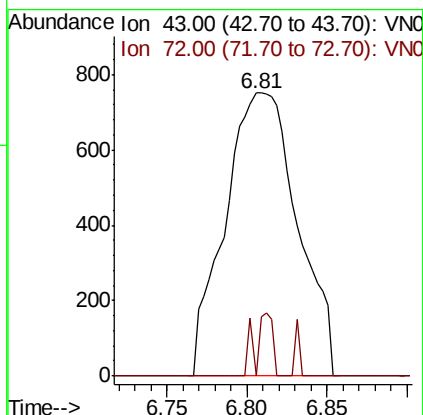
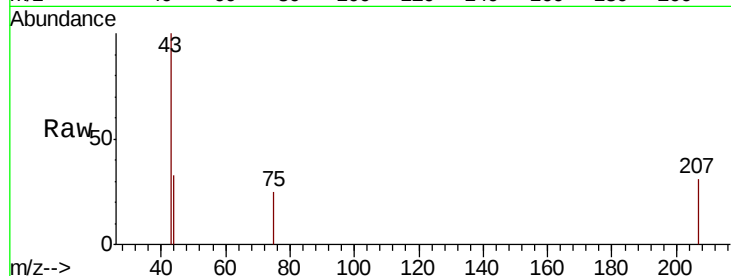




#25
2-Butanone
Concen: 1.484 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN060880.D
Acq: 7 Apr 2020 16:26

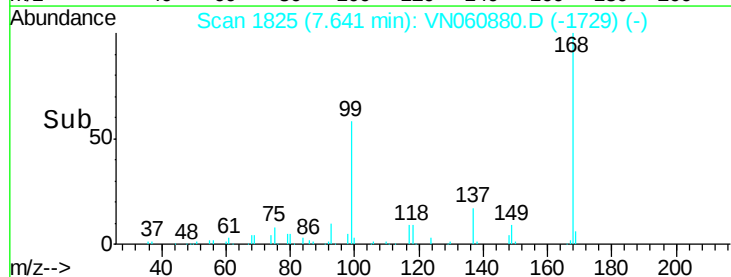
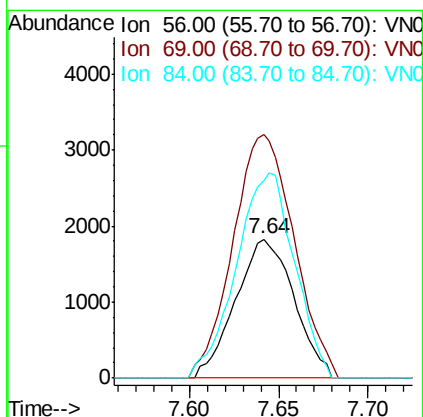
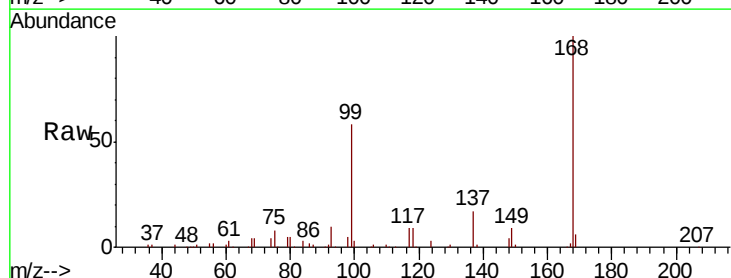
Instrument :
MSVOA_N
ClientSampleId :
TP-47-COMP

Tot Ion: 43 Resp: 2344
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.941 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060880.D
Acq: 7 Apr 2020 16:26

Tgt Ion: 56 Resp: 4179
Ion Ratio Lower Upper
56 100
69 175.0 26.6 40.0#
84 142.0 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 47.628 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060880.D

Acq: 7 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

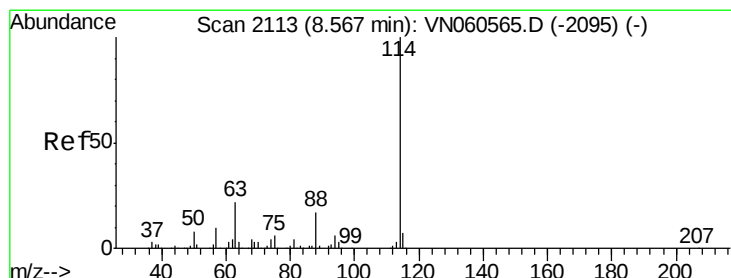
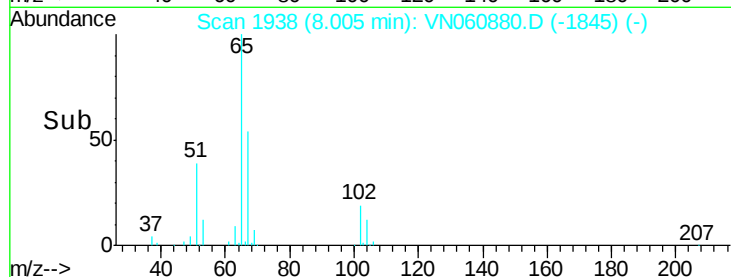
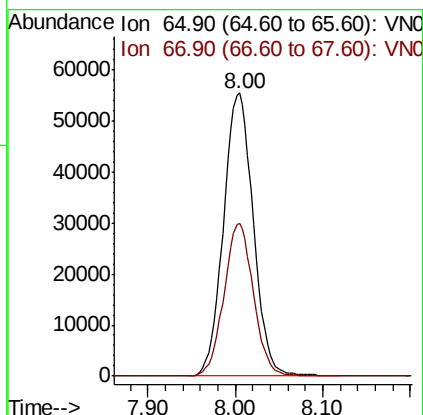
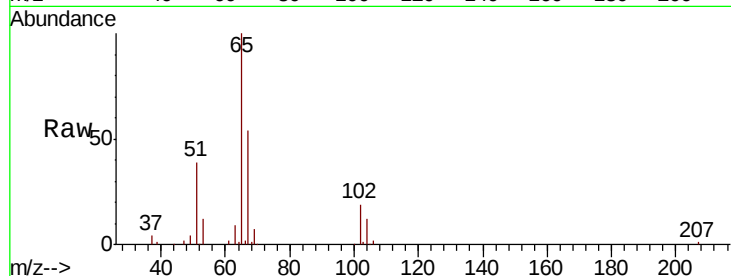
TP-47-COMP

Tot Ion: 65 Resp: 131277

Ion Ratio Lower Upper

65 100

67 53.1 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: VN060880.D

Acq: 7 Apr 2020 16:26

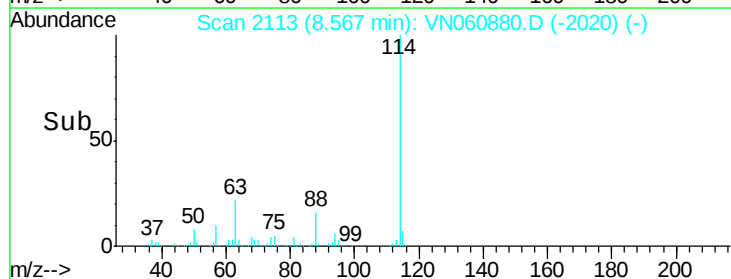
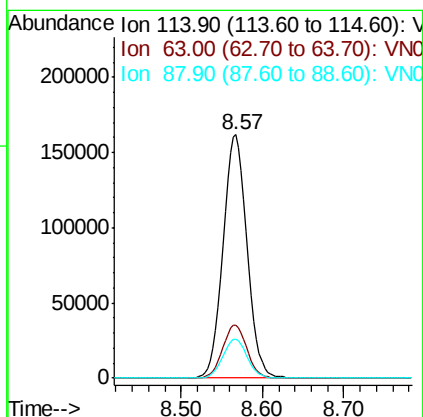
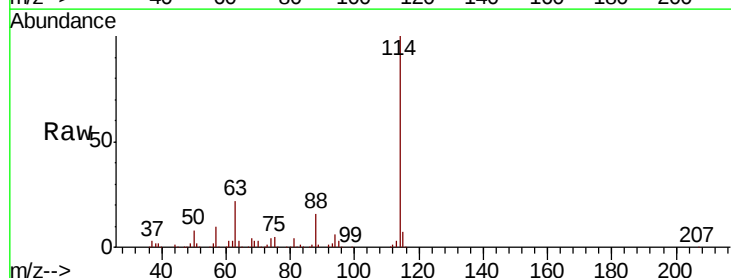
Tgt Ion: 114 Resp: 337285

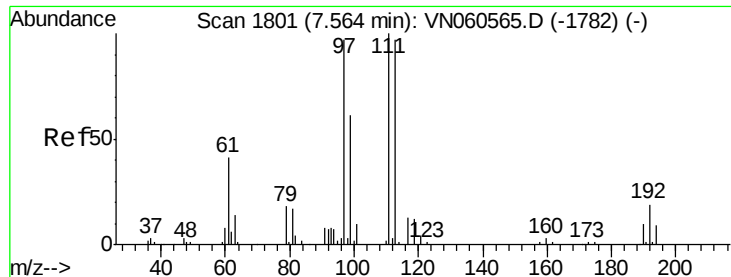
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

88 16.1 0.0 33.0

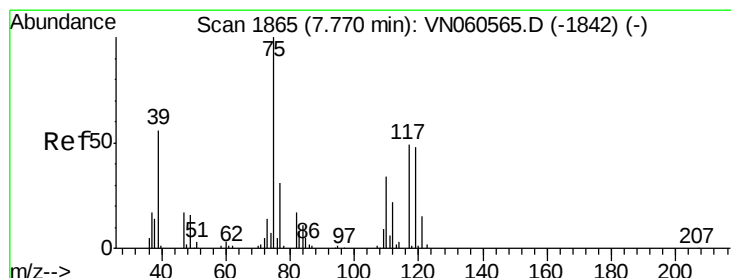
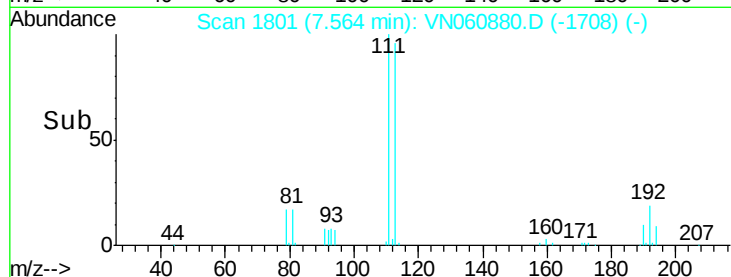
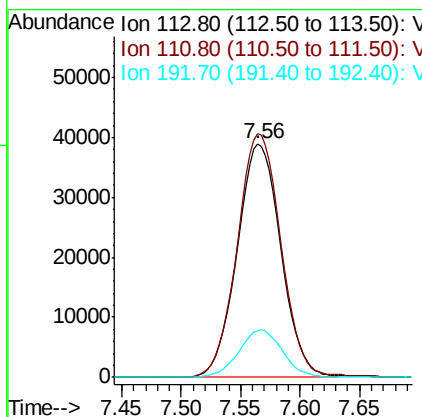
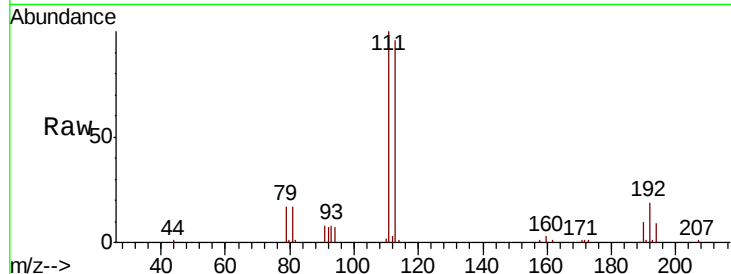




#35
 Dibromofluoromethane
 Concen: 48.576 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060880.D
 Acq: 7 Apr 2020 16:26

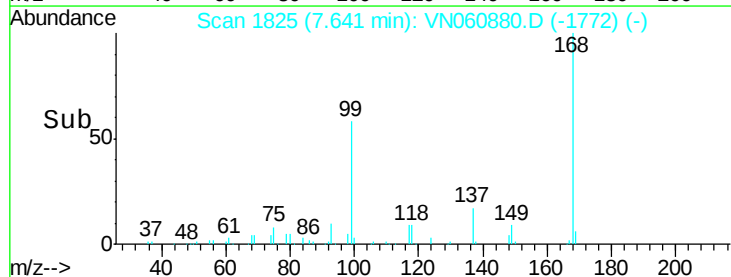
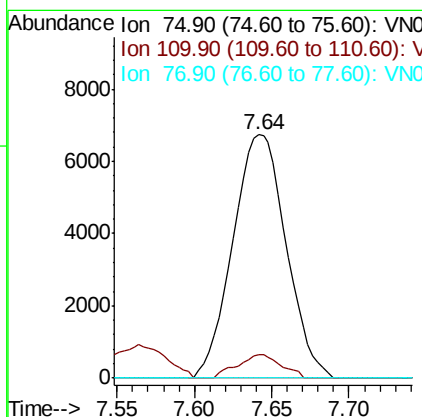
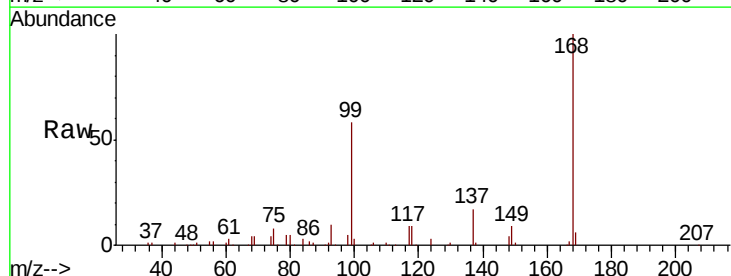
Instrument :
 MSVOA_N
 ClientSampled :
 TP-47-COMP

Tot Ion:113 Resp: 99068
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.9 124.3
 192 20.3 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.928 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060880.D
 Acq: 7 Apr 2020 16:26

Tgt Ion: 75 Resp: 16096
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.9 50.6#
 77 0.0 24.6 36.8#

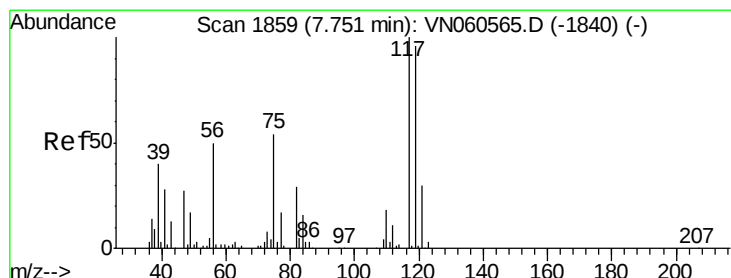
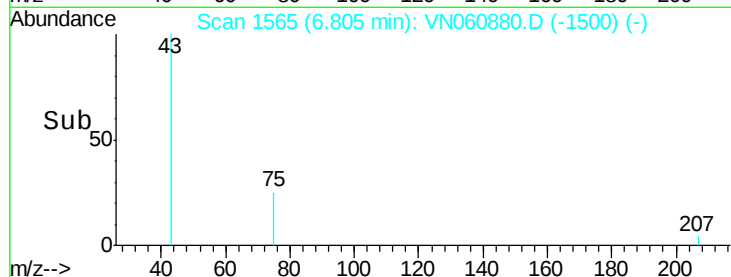
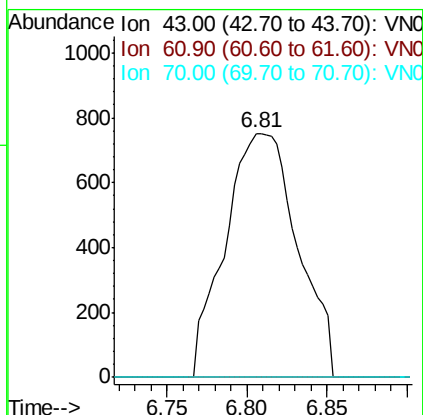
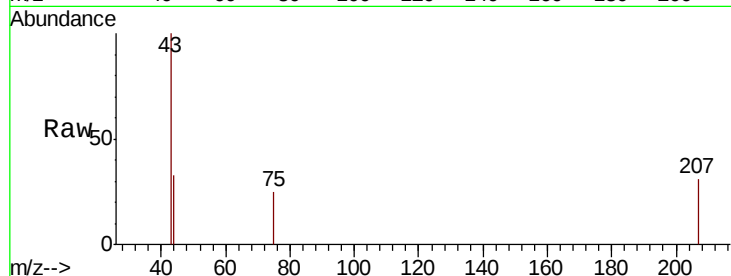




#37
Ethyl Acetate
Concen: 0.664 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.09 min
Lab File: VN060880.D
Acq: 7 Apr 2020 16:26

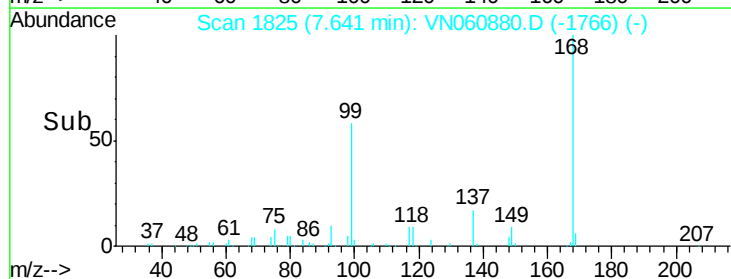
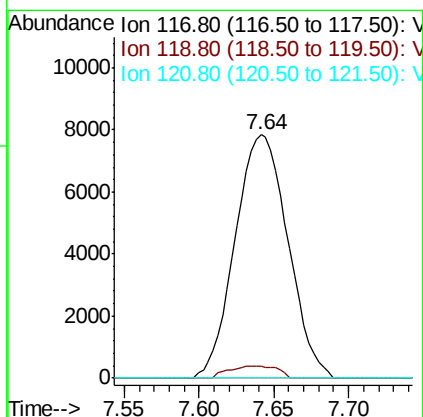
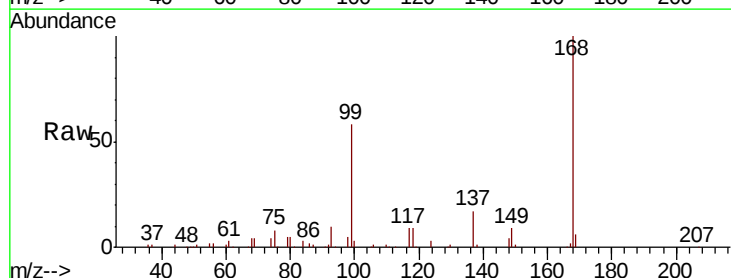
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ClientSampleId :
TP-47-COMP

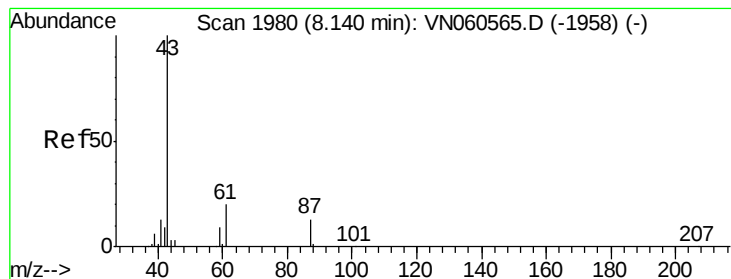
Tot Ion: 43 Resp: 2344
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.568 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060880.D
Acq: 7 Apr 2020 16:26

Tgt Ion: 117 Resp: 19226
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 9.392 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060880.D

Acq: 7 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampled :

TP-47-COMP

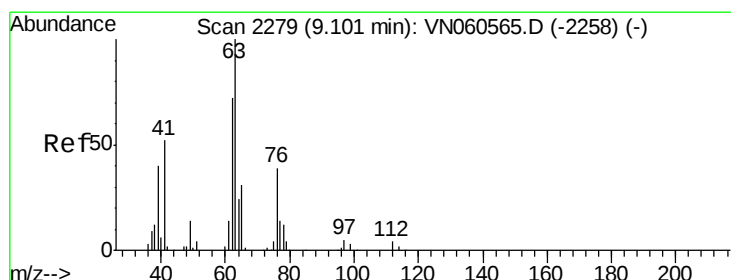
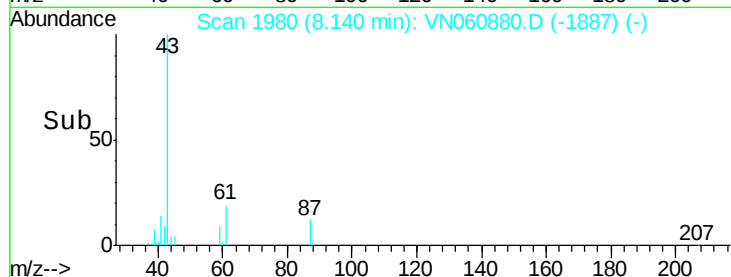
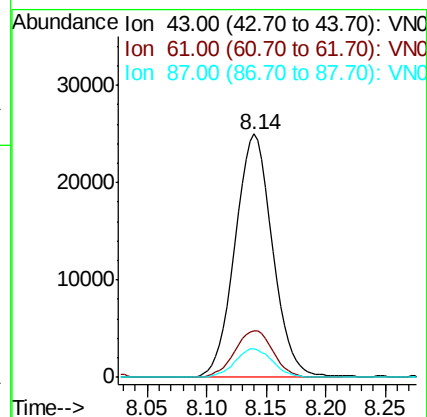
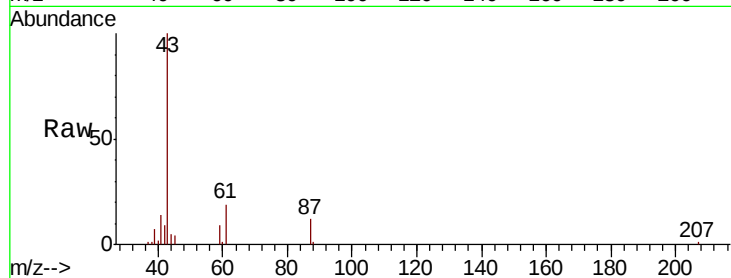
Tot Ion: 43 Resp: 54659

Ion Ratio Lower Upper

43 100

61 19.4 20.7 31.1#

87 11.7 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.347 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060880.D

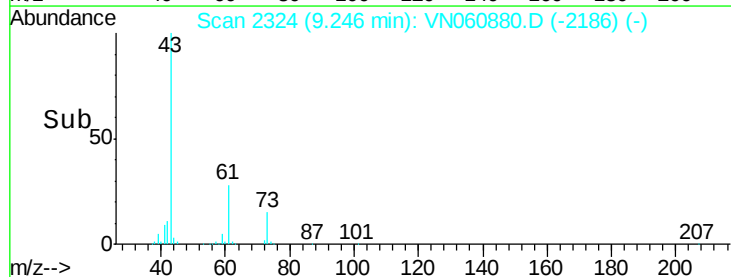
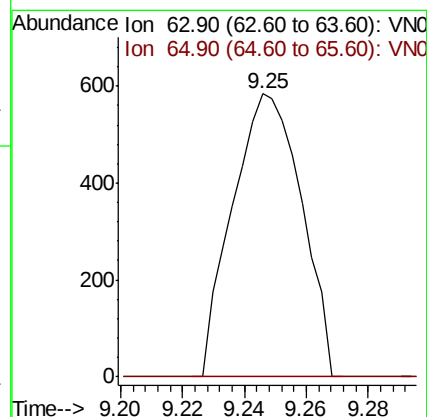
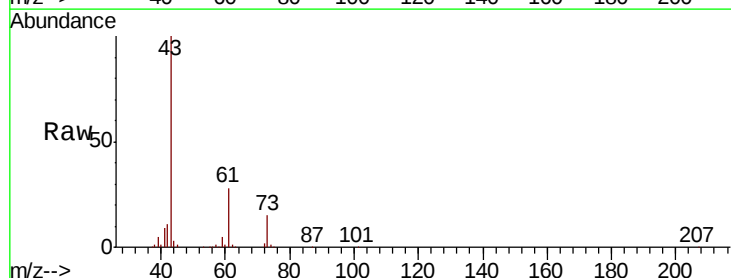
Acq: 7 Apr 2020 16:26

Tgt Ion: 63 Resp: 904

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

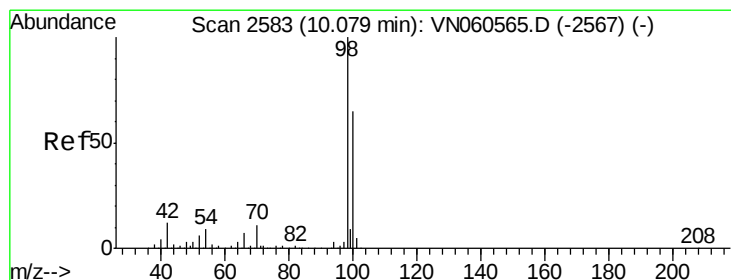
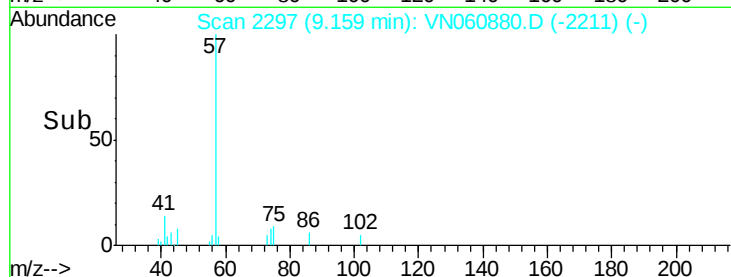
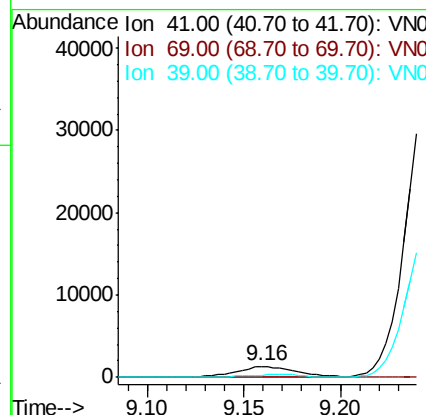
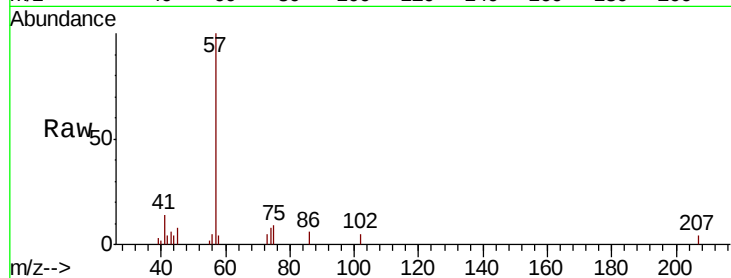




#48
Methvl methacrylate
Concen: 1.075 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060880.D
Acq: 7 Apr 2020 16:26

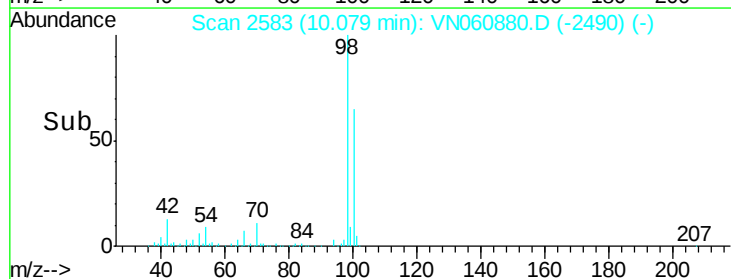
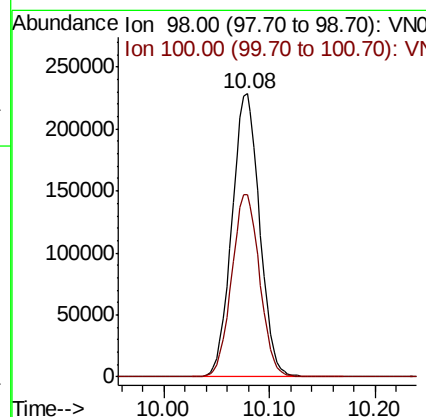
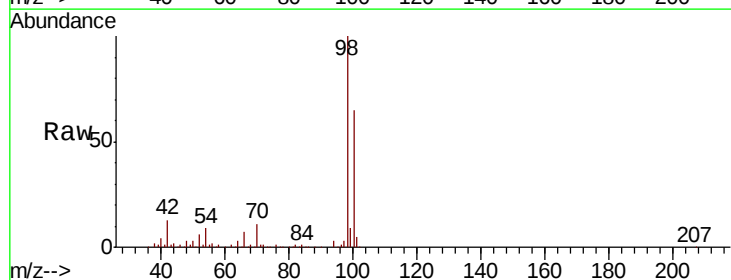
Instrument :
MSVOA_N
ClientSampleId :
TP-47-COMP

Tot Ion: 41 Resp: 2786
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 49.833 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060880.D
Acq: 7 Apr 2020 16:26

Tgt Ion: 98 Resp: 415128
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.276 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060880.D

Acq: 7 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

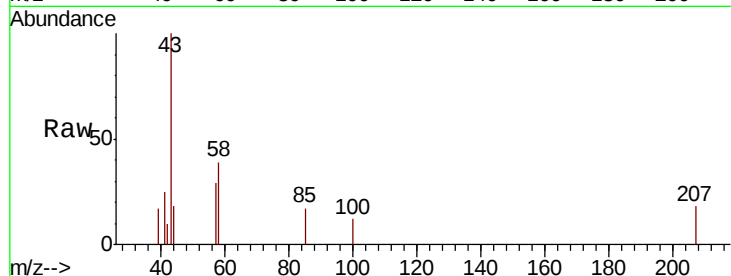
TP-47-COMP

Tot Ion: 43 Resp: 4225

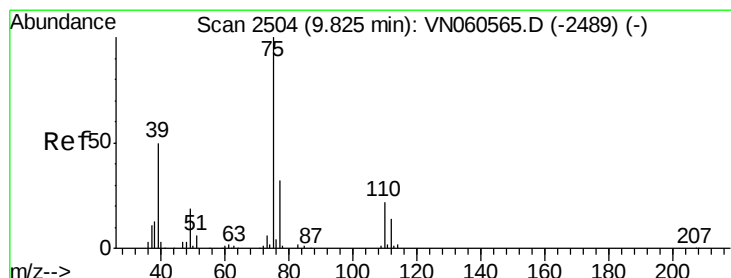
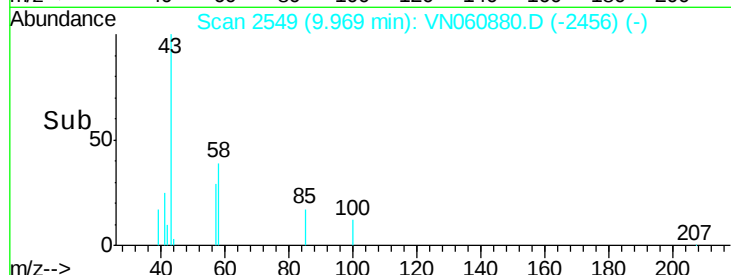
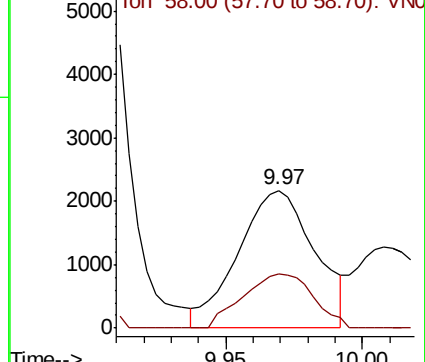
Ion Ratio Lower Upper

43 100

58 36.2 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060880.D (-2456) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.243 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060880.D

Acq: 7 Apr 2020 16:26

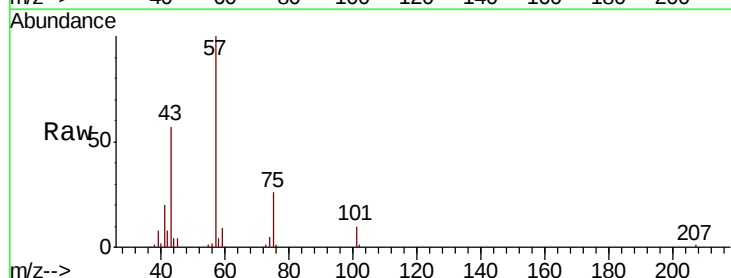
Tgt Ion: 75 Resp: 21592

Ion Ratio Lower Upper

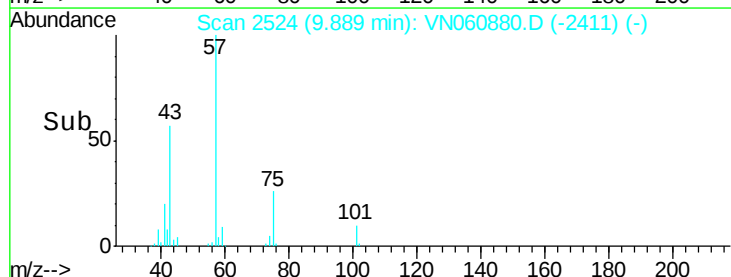
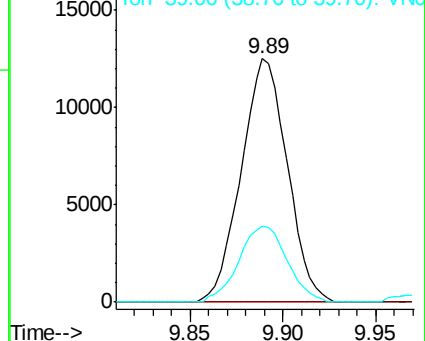
75 100

77 0.0 25.4 38.0#

39 31.0 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060880.D (-2411) (-)





#57

1,3-Dichloropropane

Concen: 0.807 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060880.D

Acq: 7 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampled :

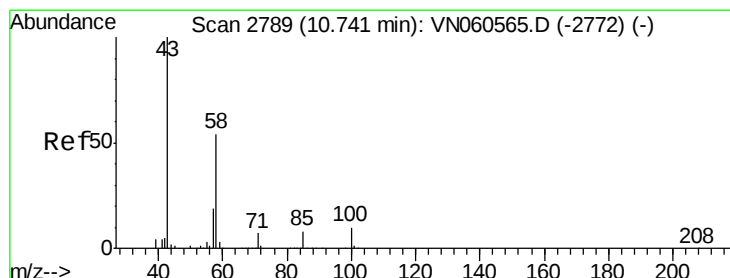
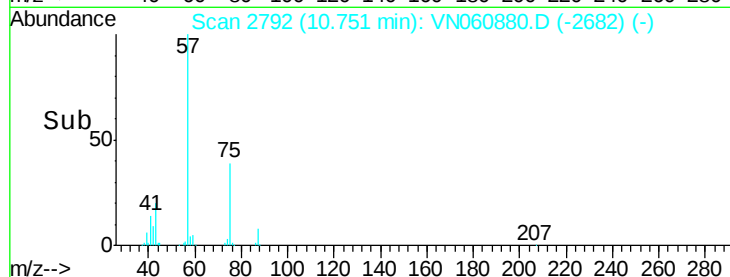
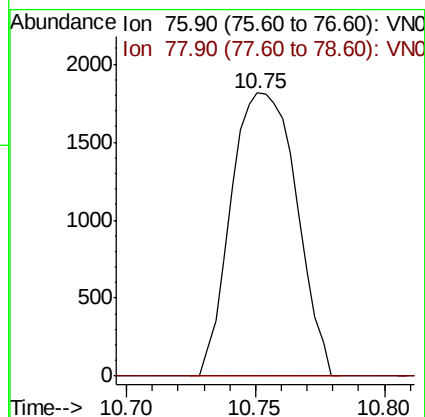
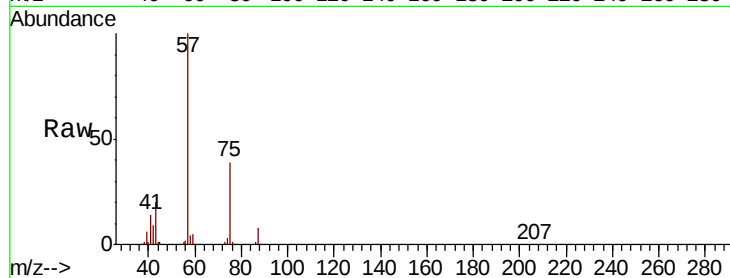
TP-47-COMP

Tot Ion: 76 Resp: 3207

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 20.506 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060880.D

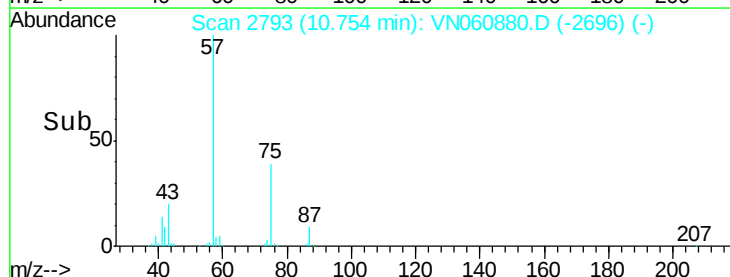
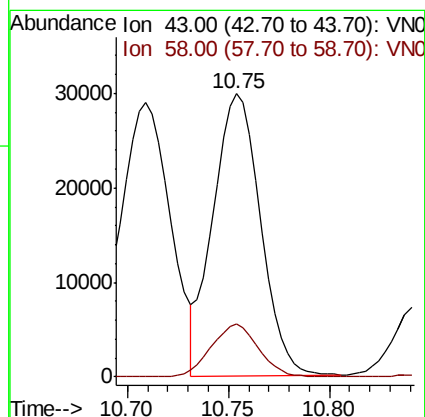
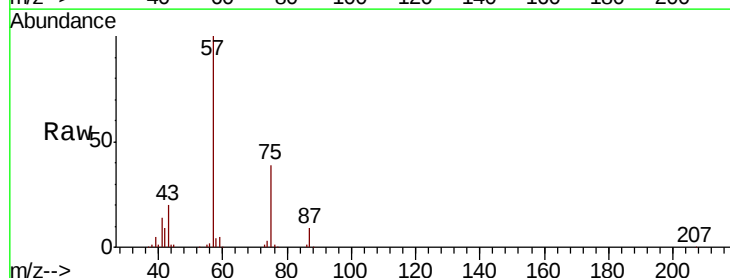
Acq: 7 Apr 2020 16:26

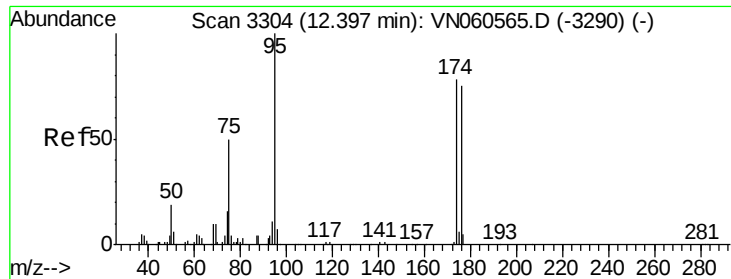
Tgt Ion: 43 Resp: 48921

Ion Ratio Lower Upper

43 100

58 18.6 26.7 80.1#

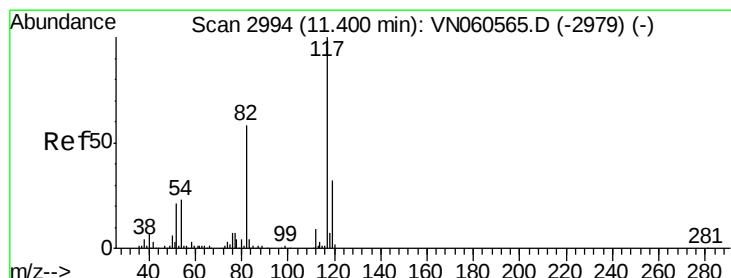
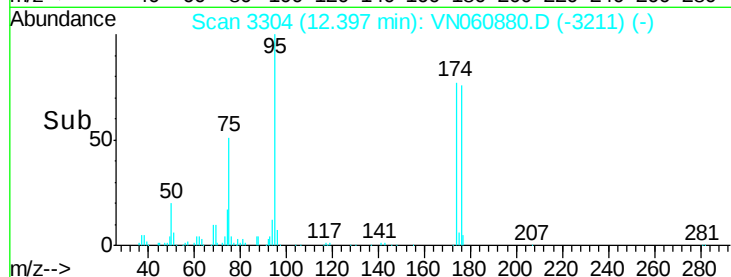
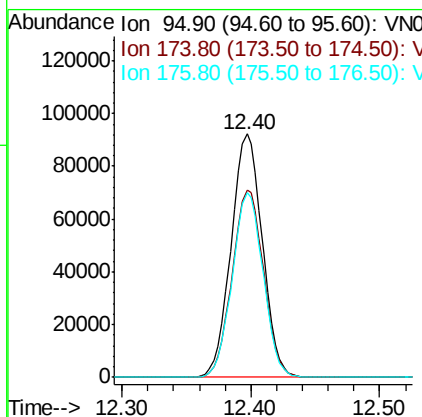
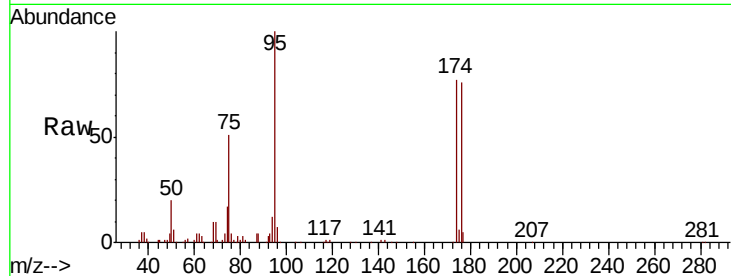




#62
4-Bromofluorobenzene
Concen: 50.764 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060880.D
Acq: 7 Apr 2020 16:26

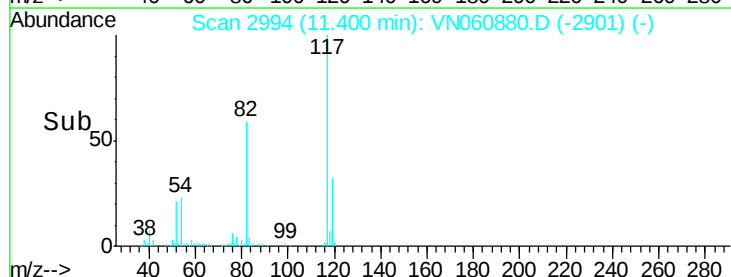
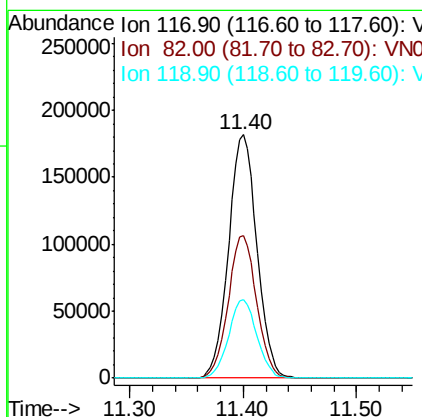
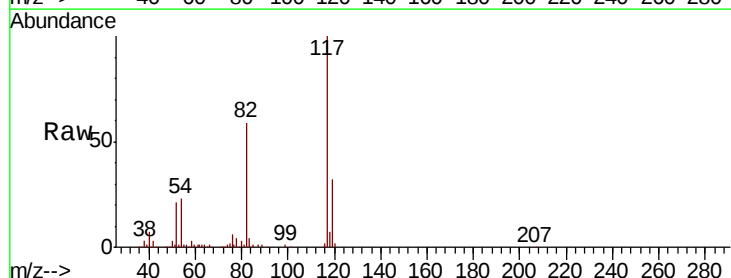
Instrument :
MSVOA_N
ClientSampleId :
TP-47-COMP

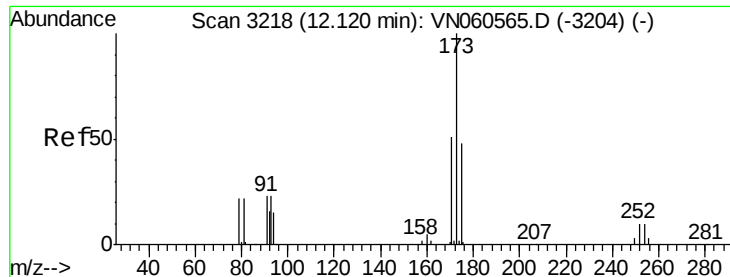
Tot Ion: 95 Resp: 154981
Ion Ratio Lower Upper
95 100
174 77.7 0.0 157.6
176 75.2 0.0 150.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060880.D
Acq: 7 Apr 2020 16:26

Tgt Ion: 117 Resp: 316260
Ion Ratio Lower Upper
117 100
82 58.6 46.7 70.1
119 32.2 25.5 38.3





#71

Bromoform

Concen: 1.745 ug/l

RT: 12.38 min Scan# 3300

Delta R.T. 0.26 min

Lab File: VN060880.D

Acq: 7 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

TP-47-COMP

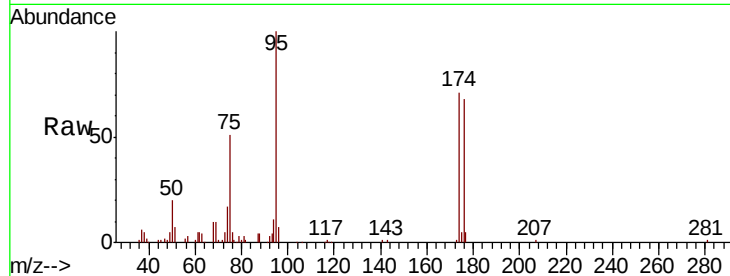
Tot Ion:173 Resp: 126

Ion Ratio Lower Upper

173 100

175 5942.1 24.1 72.4#

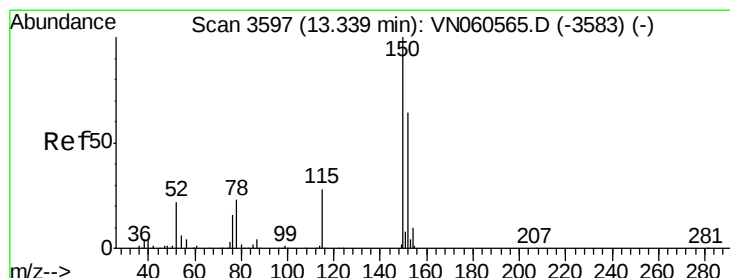
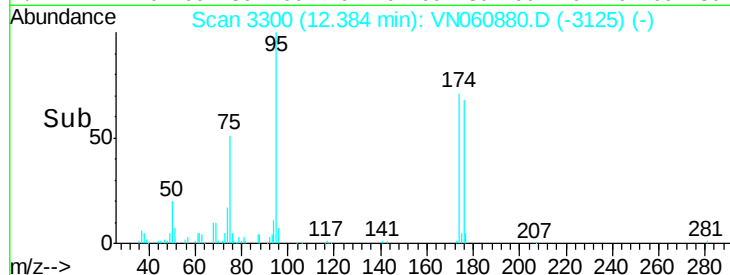
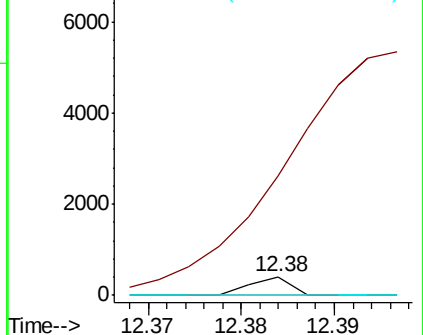
254 0.0 0.0 0.0



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: VN060880.D

Acq: 7 Apr 2020 16:26

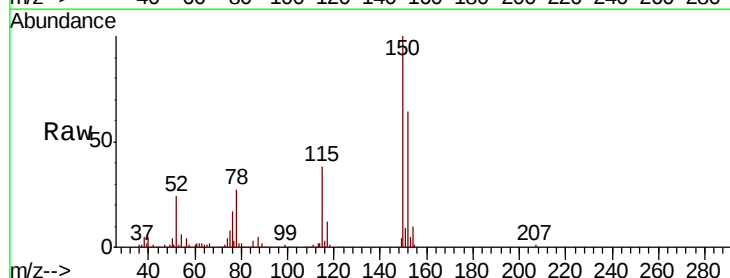
Tgt Ion:152 Resp: 142880

Ion Ratio Lower Upper

152 100

115 59.1 30.2 90.6

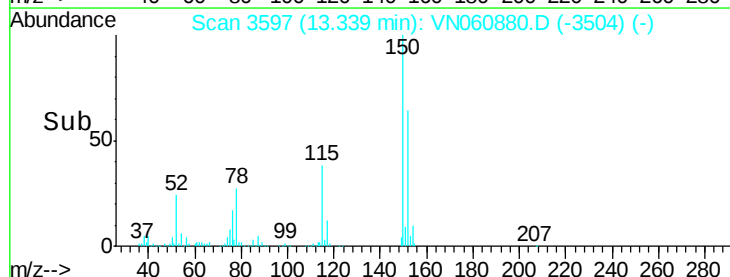
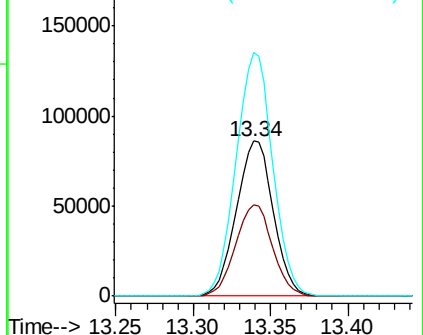
150 156.0 0.0 350.2



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: 0.538 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060880.D

Acq: 7 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampled :

TP-47-COMP

Tot Ion: 43 Resp: 2665

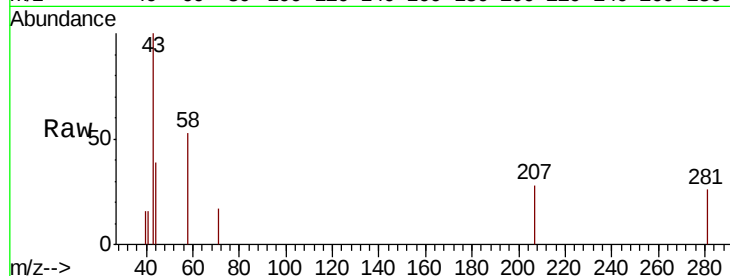
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

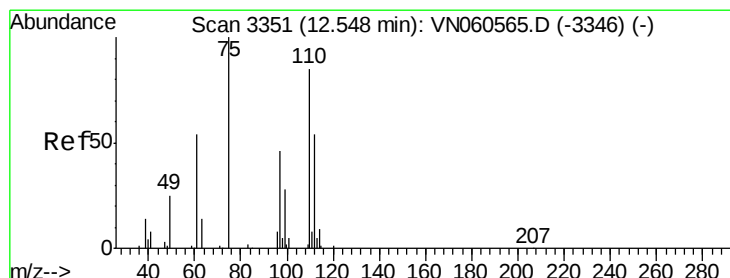
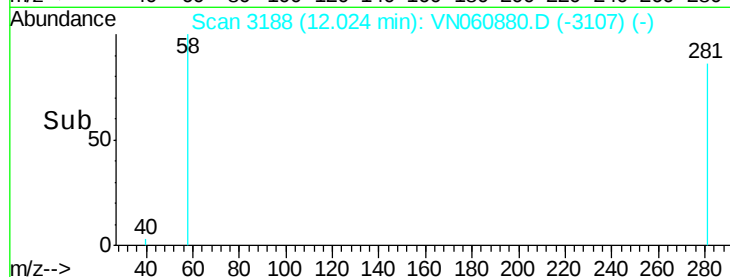
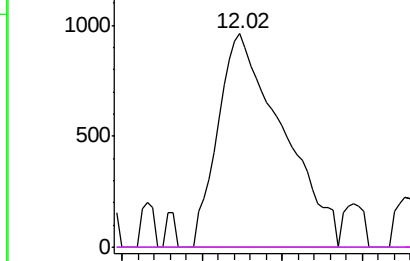


Abundance Ion 43.00 (42.70 to 43.70): VN060880.D (-3107) (-)

Ion 70.00 (69.70 to 70.70): VN060880.D (-3107) (-)

Ion 55.00 (54.70 to 55.70): VN060880.D (-3107) (-)

Ion 61.00 (60.70 to 61.70): VN060880.D (-3107) (-)



#76

1,2,3-Trichloropropane

Concen: 25.591 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060880.D

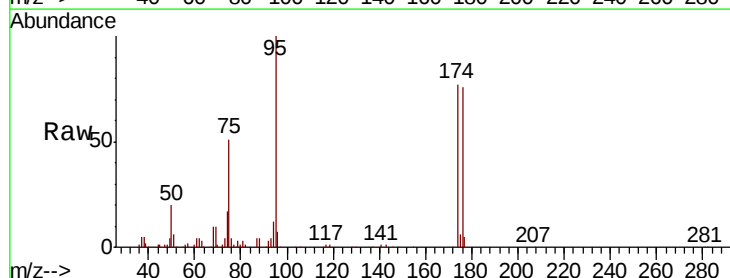
Acq: 7 Apr 2020 16:26

Tgt Ion: 75 Resp: 78900

Ion Ratio Lower Upper

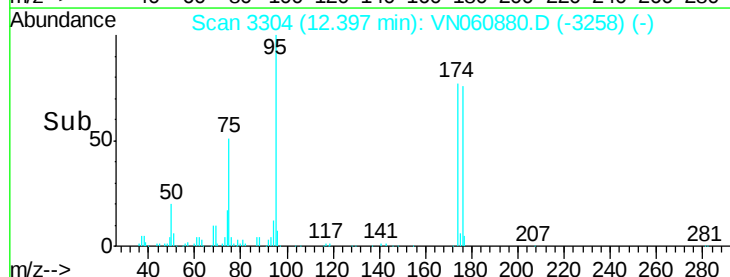
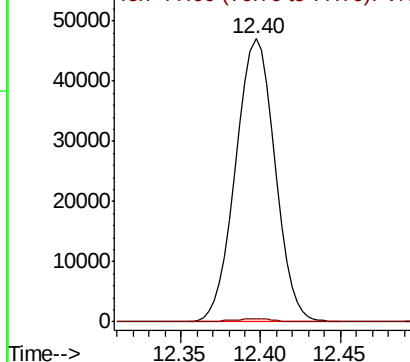
75 100

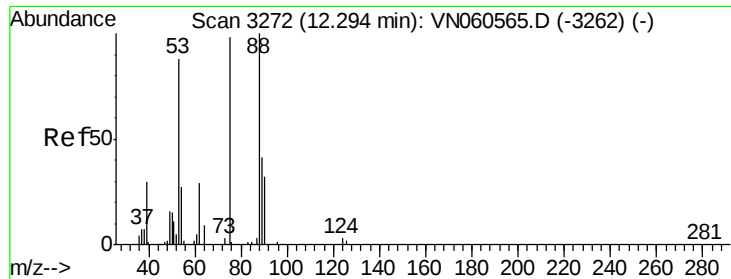
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060880.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060880.D (-3258) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 65.727 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060880.D

Acq: 7 Apr 2020 16:26

Instrument :

MSVOA_N

ClientSampleId :

TP-47-COMP

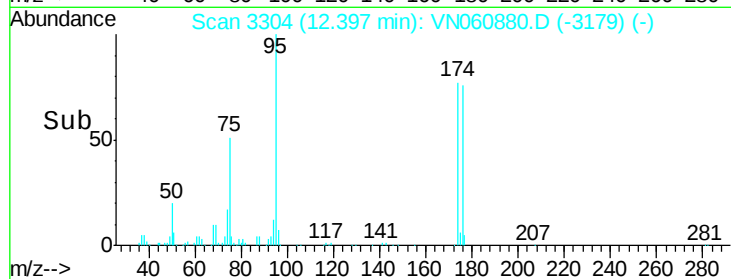
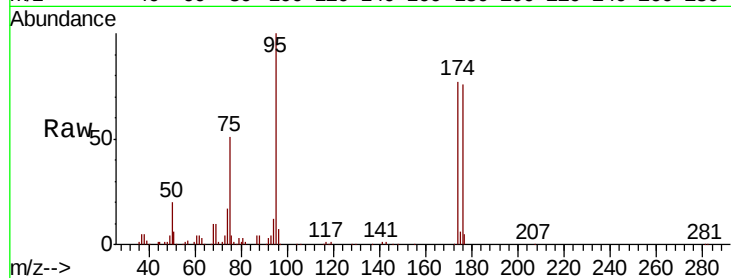
Tot Ion: 75 Resp: 78900

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

