

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060881.D
 Acq On : 7 Apr 2020 16:49
 Operator : JC/MD
 Sample : L2166-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-52-46-COMP

Quant Time: Apr 08 05:54:54 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	192545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133096	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	125286	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
35) Dibromofluoromethane	7.56	113	94928	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	10.08	98	396136	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.40	95	145746	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	

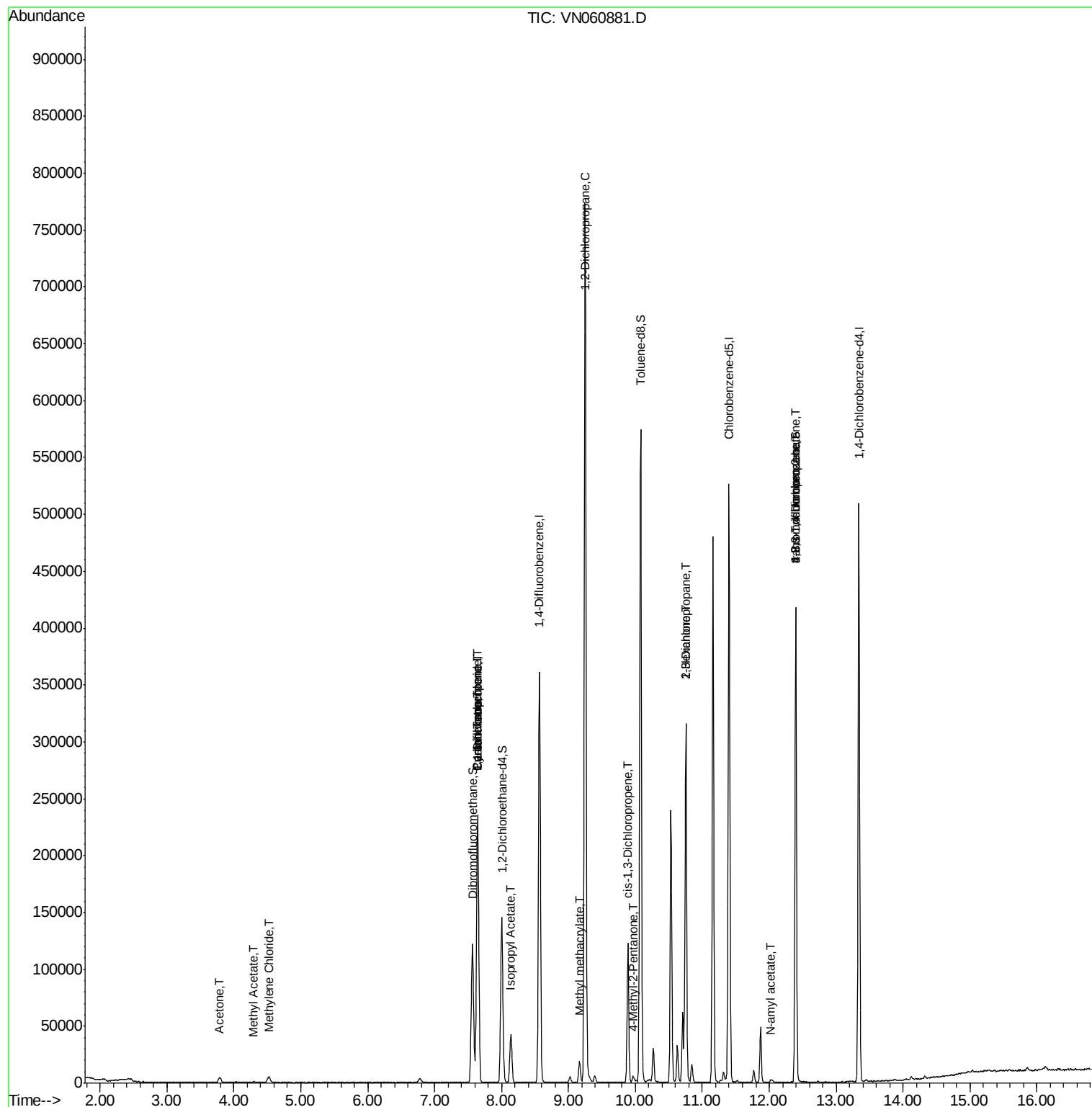
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	8547	9.129	ug/l	96
18) Methyl Acetate	4.29	43	1596	0.606	ug/l #	54
20) Methylene Chloride	4.52	84	4043	1.755	ug/l	98
31) Cyclohexane	7.64	56	3863	0.907	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15234	4.906	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18141	6.518	ug/l #	16
43) Isopropyl Acetate	8.14	43	51271	9.265	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	872	0.353	ug/l #	43
48) Methyl methacrylate	9.16	41	2371	0.962	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3493	1.109	ug/l	98
54) cis-1,3-Dichloropropene	9.89	75	21779	5.562	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3165	0.837	ug/l #	42
59) 2-Hexanone	10.75	43	46440	20.473	ug/l #	52
74) N-amyl acetate	12.02	43	1996	0.432	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	75047	26.131	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75047	67.113	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: VN060881.D

Acq: 7 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

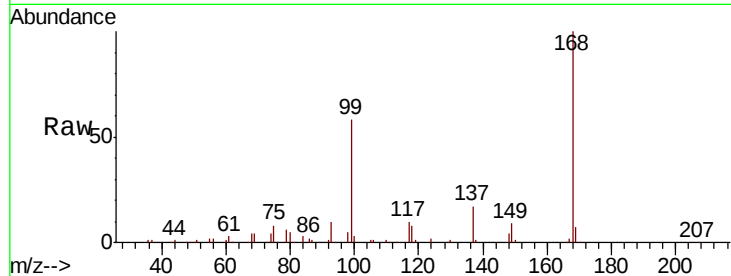
TP-52-46-COMP

Tot Ion:168 Resp: 192545

Ion Ratio Lower Upper

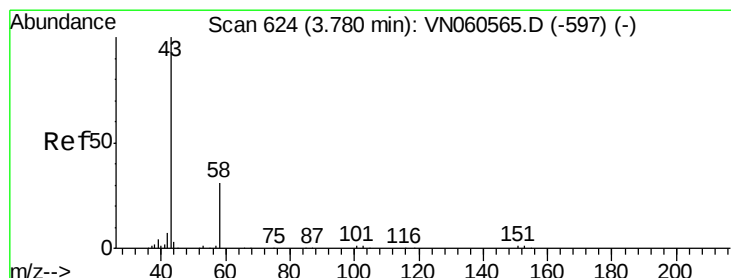
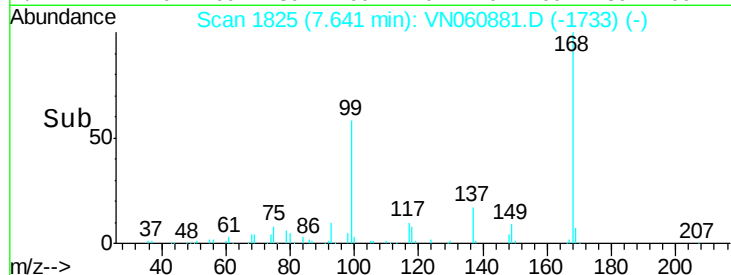
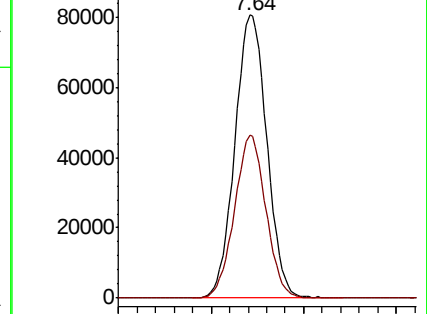
168 100

99 57.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 9.129 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060881.D

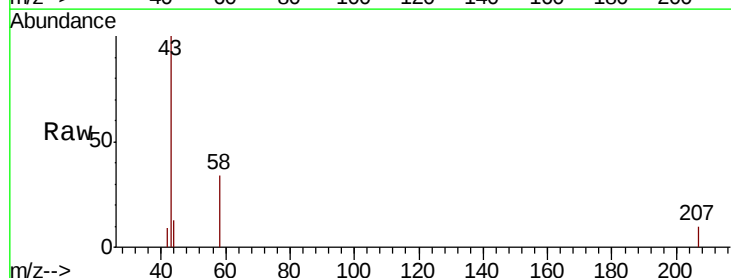
Acq: 7 Apr 2020 16:49

Tgt Ion: 43 Resp: 8547

Ion Ratio Lower Upper

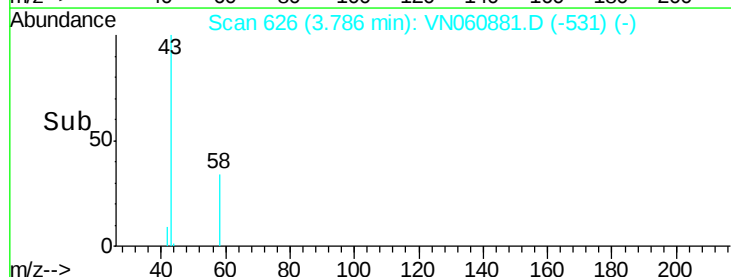
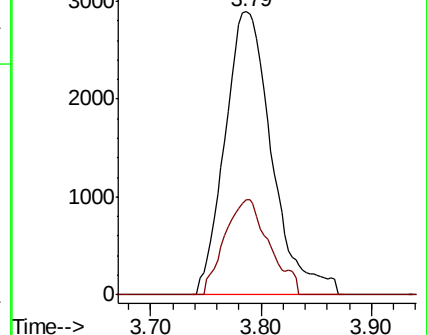
43 100

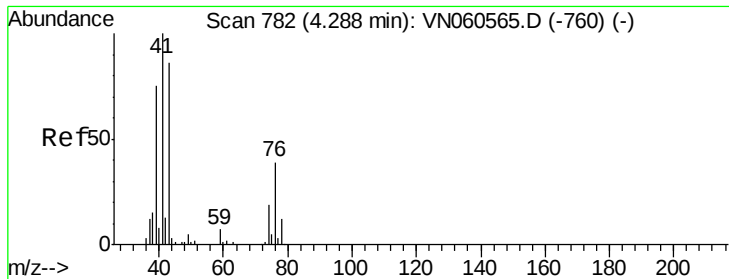
58 33.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

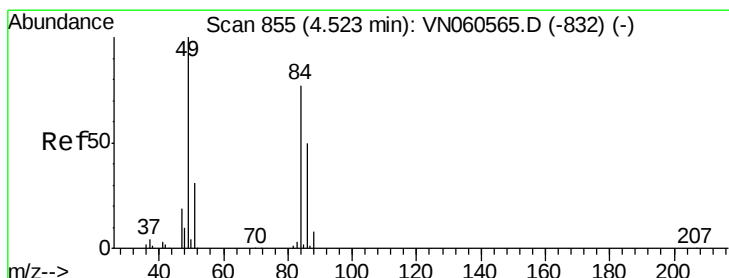
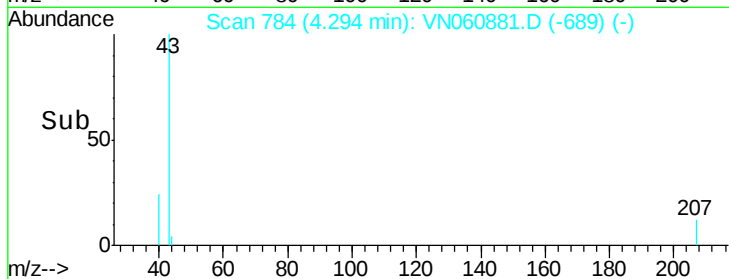
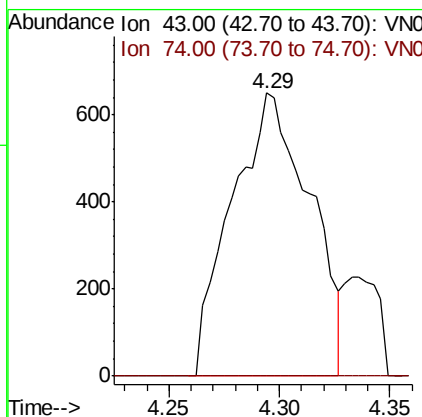
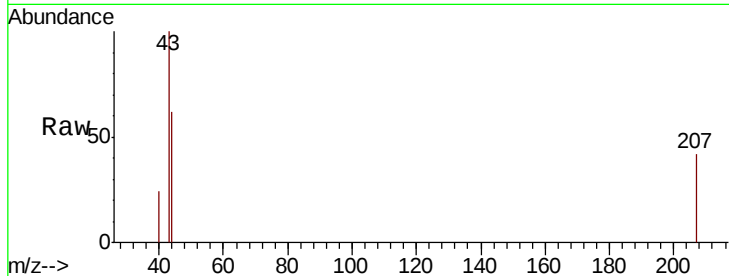




#18
Methyl Acetate
Concen: 0.606 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060881.D
Acq: 7 Apr 2020 16:49

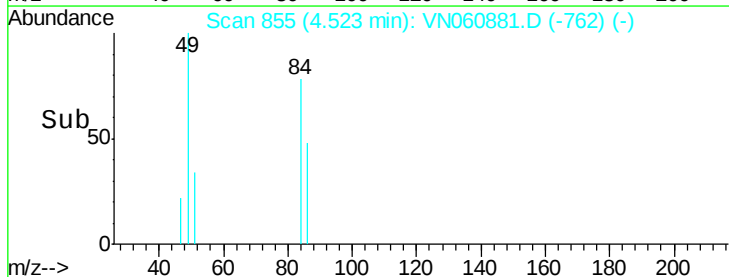
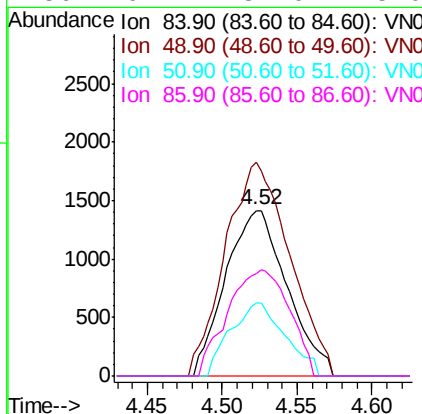
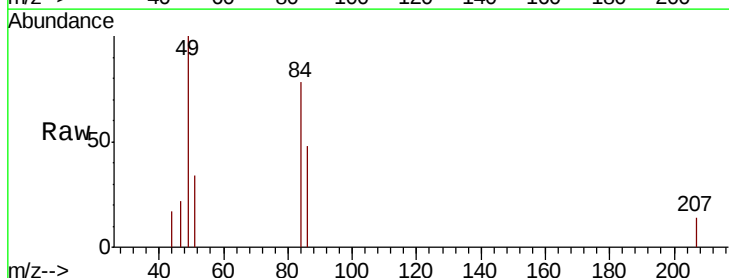
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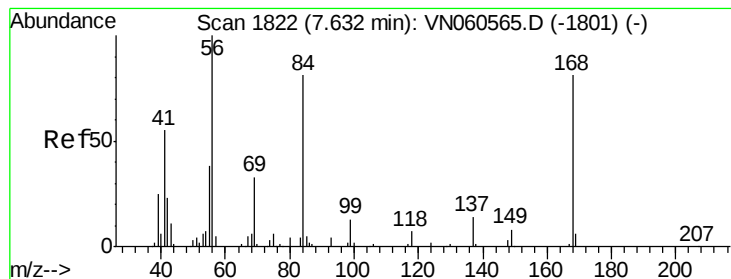
Tot Ion: 43 Resp: 1596
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.755 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060881.D
Acq: 7 Apr 2020 16:49

Tgt Ion: 84 Resp: 4043
Ion Ratio Lower Upper
84 100
49 129.0 103.3 154.9
51 44.4 31.6 47.4
86 62.1 52.0 78.0





#31

Cyclohexane

Concen: 0.907 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060881.D

Acq: 7 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

TP-52-46-COMP

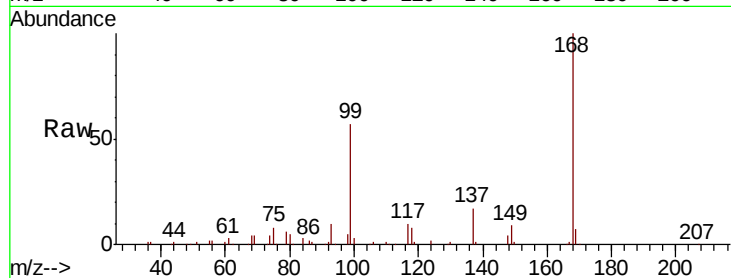
Tot Ion: 56 Resp: 3863

Ion Ratio Lower Upper

56 100

69 174.1 26.6 40.0#

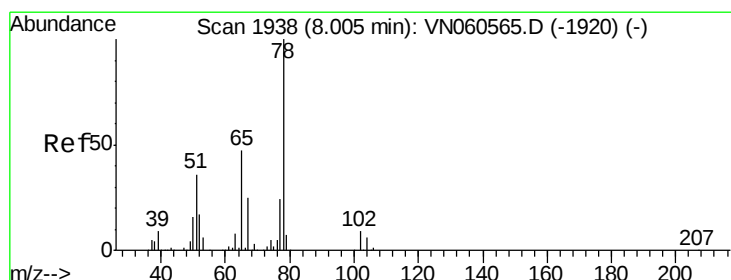
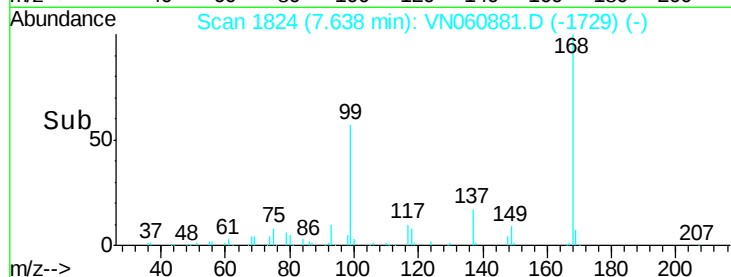
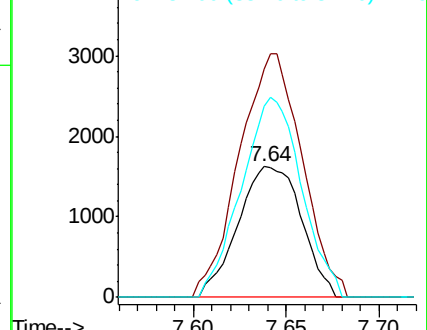
84 146.5 64.3 96.5#



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



#33

1,2-Dichloroethane-d4

Concen: 47.399 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060881.D

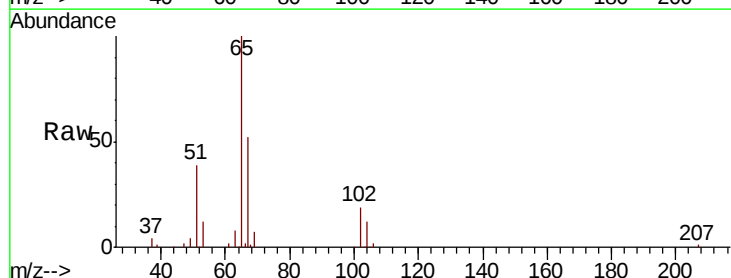
Acq: 7 Apr 2020 16:49

Tgt Ion: 65 Resp: 125286

Ion Ratio Lower Upper

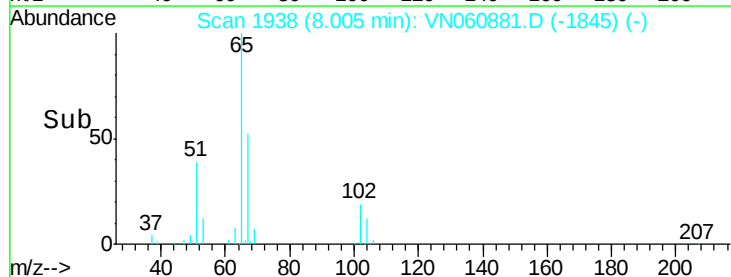
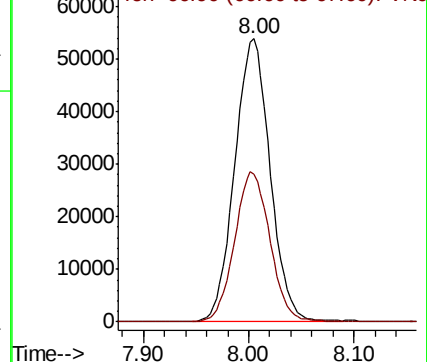
65 100

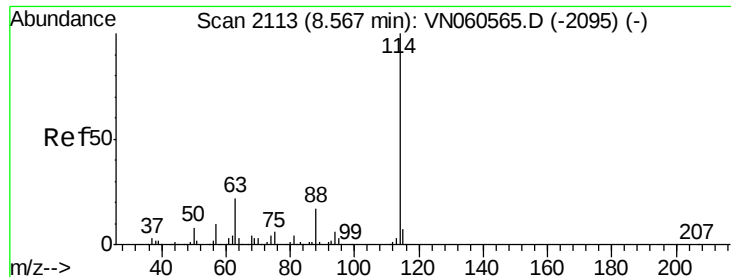
67 52.9 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

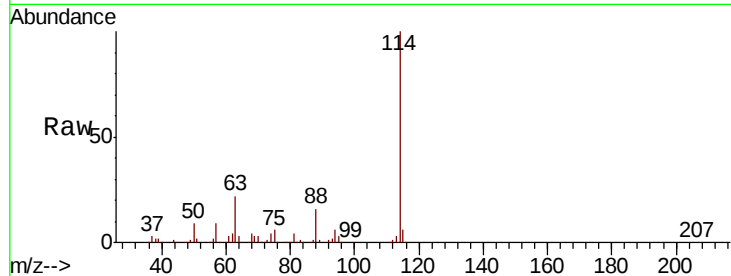




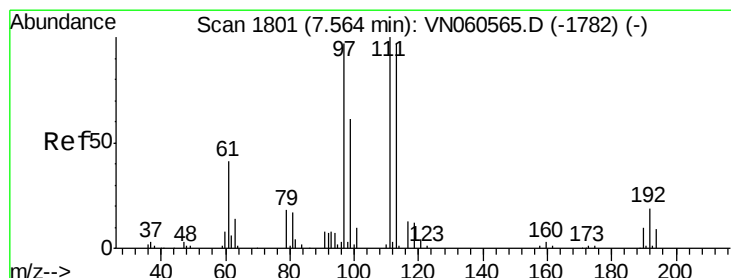
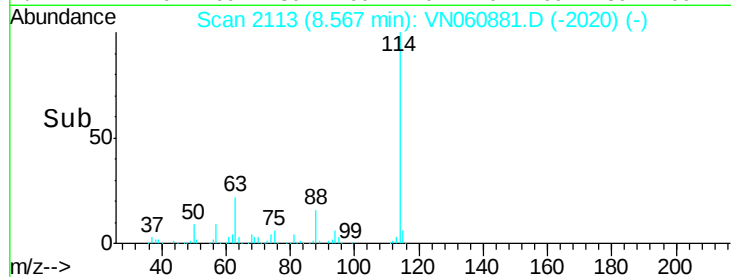
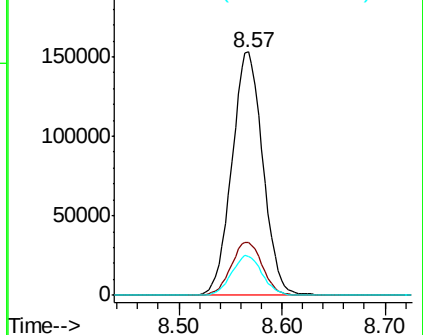
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060881.D
Acq: 7 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
TP-52-46-COMP

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	16.1	0.0	33.0

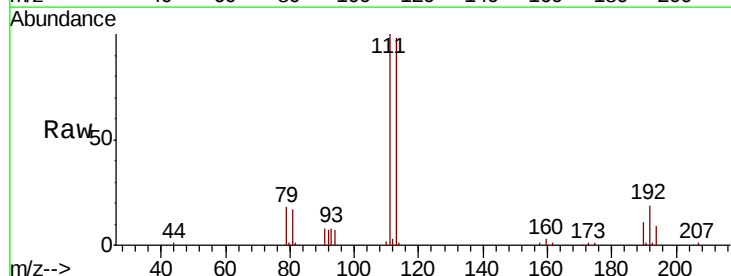


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

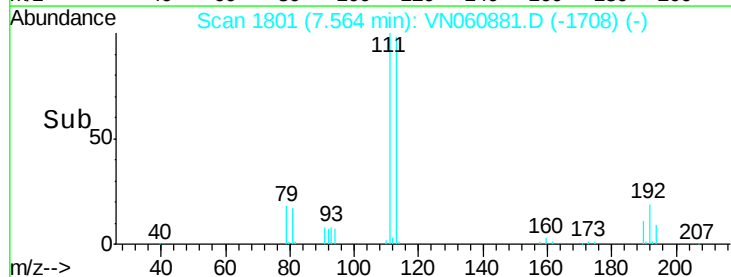
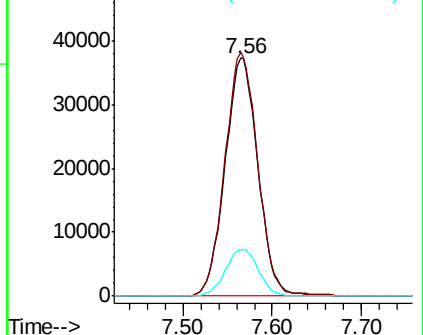


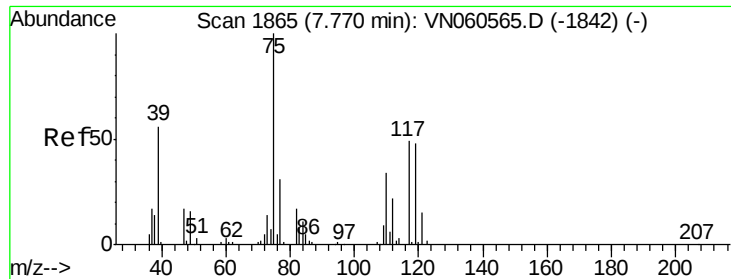
#35
Dibromofluoromethane
Concen: 48.954 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN060881.D
Acq: 7 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	19.7	15.8	23.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

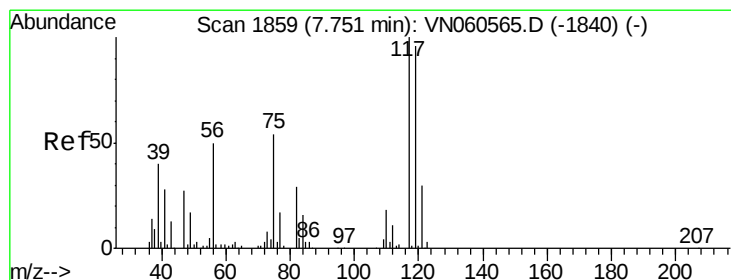
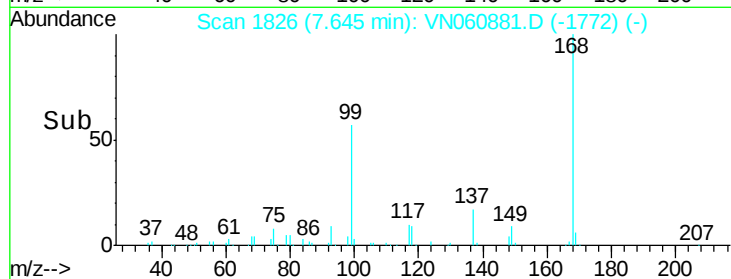
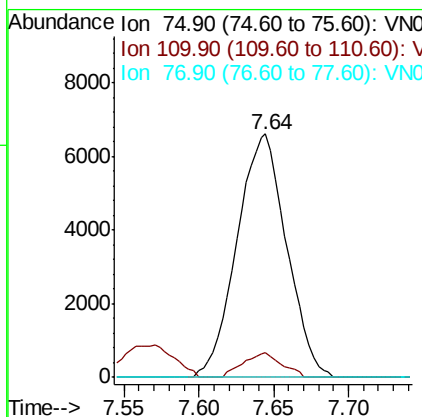
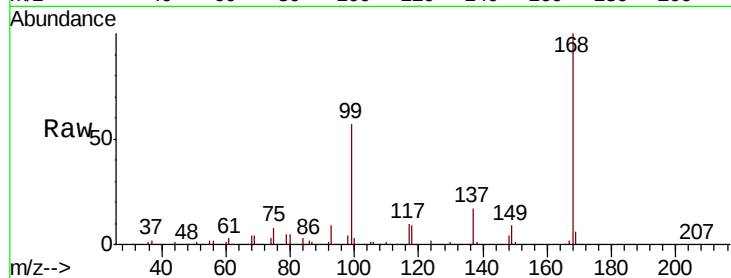




#36
 1,1-Dichloropropene
 Concen: 4.906 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060881.D
 Acq: 7 Apr 2020 16:49

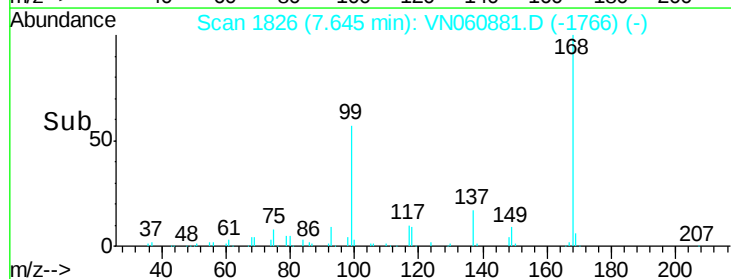
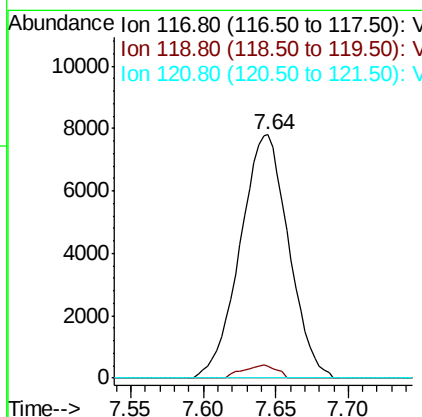
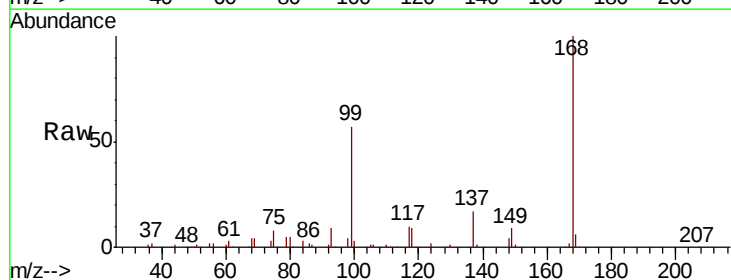
Instrument :
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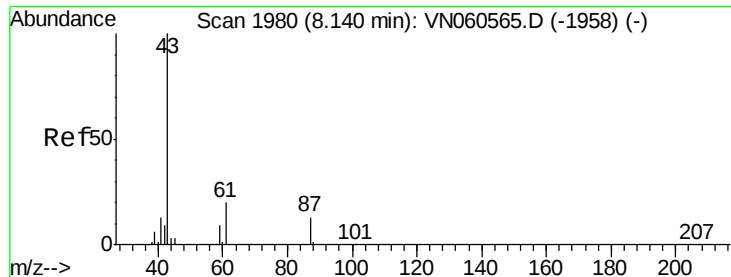
Tot Ion	75	Resp	15234
Ion Ratio	Lower	Upper	
75	100		
110	7.9	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.518 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060881.D
 Acq: 7 Apr 2020 16:49

Tgt Ion	117	Resp	18141
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	5.0	76.2	114.2#
121	0.0	23.7	35.5#





#43

Isopropyl Acetate

Concen: 9.265 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060881.D

Acq: 7 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

TP-52-46-COMP

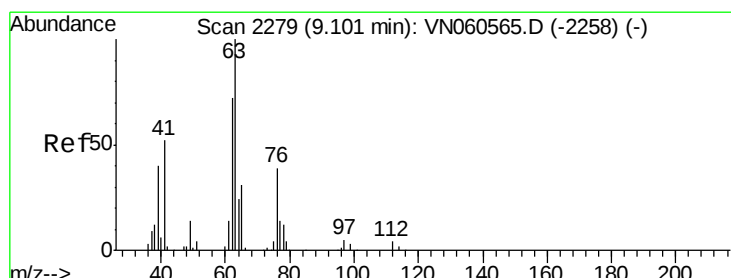
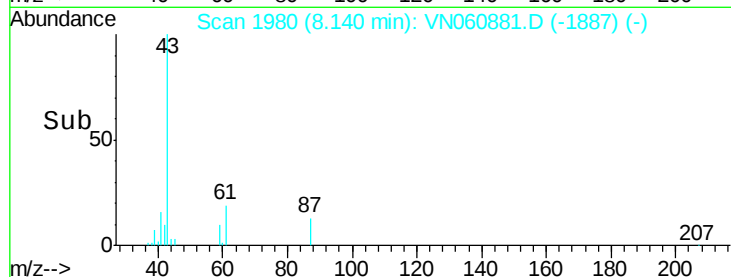
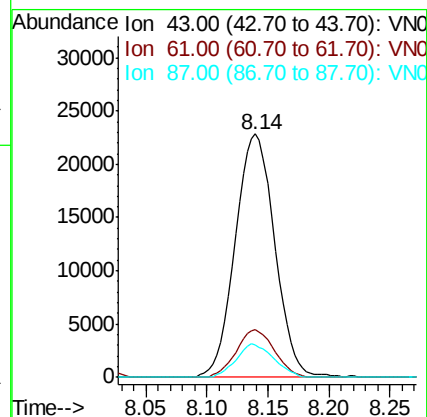
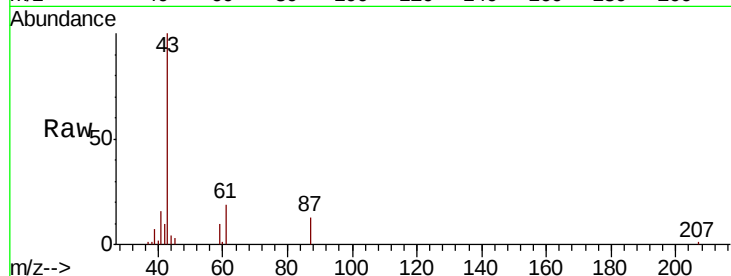
Tot Ion: 43 Resp: 51271

Ion Ratio Lower Upper

43 100

61 19.0 20.7 31.1#

87 12.9 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.353 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060881.D

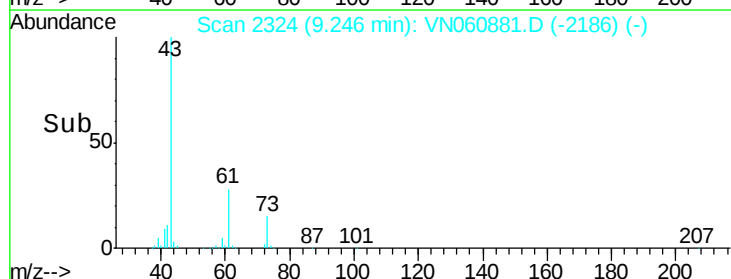
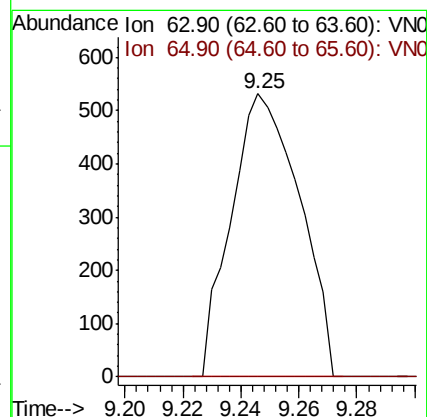
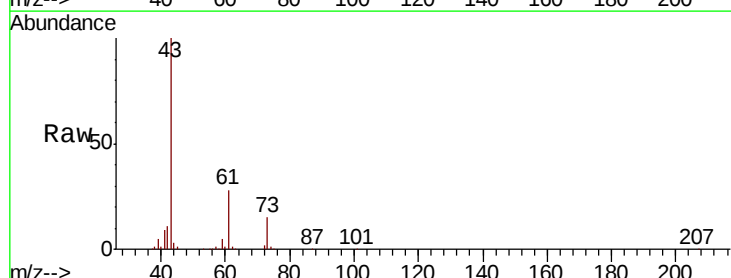
Acq: 7 Apr 2020 16:49

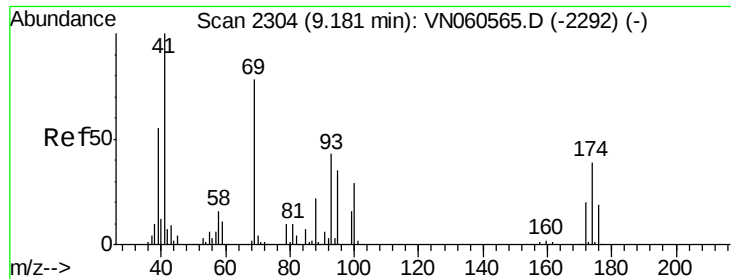
Tgt Ion: 63 Resp: 872

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

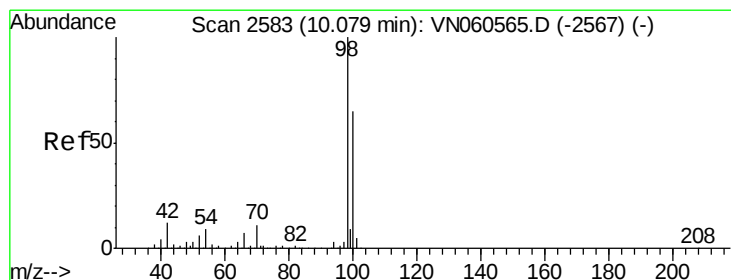
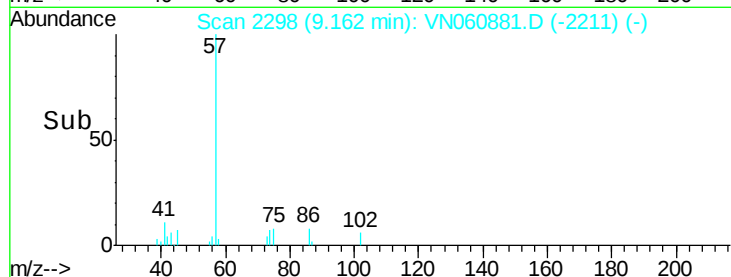
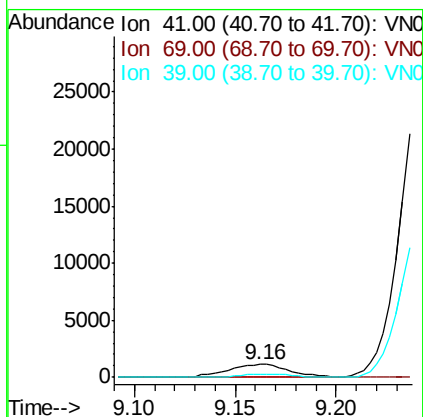
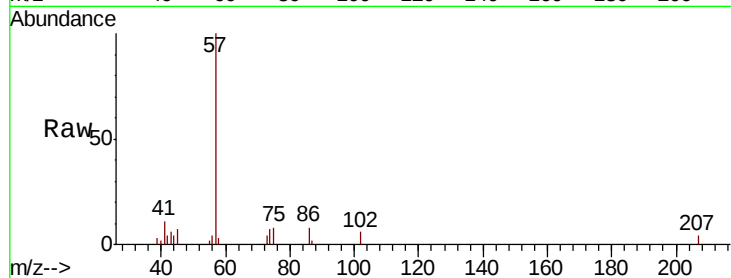




#48
Methvl methacrylate
Concen: 0.962 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060881.D
Acq: 7 Apr 2020 16:49

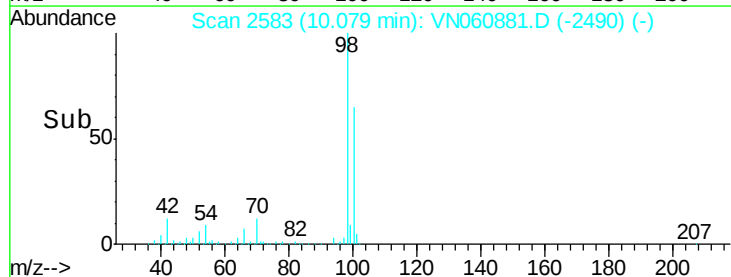
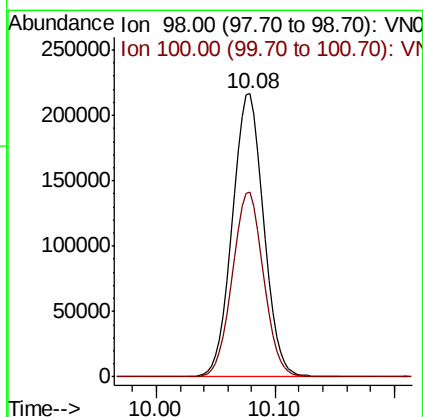
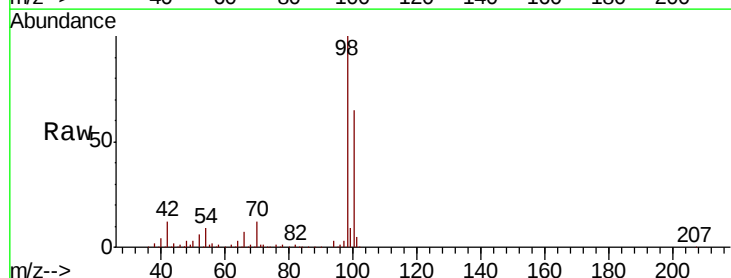
Instrument :
MSVOA_N
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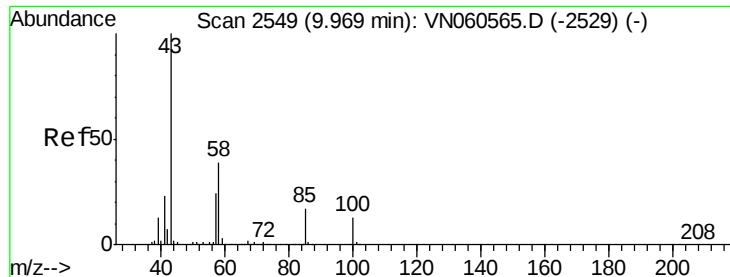
Tot Ion: 41 Resp: 2371
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.013 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060881.D
Acq: 7 Apr 2020 16:49

Tgt Ion: 98 Resp: 396136
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8

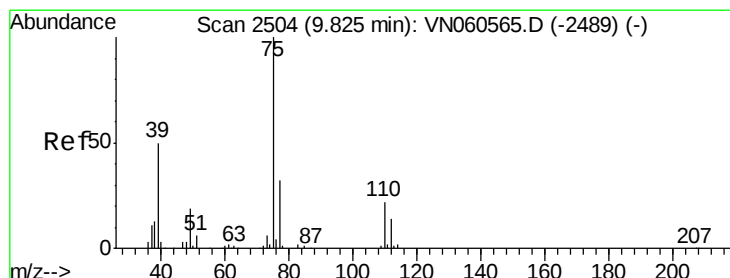
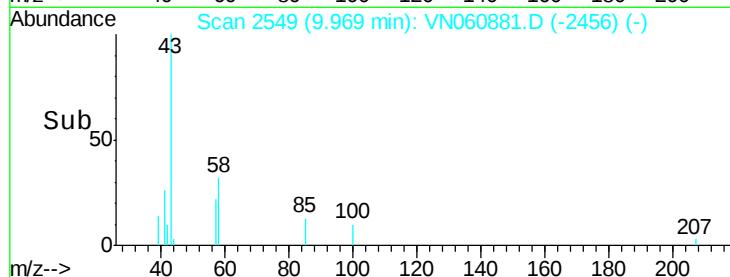
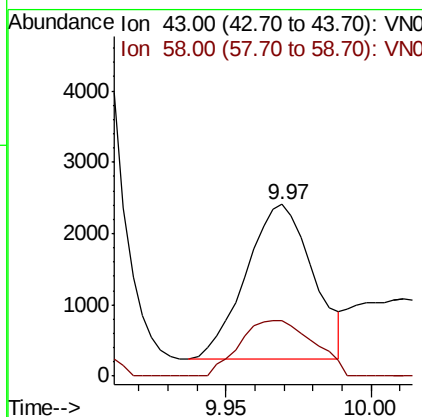
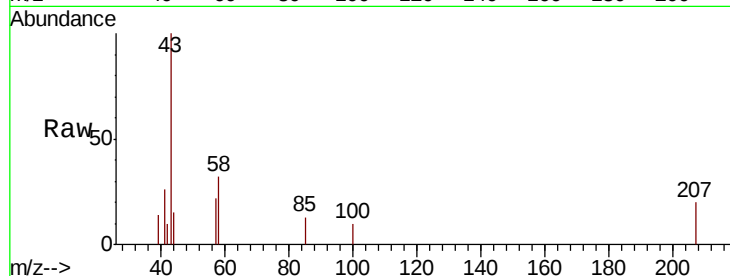




#51
 4-Methyl-2-Pentanone
 Concen: 1.109 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060881.D
 Acq: 7 Apr 2020 16:49

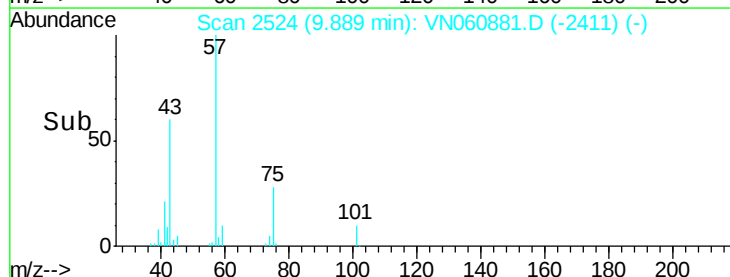
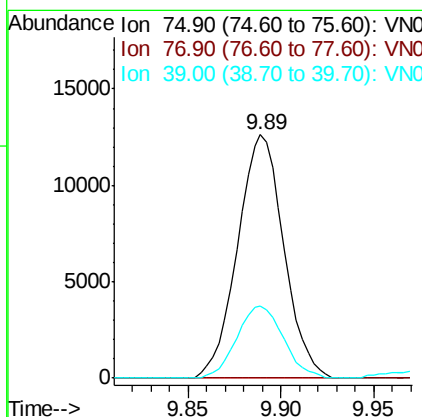
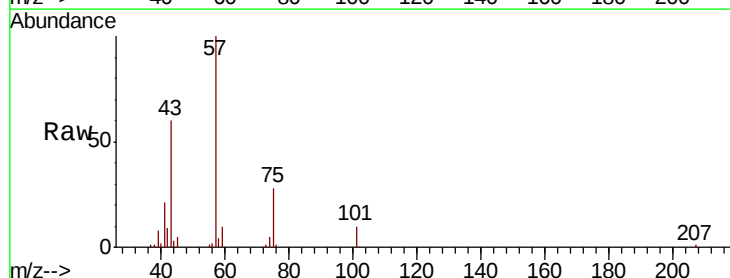
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-52-46-COMP

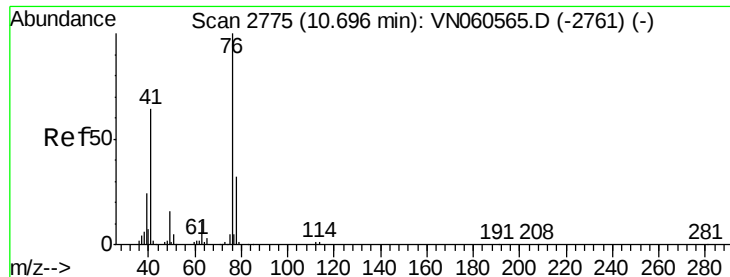
Tot Ion: 43 Resp: 3493
 Ion Ratio Lower Upper
 43 100
 58 39.8 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 5.562 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060881.D
 Acq: 7 Apr 2020 16:49

Tgt Ion: 75 Resp: 21779
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 29.5 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 0.837 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060881.D

Acq: 7 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

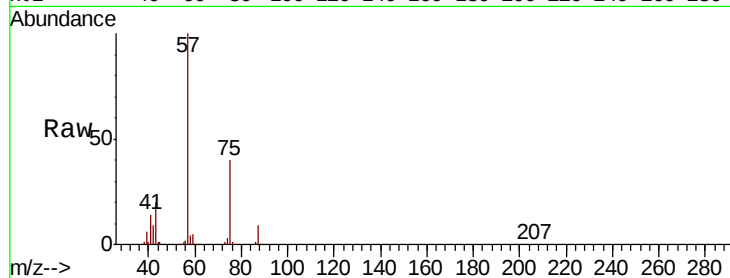
TP-52-46-COMP

Tot Ion: 76 Resp: 3165

Ion Ratio Lower Upper

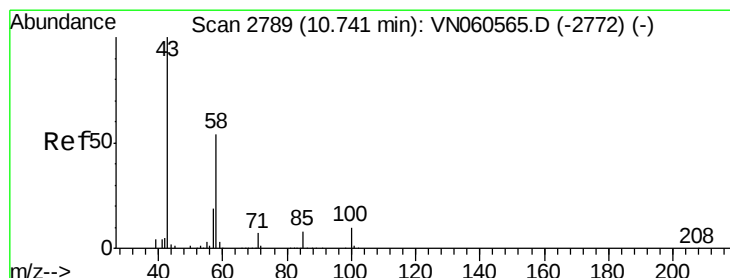
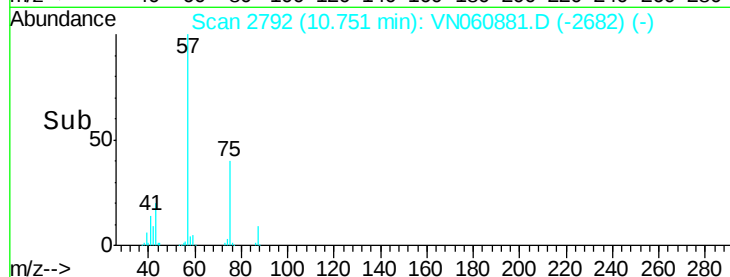
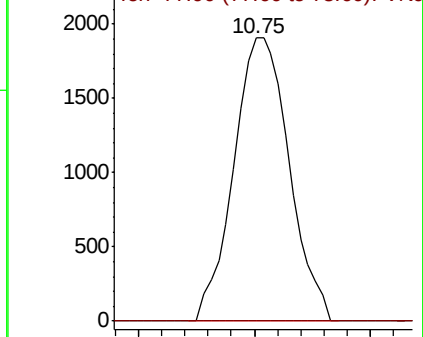
76 100

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



#59

2-Hexanone

Concen: 20.473 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060881.D

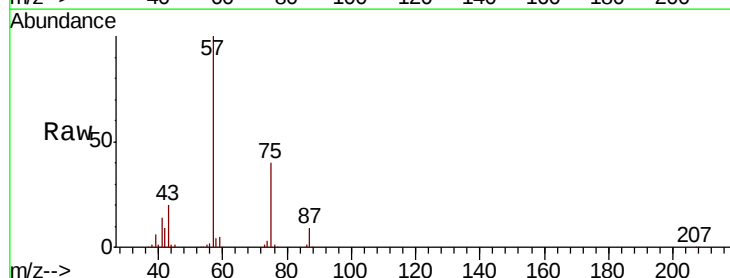
Acq: 7 Apr 2020 16:49

Tgt Ion: 43 Resp: 46440

Ion Ratio Lower Upper

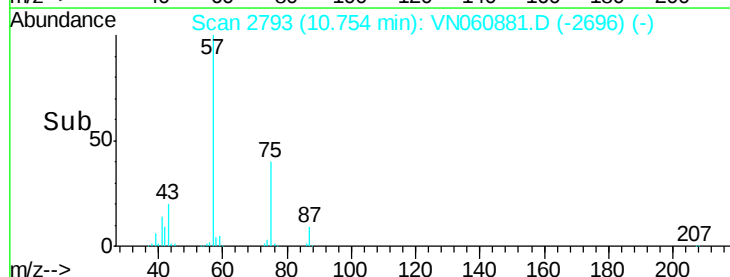
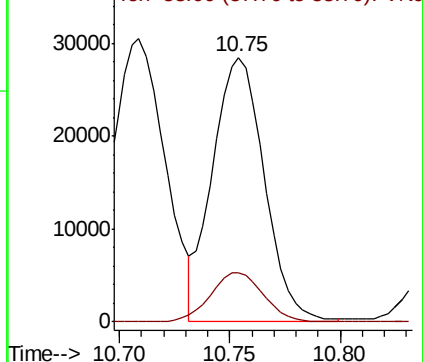
43 100

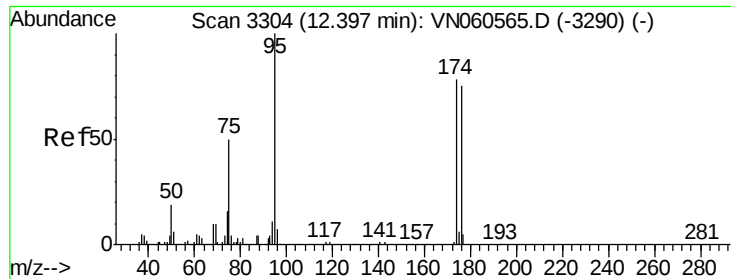
58 19.0 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

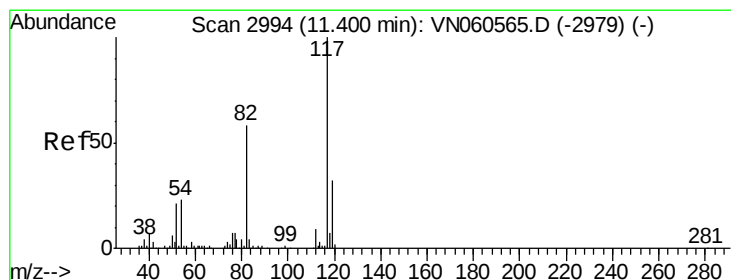
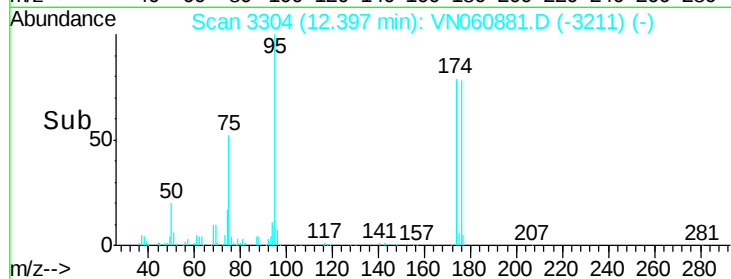
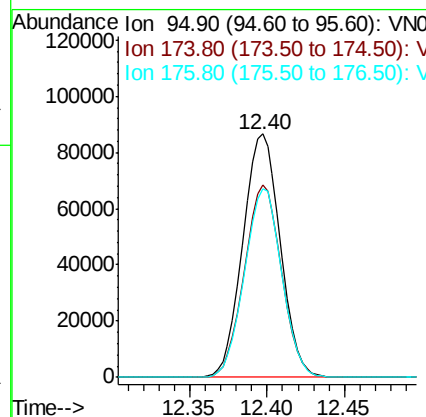
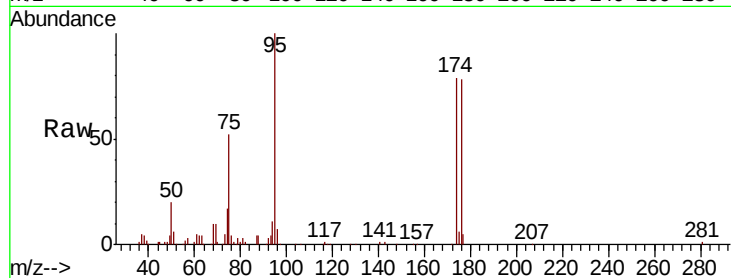




#62
4-Bromofluorobenzene
Concen: 50.209 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060881.D
Acq: 7 Apr 2020 16:49

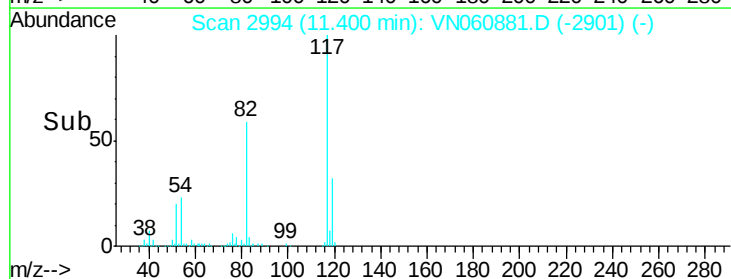
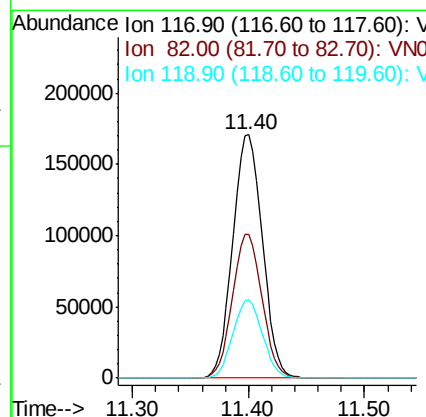
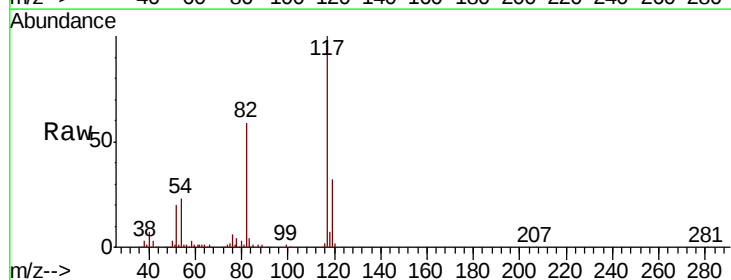
Instrument :
MSVOA_N
ClientSampleId :
TP-52-46-COMP

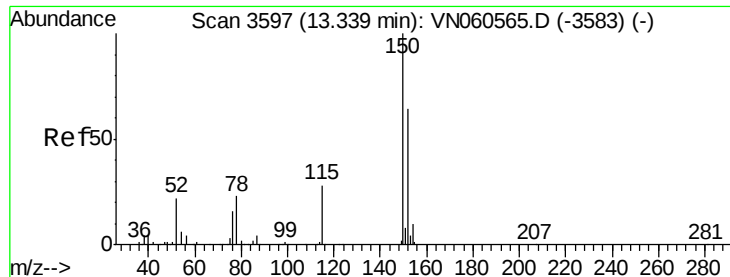
Tot Ion: 95 Resp: 145746
Ion Ratio Lower Upper
95 100
174 78.4 0.0 157.6
176 77.1 0.0 150.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060881.D
Acq: 7 Apr 2020 16:49

Tgt Ion: 117 Resp: 301973
Ion Ratio Lower Upper
117 100
82 58.9 46.7 70.1
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060881.D

Acq: 7 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

TP-52-46-COMP

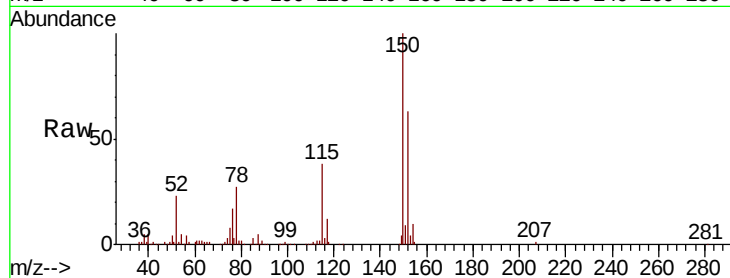
Tot Ion:152 Resp: 133096

Ion Ratio Lower Upper

152 100

115 59.7 30.2 90.6

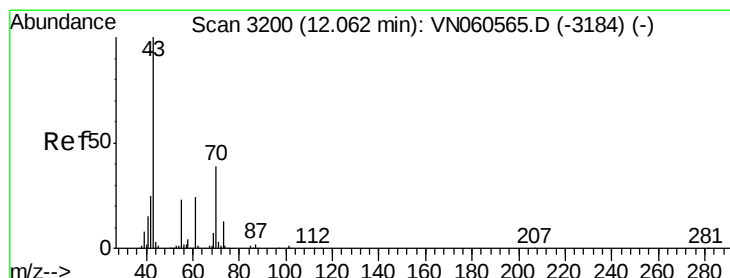
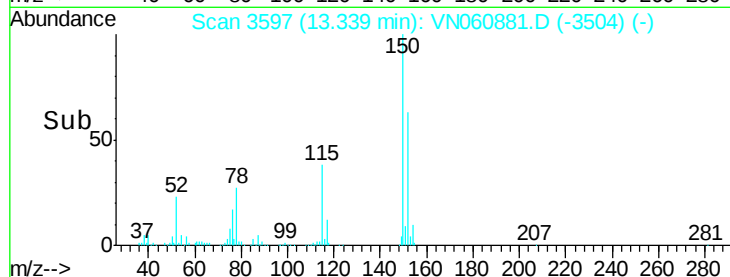
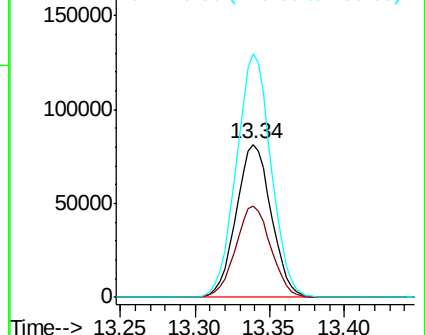
150 157.8 0.0 350.2



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-ethyl acetate

Concen: 0.432 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060881.D

Acq: 7 Apr 2020 16:49

Tgt Ion: 43 Resp: 1996

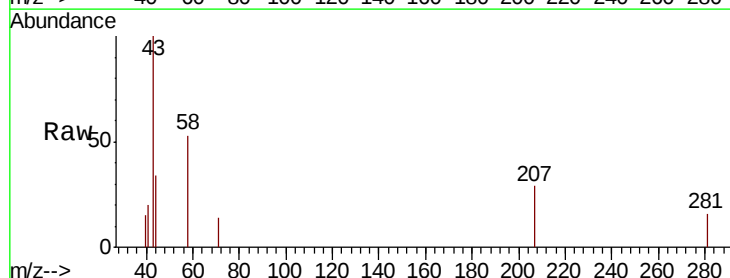
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

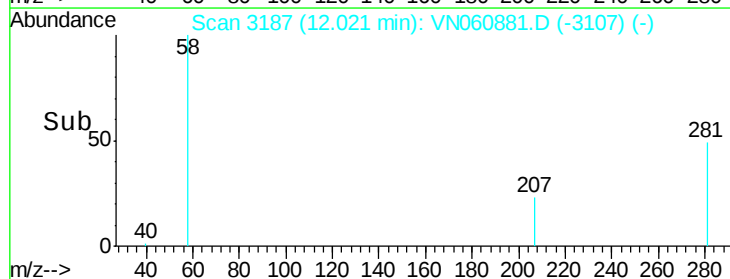
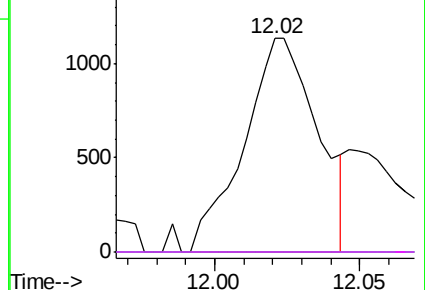


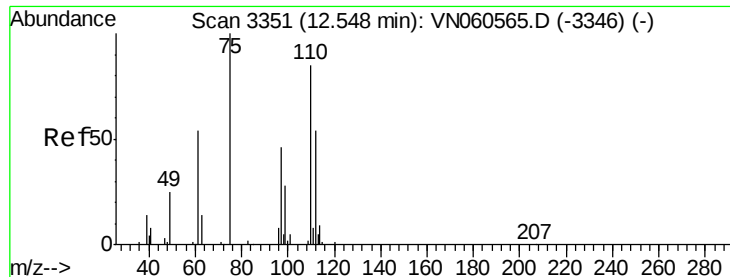
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 26.131 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060881.D

Acq: 7 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

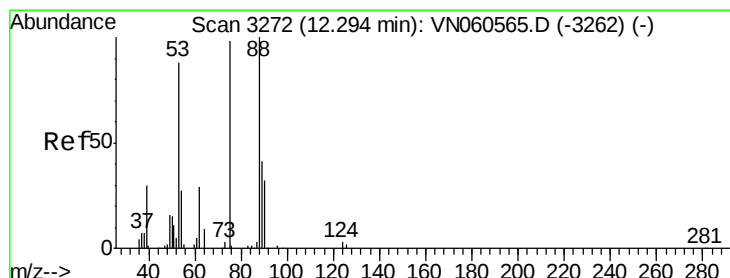
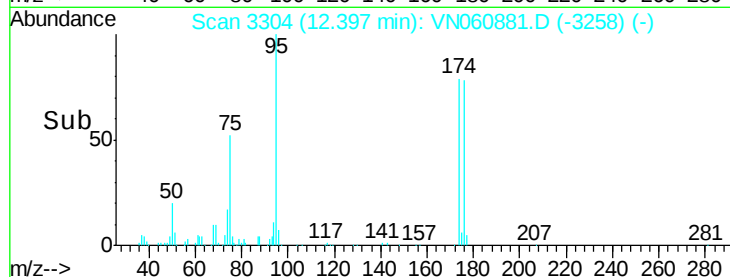
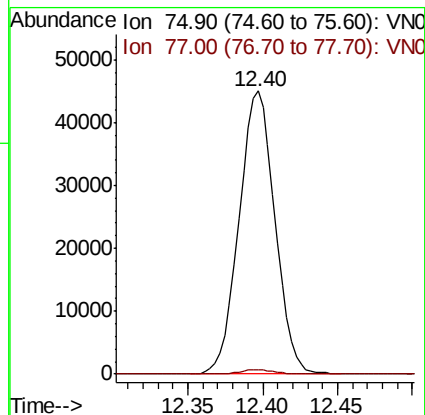
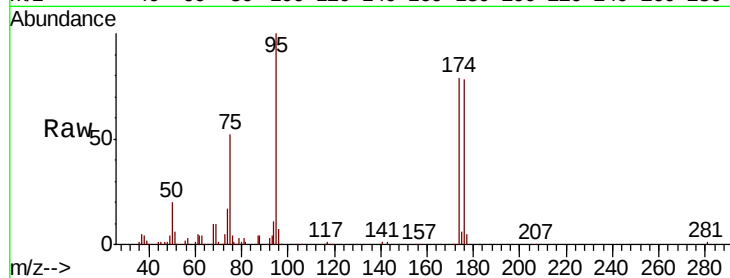
TP-52-46-COMP

Tot Ion: 75 Resp: 75047

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.113 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060881.D

Acq: 7 Apr 2020 16:49

Tgt Ion: 75 Resp: 75047

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

