

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060848.D
 Acq On : 6 Apr 2020 14:04
 Operator : JC/MD
 Sample : L2129-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Quant Time: Apr 07 07:04:03 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	209890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	347758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	321784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142765	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	132969	46.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.30%	
35) Dibromofluoromethane	7.57	113	102556	48.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.54%	
50) Toluene-d8	10.08	98	427585	49.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.40	95	158726	50.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.84%	

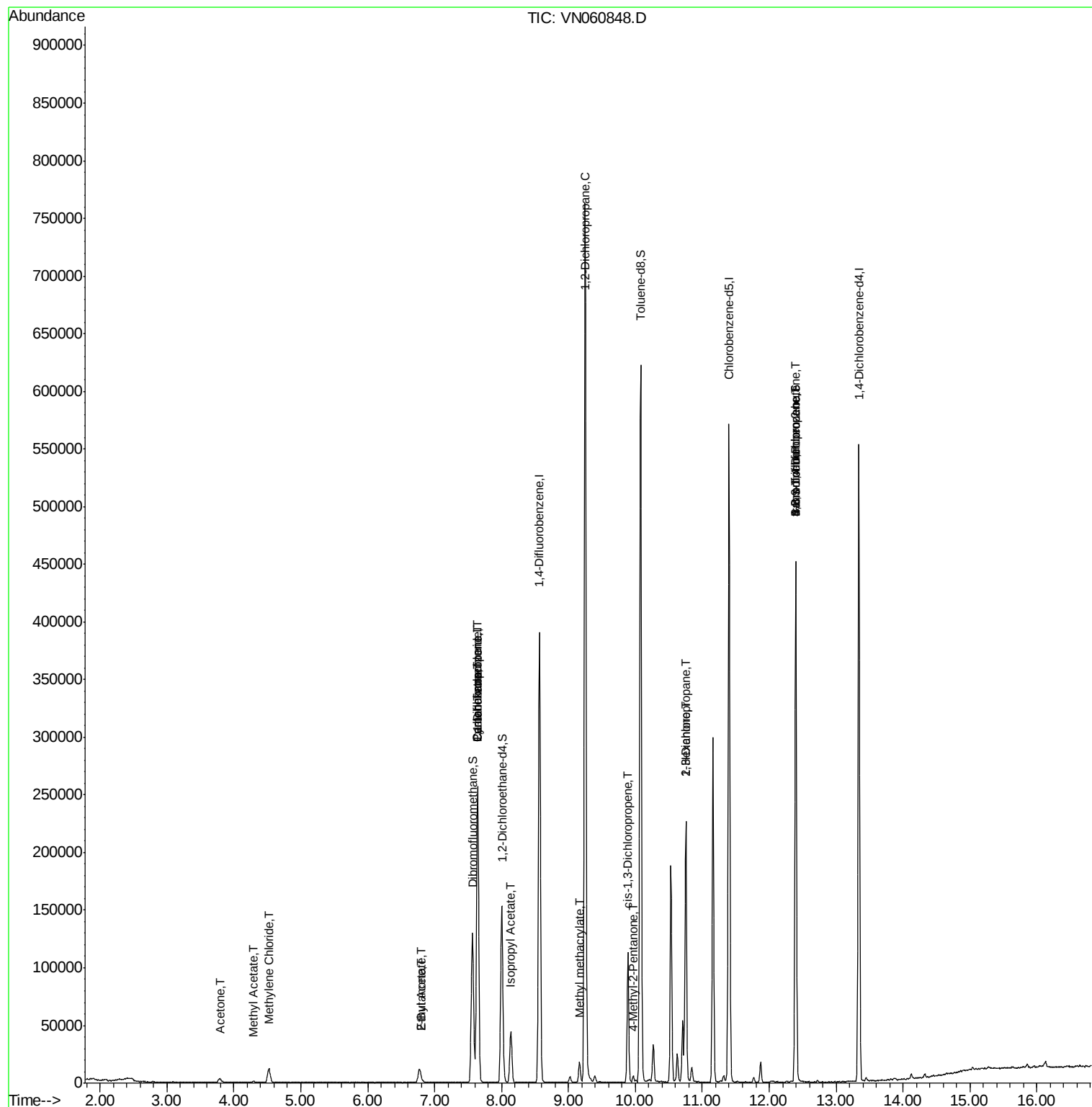
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	6839	6.701	ug/l	98
18) Methyl Acetate	4.29	43	1707	0.594	ug/l #	58
20) Methylene Chloride	4.53	84	9073	3.614	ug/l	97
25) 2-Butanone	6.81	43	1473	0.892	ug/l	99
31) Cyclohexane	7.64	56	4313	0.929	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16286	4.836	ug/l #	49
37) Ethyl Acetate	6.81	43	1473	0.405	ug/l #	70
38) Carbon Tetrachloride	7.64	117	19646	6.510	ug/l #	17
43) Isopropyl Acetate	8.14	43	55044	9.173	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	829	0.309	ug/l #	43
48) Methyl methacrylate	9.16	41	2644	0.990	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3957	1.159	ug/l #	87
54) cis-1,3-Dichloropropene	9.89	75	19637	4.624	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	2184	0.533	ug/l #	42
59) 2-Hexanone	10.75	43	34184	13.897	ug/l #	52
71) Bromoform	12.40	173	420	1.892	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	79143	25.691	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	79143	65.982	ug/l #	13

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060848.D

Acq: 6 Apr 2020 14:04

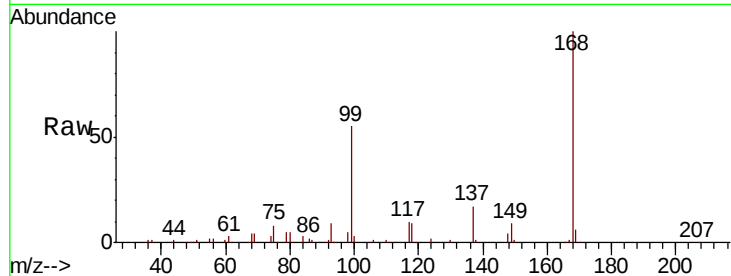
Instrument :
MSVOA_N
ClientSampled :
TP-7

Tot Ion:168 Resp: 209890

Ion Ratio Lower Upper

168 100

99 55.2 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

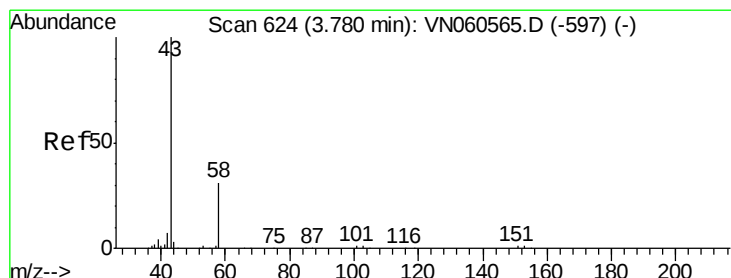
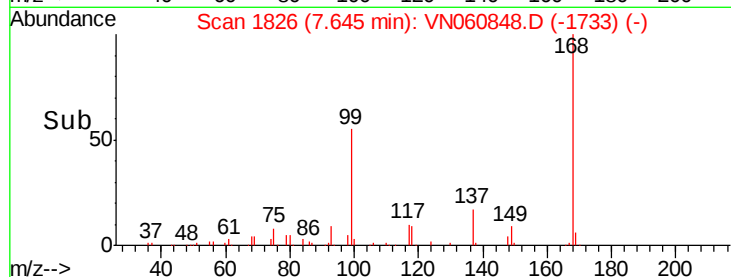
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 6.701 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060848.D

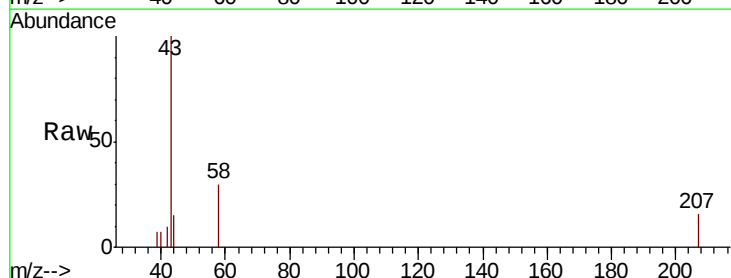
Acq: 6 Apr 2020 14:04

Tgt Ion: 43 Resp: 6839

Ion Ratio Lower Upper

43 100

58 30.4 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

2500

2000

1500

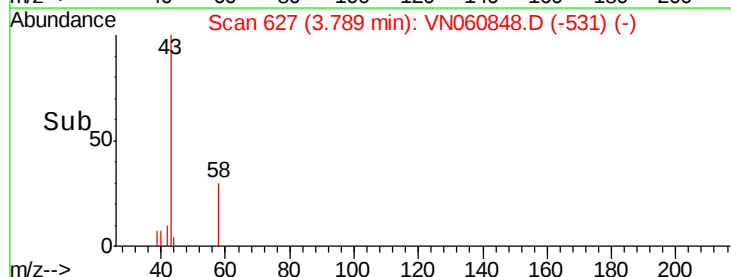
1000

500

0

3.70 3.75 3.80 3.85

Time-->

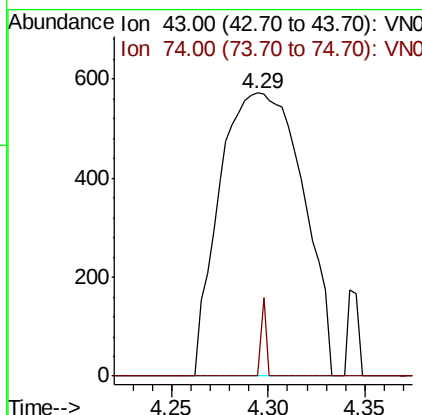
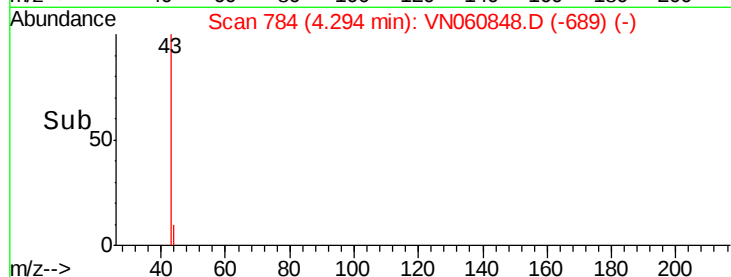
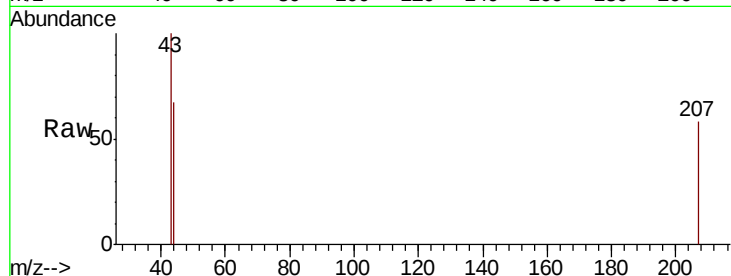




#18
Methyl Acetate
Concen: 0.594 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060848.D
Acq: 6 Apr 2020 14:04

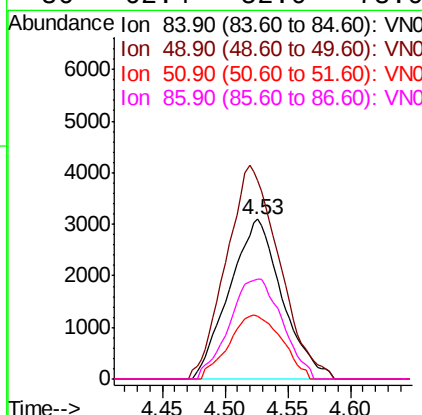
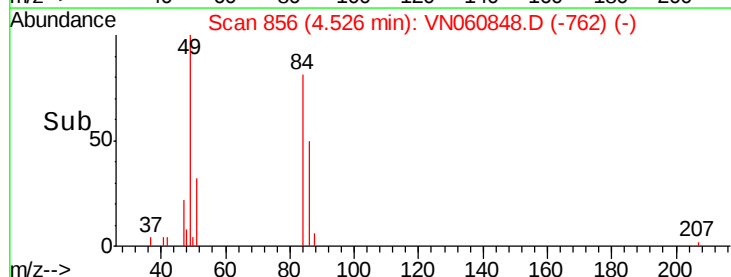
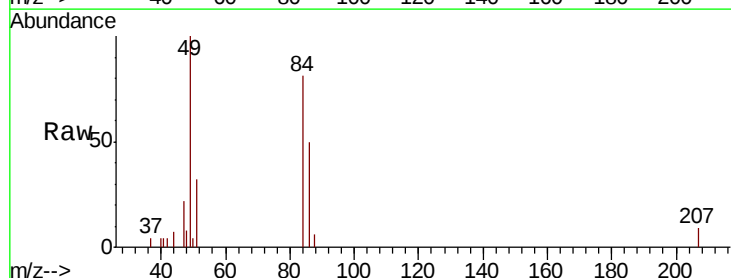
Instrument :
MSVOA_N
ClientSampled :
TP-7

Tot Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
74 1.8 17.5 26.3#



#20
Methylene Chloride
Concen: 3.614 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060848.D
Acq: 6 Apr 2020 14:04

Tgt Ion: 84 Resp: 9073
Ion Ratio Lower Upper
84 100
49 124.2 103.3 154.9
51 39.1 31.6 47.4
86 62.4 52.0 78.0

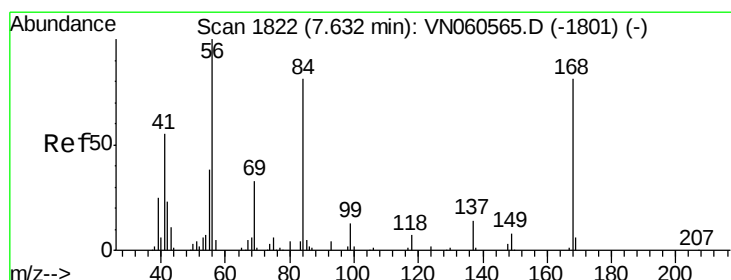
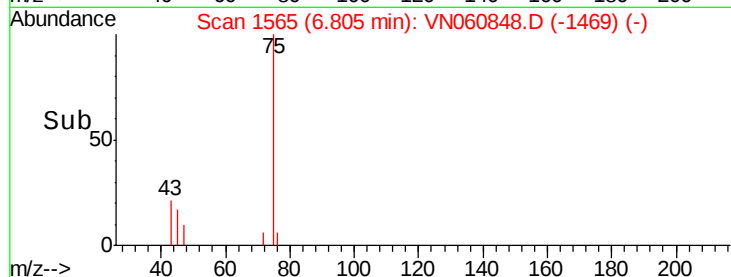
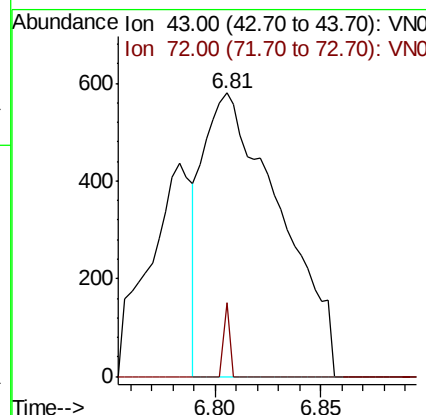
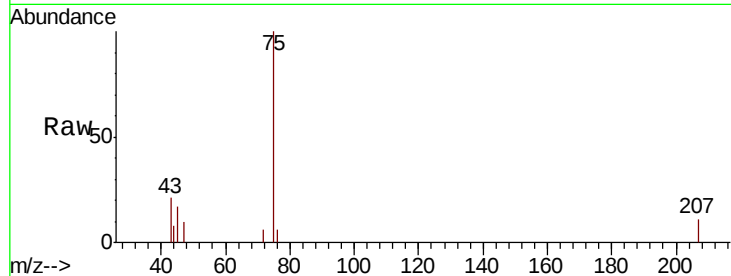




#25
2-Butanone
Concen: 0.892 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN060848.D
Acq: 6 Apr 2020 14:04

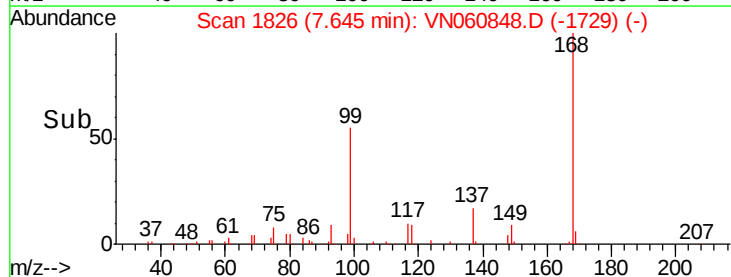
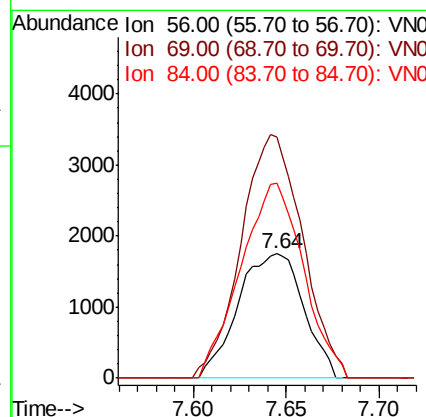
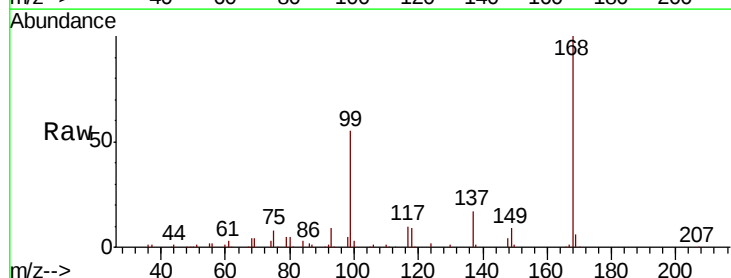
Instrument :
MSVOA_N
ClientSampled :
TP-7

Tot Ion: 43 Resp: 1473
Ion Ratio Lower Upper
43 100
72 26.0 20.4 30.6



#31
Cyclohexane
Concen: 0.929 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060848.D
Acq: 6 Apr 2020 14:04

Tgt Ion: 56 Resp: 4313
Ion Ratio Lower Upper
56 100
69 194.2 26.6 40.0#
84 157.6 64.3 96.5#

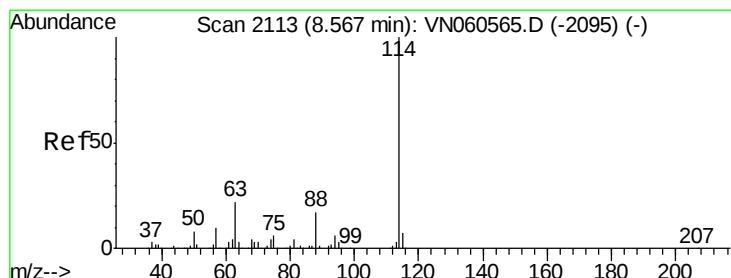
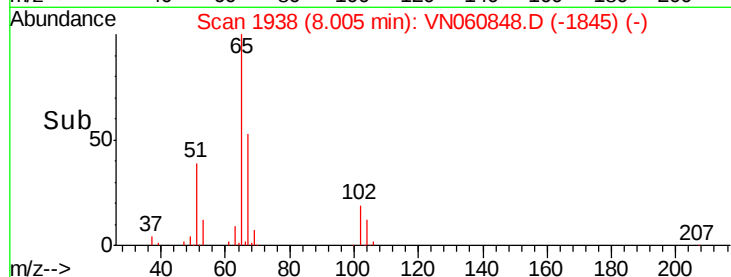
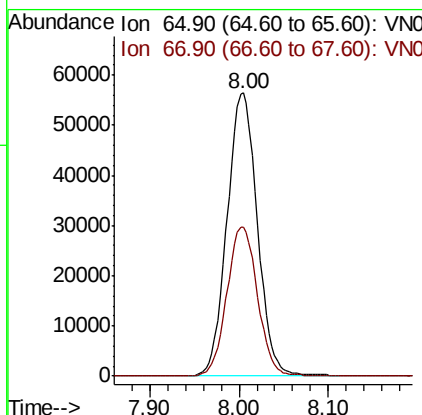
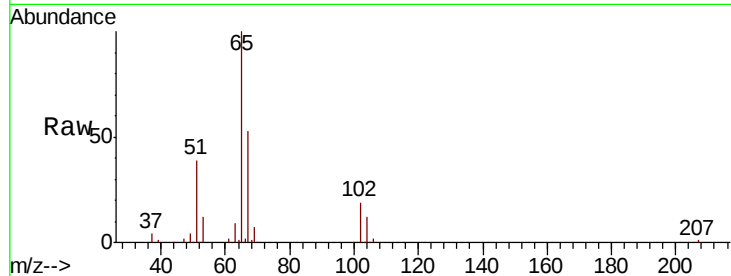




#33
 1,2-Dichloroethane-d4
 Concen: 46.149 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060848.D
 Acq: 6 Apr 2020 14:04

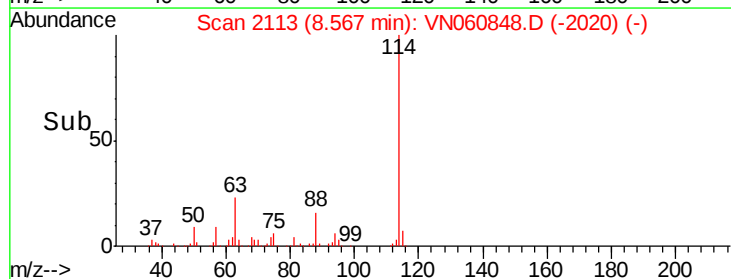
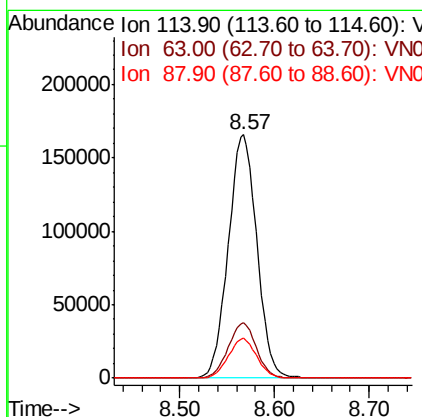
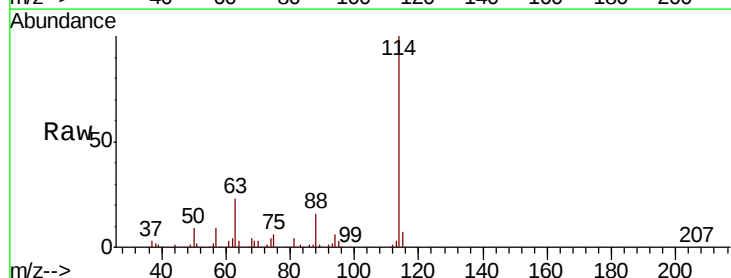
Instrument :
 MSVOA_N
 ClientSampled :
 TP-7

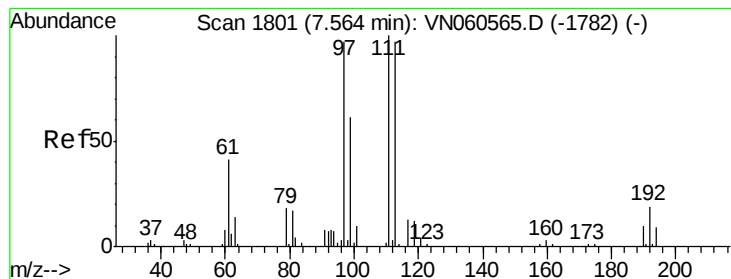
Tot Ion: 65 Resp: 132969
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060848.D
 Acq: 6 Apr 2020 14:04

Tgt Ion: 114 Resp: 347758
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.8
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.772 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060848.D

Acq: 6 Apr 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

TP-7

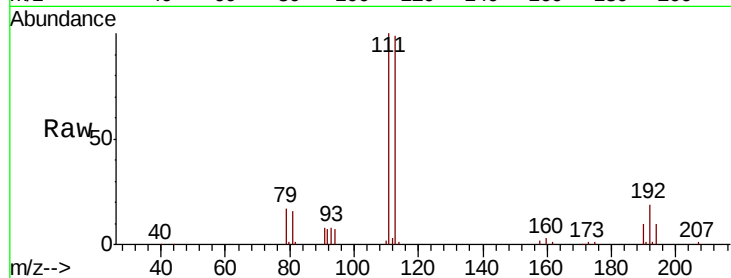
Tot Ion:113 Resp: 102556

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

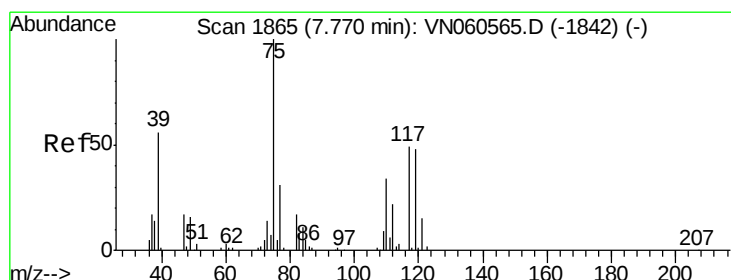
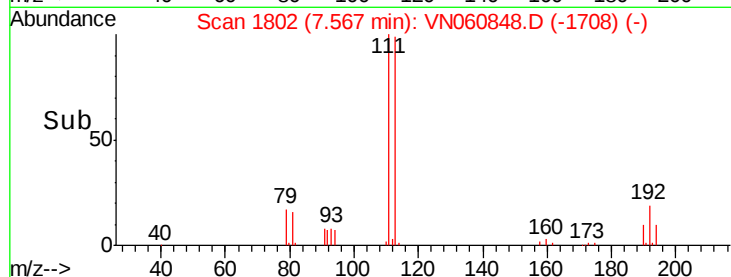
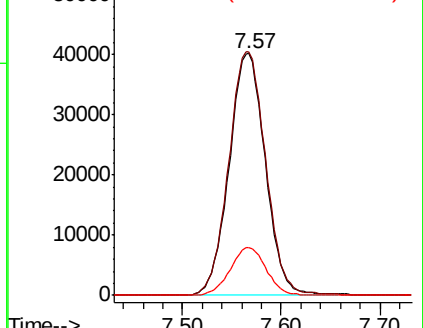
192 19.5 15.8 23.8



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: 4.836 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060848.D

Acq: 6 Apr 2020 14:04

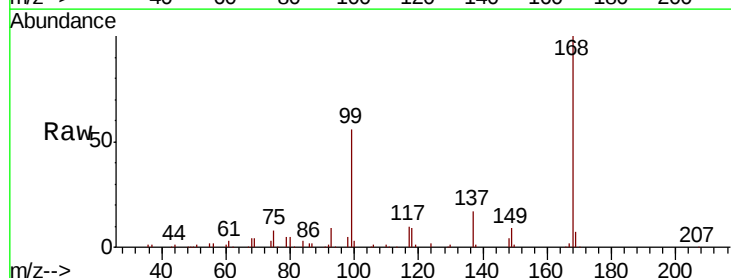
Tgt Ion: 75 Resp: 16286

Ion Ratio Lower Upper

75 100

110 7.7 16.9 50.6#

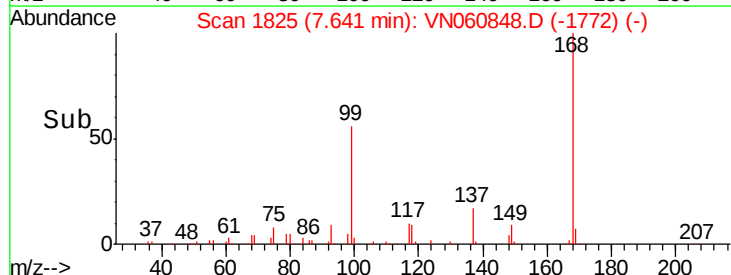
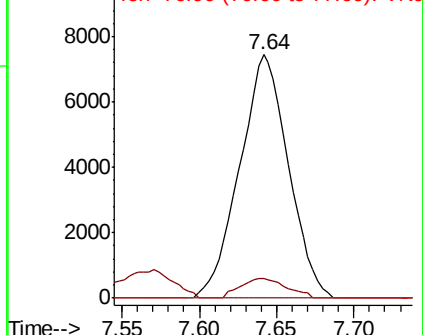
77 0.0 24.6 36.8#

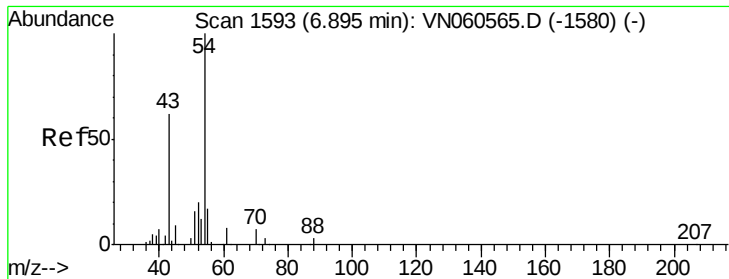


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

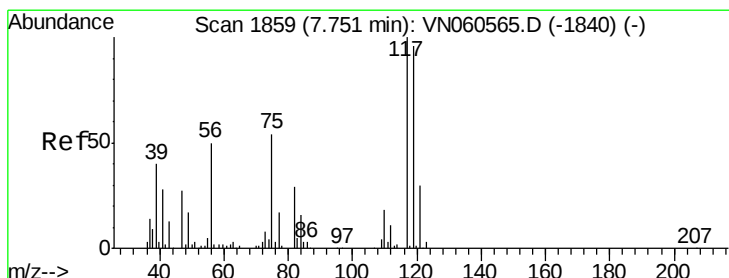
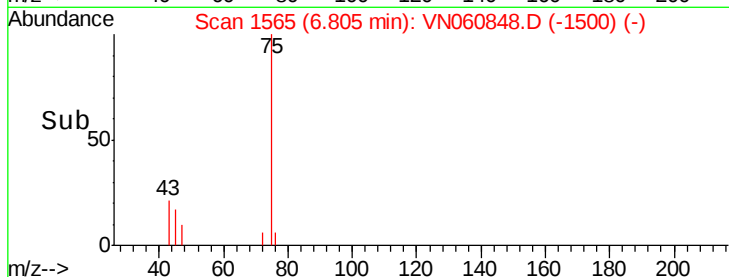
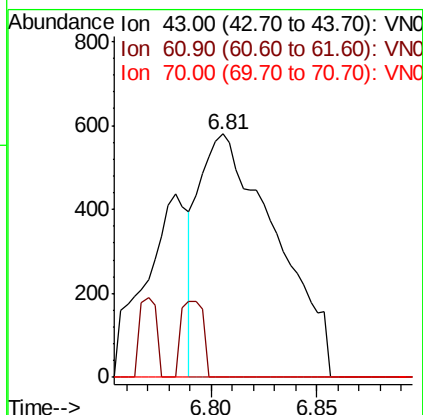
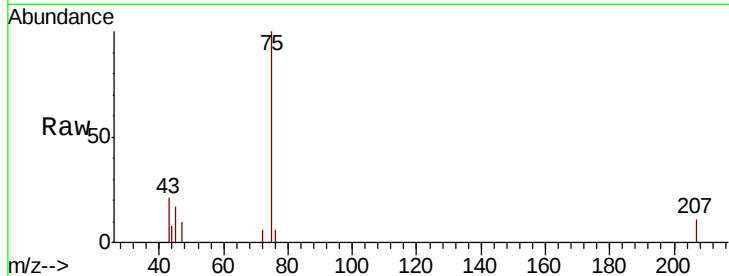




#37
Ethyl Acetate
Concen: 0.405 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.09 min
Lab File: VN060848.D
Acq: 6 Apr 2020 14:04

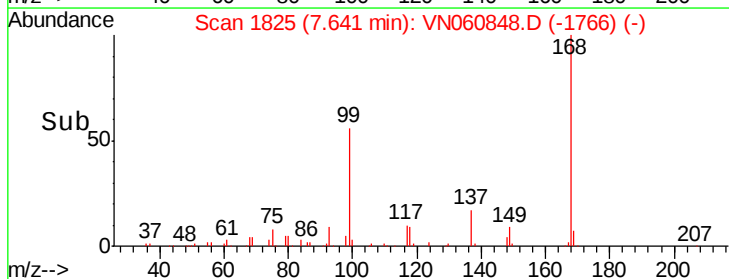
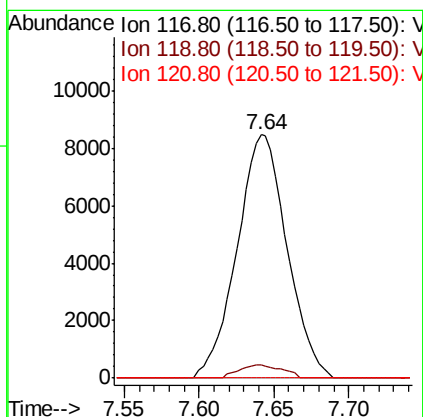
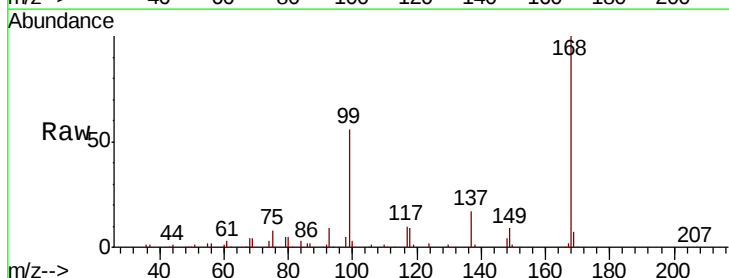
Instrument :
MSVOA_N
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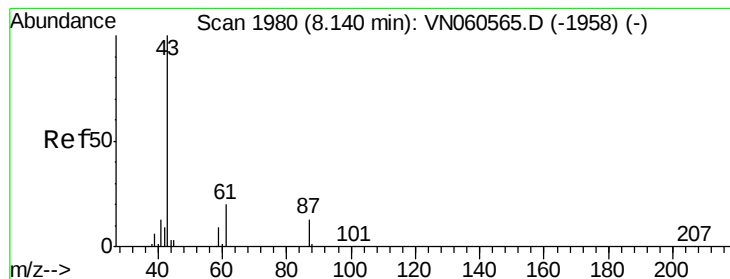
Tot Ion: 43 Resp: 1473
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.510 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060848.D
Acq: 6 Apr 2020 14:04

Tgt Ion: 117 Resp: 19646
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 9.173 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060848.D

Acq: 6 Apr 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

TP-7

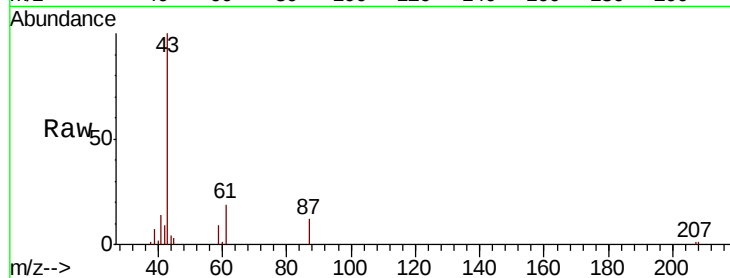
Tot Ion: 43 Resp: 55044

Ion Ratio Lower Upper

43 100

61 18.6 20.7 31.1#

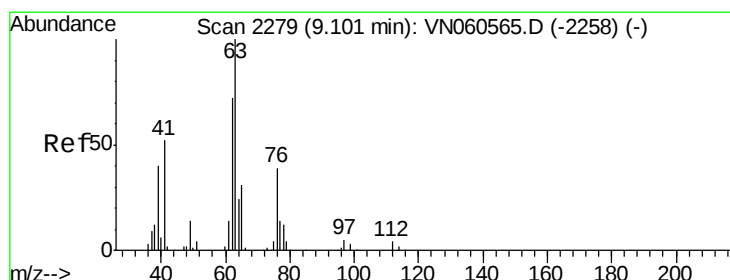
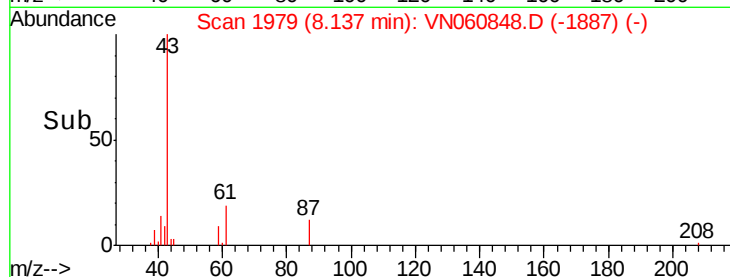
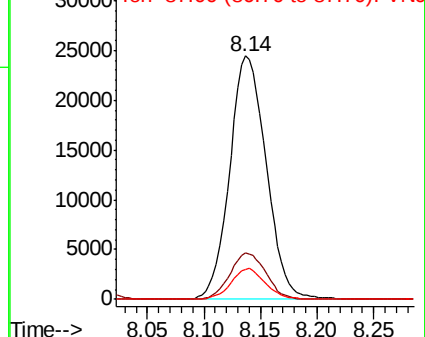
87 11.8 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060565.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1958) (-)



#45

1,2-Dichloropropane

Concen: 0.309 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060848.D

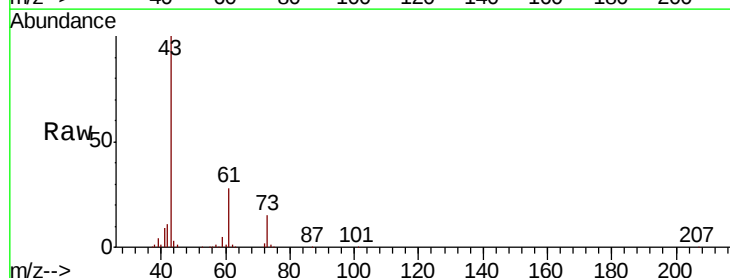
Acq: 6 Apr 2020 14:04

Tgt Ion: 63 Resp: 829

Ion Ratio Lower Upper

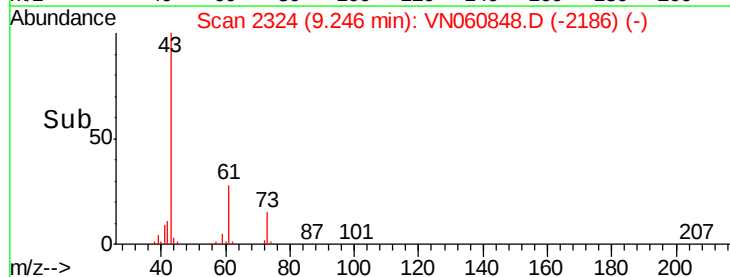
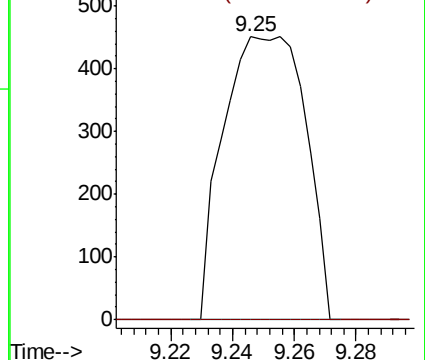
63 100

65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060565.D (-2258) (-)

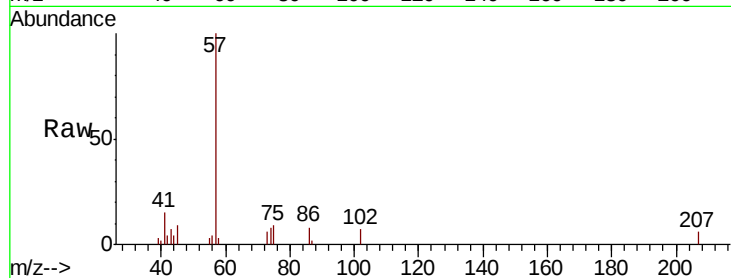




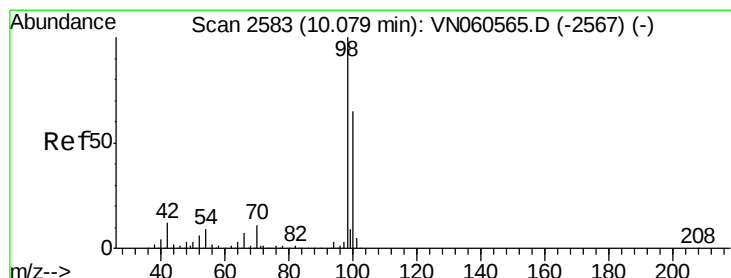
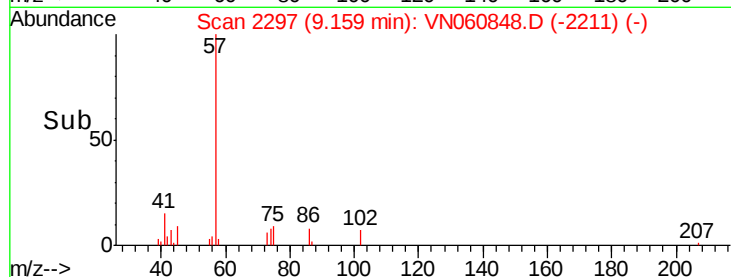
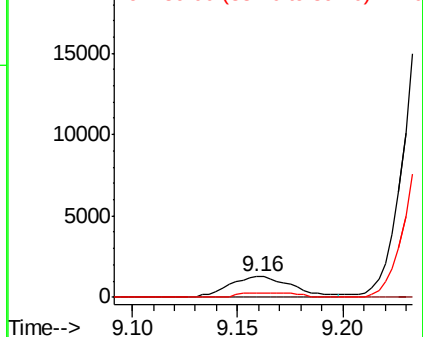
#48
Methvl methacrylate
Concen: 0.990 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060848.D
Acq: 6 Apr 2020 14:04

Instrument :
MSVOA_N
ClientSampled :
TP-7

Tot Ion: 41 Resp: 2644
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

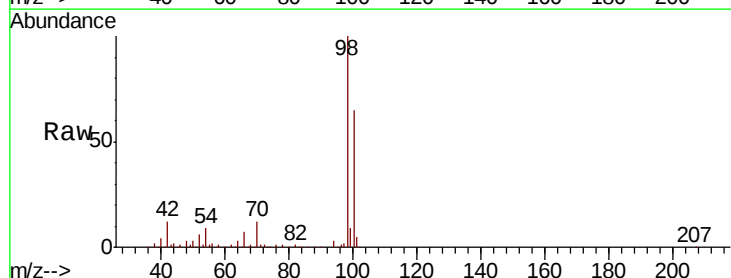


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

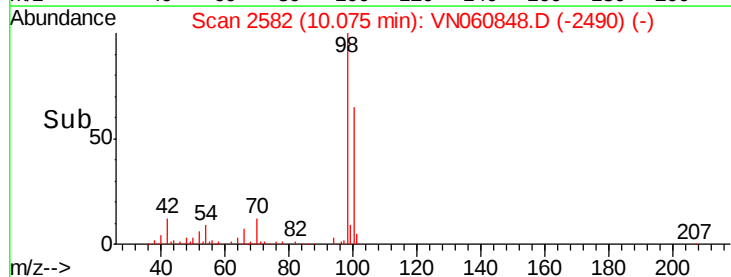
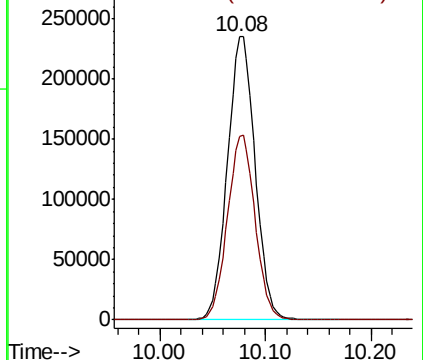


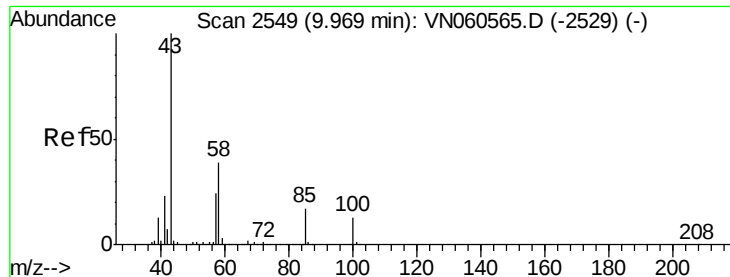
#50
Toluene-d8
Concen: 49.783 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060848.D
Acq: 6 Apr 2020 14:04

Tgt Ion: 98 Resp: 427585
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.159 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060848.D

Acq: 6 Apr 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

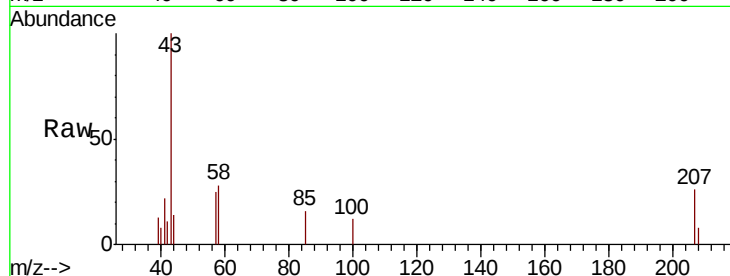
TP-7

Tot Ion: 43 Resp: 3957

Ion Ratio Lower Upper

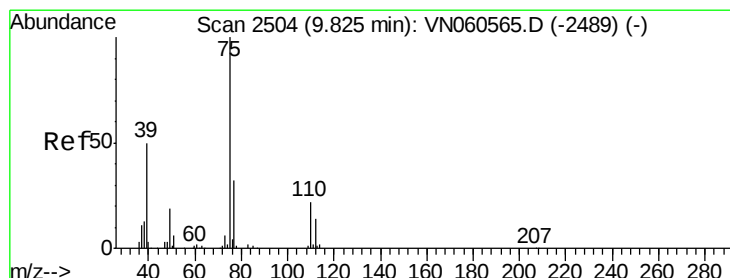
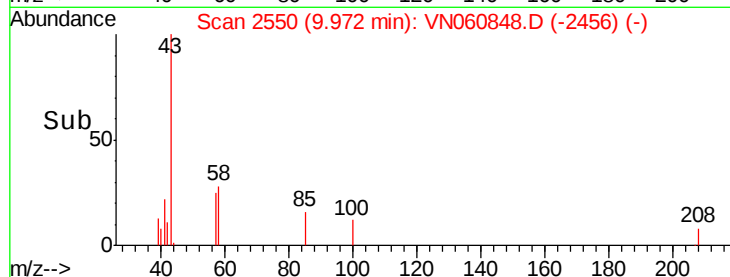
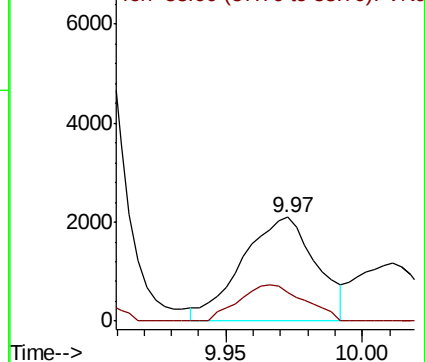
43 100

58 30.8 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.624 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060848.D

Acq: 6 Apr 2020 14:04

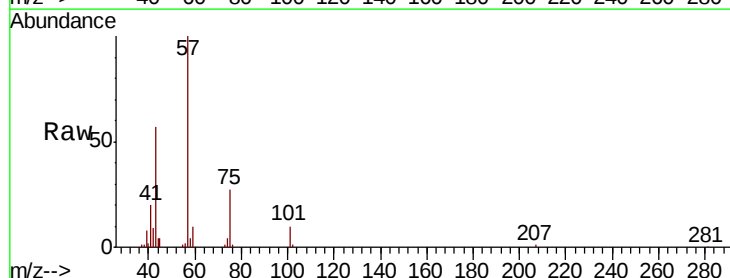
Tgt Ion: 75 Resp: 19637

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

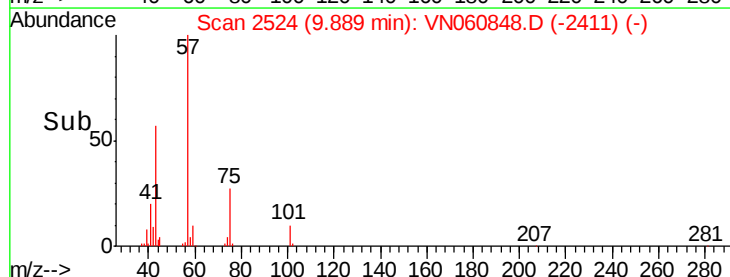
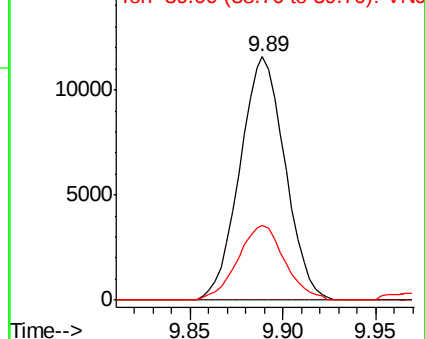
39 30.8 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

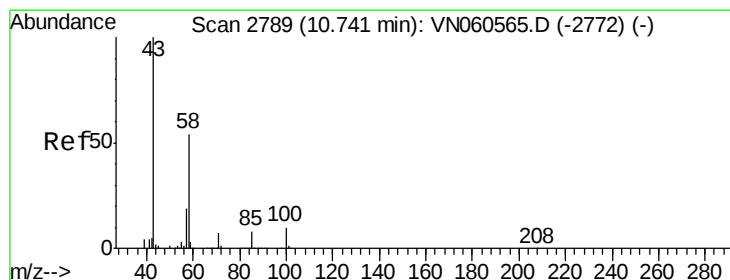
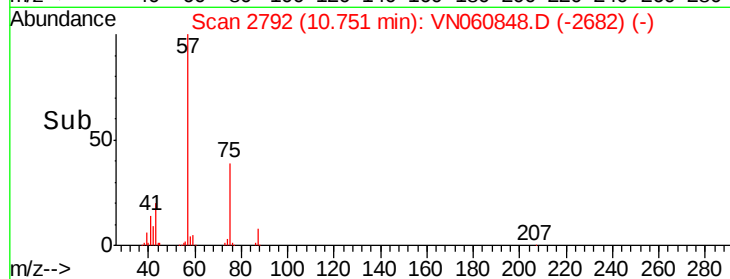
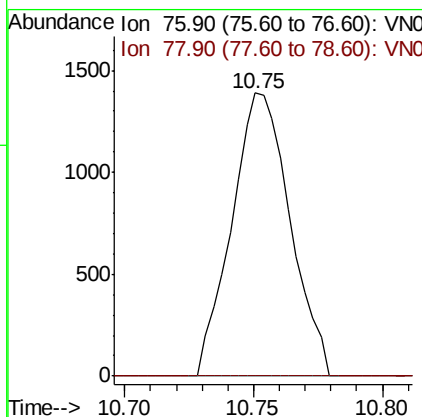
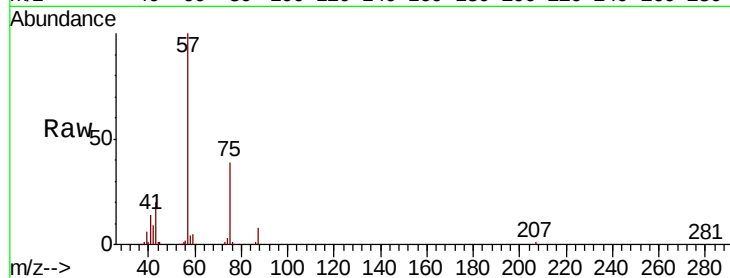




#57
 1,3-Dichloropropane
 Concen: 0.533 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.05 min
 Lab File: VN060848.D
 Acq: 6 Apr 2020 14:04

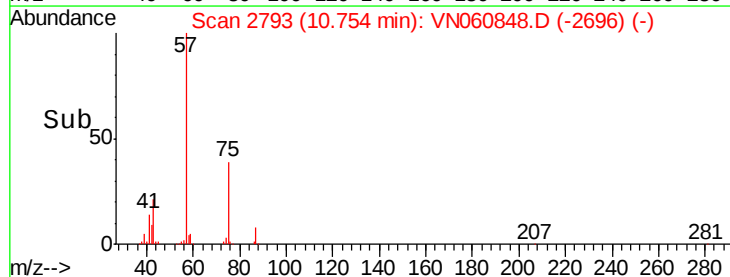
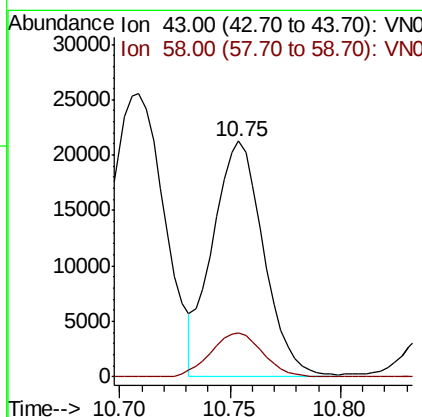
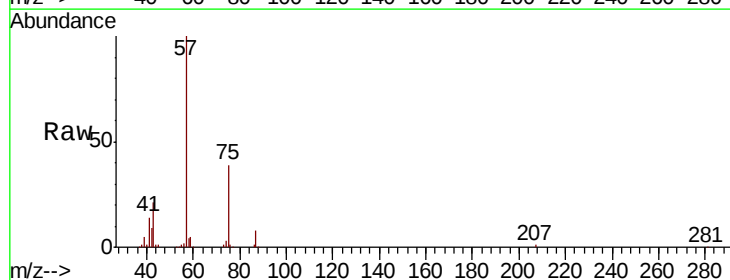
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Tot Ion: 76 Resp: 2184
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 13.897 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060848.D
 Acq: 6 Apr 2020 14:04

Tgt Ion: 43 Resp: 34184
 Ion Ratio Lower Upper
 43 100
 58 19.0 26.7 80.1#

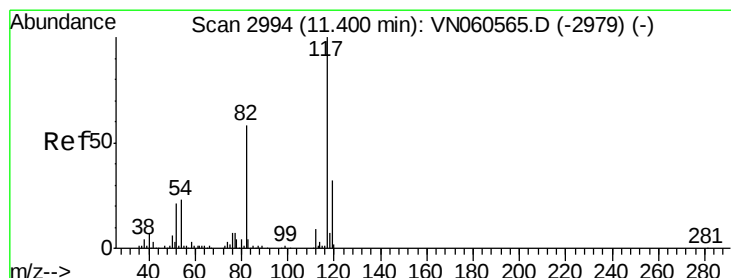
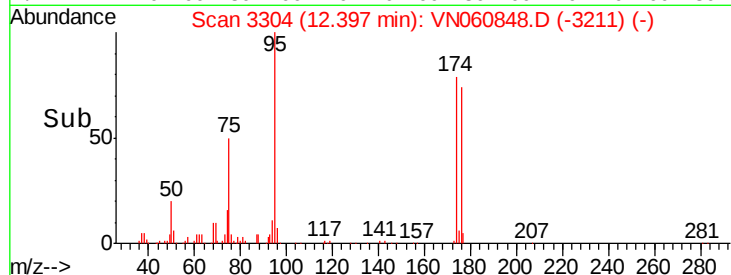
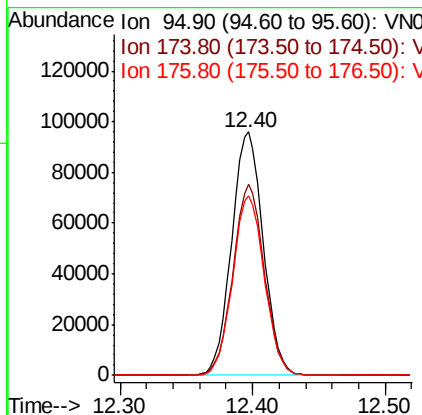
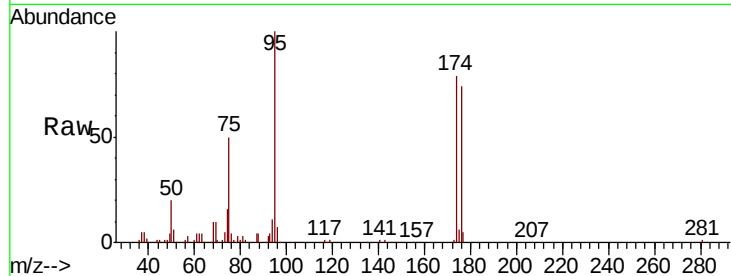




#62
4-Bromofluorobenzene
Concen: 50.425 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060848.D
Acq: 6 Apr 2020 14:04

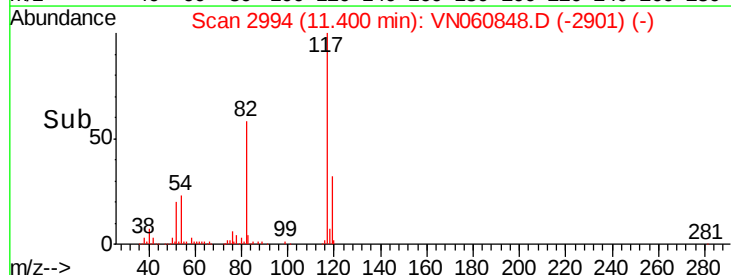
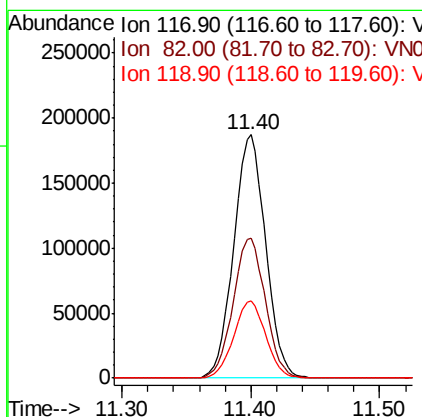
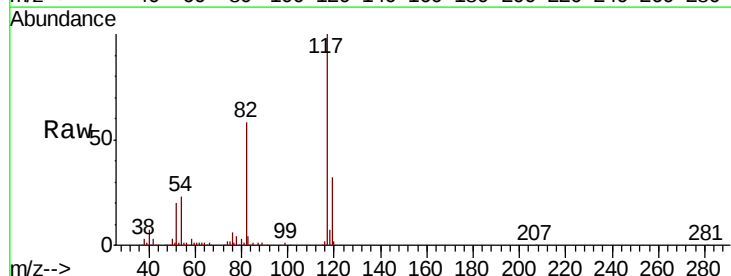
Instrument :
MSVOA_N
ClientSampleId :
TP-7

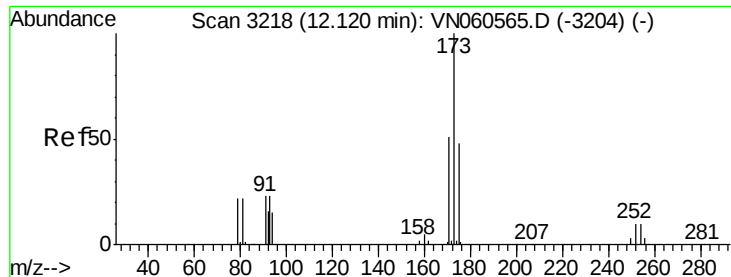
Tot Ion: 95 Resp: 158726
Ion Ratio Lower Upper
95 100
174 77.7 0.0 157.6
176 74.1 0.0 150.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060848.D
Acq: 6 Apr 2020 14:04

Tgt Ion: 117 Resp: 321784
Ion Ratio Lower Upper
117 100
82 57.6 46.7 70.1
119 31.9 25.5 38.3





#71

Bromoform

Concen: 1.892 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060848.D

Acq: 6 Apr 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

TP-7

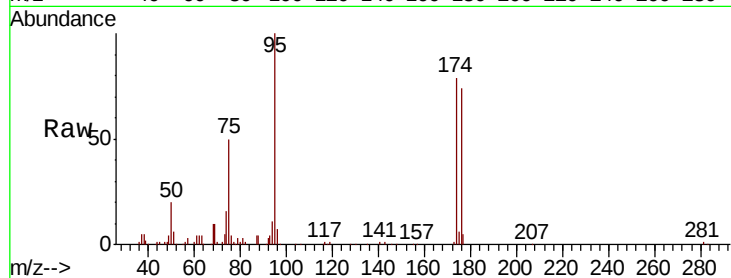
Tot Ion:173 Resp: 420

Ion Ratio Lower Upper

173 100

175 1860.7 24.1 72.4#

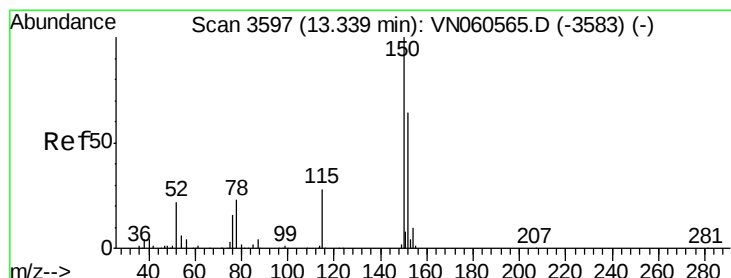
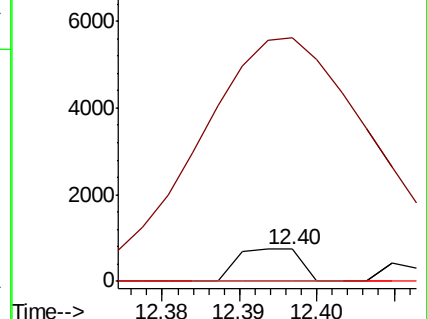
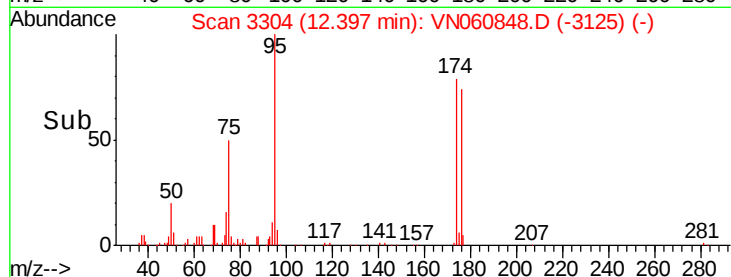
254 0.0 0.0 0.0



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: VN060848.D

Acq: 6 Apr 2020 14:04

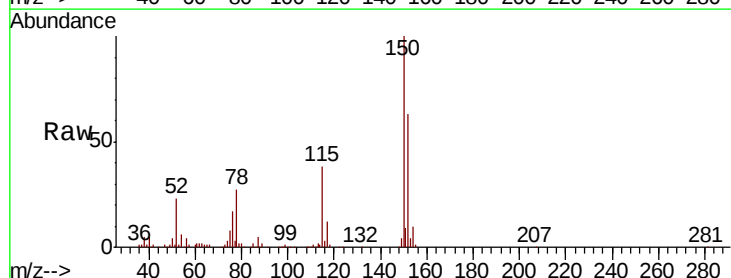
Tgt Ion:152 Resp: 142765

Ion Ratio Lower Upper

152 100

115 60.7 30.2 90.6

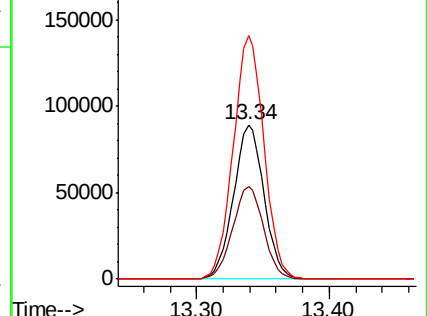
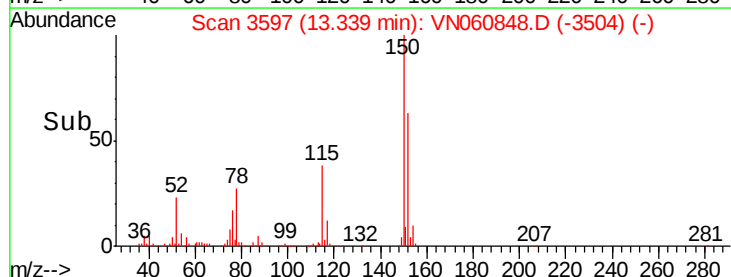
150 158.1 0.0 350.2

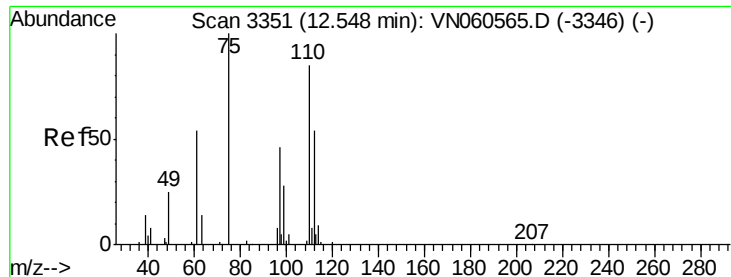


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.691 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060848.D

Acq: 6 Apr 2020 14:04

Instrument :

MSVOA_N

ClientSampled :

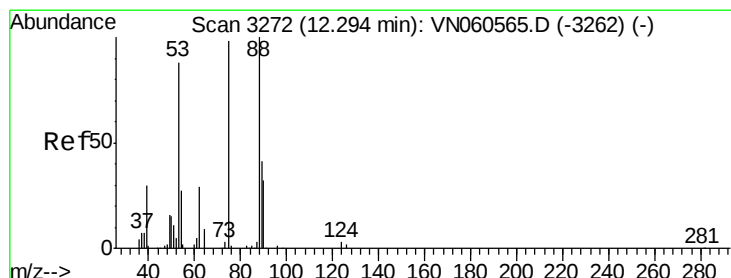
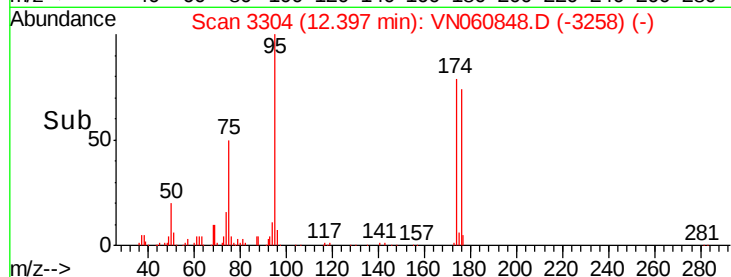
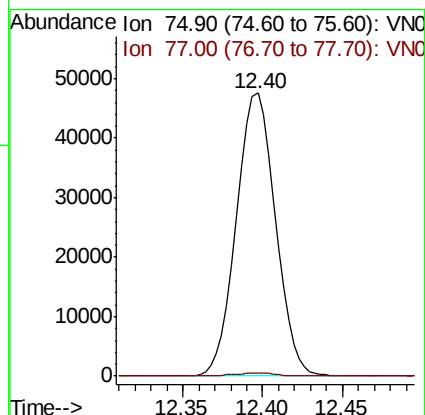
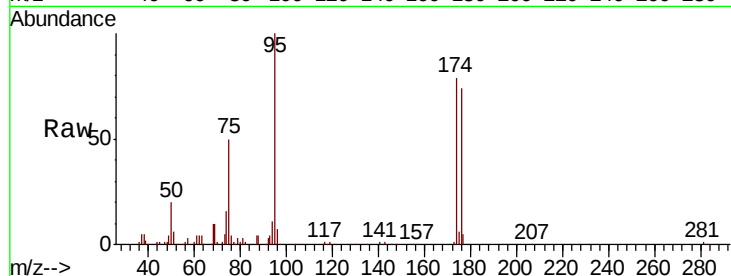
TP-7

Tot Ion: 75 Resp: 79143

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.982 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060848.D

Acq: 6 Apr 2020 14:04

Tgt Ion: 75 Resp: 79143

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

