

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
 Data File : VN060348.D
 Acq On : 4 Mar 2020 15:04
 Operator : JC/MD
 Sample : PB127249ZHE#17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#17

Quant Time: Mar 05 05:10:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	190611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	311431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137101	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	123210	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.57	113	82764	57.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.50%	
50) Toluene-d8	10.08	98	382344	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.40	95	143406	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

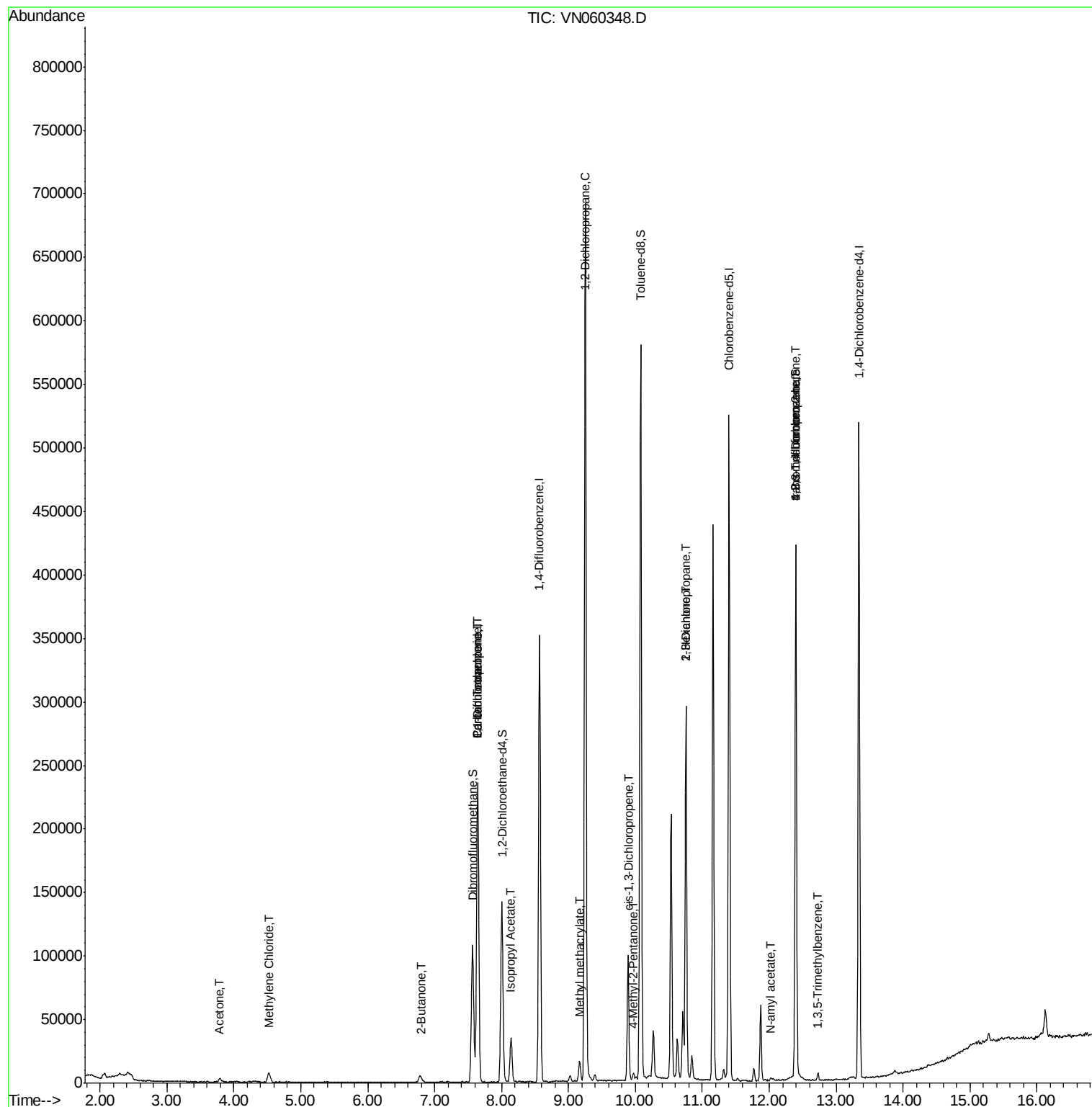
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.94	96	71	Below Cal	#	1
16) Acetone	3.79	43	5937	7.518	ug/l	95
20) Methylene Chloride	4.53	84	5772	2.661	ug/l #	90
25) 2-Butanone	6.82	43	1458	1.143	ug/l #	49
31) Cyclohexane	7.65	56	4167	Below Cal	#	2
36) 1,1-Dichloropropene	7.64	75	14646	4.934	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18332	6.344	ug/l #	16
43) Isopropyl Acetate	8.14	43	42158	8.569	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	788	0.349	ug/l #	44
48) Methyl methacrylate	9.16	41	2625	1.170	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3903	1.399	ug/l	88
54) cis-1,3-Dichloropropene	9.89	75	17867	4.721	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	3006	0.845	ug/l #	42
59) 2-Hexanone	10.75	43	43955	21.460	ug/l #	52
74) N-amyl acetate	12.02	43	2909	0.655	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	73325	24.377	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3545	0.414	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	73325	67.291	ug/l #	8
95) Naphthalene	15.13	128	329	Below Cal	#	69

(#) = 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: VN060348.D

Acq: 4 Mar 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

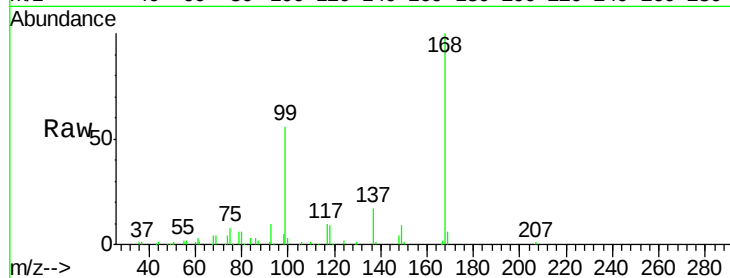
PB127249ZHE#17

Tgt Ion:168 Resp: 190611

Ion Ratio Lower Upper

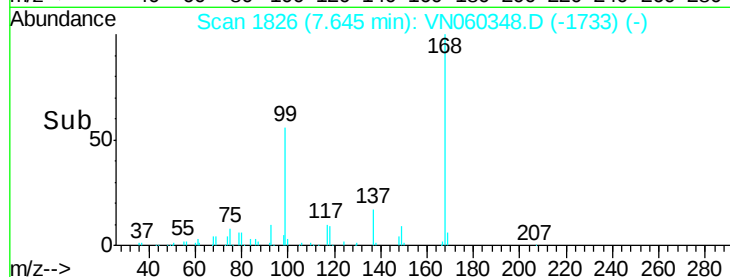
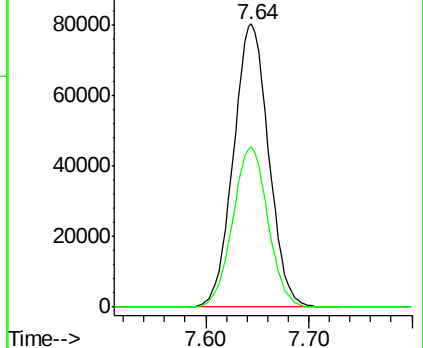
168 100

99 56.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 7.518 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060348.D

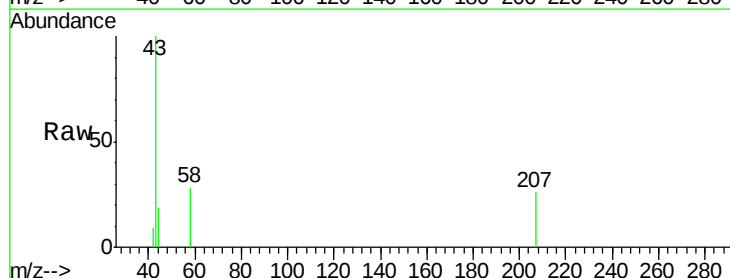
Acq: 4 Mar 2020 15:04

Tgt Ion: 43 Resp: 5937

Ion Ratio Lower Upper

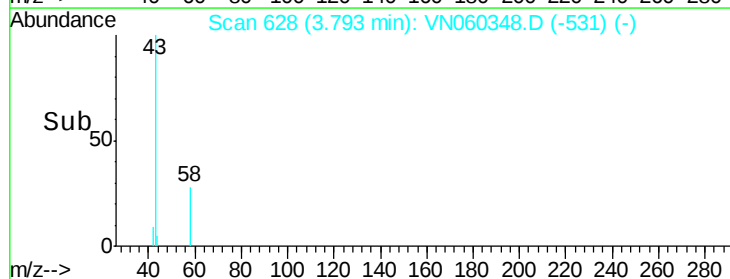
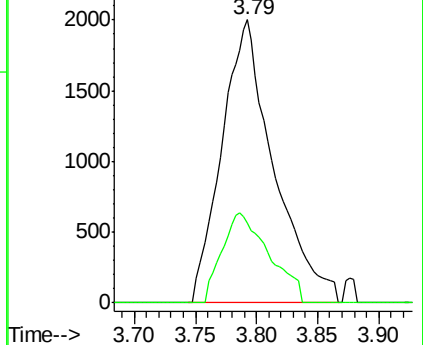
43 100

58 28.0 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

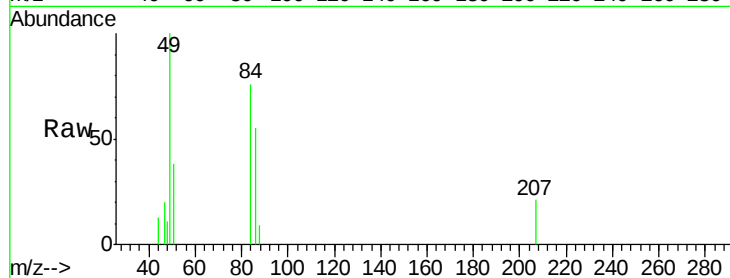




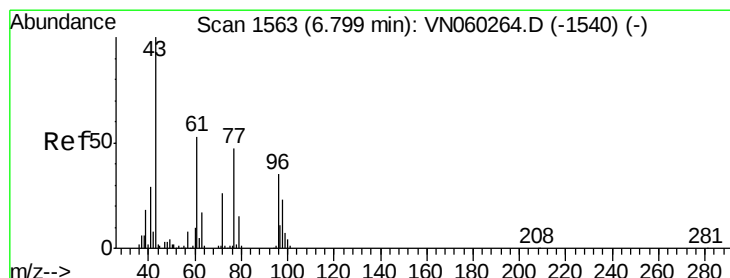
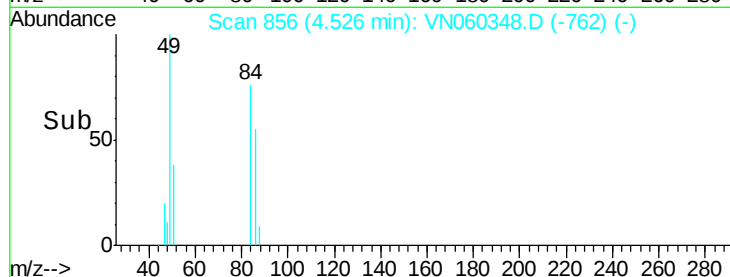
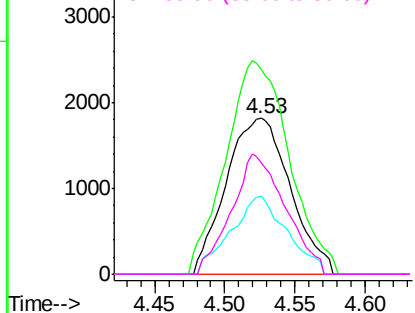
#20
Methylene Chloride
Concen: 2.661 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060348.D
Acq: 4 Mar 2020 15:04

Instrument :
MSVOA_N
ClientSampleId :
PB127249ZHE#17

Tgt Ion: 84 Resp: 5772
Ion Ratio Lower Upper
84 100
49 131.2 99.3 148.9
51 50.2 30.1 45.1#
86 71.7 51.1 76.7

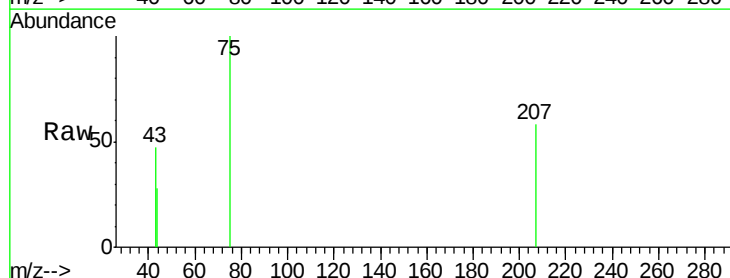


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

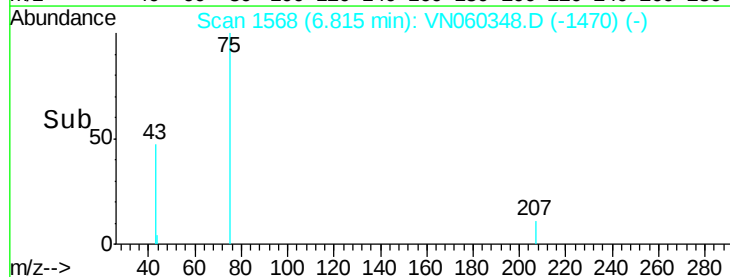
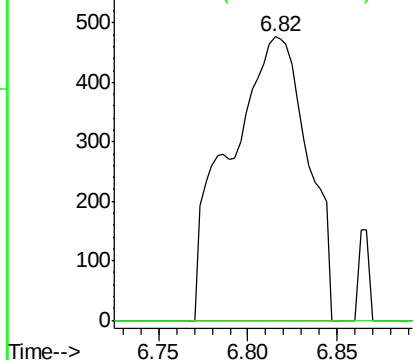


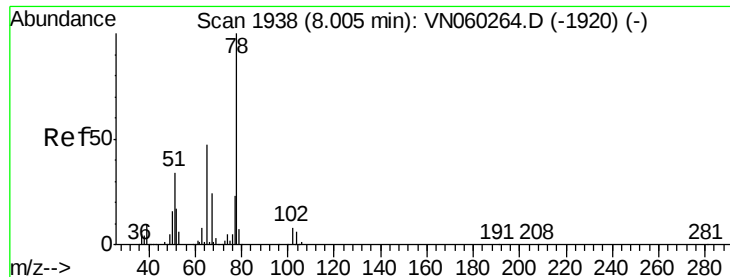
#25
2-Butanone
Concen: 1.143 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VN060348.D
Acq: 4 Mar 2020 15:04

Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC

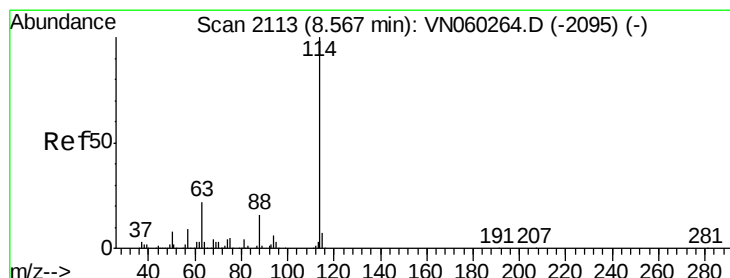
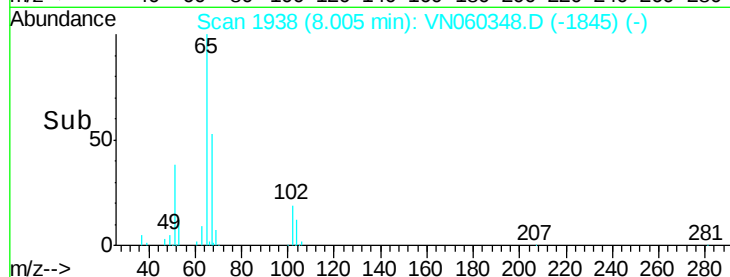
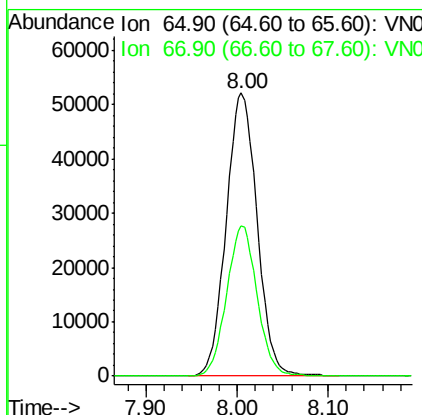
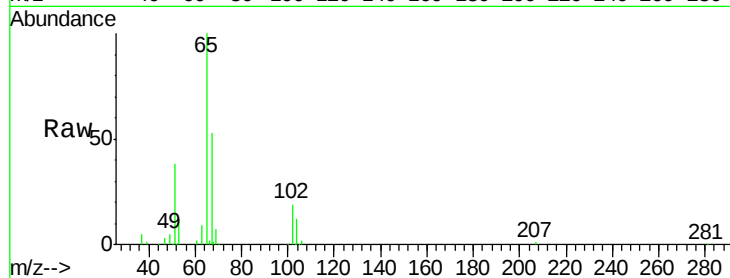




#33
 1,2-Dichloroethane-d4
 Concen: 50.381 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060348.D
 Acq: 4 Mar 2020 15:04

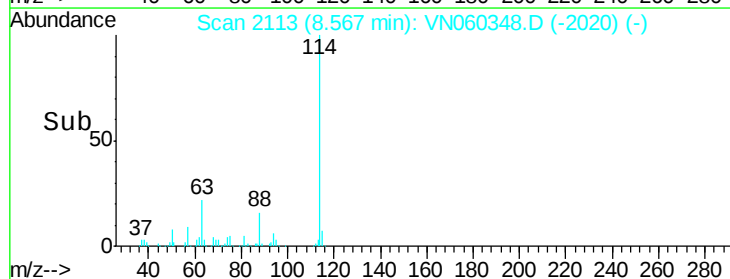
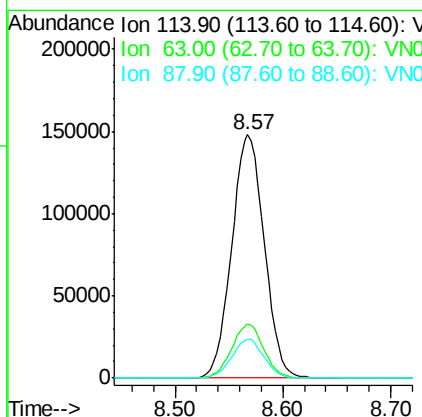
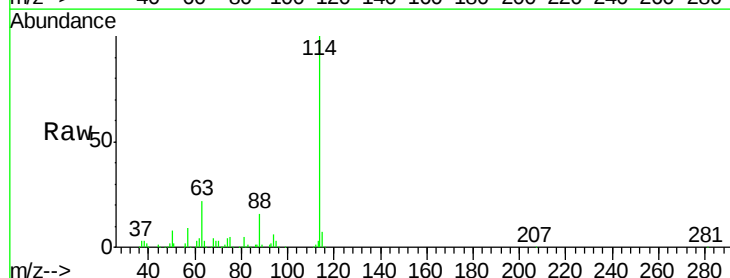
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#17

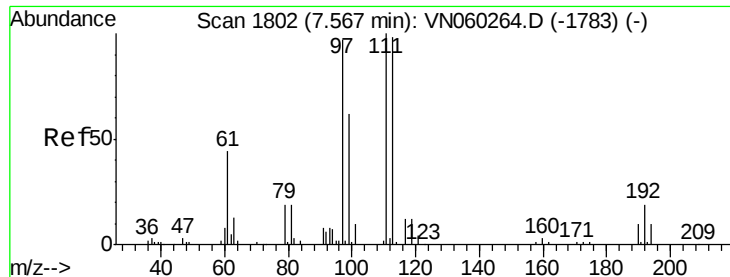
Tgt Ion: 65 Resp: 123210
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060348.D
 Acq: 4 Mar 2020 15:04

Tgt Ion: 114 Resp: 311431
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.2
 88 16.0 0.0 31.6

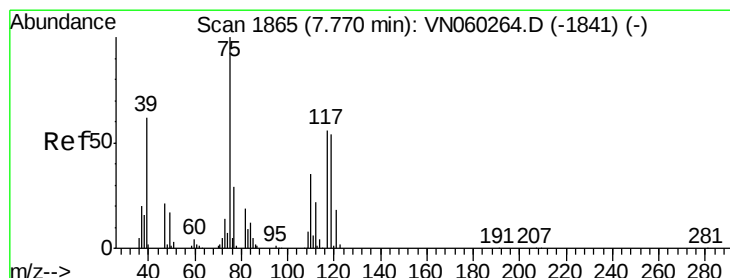
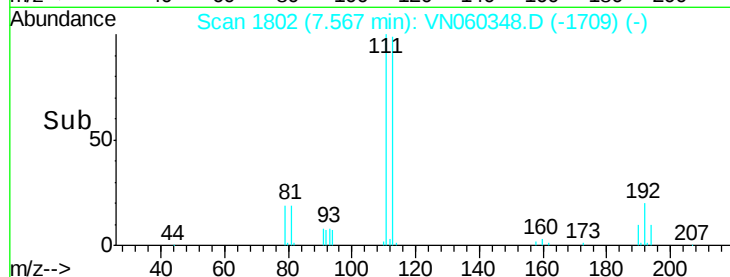
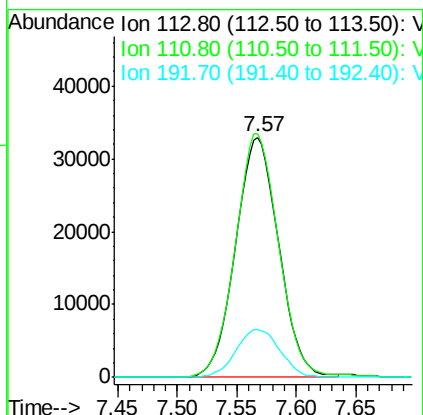
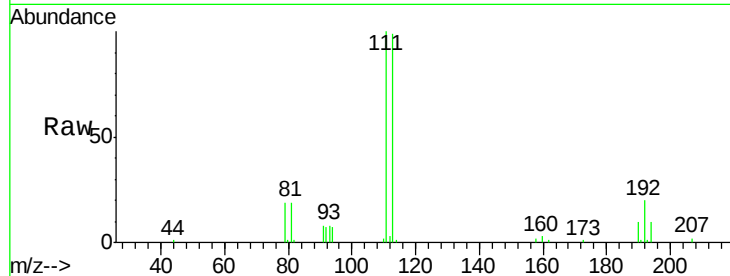




#35
 Dibromofluoromethane
 Concen: 57.254 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060348.D
 Acq: 4 Mar 2020 15:04

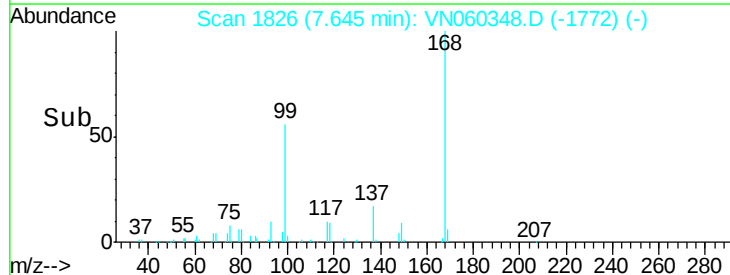
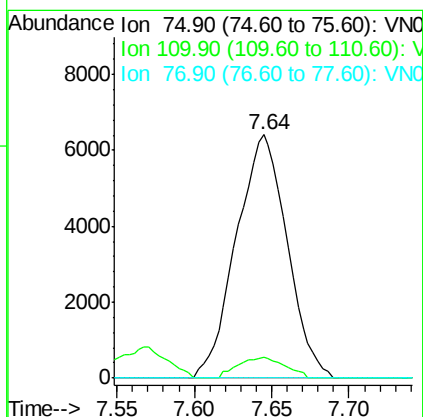
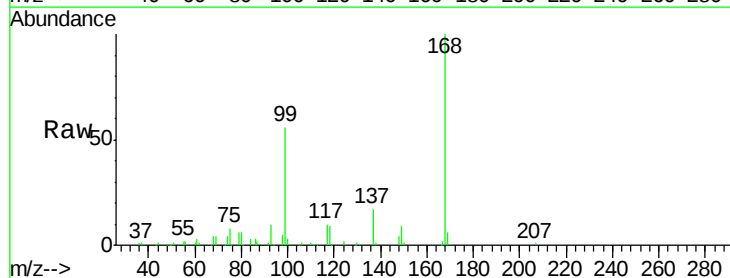
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127249ZHE#17

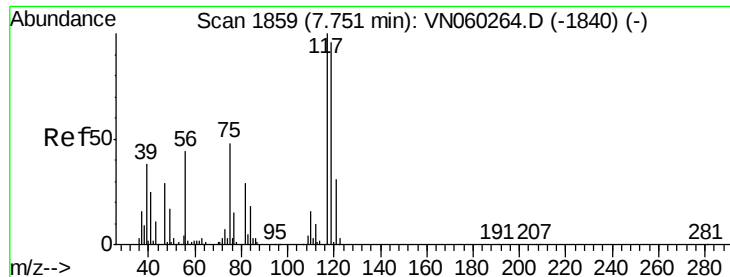
Tgt Ion:113 Resp: 82764
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.4 123.6
 192 20.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.934 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060348.D
 Acq: 4 Mar 2020 15:04

Tgt Ion: 75 Resp: 14646
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.3 52.0#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.344 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060348.D

Acq: 4 Mar 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB127249ZHE#17

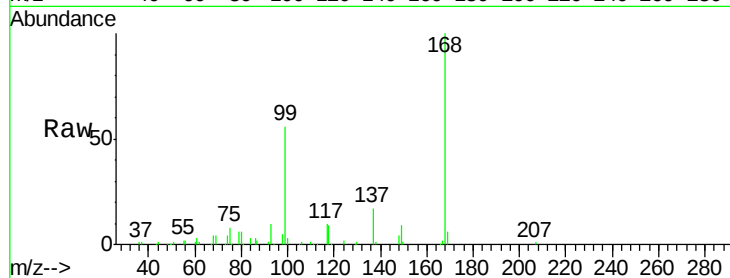
Tgt Ion: 117 Resp: 18332

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

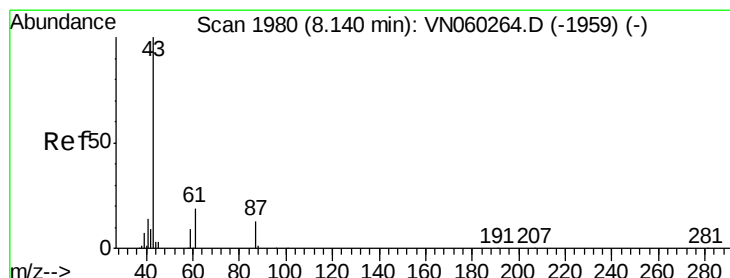
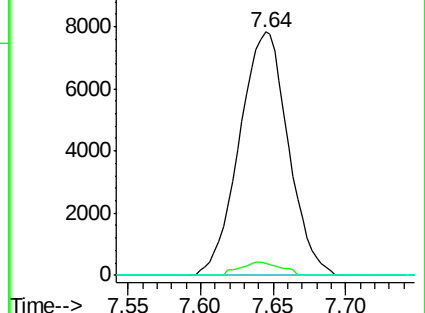
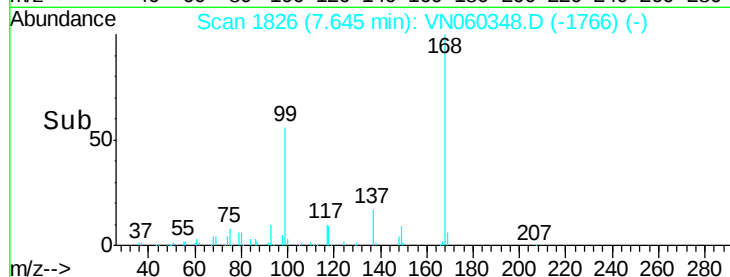
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 8.569 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060348.D

Acq: 4 Mar 2020 15:04

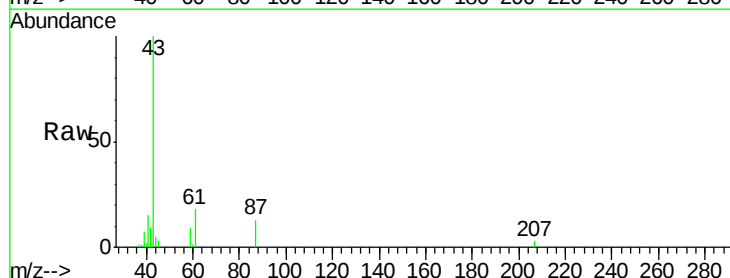
Tgt Ion: 43 Resp: 42158

Ion Ratio Lower Upper

43 100

61 18.7 20.9 31.3#

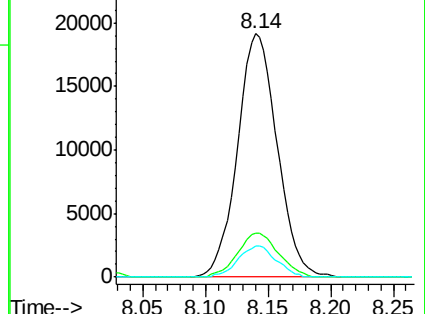
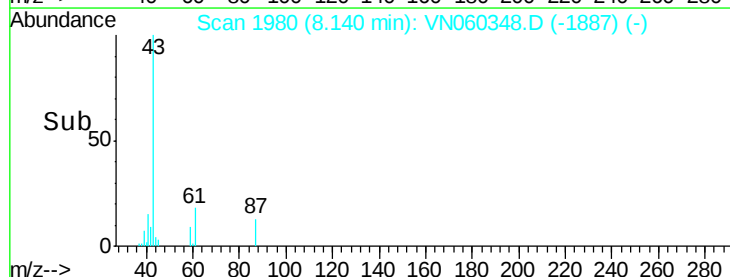
87 12.4 10.6 16.0

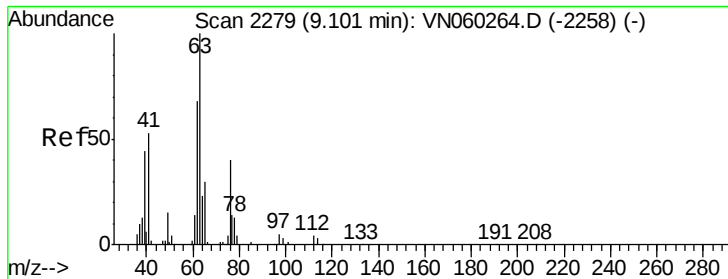


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

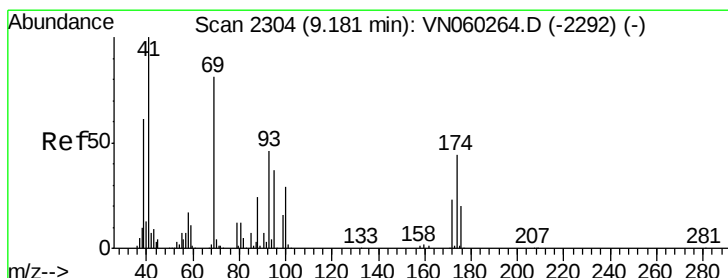
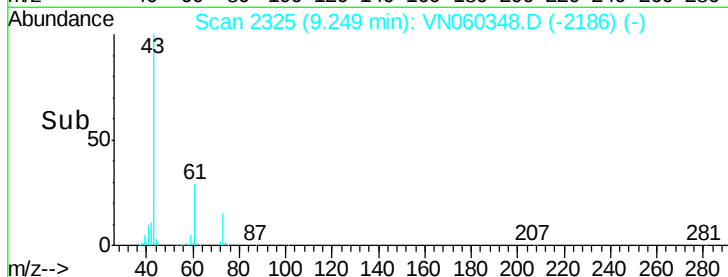
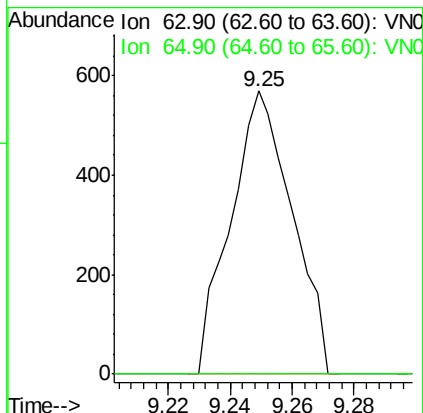
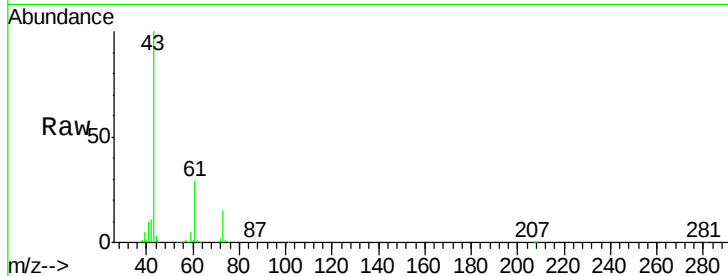




#45
 1,2-Dichloropropane
 Concen: 0.349 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060348.D
 Acq: 4 Mar 2020 15:04

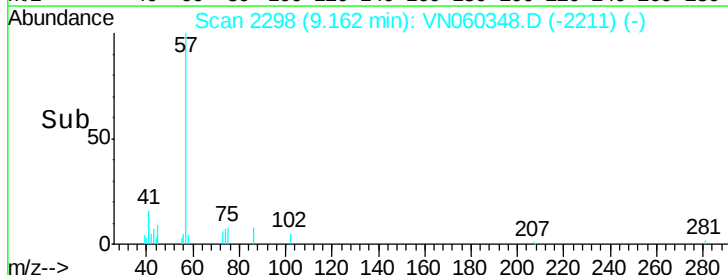
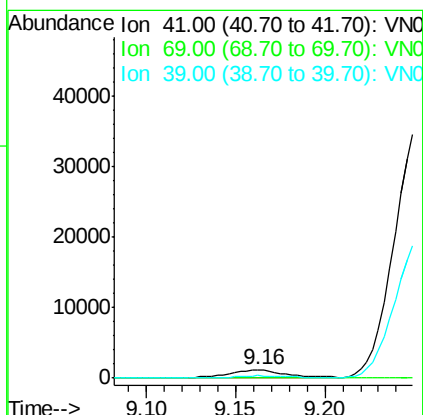
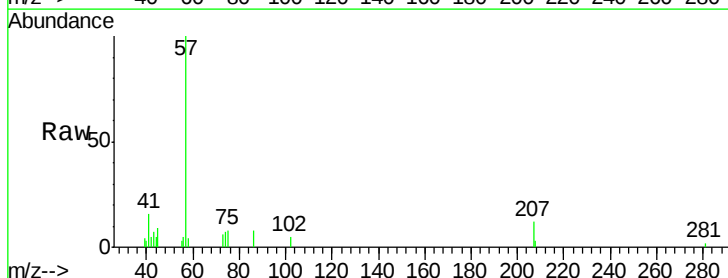
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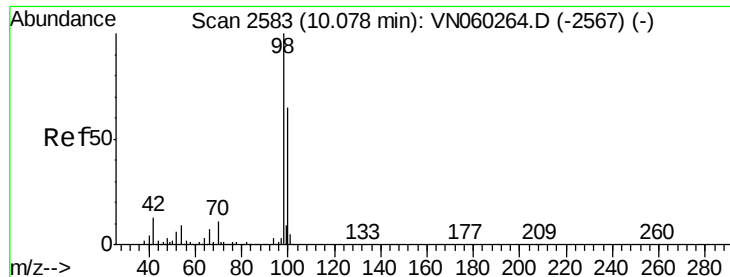
Tgt Ion: 63 Resp: 788
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.170 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060348.D
 Acq: 4 Mar 2020 15:04

Tgt Ion: 41 Resp: 2625
 Ion Ratio Lower Upper
 41 100
 69 0.0 66.7 100.1#
 39 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 52.260 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060348.D

Acq: 4 Mar 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

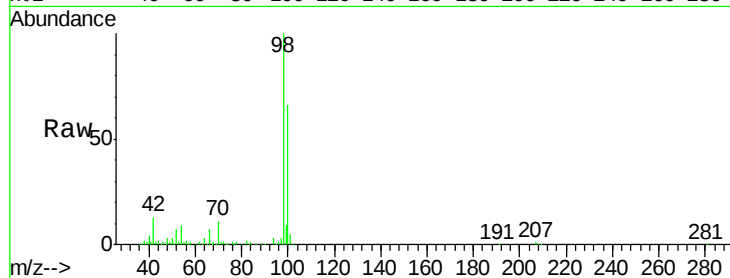
PB127249ZHE#17

Tgt Ion: 98 Resp: 382344

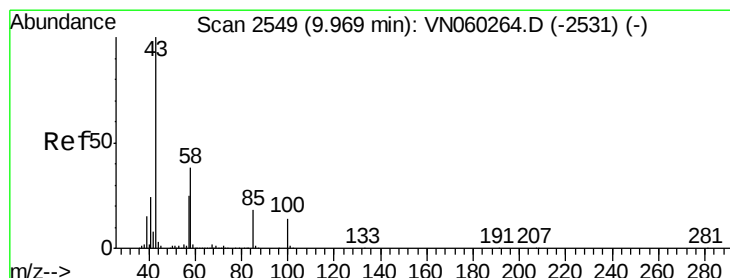
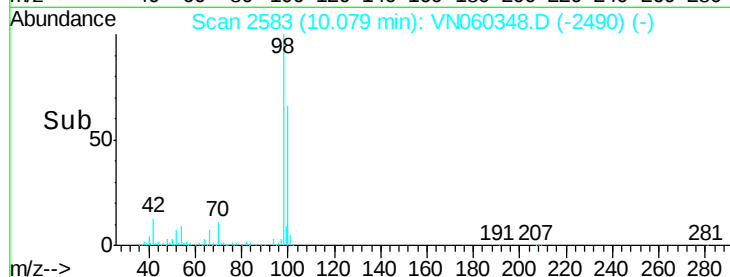
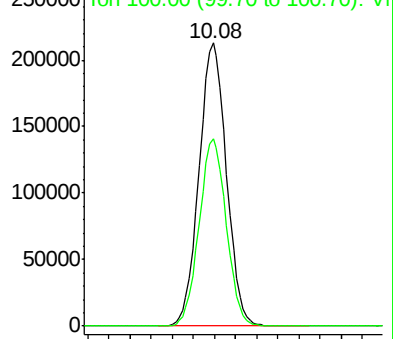
Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.399 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060348.D

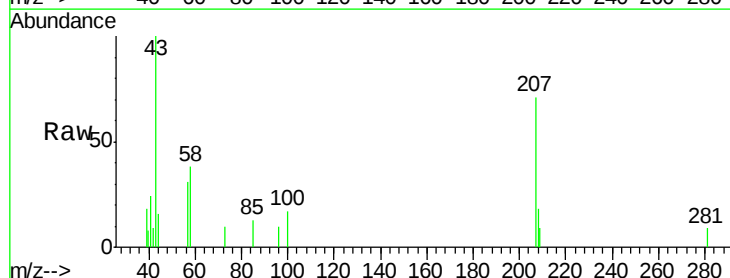
Acq: 4 Mar 2020 15:04

Tgt Ion: 43 Resp: 3903

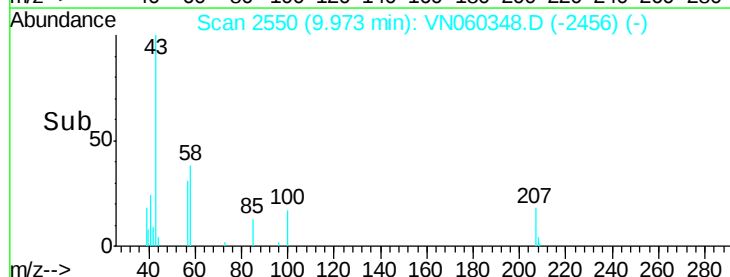
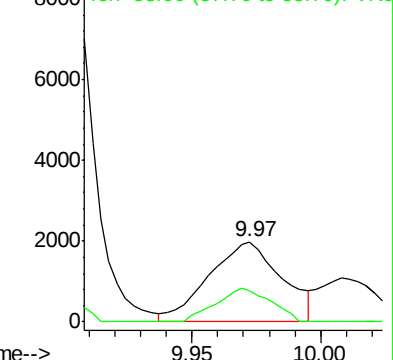
Ion Ratio Lower Upper

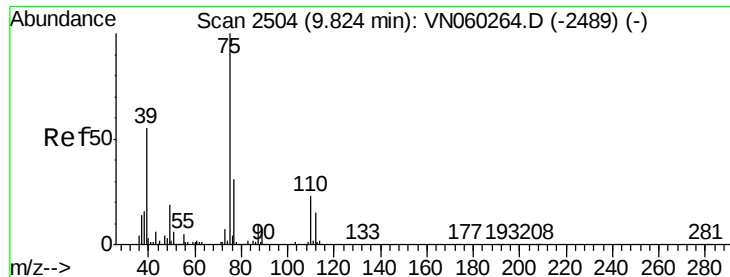
43 100

58 31.5 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)





#54

cis-1,3-Dichloropropene

Concen: 4.721 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060348.D

Acq: 4 Mar 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB127249ZHE#17

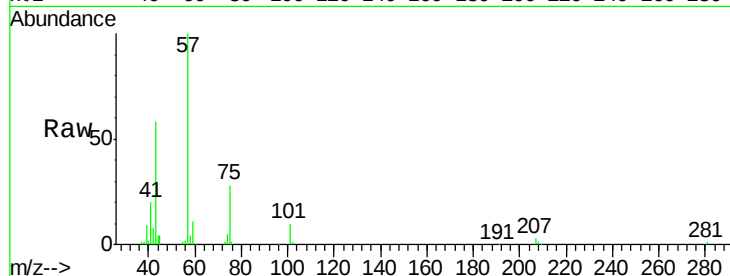
Tgt Ion: 75 Resp: 17867

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

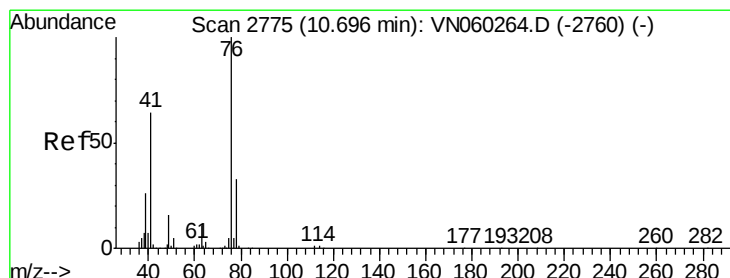
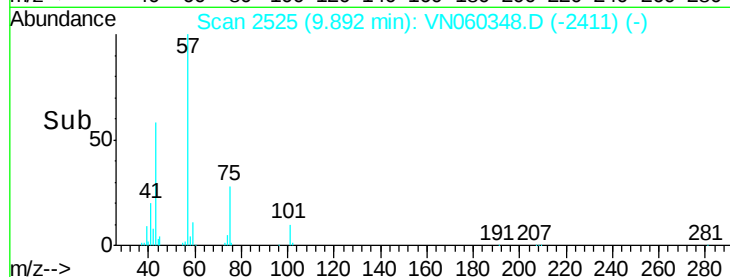
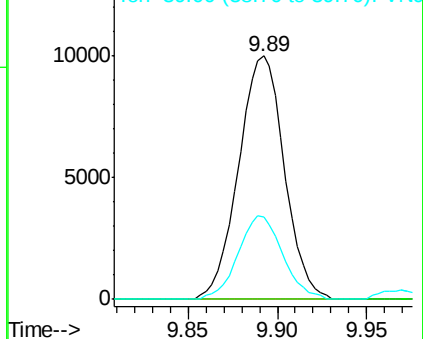
39 33.6 43.8 65.8#



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: 0.845 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN060348.D

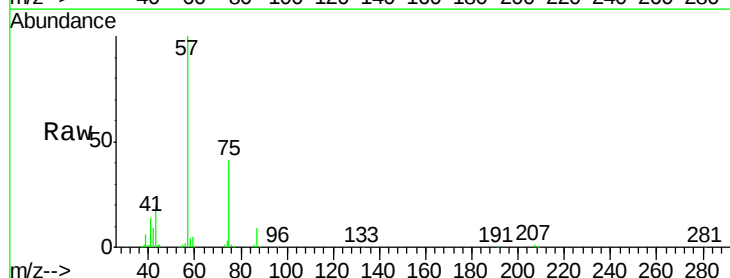
Acq: 4 Mar 2020 15:04

Tgt Ion: 76 Resp: 3006

Ion Ratio Lower Upper

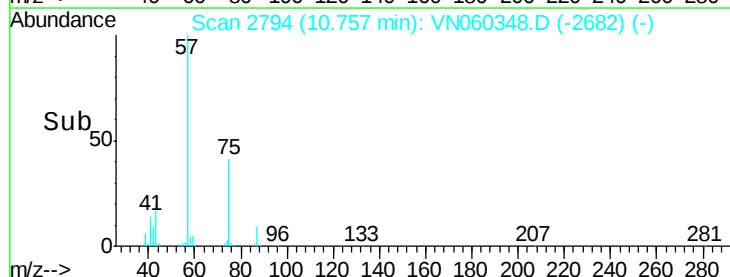
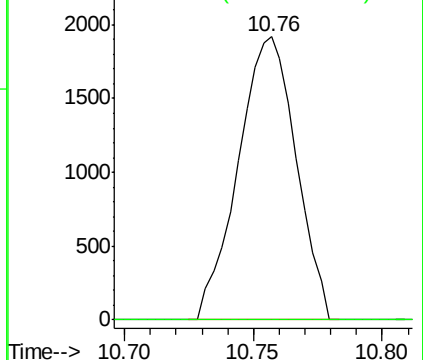
76 100

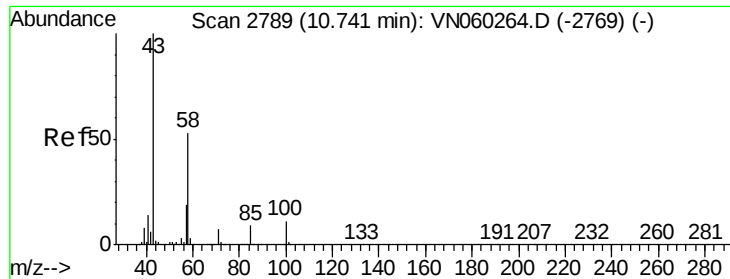
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 21.460 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060348.D

Acq: 4 Mar 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

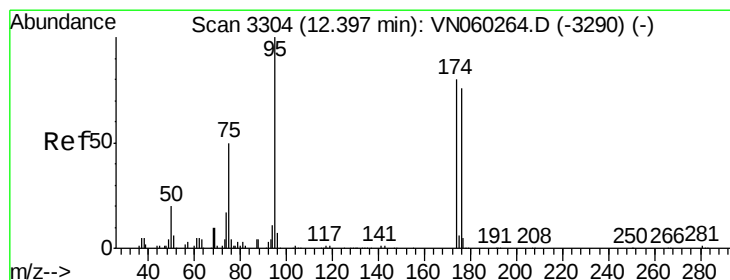
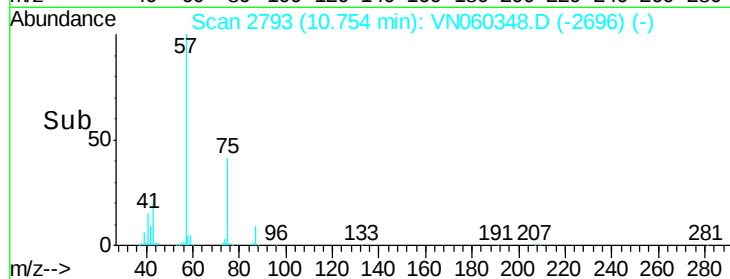
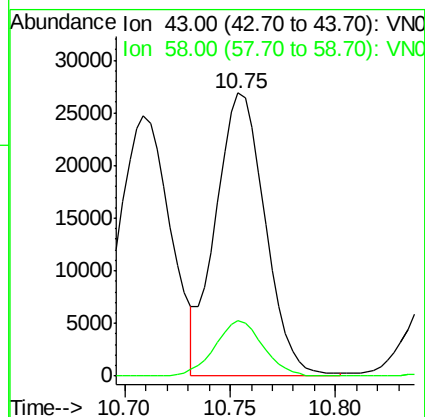
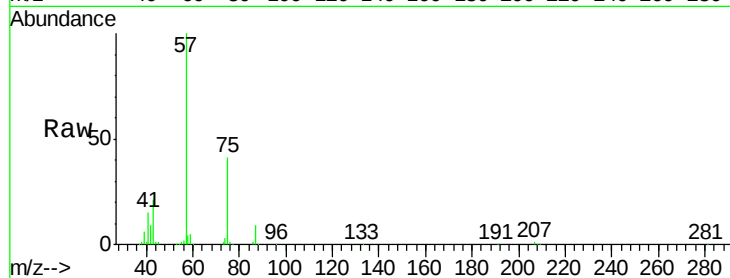
PB127249ZHE#17

Tgt Ion: 43 Resp: 43955

Ion Ratio Lower Upper

43 100

58 18.9 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 51.708 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060348.D

Acq: 4 Mar 2020 15:04

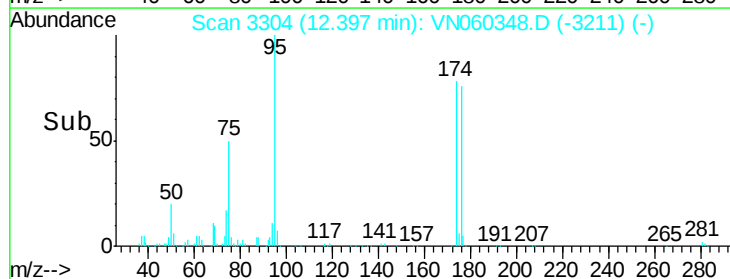
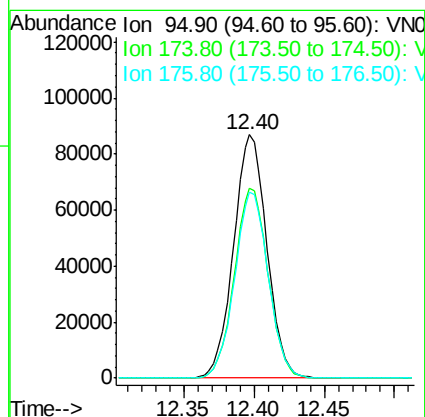
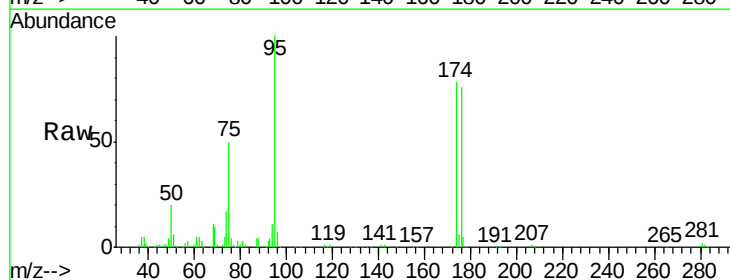
Tgt Ion: 95 Resp: 143406

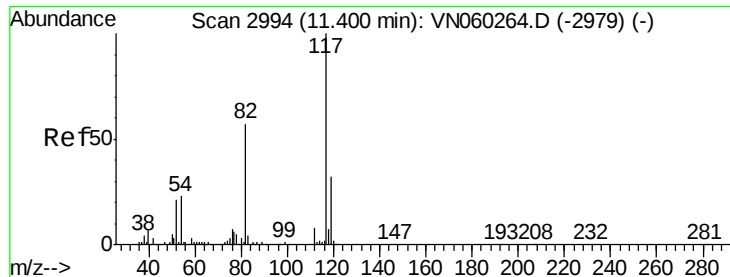
Ion Ratio Lower Upper

95 100

174 78.9 0.0 159.2

176 77.3 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060348.D

Acq: 4 Mar 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB127249ZHE#17

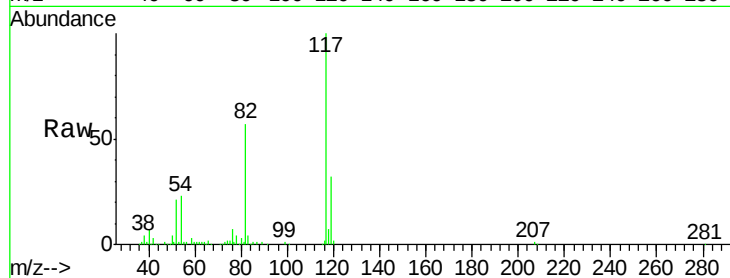
Tgt Ion:117 Resp: 292225

Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.6

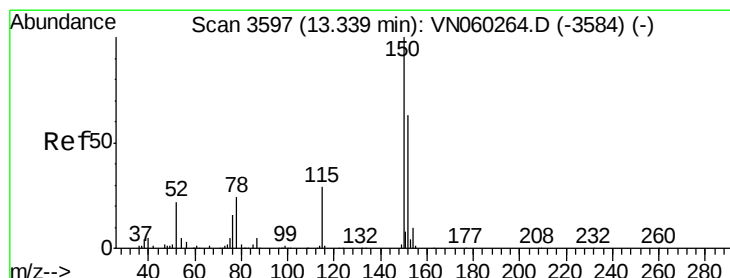
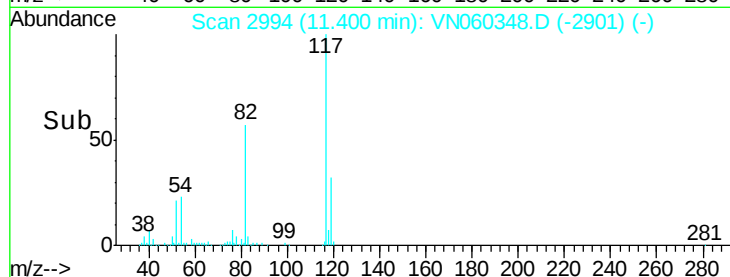
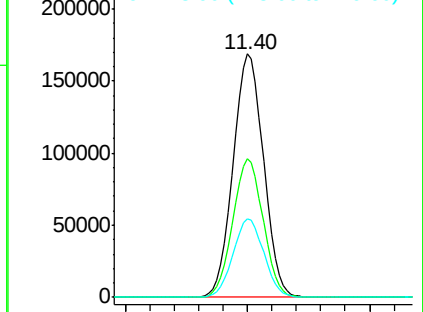
119 32.2 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): 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: VN060348.D

Acq: 4 Mar 2020 15:04

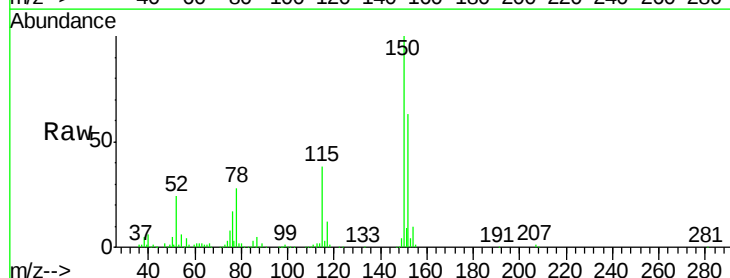
Tgt Ion:152 Resp: 137101

Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

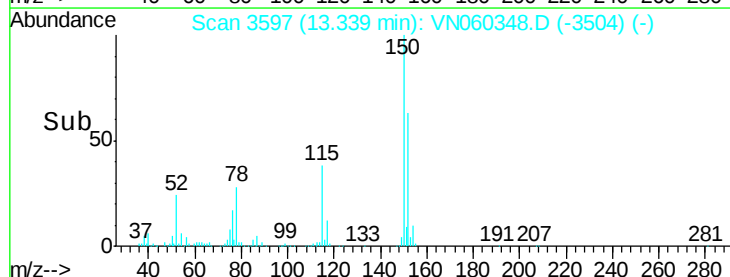
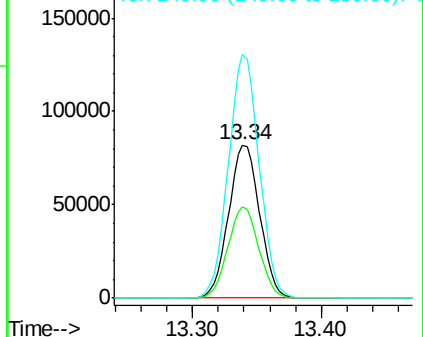
150 157.5 0.0 349.6

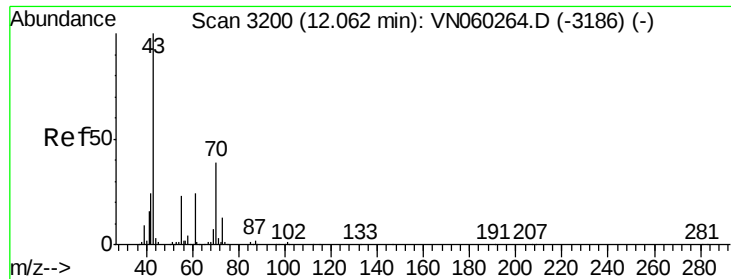


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.655 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060348.D

Acq: 4 Mar 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB127249ZHE#17

Tgt Ion: 43 Resp: 2909

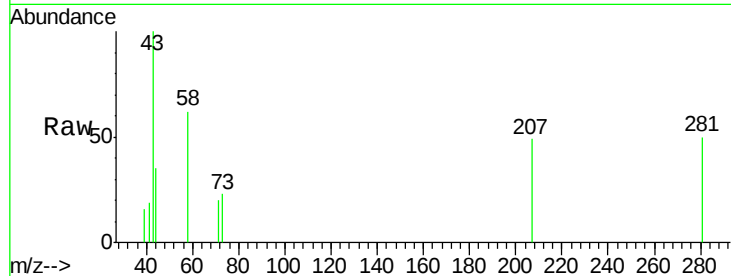
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

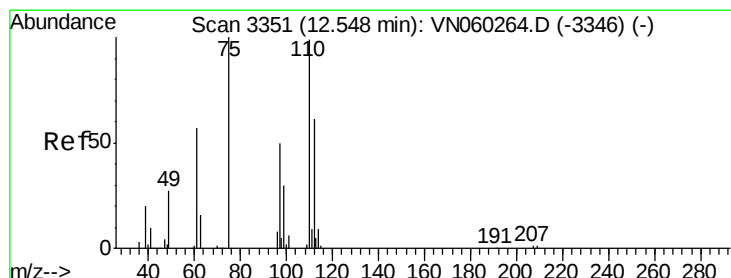
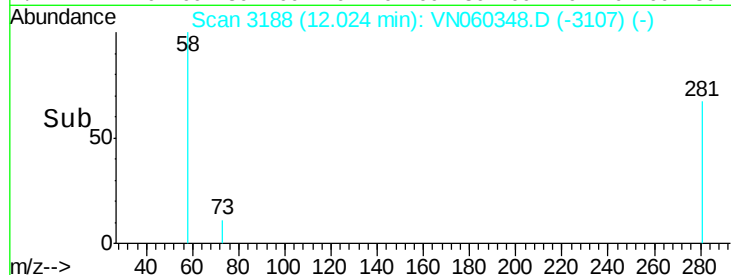
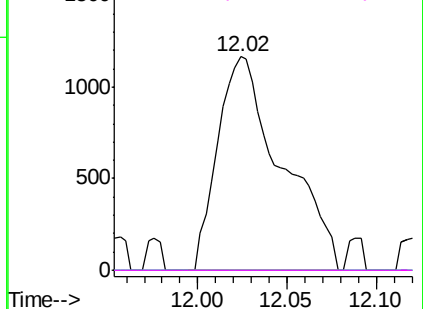


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 24.377 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060348.D

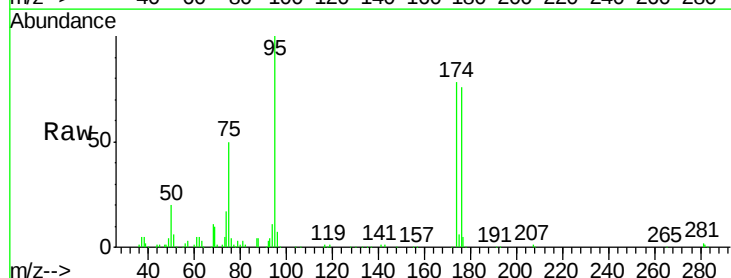
Acq: 4 Mar 2020 15:04

Tgt Ion: 75 Resp: 73325

Ion Ratio Lower Upper

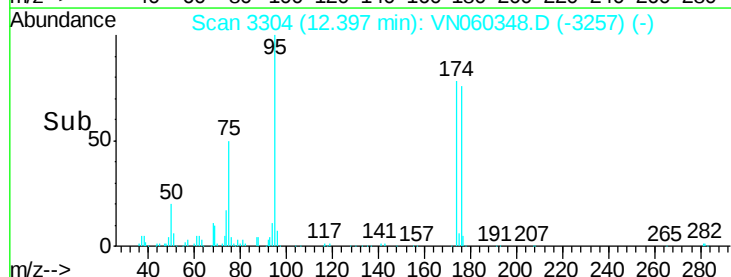
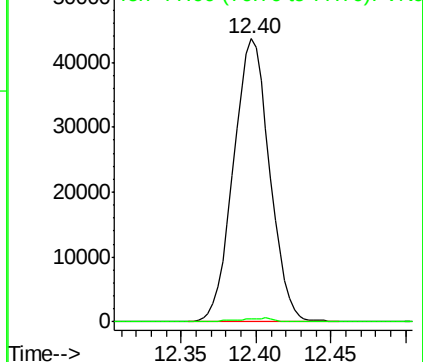
75 100

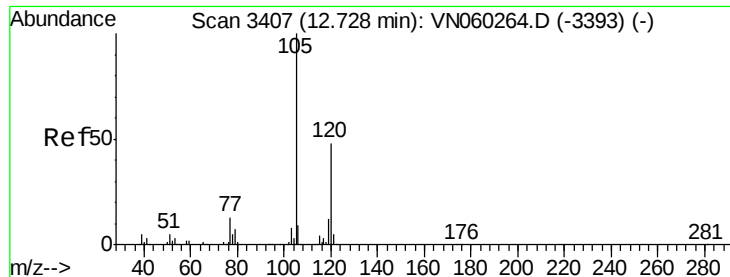
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.414 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060348.D

Acq: 4 Mar 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

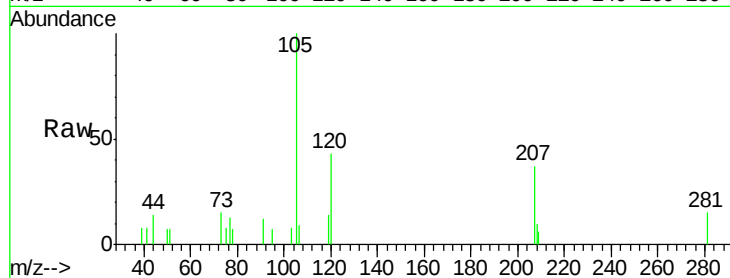
PB127249ZHE#17

Tgt Ion:105 Resp: 3545

Ion Ratio Lower Upper

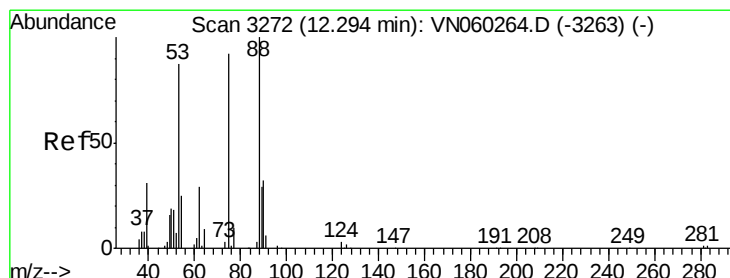
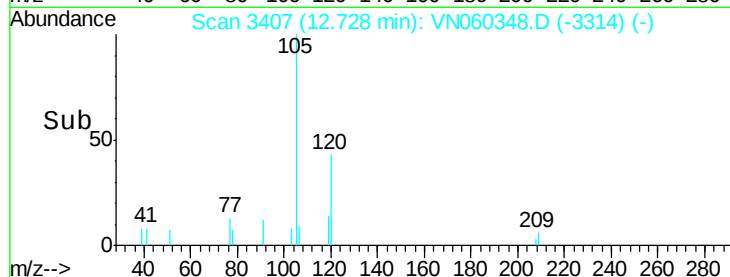
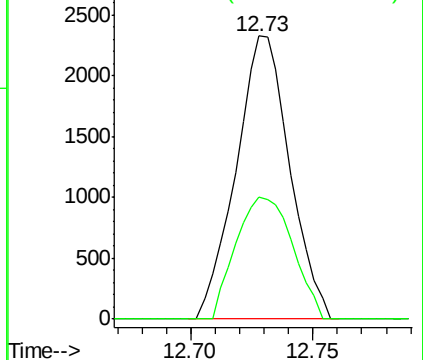
105 100

120 45.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 67.291 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060348.D

Acq: 4 Mar 2020 15:04

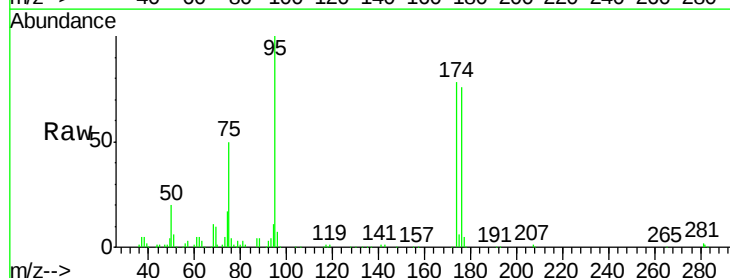
Tgt Ion: 75 Resp: 73325

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

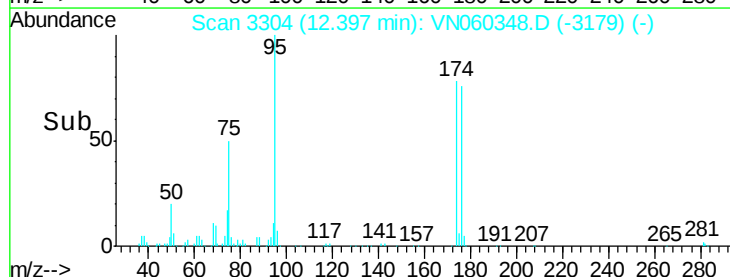
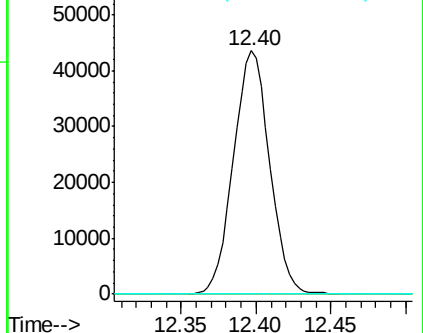
89 0.0 57.1 85.7#

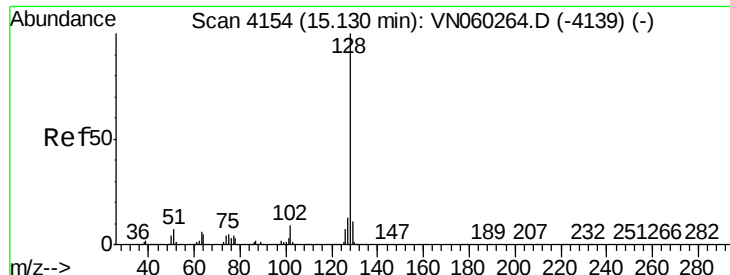


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060348.D

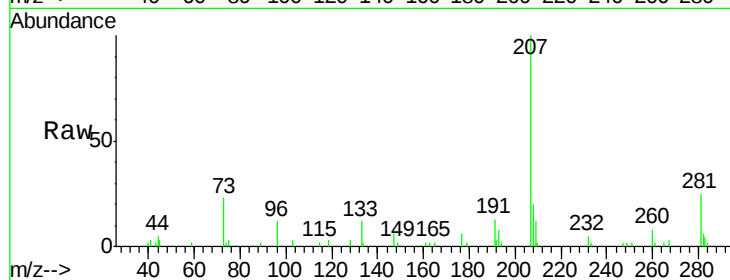
Acq: 4 Mar 2020 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB127249ZHE#17



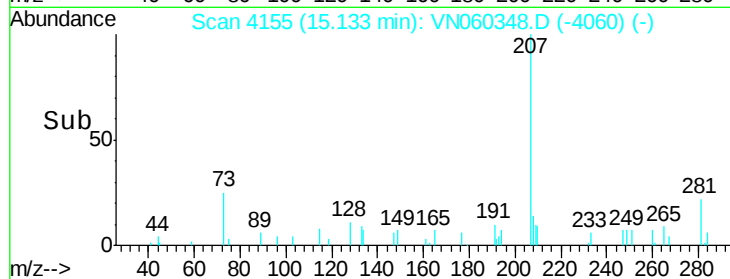
Tgt Ion:128 Resp: 329

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

