

Data File : VN060460.D
Acq On : 11 Mar 2020 18:58
Operator : JC/MD
Sample : PB127431ZHE#02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB127431ZHE#02

Quant Time: Mar 12 03:42:22 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	195807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143298	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	127353	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.56	113	96853	64.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.98%	
50) Toluene-d8	10.08	98	399189	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.40	95	149947	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds				Qvalue		
16) Acetone	3.78	43	6938	8.552	ug/l	98
18) Methyl Acetate	4.30	43	1595	0.589	ug/l #	56
20) Methylene Chloride	4.52	84	7526	3.378	ug/l	95
31) Cyclohexane	7.64	56	4180	Below Cal	#	7
36) 1,1-Dichloropropene	7.64	75	15155	4.915	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18642	6.210	ug/l #	16
43) Isopropyl Acetate	8.14	43	56274	11.010	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1042	0.444	ug/l #	44
48) Methyl methacrylate	9.16	41	2710	1.163	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4342	1.498	ug/l	88
54) cis-1,3-Dichloropropene	9.89	75	24229	6.163	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	4005	1.083	ug/l #	42
59) 2-Hexanone	10.75	43	58541	27.513	ug/l #	52
74) N-amyl acetate	12.02	43	2987	0.644	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	76372	24.292	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.72	105	2395	0.268	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	76372	67.056	ug/l #	8

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

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Misc : 5.00mL/MSVOA_N/WATER

ALS Vial : 27 Sample Multiplier: 1

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PB127431ZHE#02

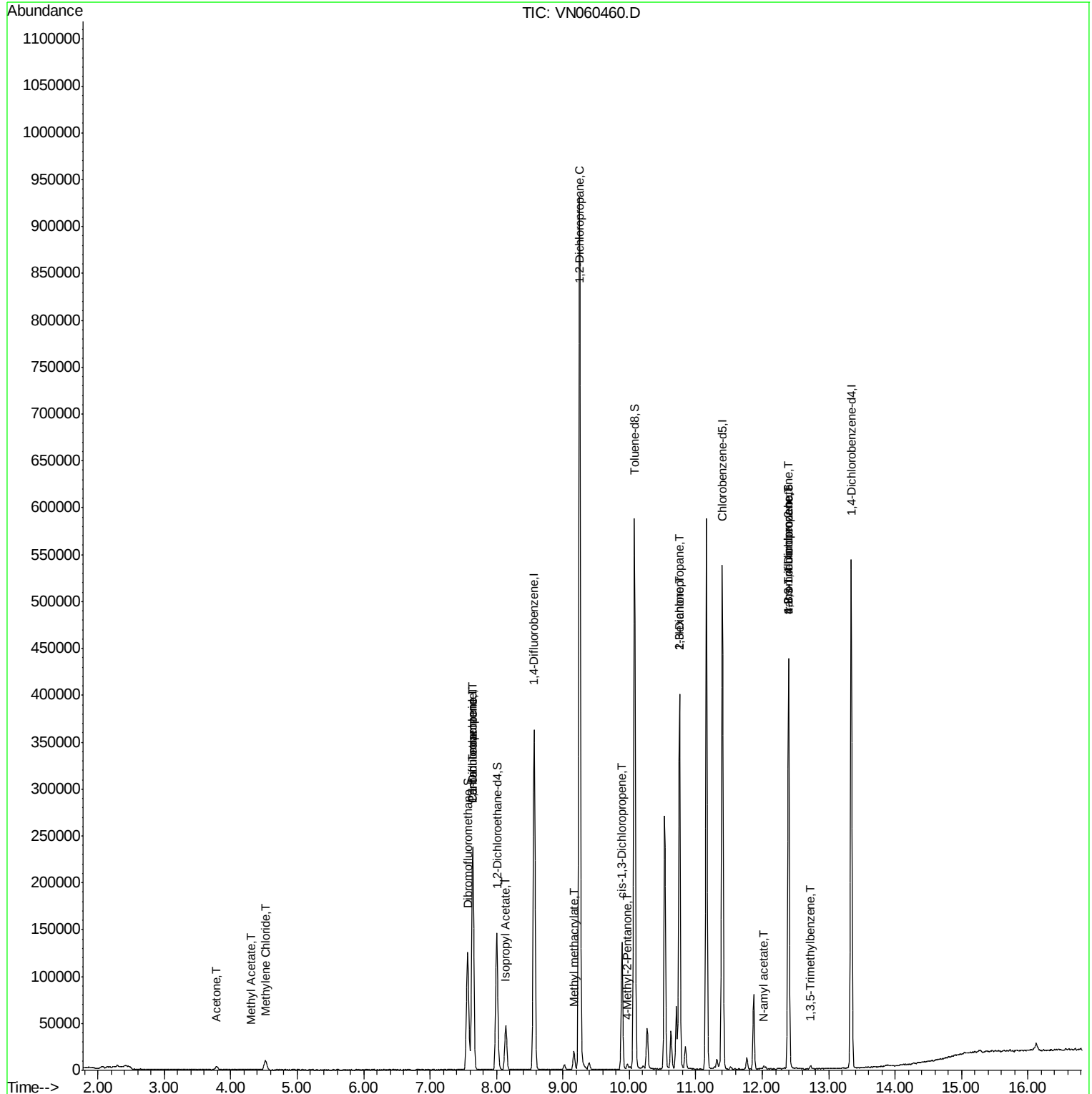
Quant Time: Mar 12 03:42:22 2020

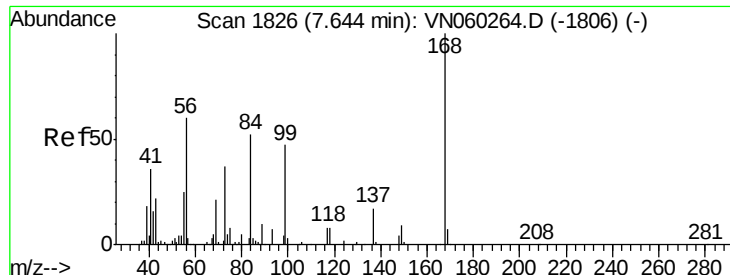
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M

Quant Title : SW846 8260

QLast Update : Thu Feb 27 13:52:50 2020

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060460.D

Acq: 11 Mar 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

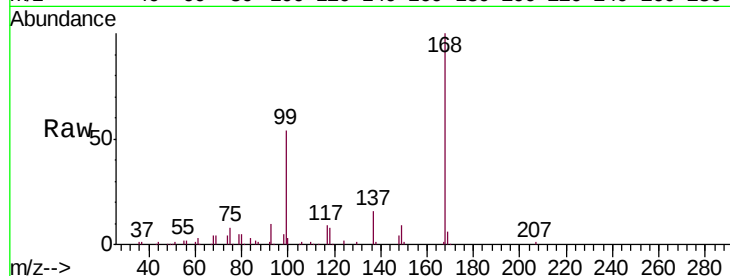
PB127431ZHE#02

Tgt Ion:168 Resp: 195807

Ion Ratio Lower Upper

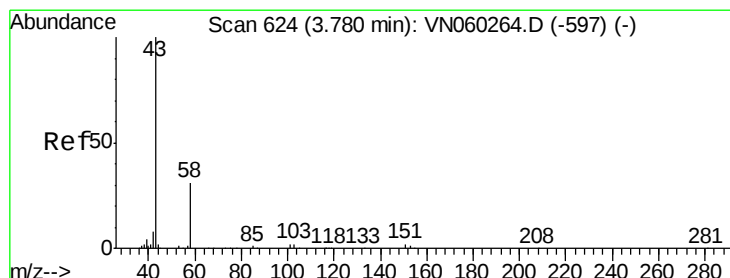
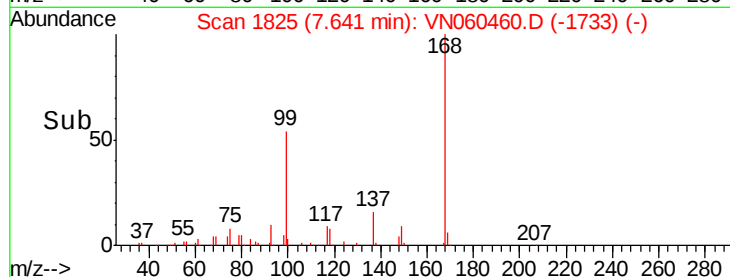
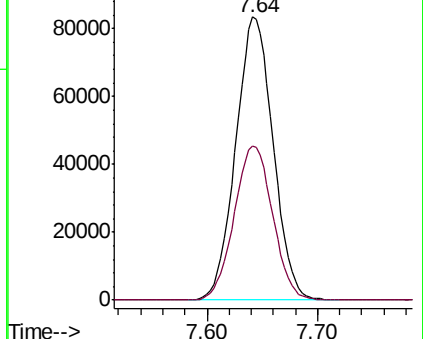
168 100

99 54.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 8.552 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060460.D

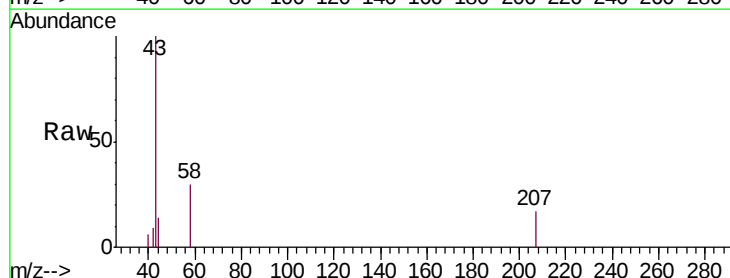
Acq: 11 Mar 2020 18:58

Tgt Ion: 43 Resp: 6938

Ion Ratio Lower Upper

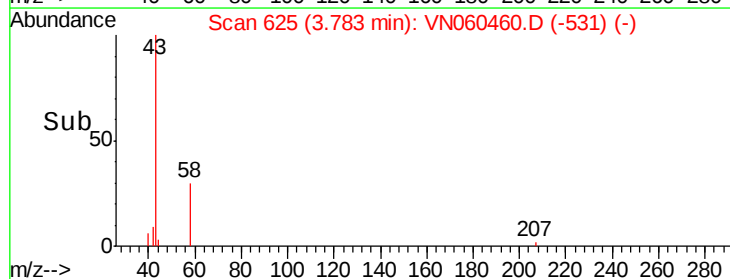
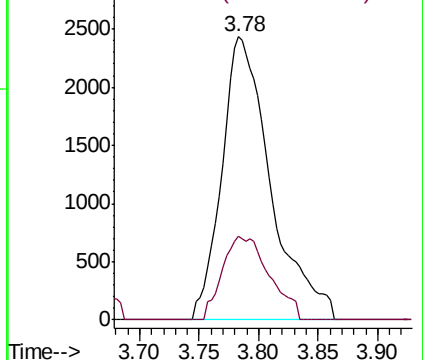
43 100

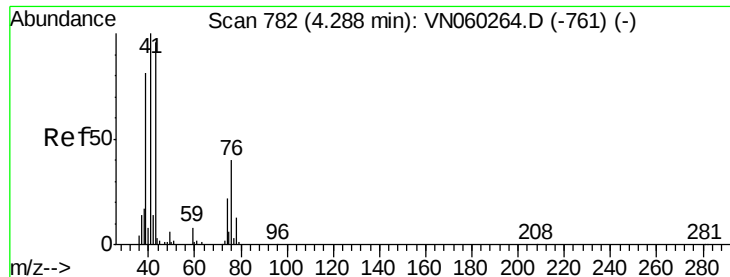
58 29.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

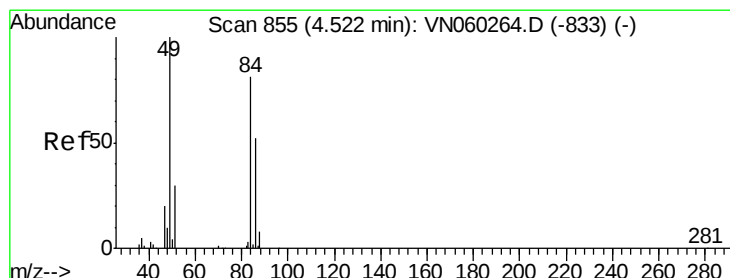
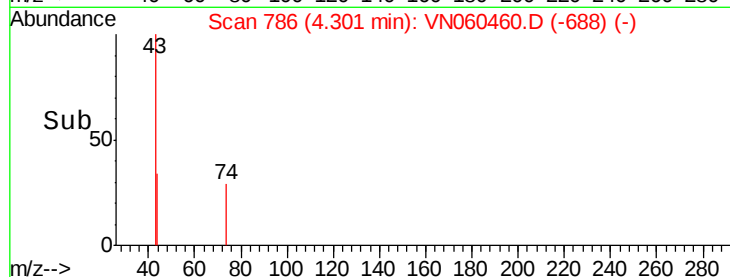
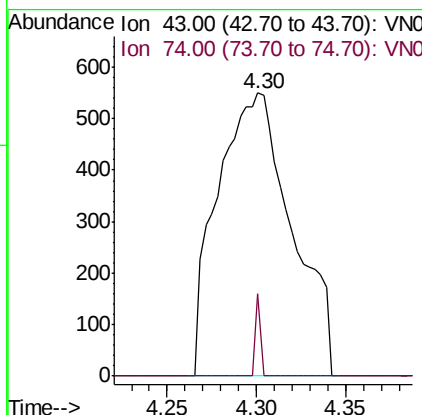
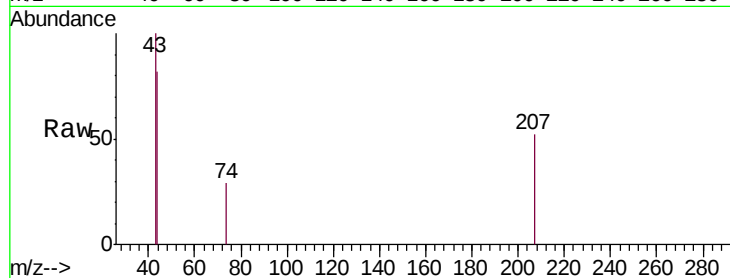




#18
Methyl Acetate
Concen: 0.589 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060460.D
Acq: 11 Mar 2020 18:58

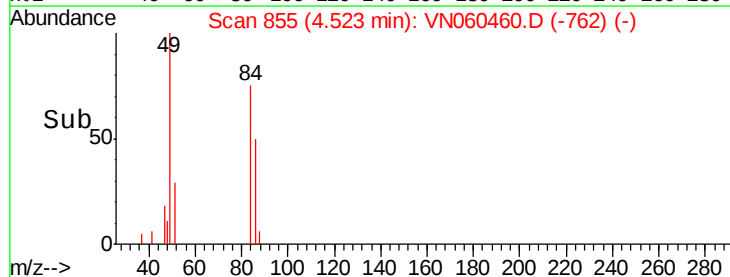
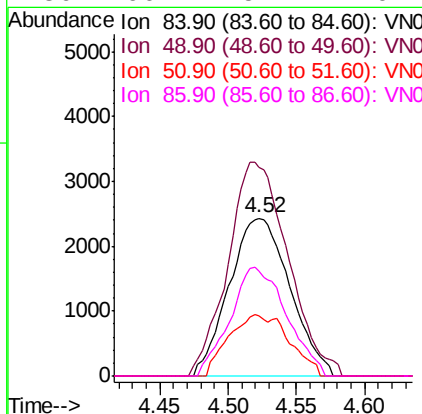
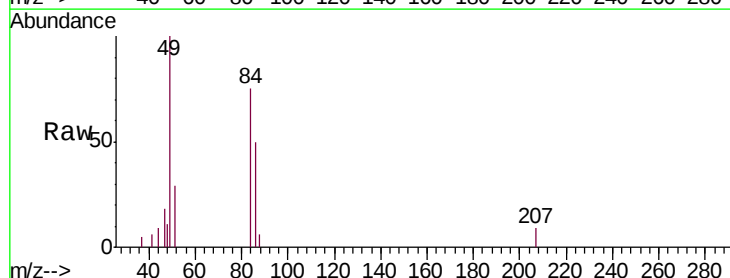
Instrument :
MSVOA_N
ClientSampleId :
PB127431ZHE#02

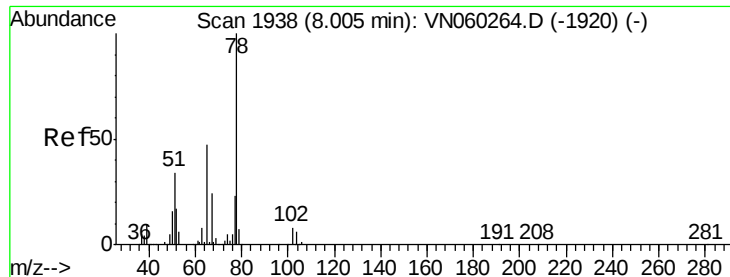
Tgt Ion: 43 Resp: 1595
Ion Ratio Lower Upper
43 100
74 1.9 18.8 28.2#



#20
Methylene Chloride
Concen: 3.378 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060460.D
Acq: 11 Mar 2020 18:58

Tgt Ion: 84 Resp: 7526
Ion Ratio Lower Upper
84 100
49 132.6 99.3 148.9
51 38.1 30.1 45.1
86 66.4 51.1 76.7

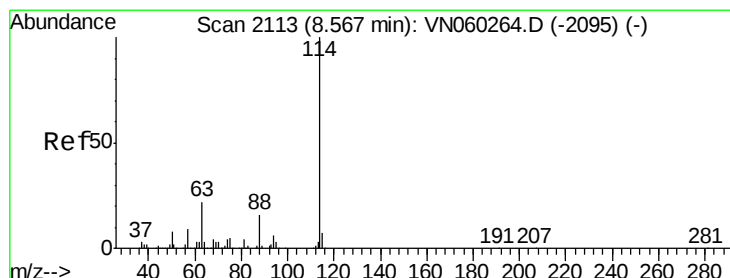
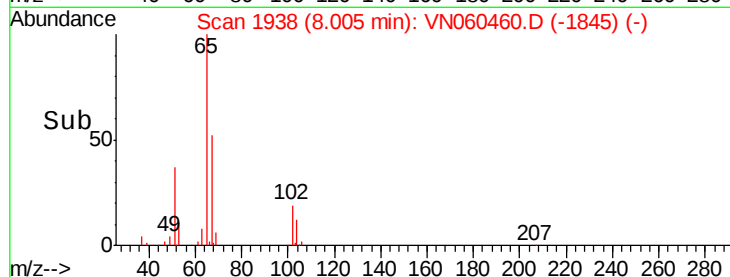
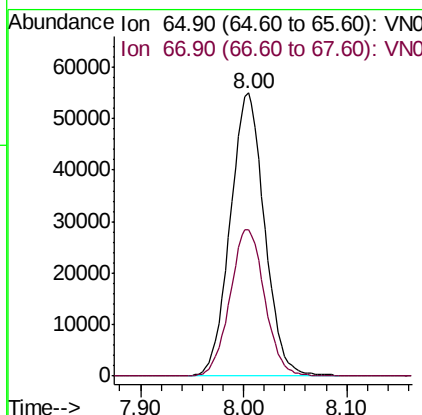
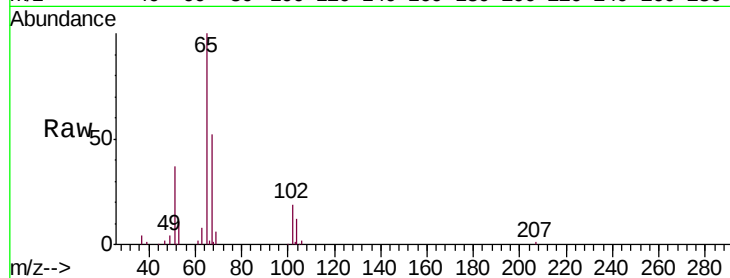




#33
 1,2-Dichloroethane-d4
 Concen: 50.693 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060460.D
 Acq: 11 Mar 2020 18:58

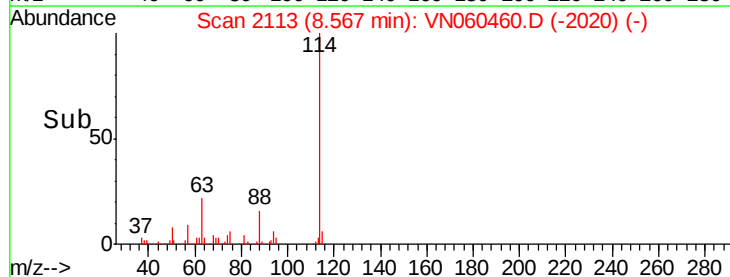
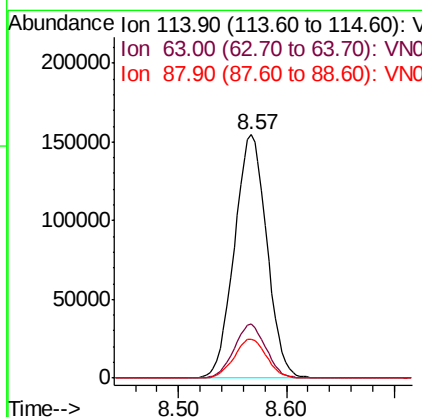
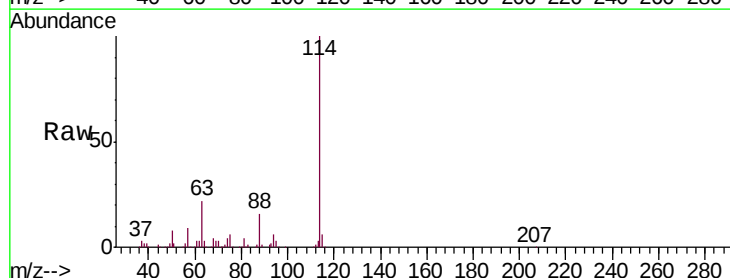
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127431ZHE#02

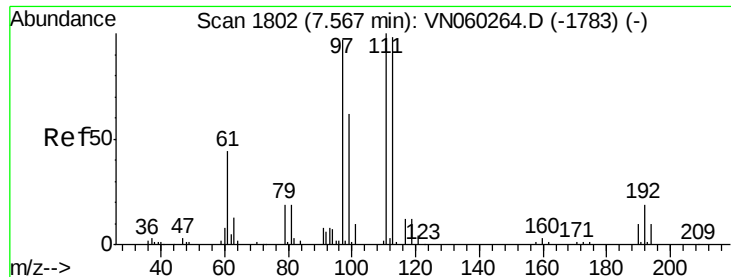
Tgt Ion: 65 Resp: 127353
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060460.D
 Acq: 11 Mar 2020 18:58

Tgt Ion: 114 Resp: 323530
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.0 0.0 31.6

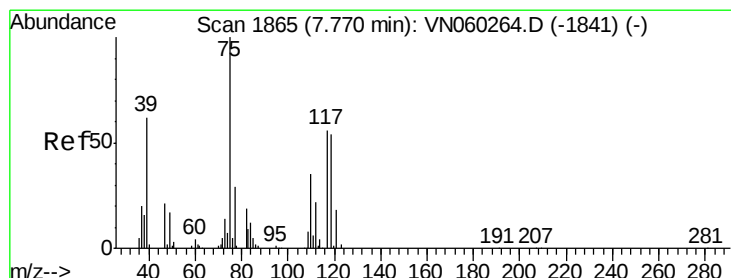
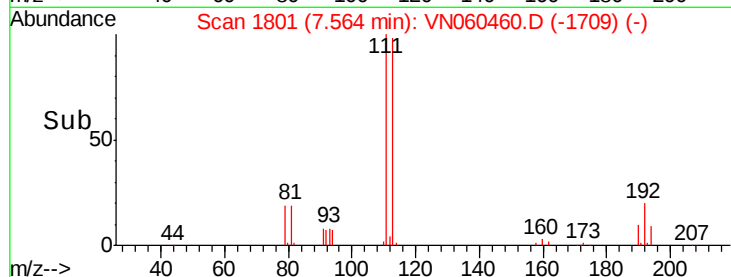
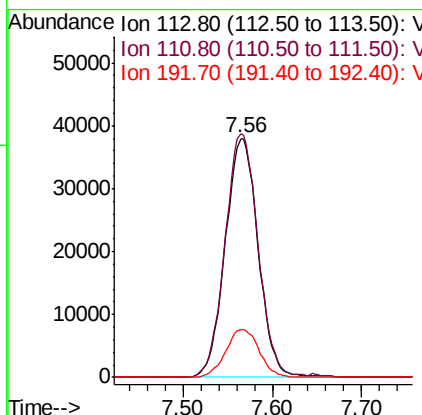
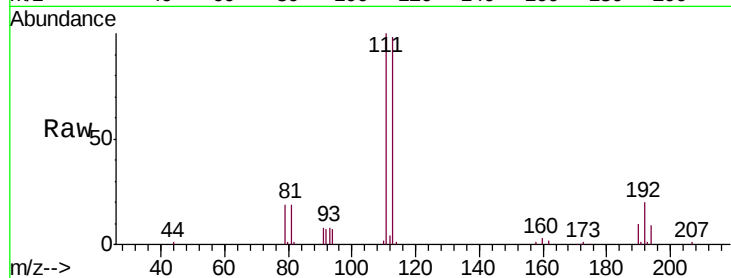




#35
 Dibromofluoromethane
 Concen: 64.495 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060460.D
 Acq: 11 Mar 2020 18:58

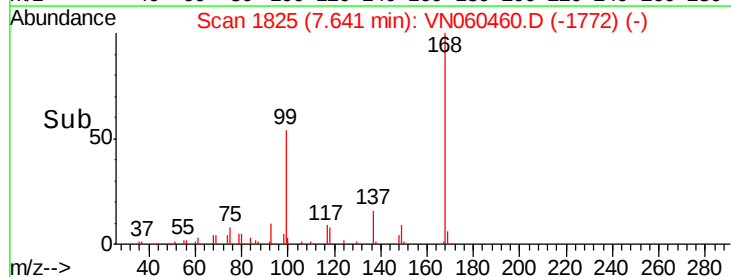
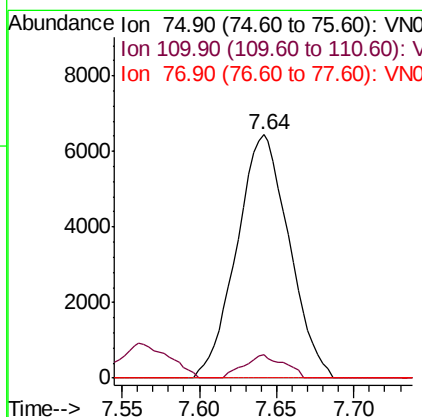
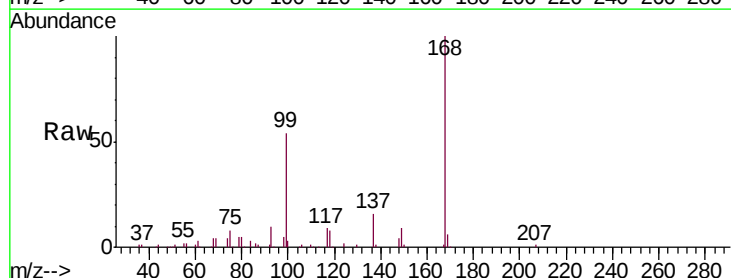
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127431ZHE#02

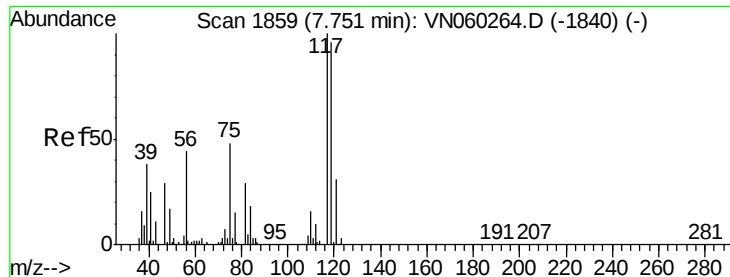
Tgt Ion:113 Resp: 96853
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 20.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.915 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060460.D
 Acq: 11 Mar 2020 18:58

Tgt Ion: 75 Resp: 15155
 Ion Ratio Lower Upper
 75 100
 110 7.2 17.3 52.0#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.210 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060460.D

Acq: 11 Mar 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

PB127431ZHE#02

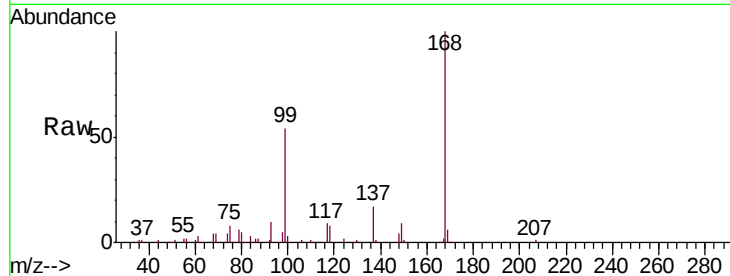
Tgt Ion:117 Resp: 18642

Ion Ratio Lower Upper

117 100

119 5.0 76.7 115.1#

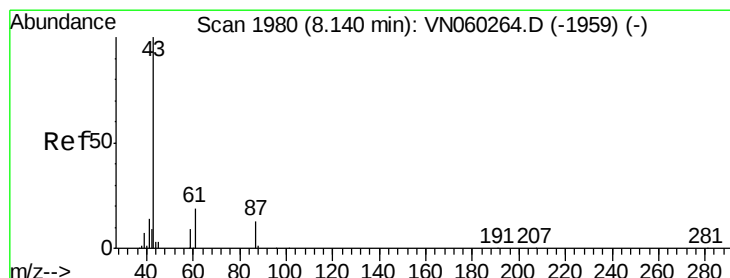
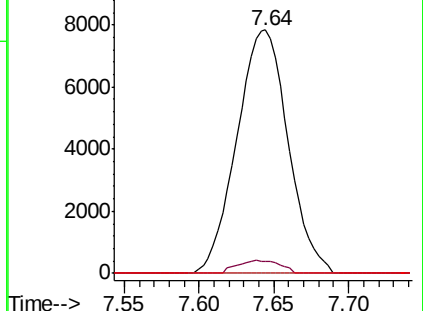
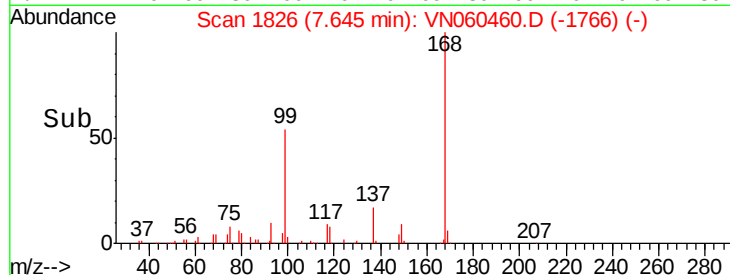
121 0.0 24.5 36.7#



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: 11.010 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060460.D

Acq: 11 Mar 2020 18:58

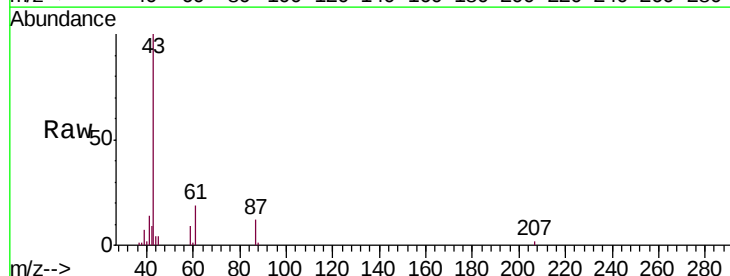
Tgt Ion: 43 Resp: 56274

Ion Ratio Lower Upper

43 100

61 19.8 20.9 31.3#

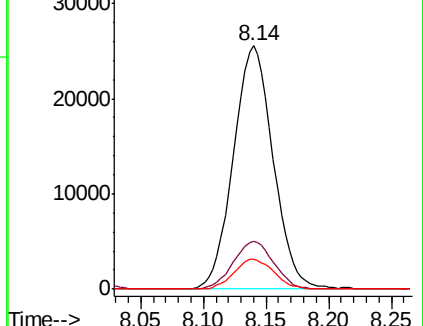
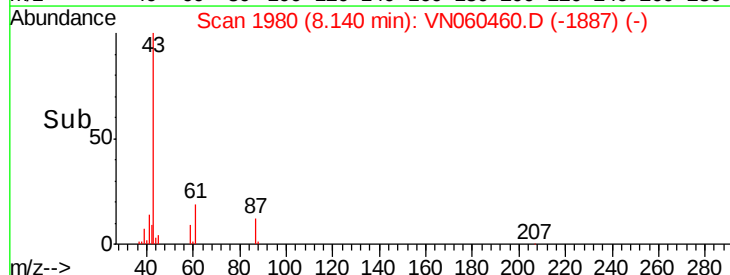
87 12.2 10.6 16.0

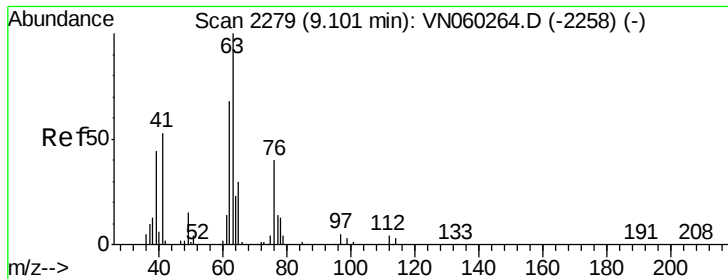


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.444 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060460.D

Acq: 11 Mar 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

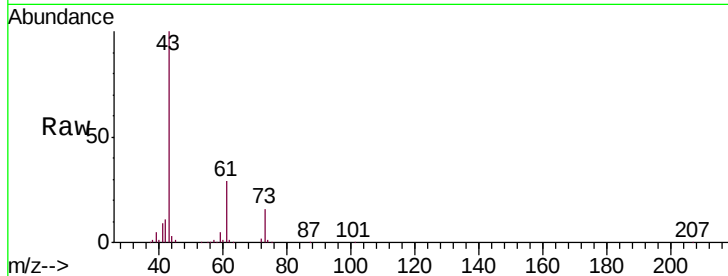
PB127431ZHE#02

Tgt Ion: 63 Resp: 1042

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC

9.25

600

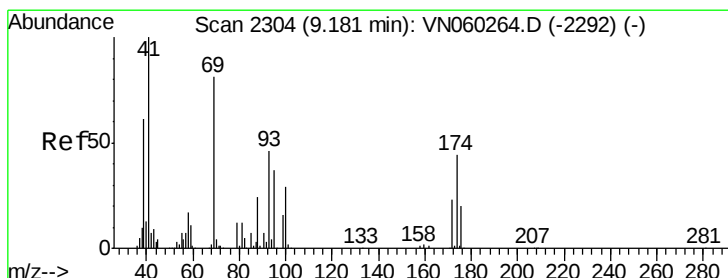
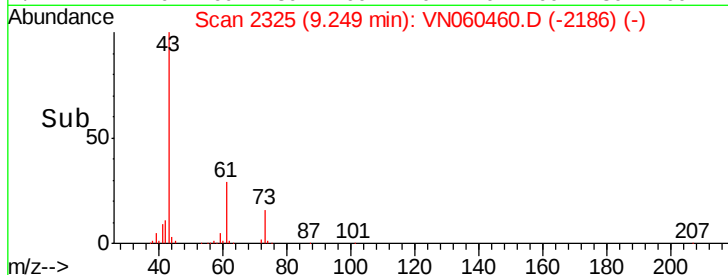
400

200

0

9.20 9.22 9.24 9.26 9.28

Time-->



#48

Methyl methacrylate

Concen: 1.163 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060460.D

Acq: 11 Mar 2020 18:58

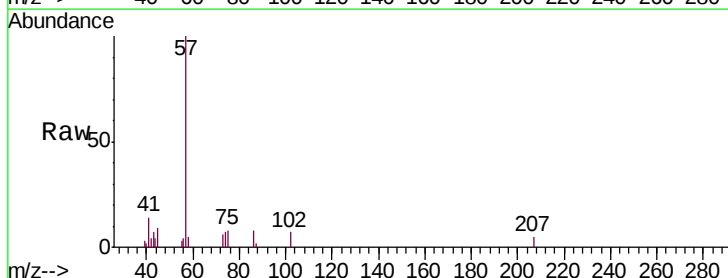
Tgt Ion: 41 Resp: 2710

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

39 0.0 50.1 75.1#



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

50000

40000

30000

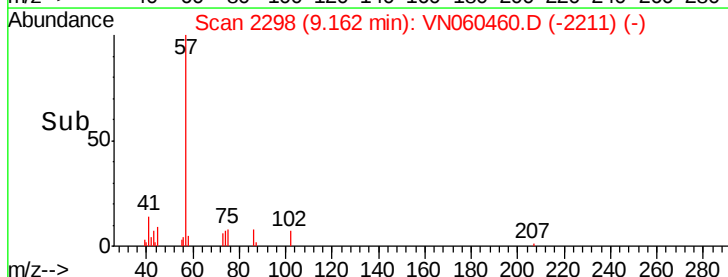
20000

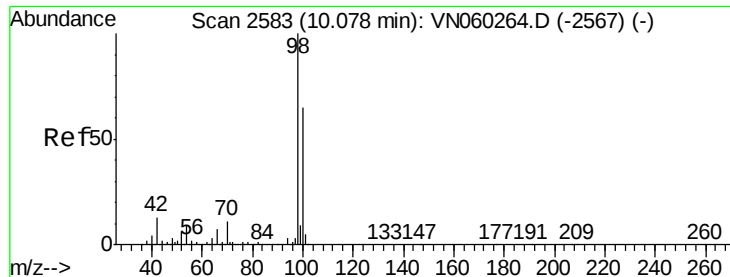
10000

0

9.10 9.15 9.20

Time-->





#50

Toluene-d8

Concen: 52.522 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060460.D

Acq: 11 Mar 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

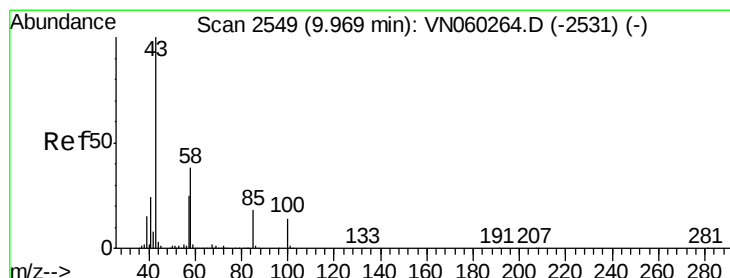
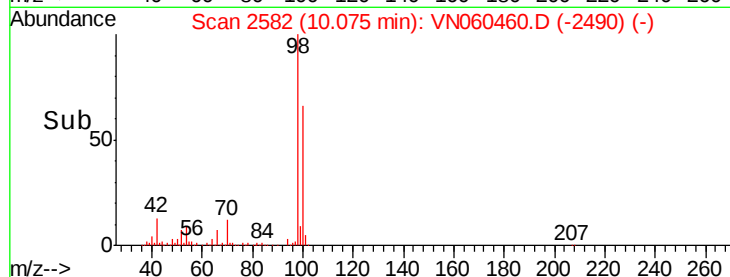
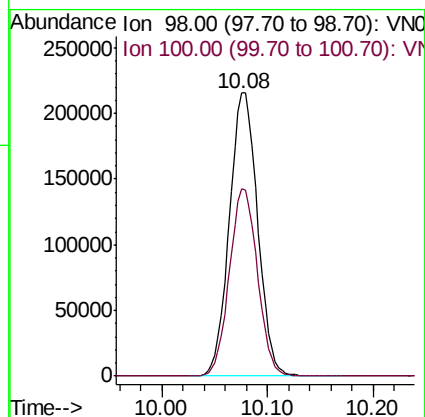
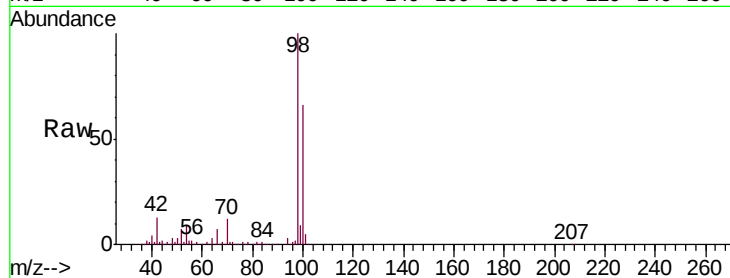
PB127431ZHE#02

Tgt Ion: 98 Resp: 399189

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.498 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060460.D

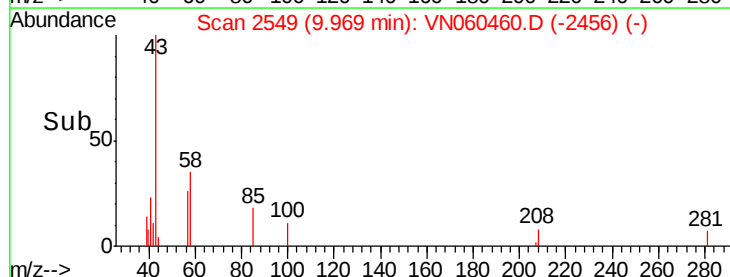
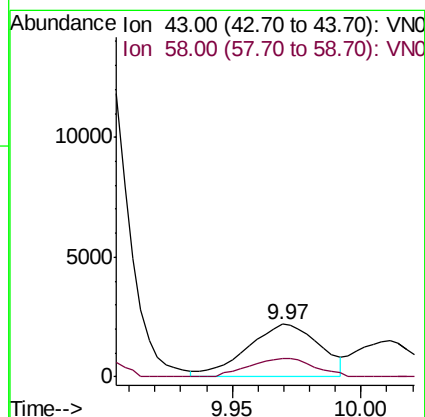
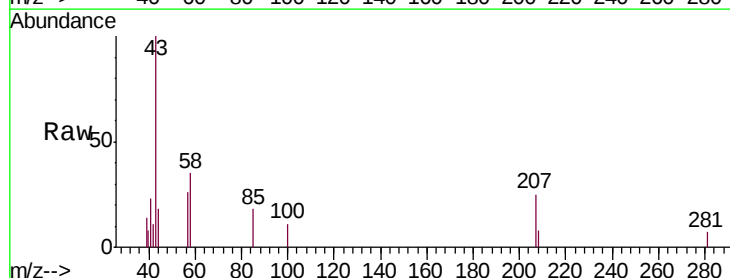
Acq: 11 Mar 2020 18:58

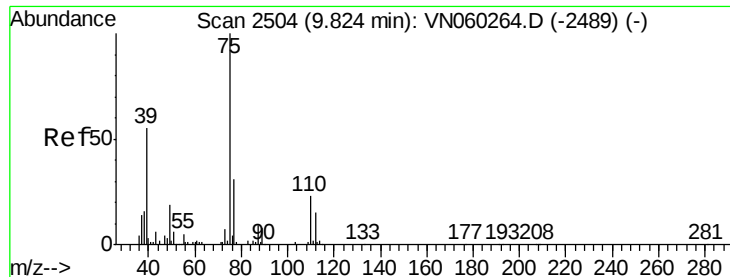
Tgt Ion: 43 Resp: 4342

Ion Ratio Lower Upper

43 100

58 31.1 30.9 46.3





#54

cis-1,3-Dichloropropene

Concen: 6.163 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060460.D

Acq: 11 Mar 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

PB127431ZHE#02

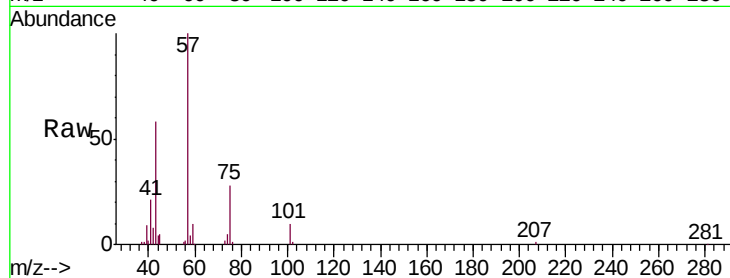
Tgt Ion: 75 Resp: 24229

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

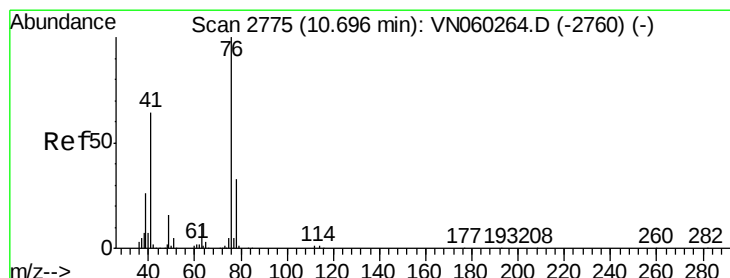
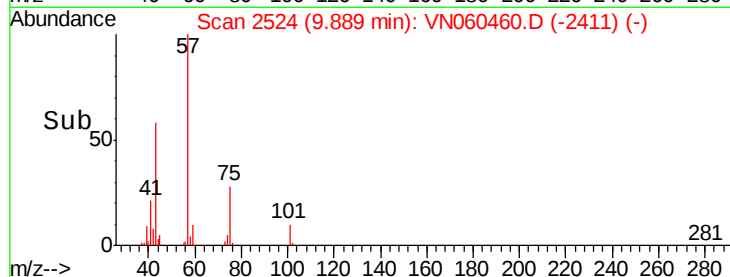
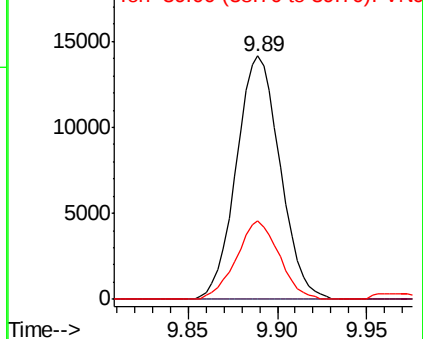
39 32.0 43.8 65.8#



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: 1.083 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060460.D

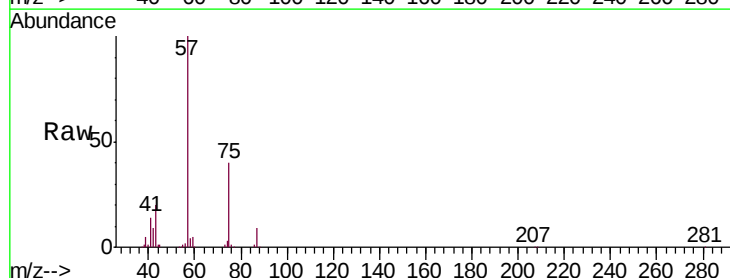
Acq: 11 Mar 2020 18:58

Tgt Ion: 76 Resp: 4005

Ion Ratio Lower Upper

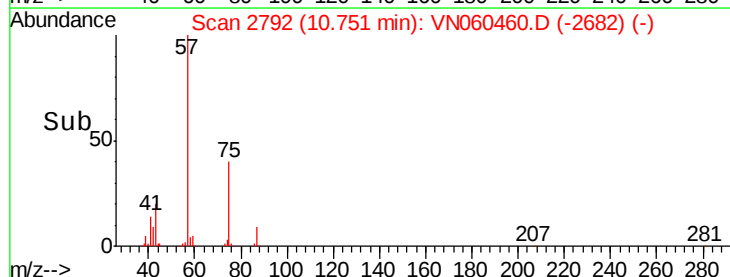
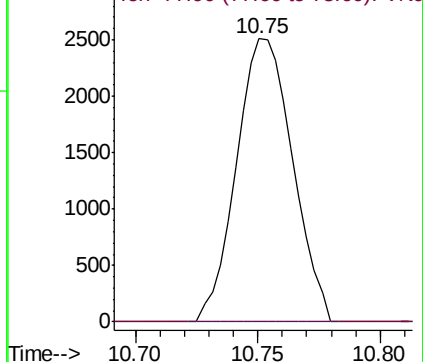
76 100

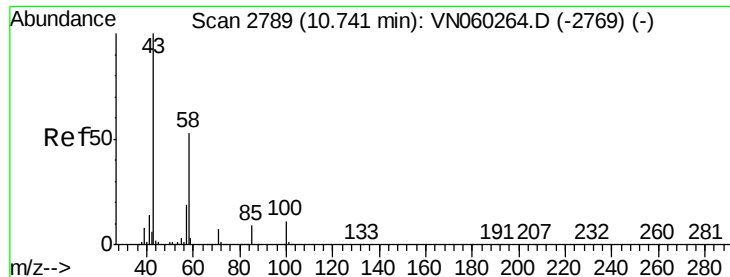
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

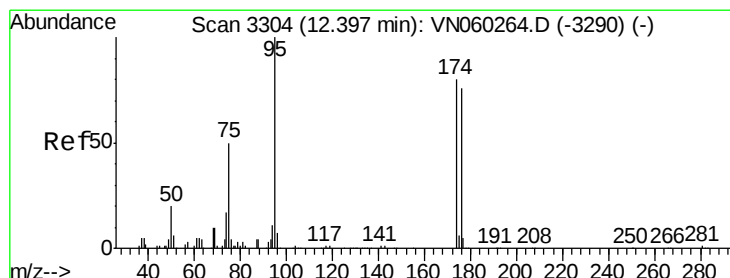
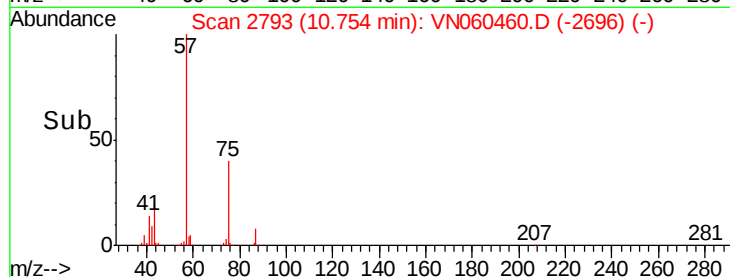
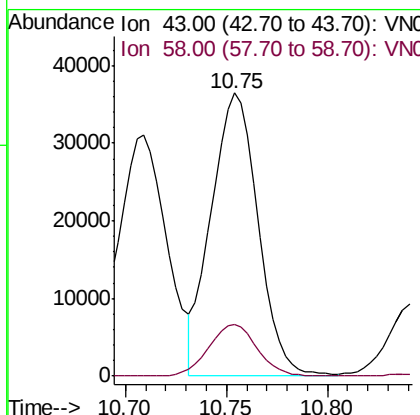
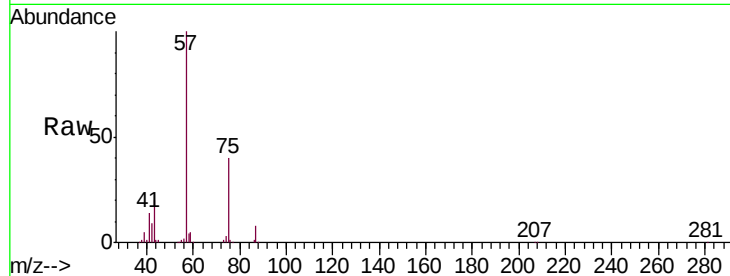




#59
2-Hexanone
Concen: 27.513 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060460.D
Acq: 11 Mar 2020 18:58

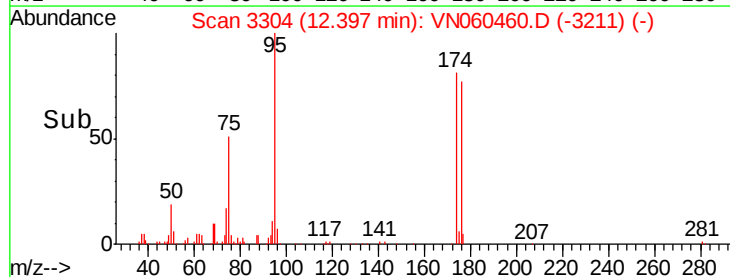
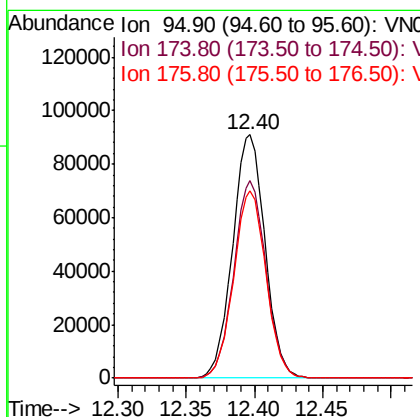
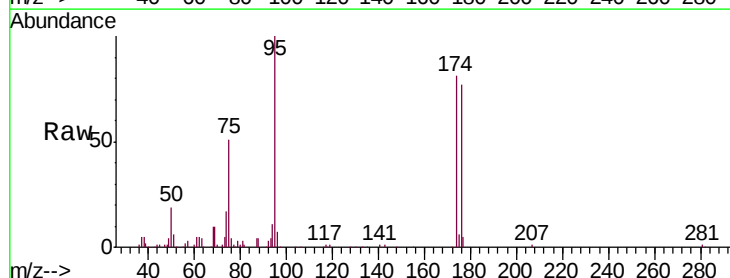
Instrument :
MSVOA_N
ClientSampleId :
PB127431ZHE#02

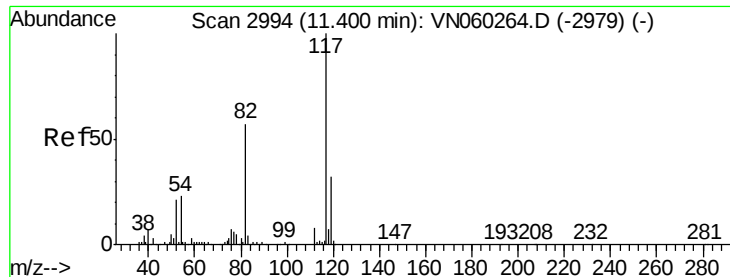
Tgt Ion: 43 Resp: 58541
Ion Ratio Lower Upper
43 100
58 18.8 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 52.045 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060460.D
Acq: 11 Mar 2020 18:58

Tgt Ion: 95 Resp: 149947
Ion Ratio Lower Upper
95 100
174 80.4 0.0 159.2
176 76.7 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: VN060460.D

Acq: 11 Mar 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

PB127431ZHE#02

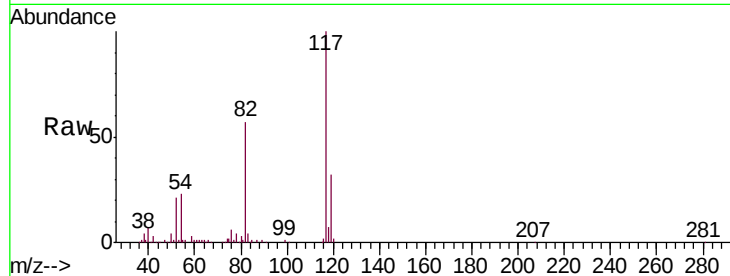
Tgt Ion:117 Resp: 306467

Ion Ratio Lower Upper

117 100

82 57.4 45.8 68.6

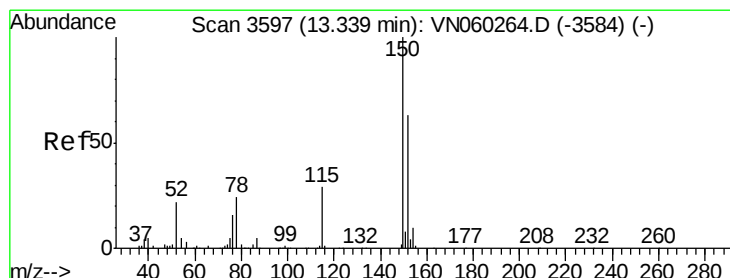
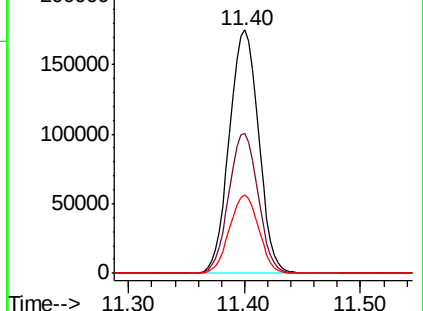
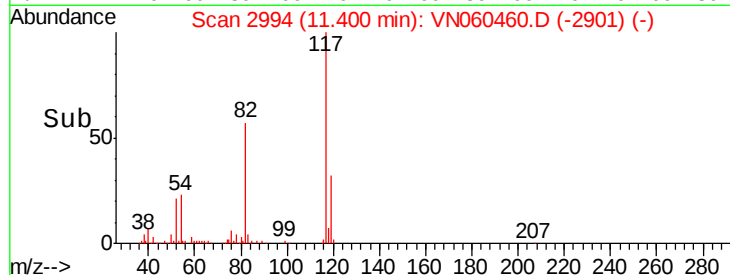
119 32.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

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: VN060460.D

Acq: 11 Mar 2020 18:58

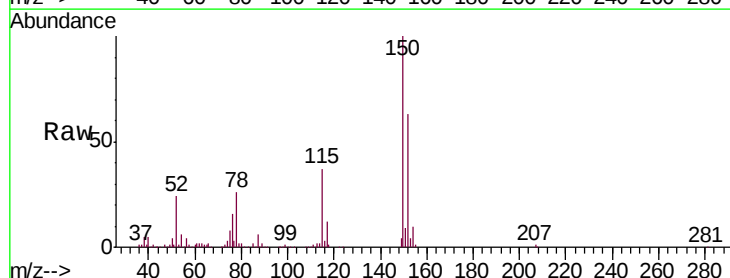
Tgt Ion:152 Resp: 143298

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

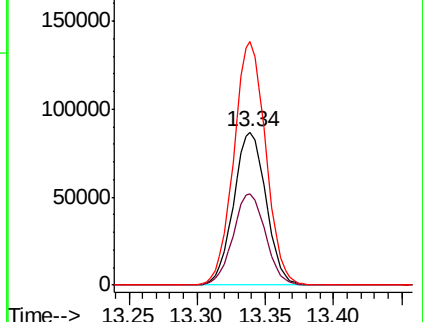
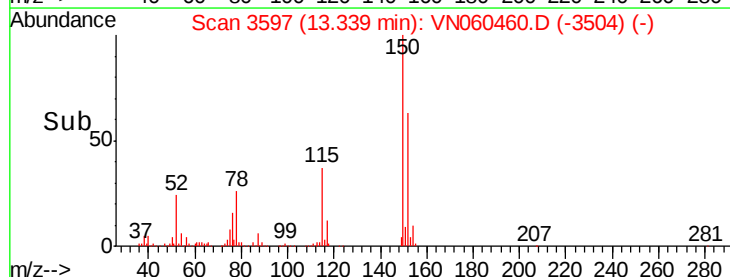
150 157.2 0.0 349.6

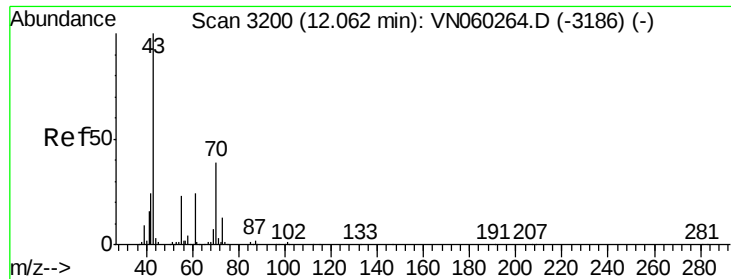


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.644 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060460.D

Acq: 11 Mar 2020 18:58

Instrument :

MSVOA_N

ClientSampleId :

PB127431ZHE#02

Tgt Ion: 43 Resp: 2987

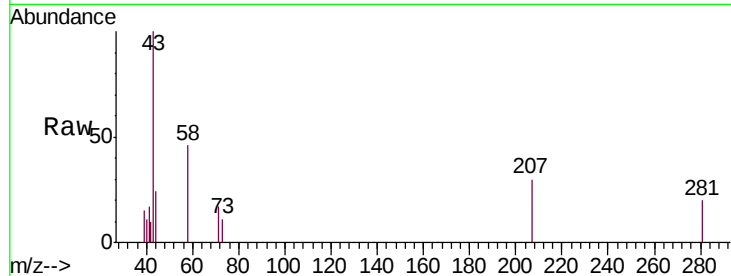
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

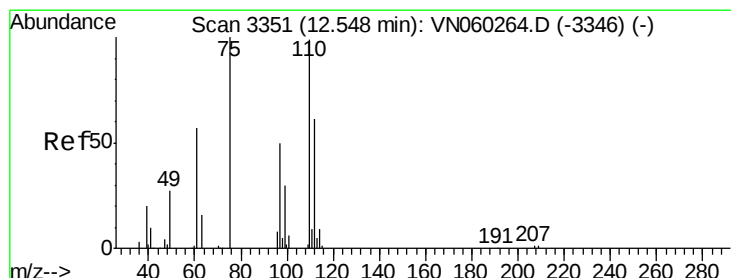
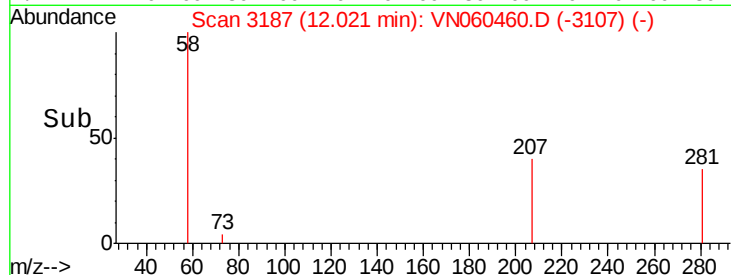
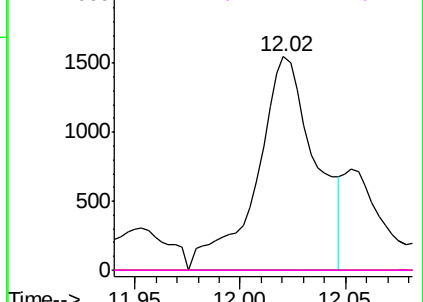


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.292 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060460.D

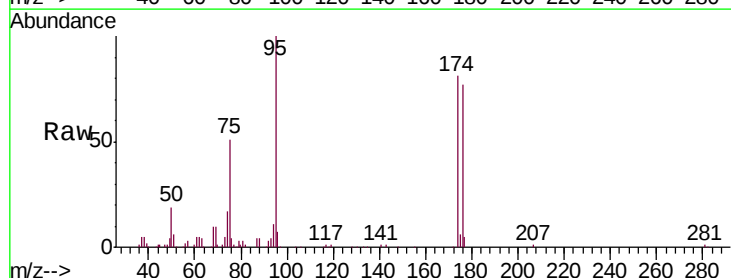
Acq: 11 Mar 2020 18:58

Tgt Ion: 75 Resp: 76372

Ion Ratio Lower Upper

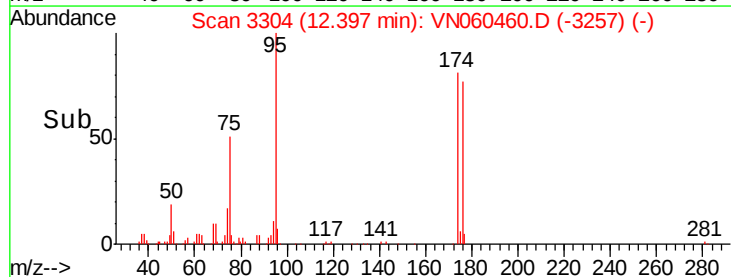
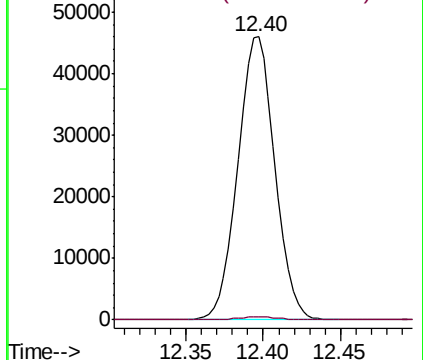
75 100

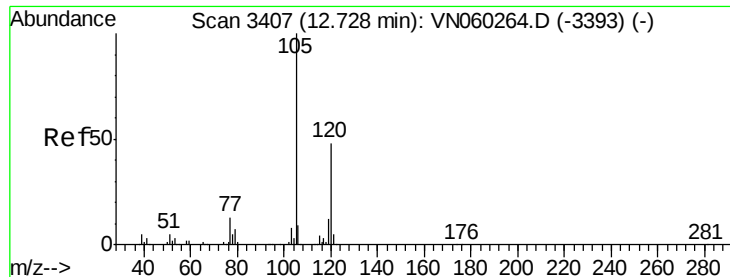
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

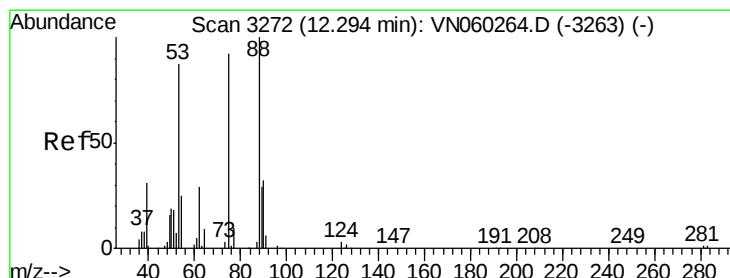
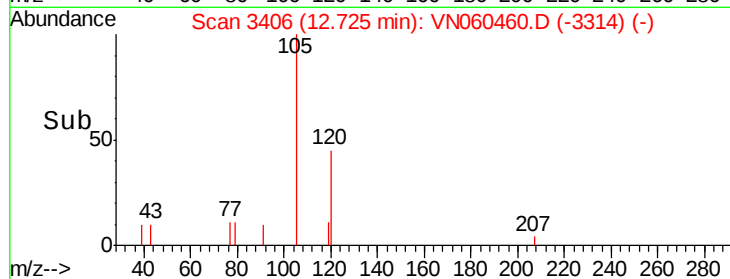
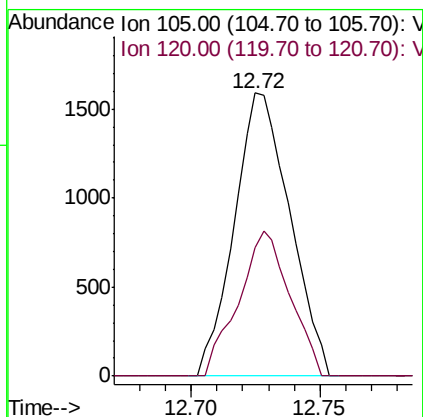
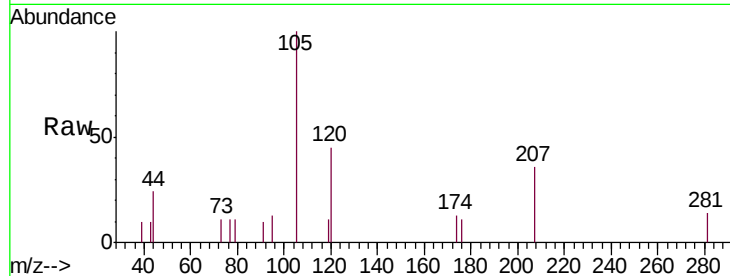




#80
 1,3,5-Trimethylbenzene
 Concen: 0.268 ug/l
 RT: 12.72 min Scan# 3406
 Delta R.T. -0.00 min
 Lab File: VN060460.D
 Acq: 11 Mar 2020 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127431ZHE#02

Tgt Ion: 105 Resp: 2395
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.056 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060460.D
 Acq: 11 Mar 2020 18:58

Tgt Ion: 75 Resp: 76372
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#

