

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
 Data File : VN060351.D
 Acq On : 4 Mar 2020 16:12
 Operator : JC/MD
 Sample : L1759-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-030320

Quant Time: Mar 05 05:11:36 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	192837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	314363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140964	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	125239	50.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.24%	
35) Dibromofluoromethane	7.57	113	86108	59.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.02%	
50) Toluene-d8	10.08	98	387917	52.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.40	95	146111	52.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.38%	

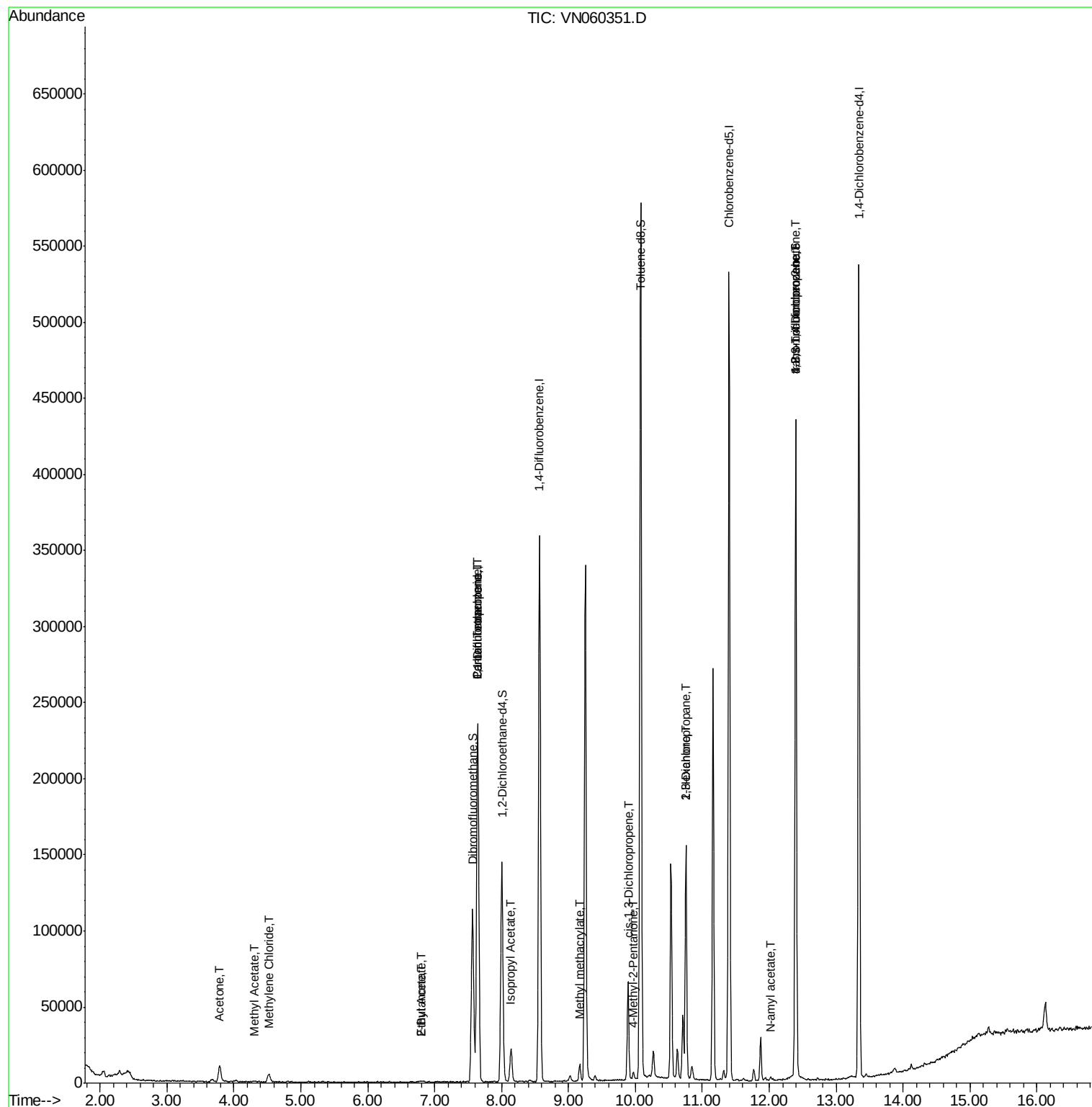
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	18809	23.542	ug/l	99
18) Methyl Acetate	4.30	43	738	0.277	ug/l #	52
20) Methylene Chloride	4.52	84	4134	1.884	ug/l	98
25) 2-Butanone	6.81	43	668	0.518	ug/l #	49
31) Cyclohexane	7.64	56	4120	Below Cal	#	5
36) 1,1-Dichloropropene	7.64	75	15056	5.025	ug/l #	49
37) Ethyl Acetate	6.81	43	668	0.235	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18051	6.188	ug/l #	16
43) Isopropyl Acetate	8.14	43	26129	5.261	ug/l #	90
48) Methyl methacrylate	9.17	41	1815	0.801	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3057	1.086	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	11776	3.083	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	1477	0.411	ug/l #	42
59) 2-Hexanone	10.75	43	22475	10.871	ug/l #	54
74) N-amyl acetate	12.02	43	1995	0.437	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	75873	24.532	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75873	67.721	ug/l #	8

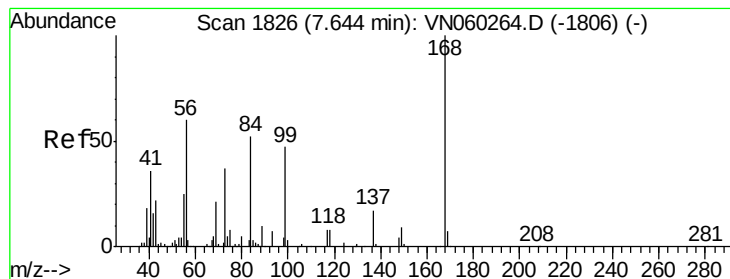
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
Data File : VN060351.D
Acq On : 4 Mar 2020 16:12
Operator : JC/MD
Sample : L1759-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OR-02-030320

Quant Time: Mar 05 05:11:36 2020
Quant Method : Z:\V0ASRV\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# 1826

Delta R.T. 0.00 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

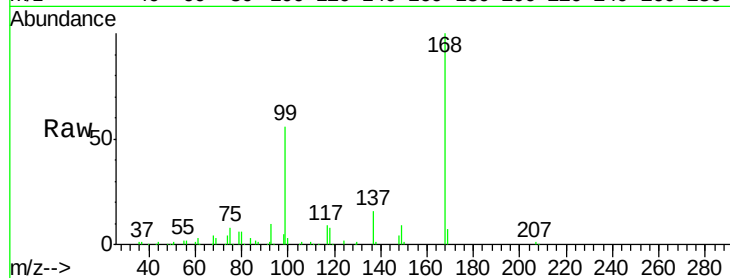
OR-02-030320

Tgt Ion:168 Resp: 192837

Ion Ratio Lower Upper

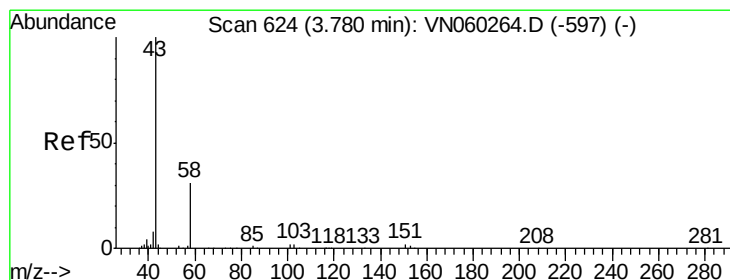
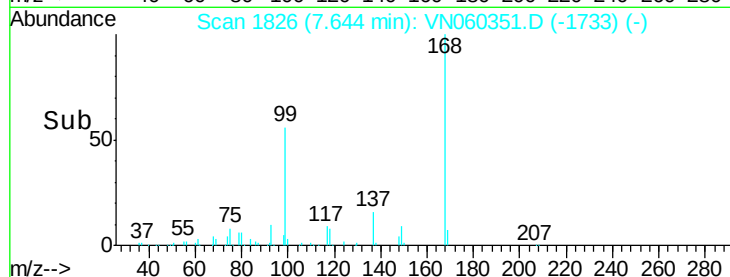
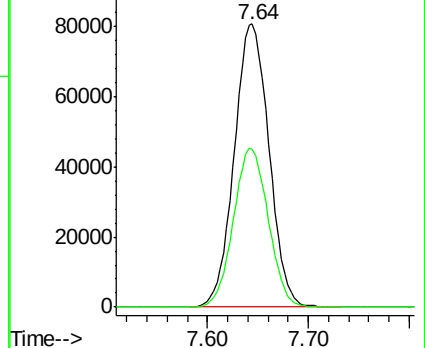
168 100

99 55.8 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: 23.542 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060351.D

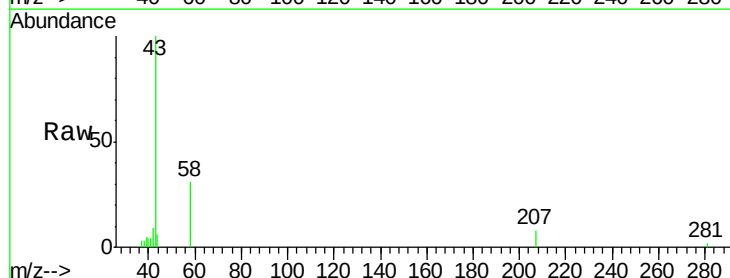
Acq: 4 Mar 2020 16:12

Tgt Ion: 43 Resp: 18809

Ion Ratio Lower Upper

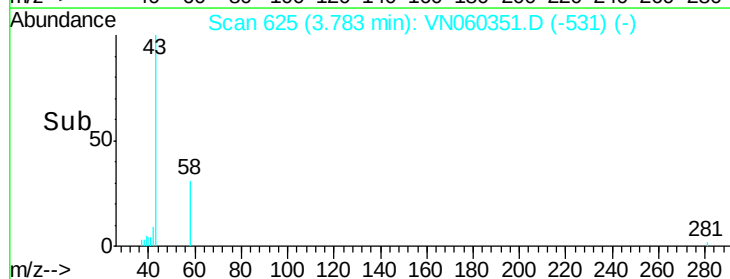
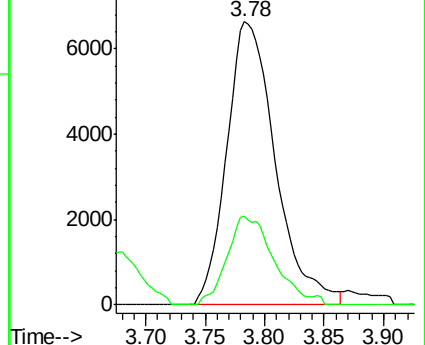
43 100

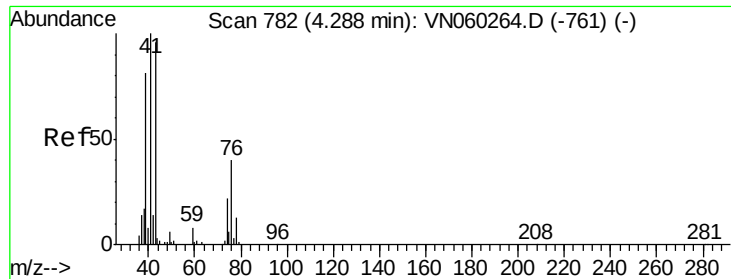
58 31.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

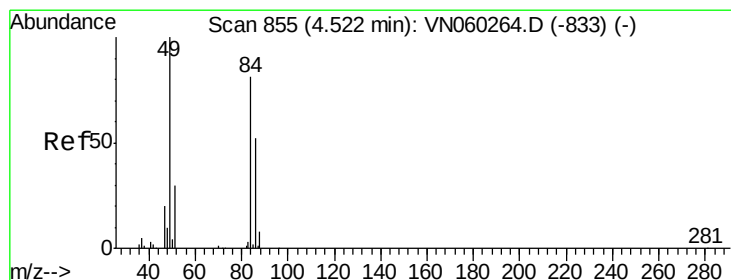
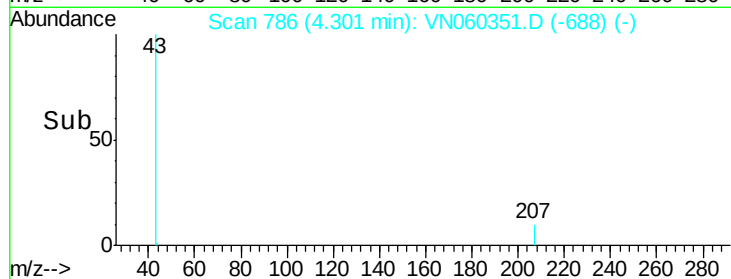
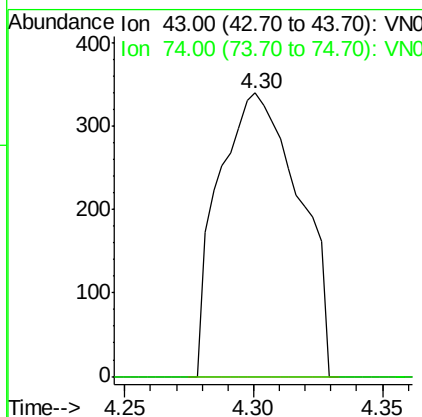
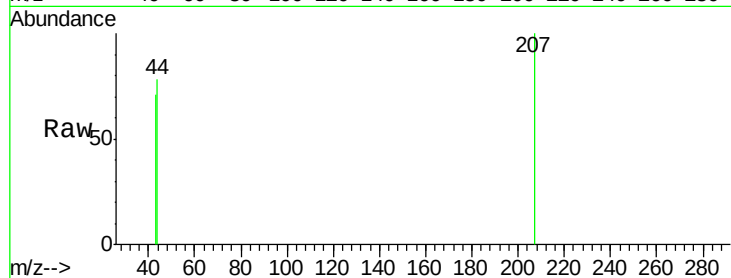




#18
Methyl Acetate
Concen: 0.277 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060351.D
Acq: 4 Mar 2020 16:12

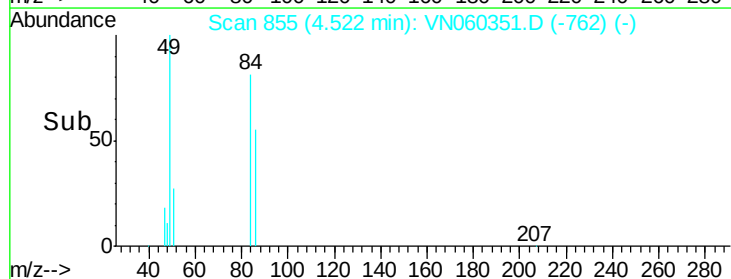
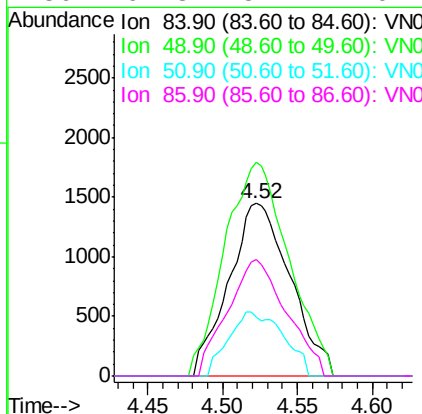
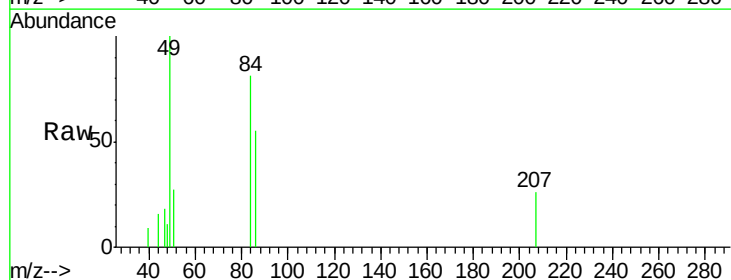
Instrument :
MSVOA_N
ClientSampleId :
OR-02-030320

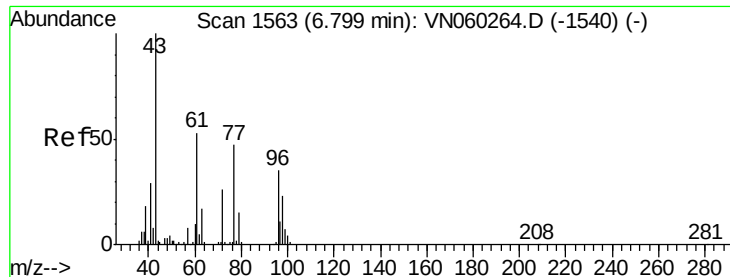
Tgt Ion: 43 Resp: 738
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 1.884 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060351.D
Acq: 4 Mar 2020 16:12

Tgt Ion: 84 Resp: 4134
Ion Ratio Lower Upper
84 100
49 124.0 99.3 148.9
51 33.8 30.1 45.1
86 67.8 51.1 76.7





#25

2-Butanone

Concen: 0.518 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

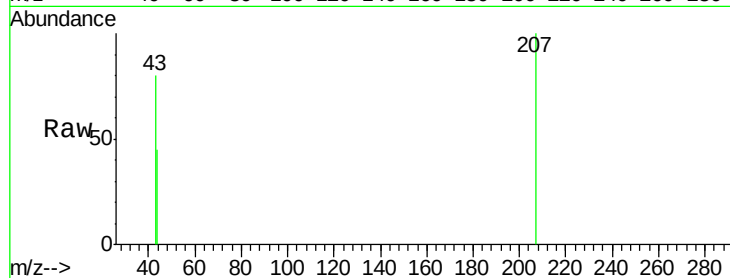
OR-02-030320

Tgt Ion: 43 Resp: 668

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

400

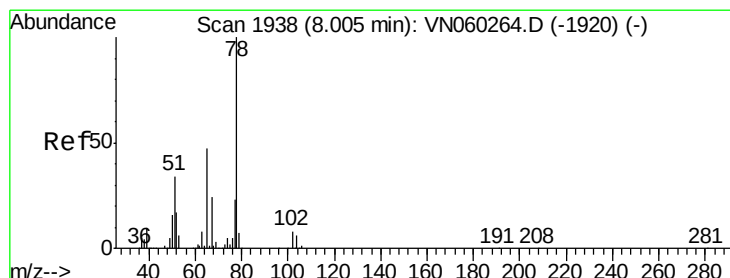
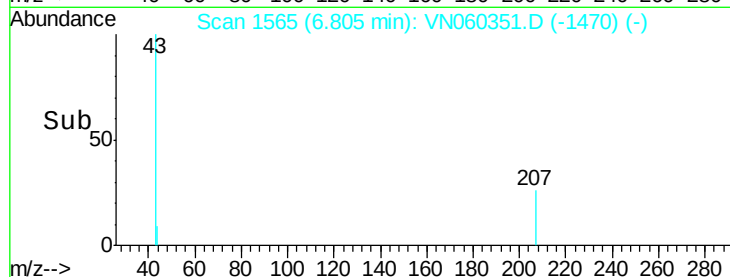
300

200

100

0

Time--> 6.76 6.78 6.80 6.82



#33

1,2-Dichloroethane-d4

Concen: 50.619 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060351.D

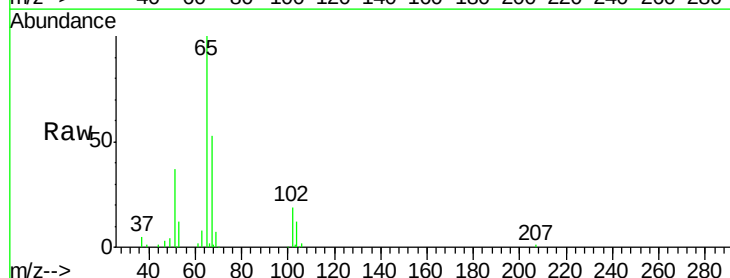
Acq: 4 Mar 2020 16:12

Tgt Ion: 65 Resp: 125239

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.00

60000

50000

40000

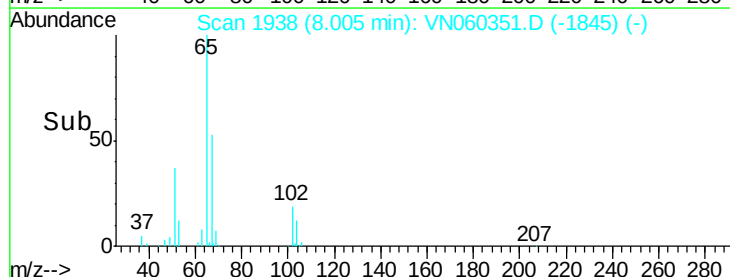
30000

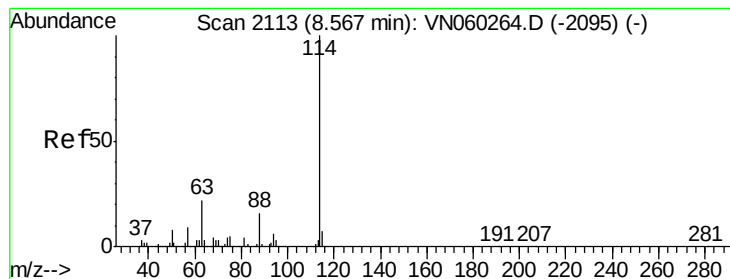
20000

10000

0

Time--> 7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

OR-02-030320

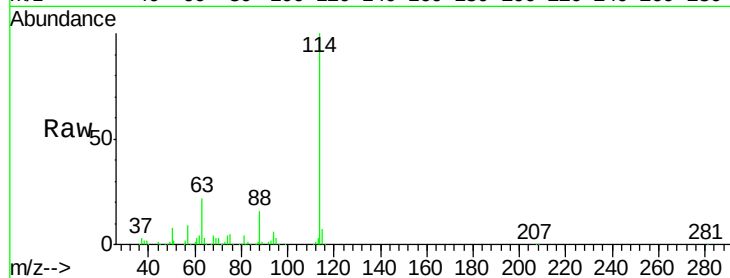
Tgt Ion:114 Resp: 314363

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

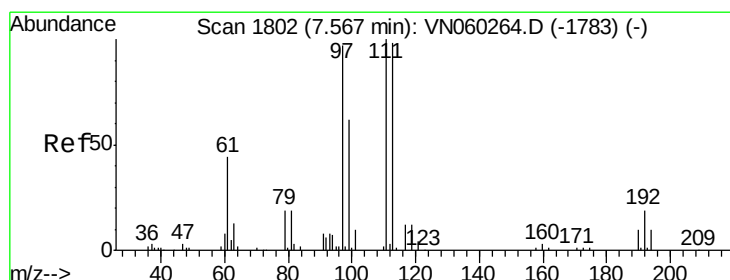
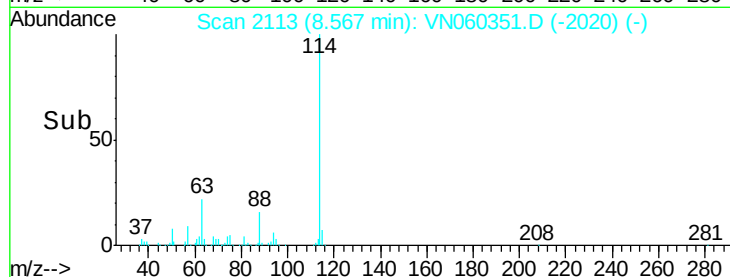
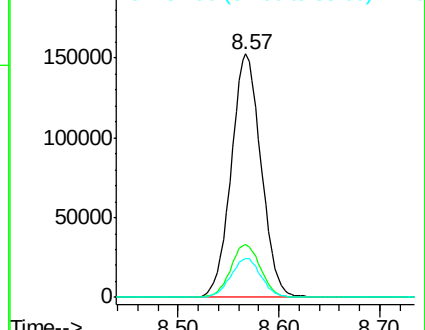
88 16.0 0.0 31.6



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: 59.012 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

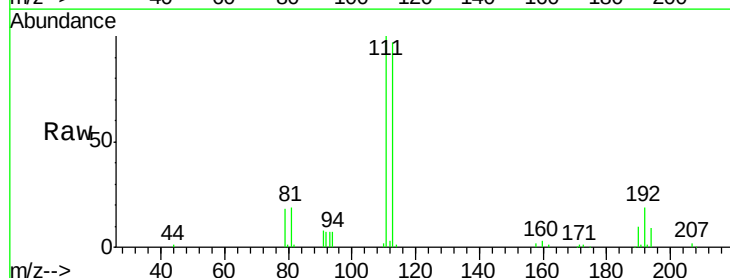
Tgt Ion:113 Resp: 86108

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

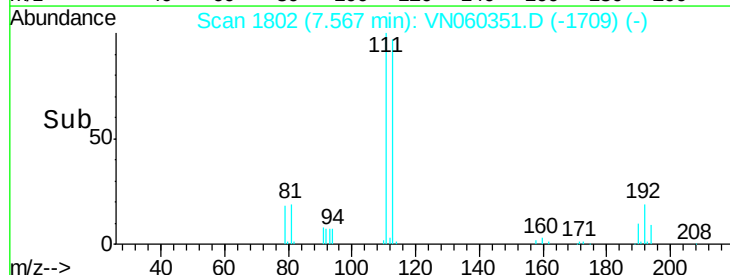
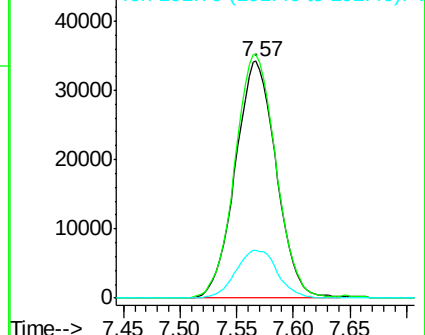
192 20.5 16.2 24.2

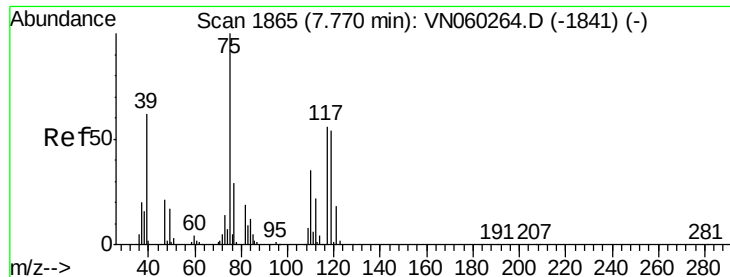


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.025 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

OR-02-030320

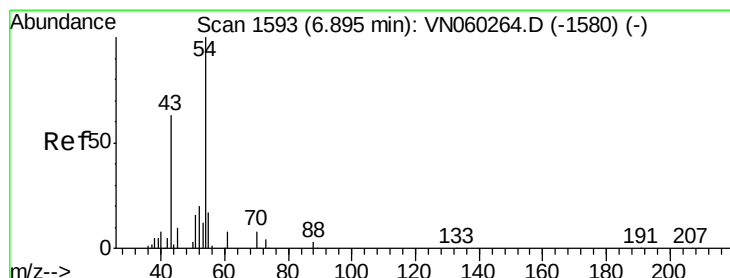
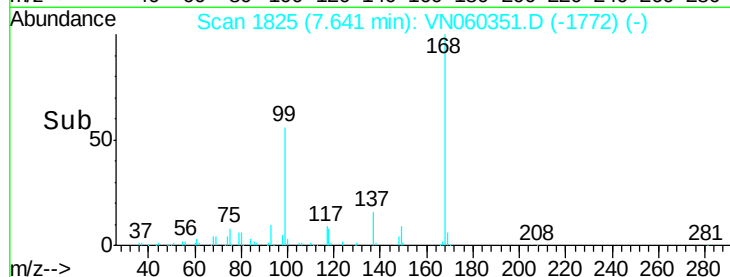
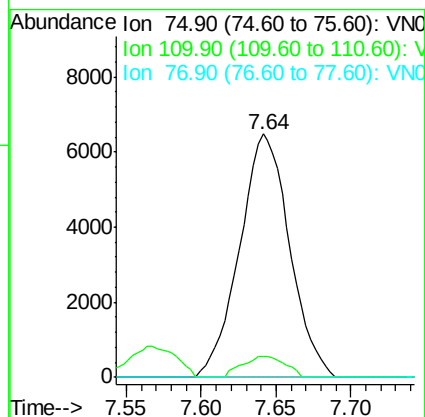
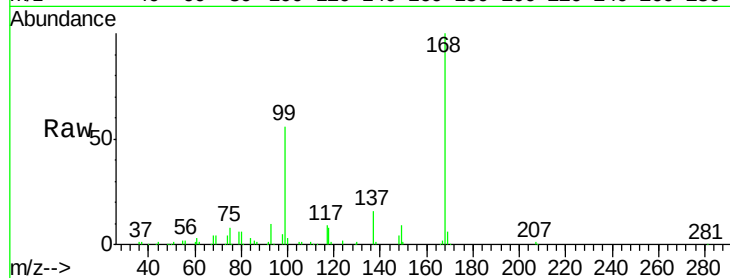
Tgt Ion: 75 Resp: 15056

Ion Ratio Lower Upper

75 100

110 7.4 17.3 52.0#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 0.235 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.09 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

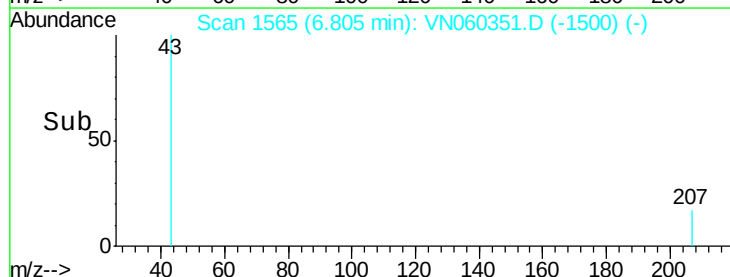
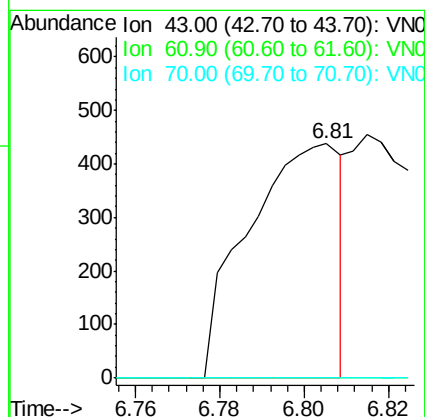
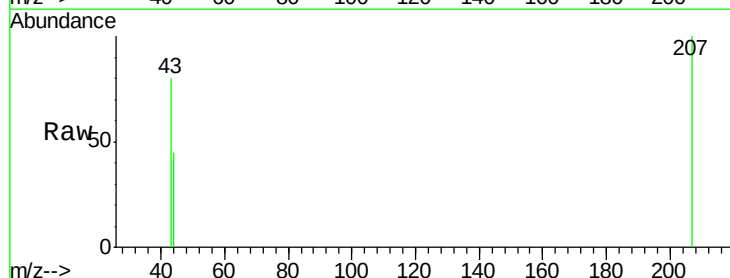
Tgt Ion: 43 Resp: 668

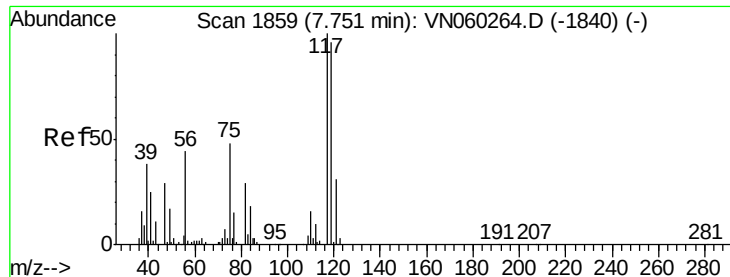
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.188 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

OR-02-030320

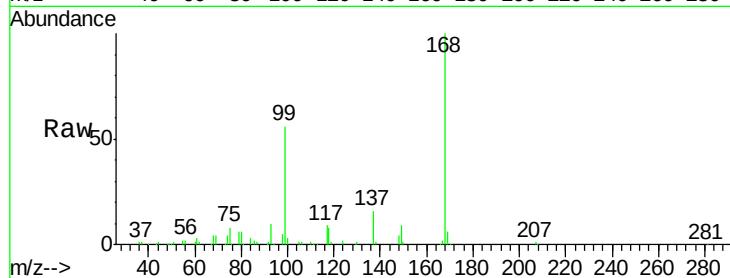
Tgt Ion:117 Resp: 18051

Ion Ratio Lower Upper

117 100

119 5.5 76.7 115.1#

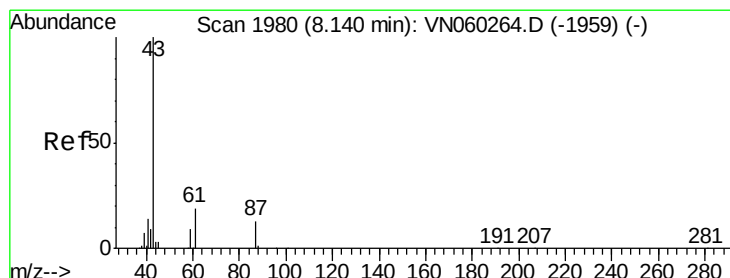
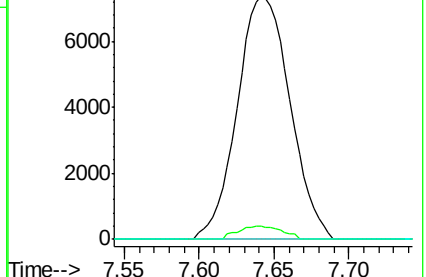
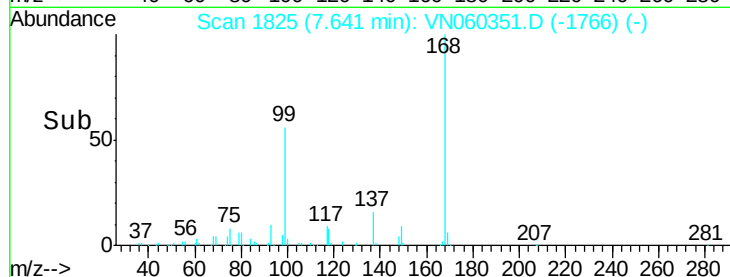
121 0.0 24.5 36.7#



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: 5.261 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

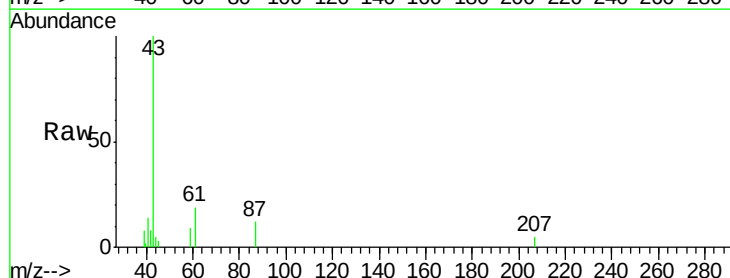
Tgt Ion: 43 Resp: 26129

Ion Ratio Lower Upper

43 100

61 19.3 20.9 31.3#

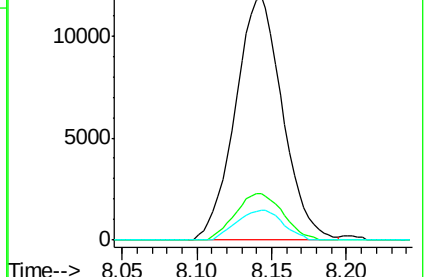
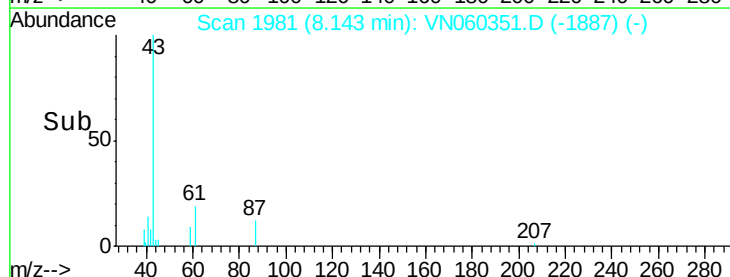
87 12.0 10.6 16.0

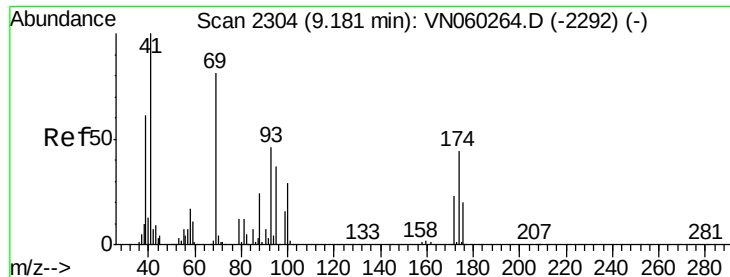


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#48

Methyl methacrylate

Concen: 0.801 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.02 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

OR-02-030320

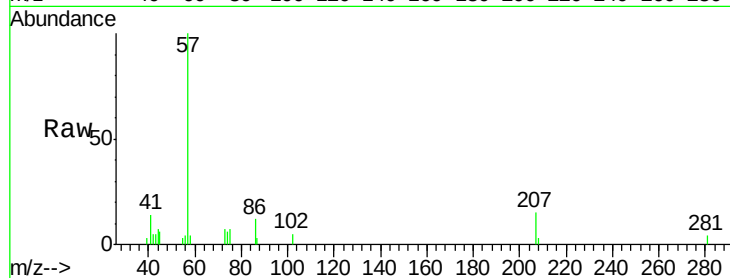
Tgt Ion: 41 Resp: 1815

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

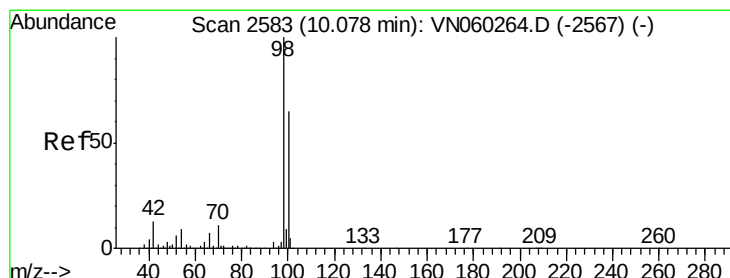
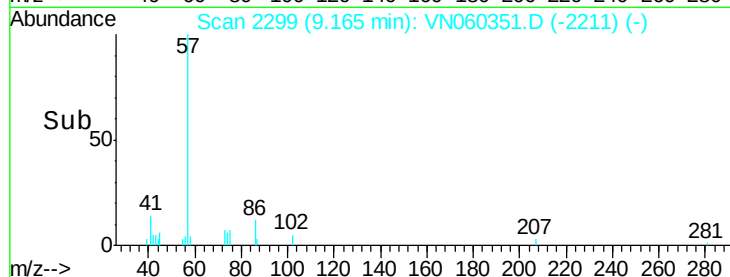
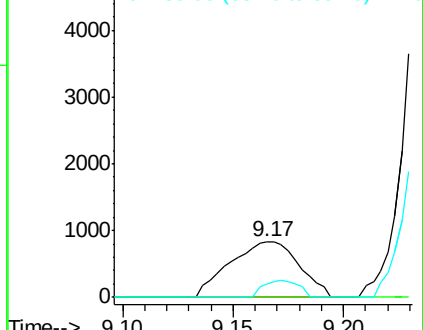
39 0.0 50.1 75.1#



Abundance Ion 41.00 (40.70 to 41.70): VN060351.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN060351.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN060351.D (-2292) (-)



#50

Toluene-d8

Concen: 52.527 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060351.D

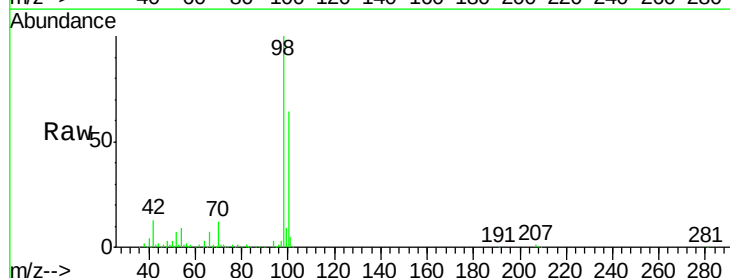
Acq: 4 Mar 2020 16:12

Tgt Ion: 98 Resp: 387917

Ion Ratio Lower Upper

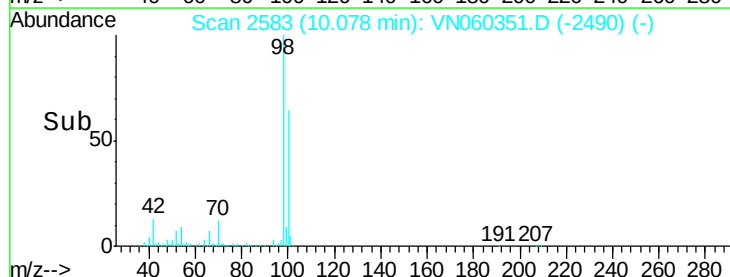
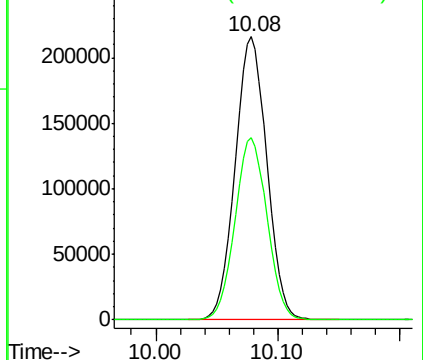
98 100

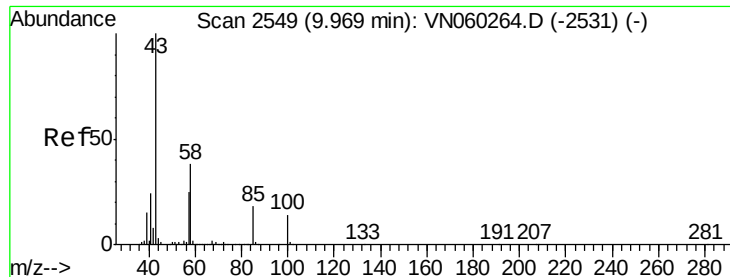
100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060351.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060351.D (-2567) (-)

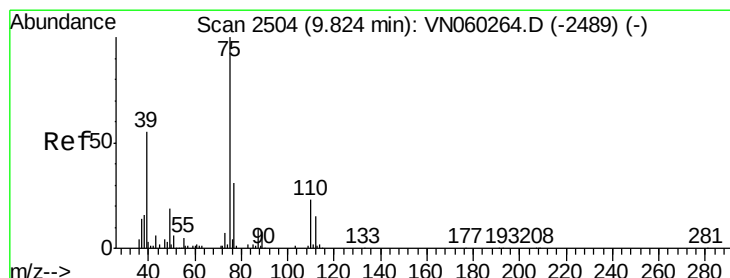
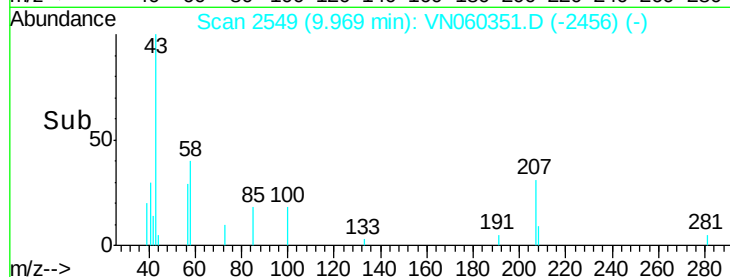
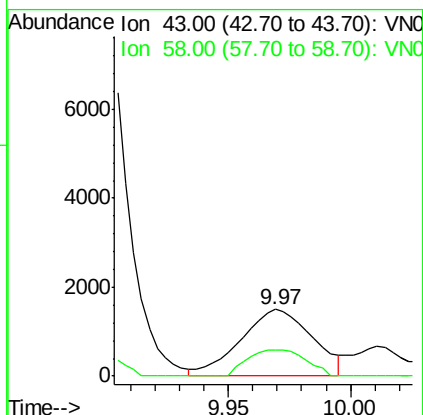
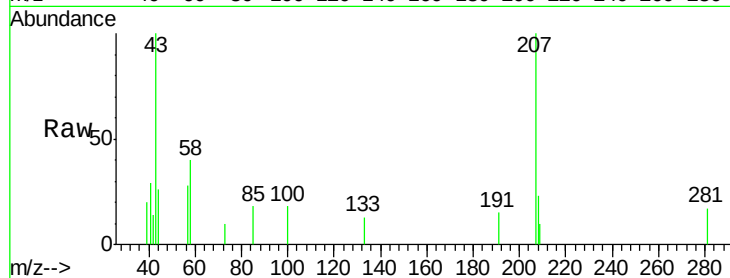




#51
 4-Methyl-2-Pentanone
 Concen: 1.086 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060351.D
 Acq: 4 Mar 2020 16:12

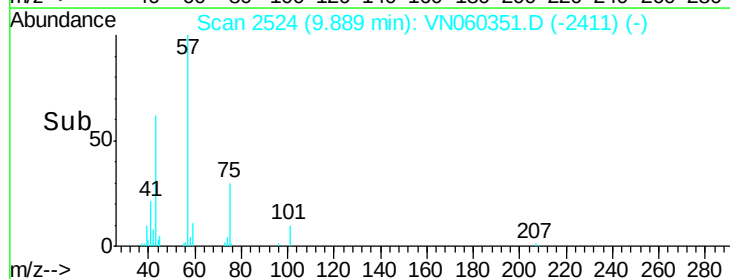
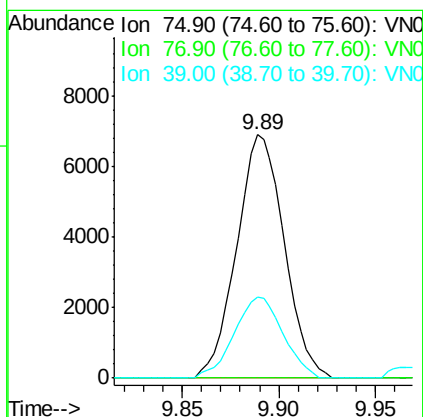
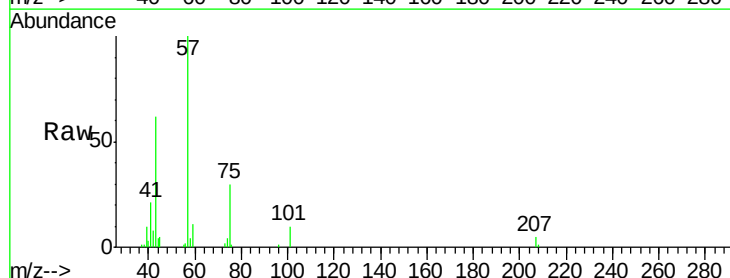
Instrument :
 MSVOA_N
 ClientSampleId :
 OR-02-030320

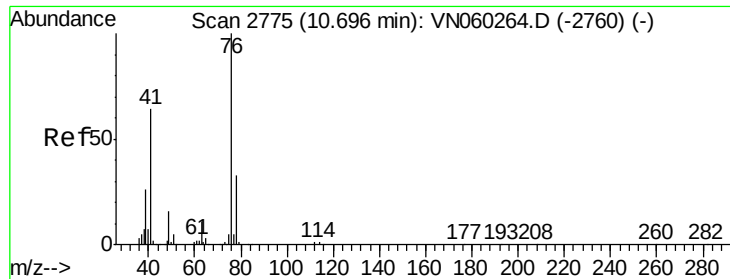
Tgt Ion: 43 Resp: 3057
 Ion Ratio Lower Upper
 43 100
 58 32.2 30.9 46.3



#54
 cis-1,3-Dichloropropene
 Concen: 3.083 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060351.D
 Acq: 4 Mar 2020 16:12

Tgt Ion: 75 Resp: 11776
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 33.2 43.8 65.8#





#57

1,3-Dichloropropane

Concen: 0.411 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

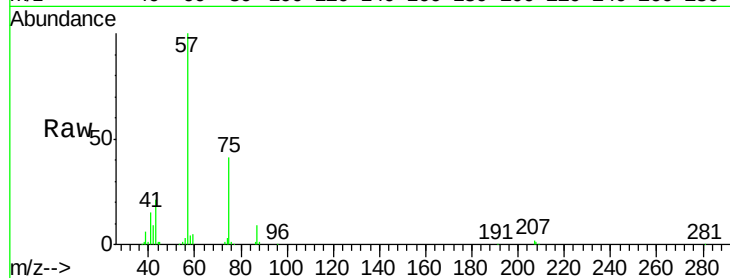
OR-02-030320

Tgt Ion: 76 Resp: 1477

Ion Ratio Lower Upper

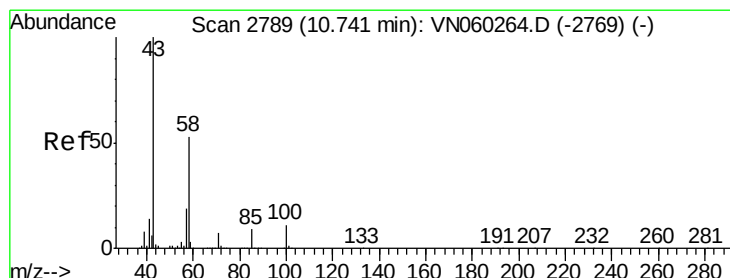
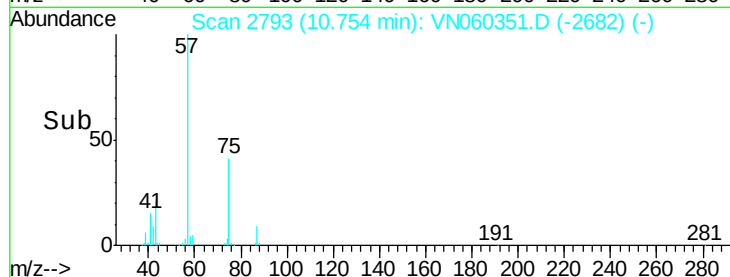
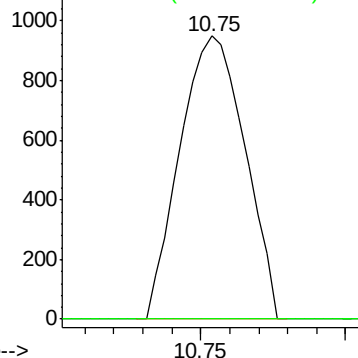
76 100

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: 10.871 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060351.D

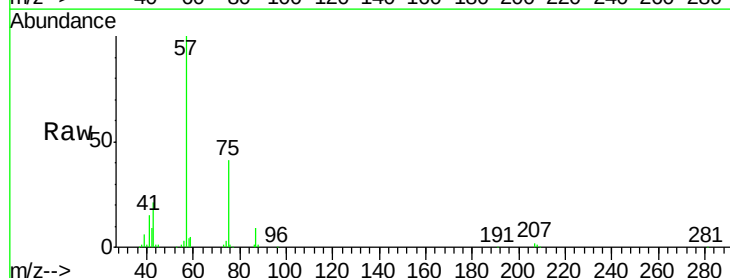
Acq: 4 Mar 2020 16:12

Tgt Ion: 43 Resp: 22475

Ion Ratio Lower Upper

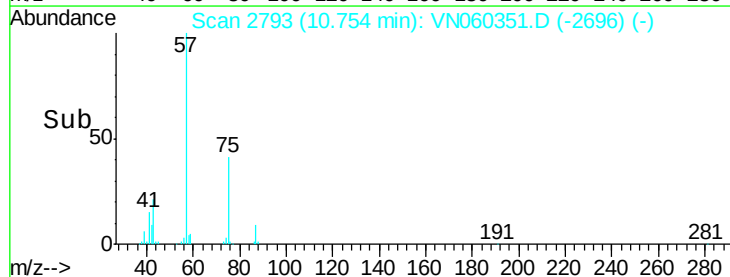
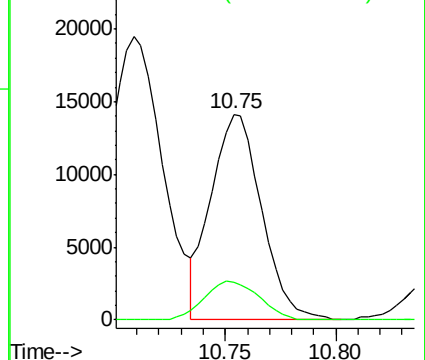
43 100

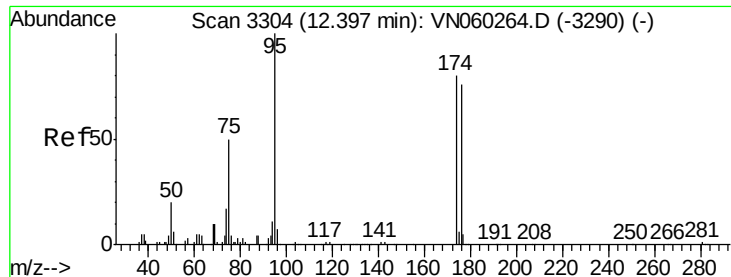
58 20.5 26.5 79.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 52.192 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

OR-02-030320

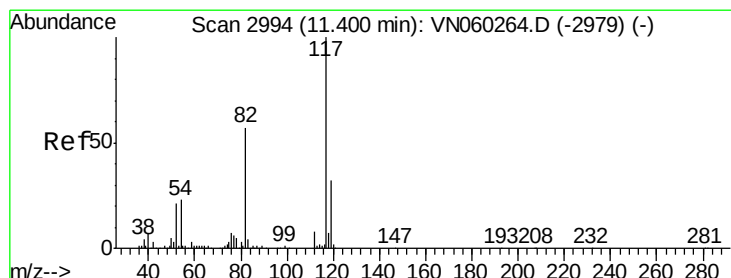
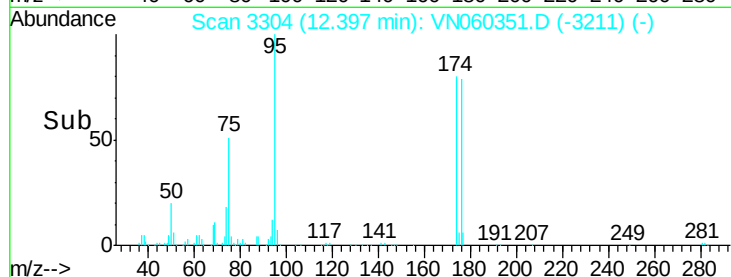
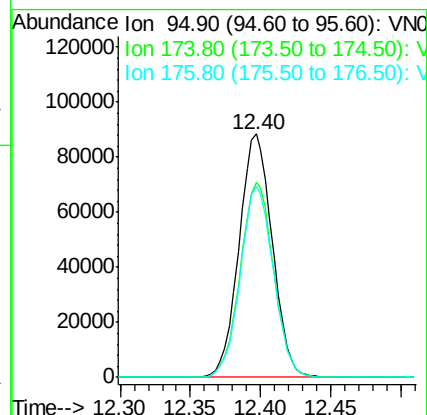
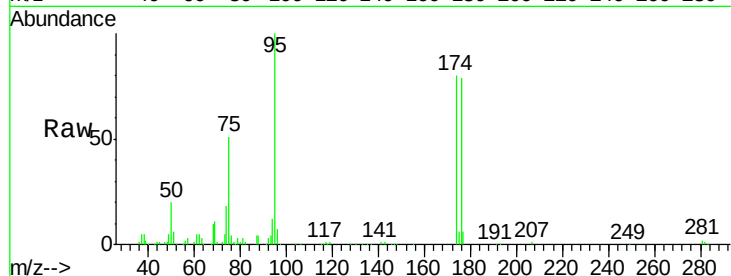
Tgt Ion: 95 Resp: 146111

Ion Ratio Lower Upper

95 100

174 80.3 0.0 159.2

176 78.2 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: VN060351.D

Acq: 4 Mar 2020 16:12

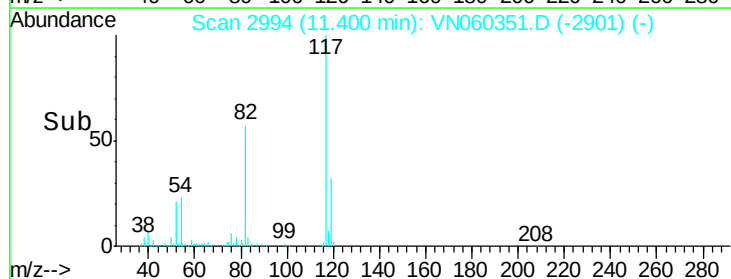
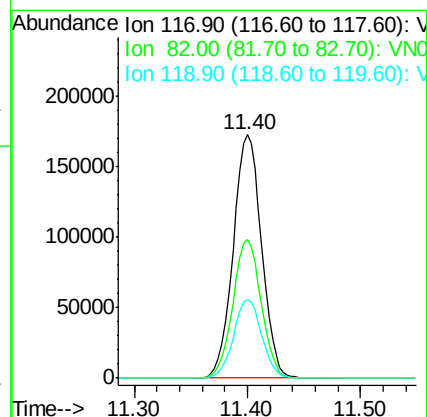
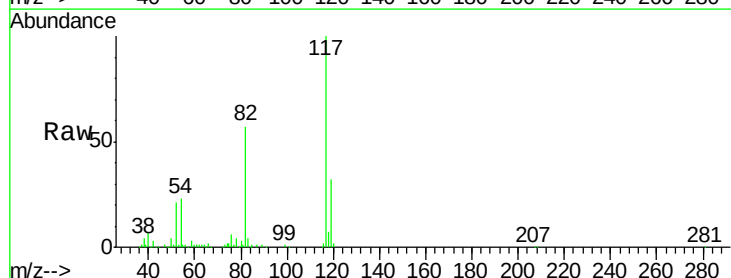
Tgt Ion: 117 Resp: 299484

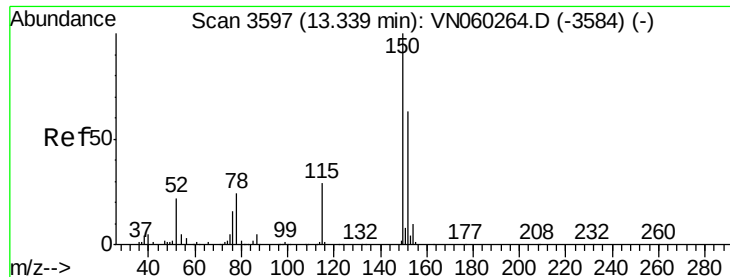
Ion Ratio Lower Upper

117 100

82 57.1 45.8 68.6

119 32.5 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

OR-02-030320

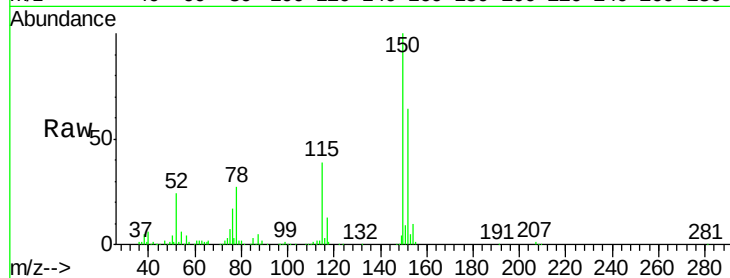
Tgt Ion:152 Resp: 140964

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

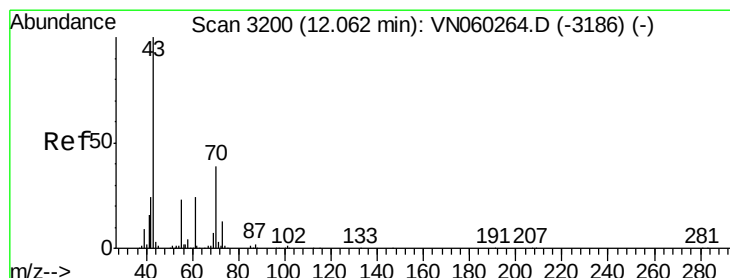
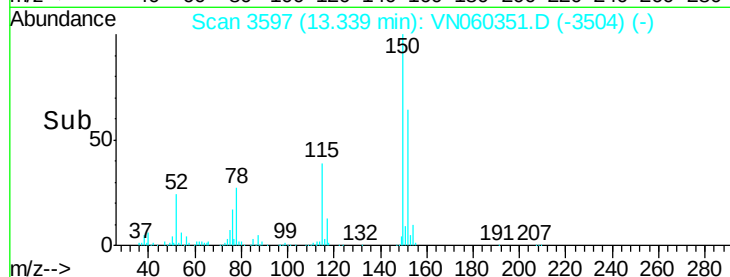
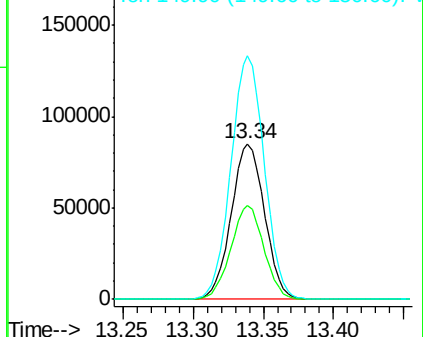
150 157.1 0.0 349.6



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: 0.437 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

Tgt Ion: 43 Resp: 1995

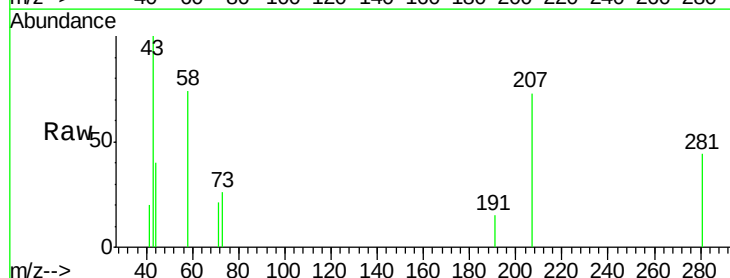
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

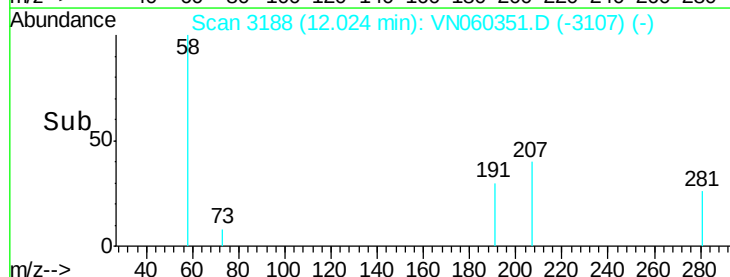
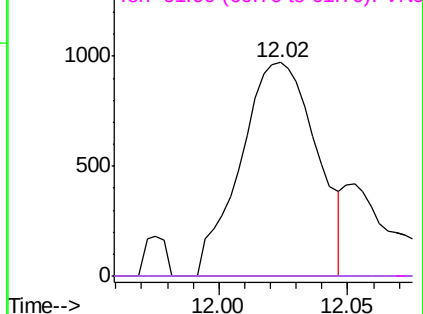


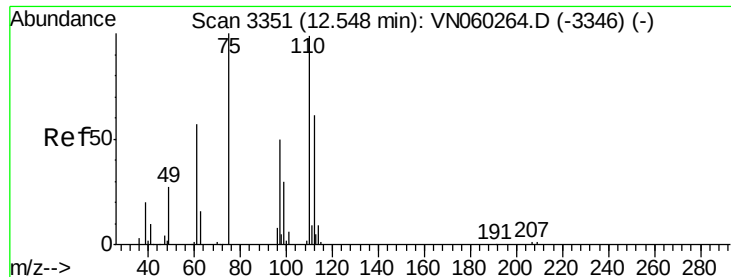
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.532 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

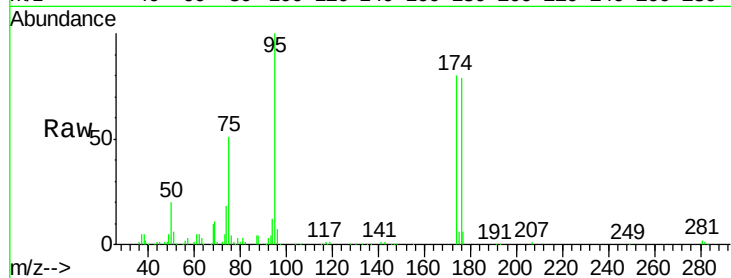
OR-02-030320

Tgt Ion: 75 Resp: 75873

Ion Ratio Lower Upper

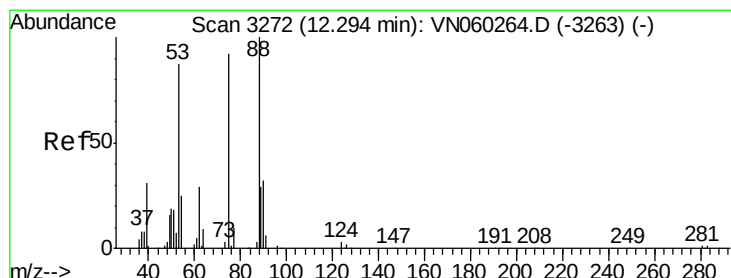
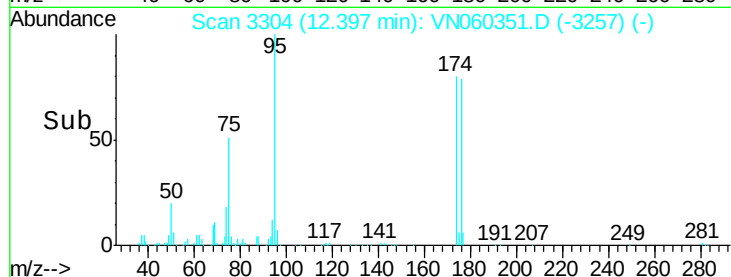
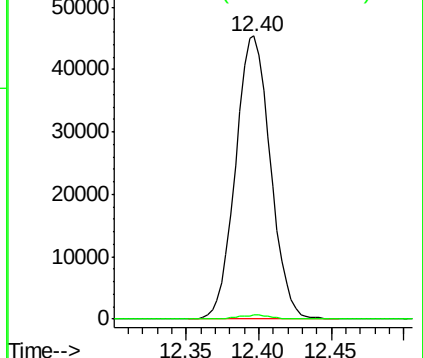
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 67.721 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060351.D

Acq: 4 Mar 2020 16:12

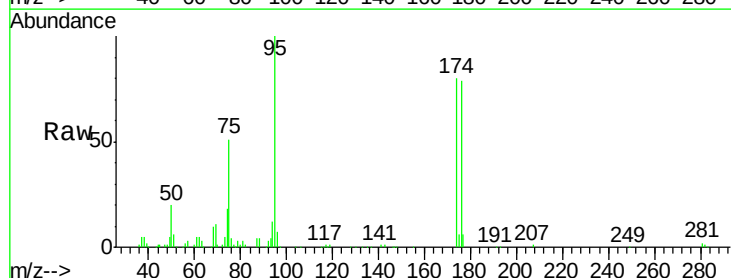
Tgt Ion: 75 Resp: 75873

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

