

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060331.D
 Acq On : 3 Mar 2020 15:49
 Operator : JC/MD
 Sample : L1762-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 01:15:18 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	201317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142229	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	128695	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
35) Dibromofluoromethane	7.57	113	92286	61.37	ug/l	0.00
Spiked Amount			Recovery	=	122.74%	
50) Toluene-d8	10.08	98	398809	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.40	95	149747	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	

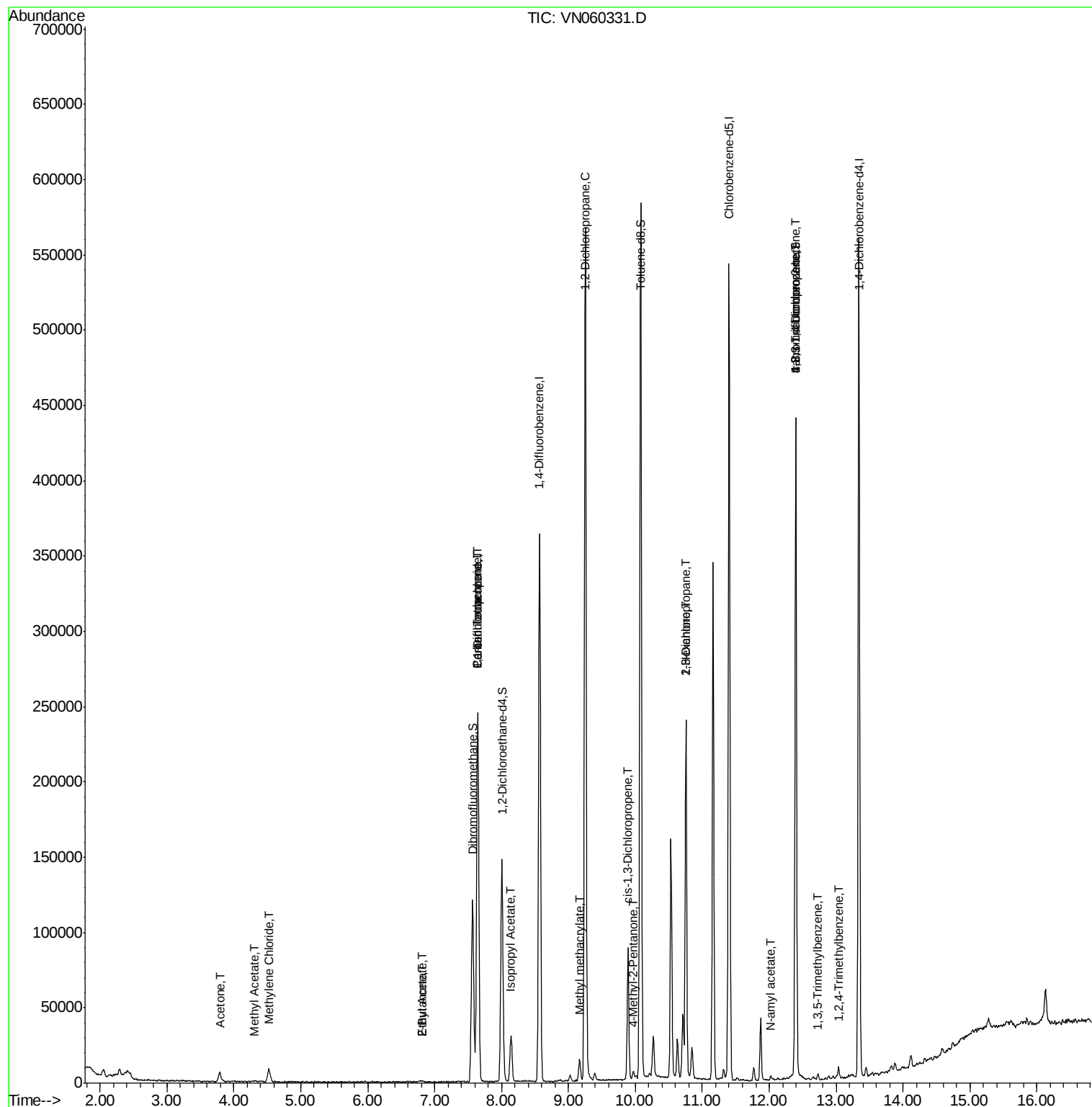
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.60	96	67	Below Cal	#	1
16) Acetone	3.79	43	10794	12.941	ug/l	100
18) Methyl Acetate	4.31	43	1071	0.385	ug/l #	52
20) Methylene Chloride	4.52	84	6416	2.801	ug/l	96
25) 2-Butanone	6.81	43	1190	0.883	ug/l #	49
31) Cyclohexane	7.65	56	4345	Below Cal	#	9
36) 1,1-Dichloropropene	7.64	75	15656	5.070	ug/l #	49
37) Ethyl Acetate	6.81	43	1190	0.407	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19113	6.357	ug/l #	15
43) Isopropyl Acetate	8.14	43	36790	7.187	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	625	0.266	ug/l #	44
48) Methyl methacrylate	9.16	41	2027	0.868	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3489	1.202	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	16359	4.155	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2475	0.668	ug/l #	42
59) 2-Hexanone	10.75	43	35131	16.487	ug/l #	52
74) N-amyl acetate	12.02	43	2908	0.631	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	77260	24.759	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	1820	0.205	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	77260	68.346	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.03	105	4696	0.524	ug/l	96
95) Naphthalene	15.13	128	1171	Below Cal	#	69

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

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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: VN060331.D

Acq: 3 Mar 2020 15:49

Instrument :

MSVOA_N

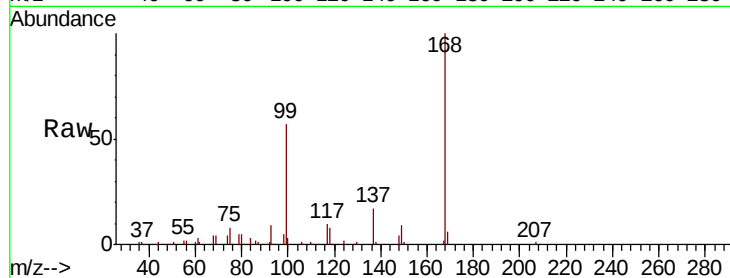
ClientSampleId :

Tot Ion:168 Resp: 201317

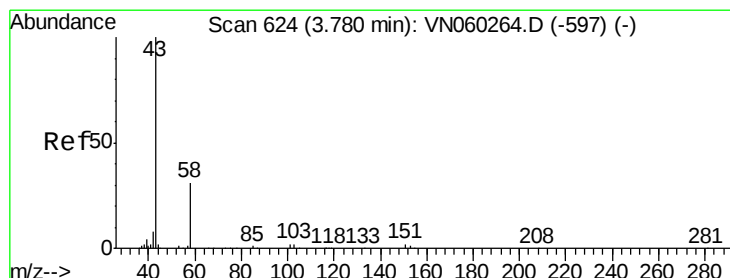
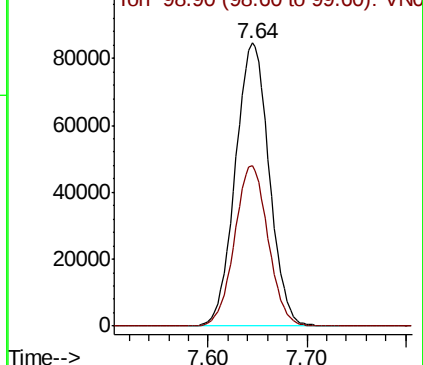
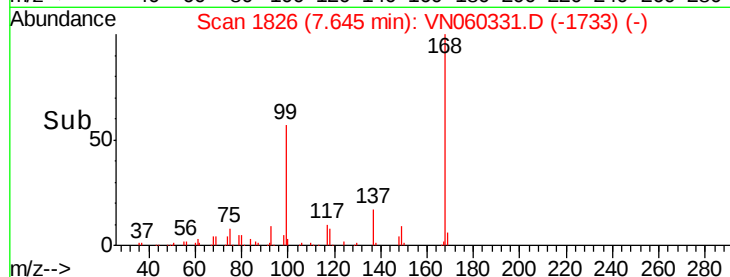
Ion Ratio Lower Upper

168 100

99 56.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN060331.D (-1733) (-)



#16

Acetone

Concen: 12.941 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060331.D

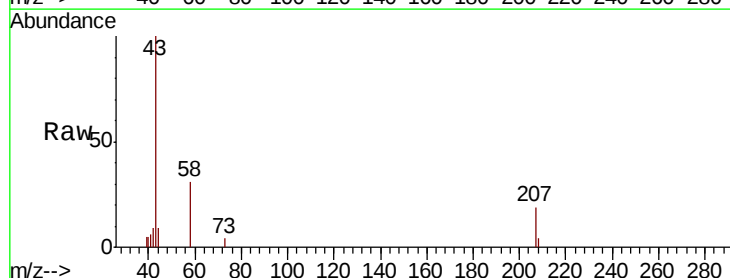
Acq: 3 Mar 2020 15:49

Tgt Ion: 43 Resp: 10794

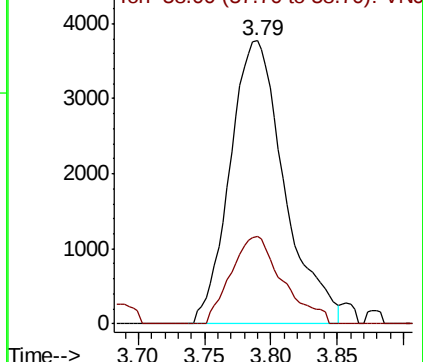
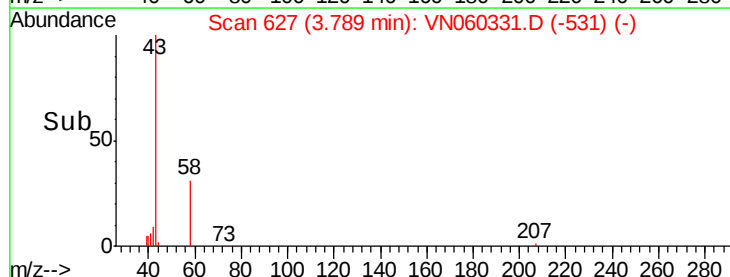
Ion Ratio Lower Upper

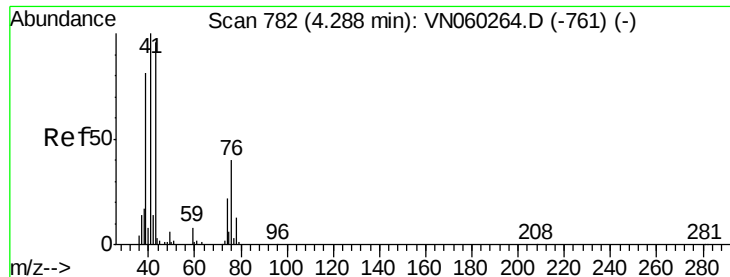
43 100

58 30.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060331.D (-531) (-)

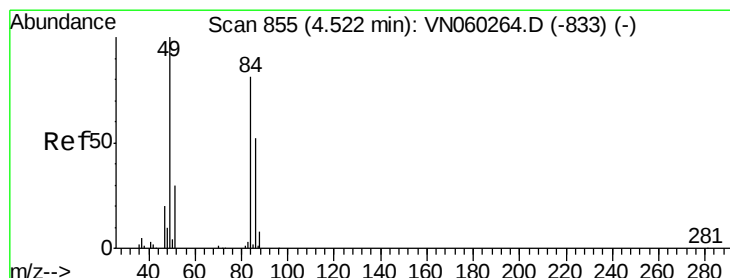
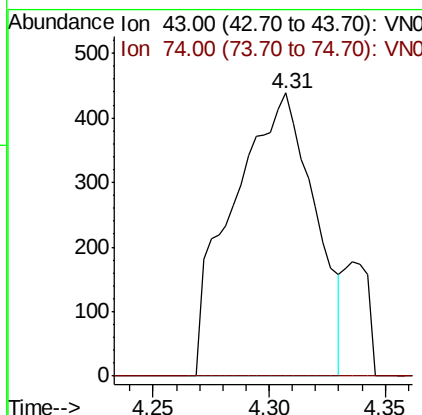
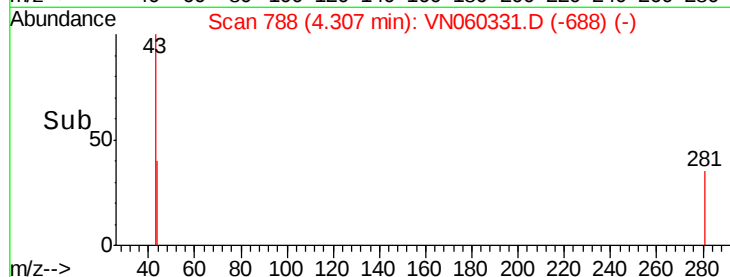
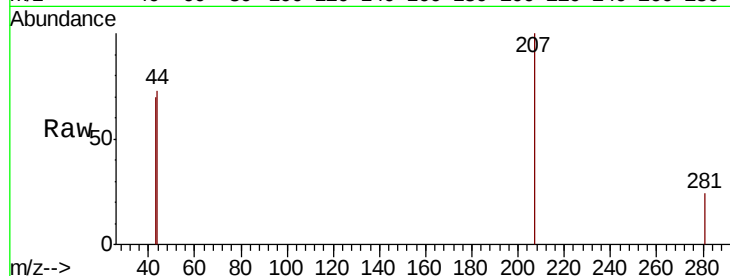




#18
Methyl Acetate
Concen: 0.385 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN060331.D
Acq: 3 Mar 2020 15:49

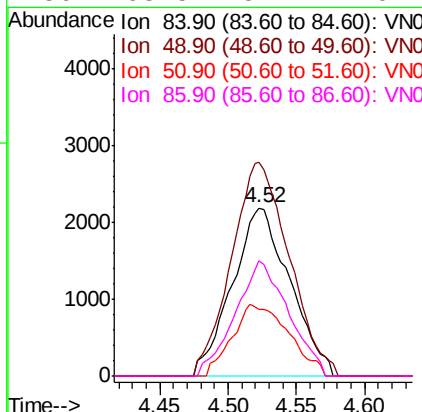
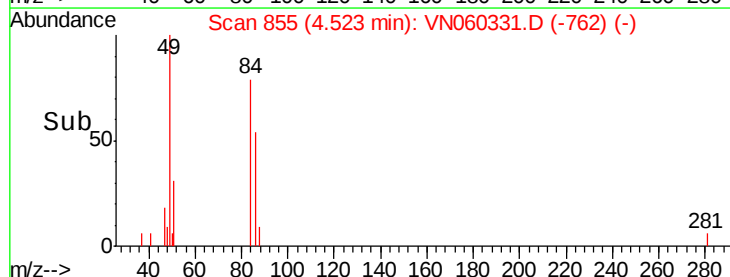
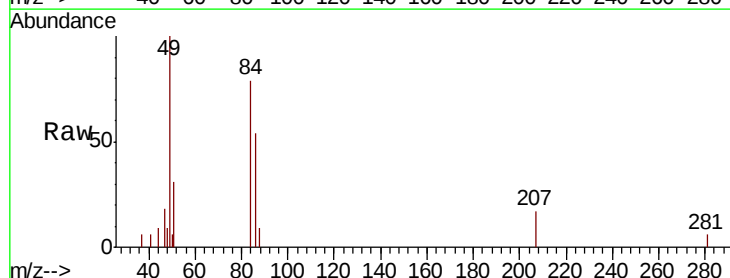
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 2.801 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060331.D
Acq: 3 Mar 2020 15:49

Tgt Ion: 84 Resp: 6416
Ion Ratio Lower Upper
84 100
49 127.2 99.3 148.9
51 39.6 30.1 45.1
86 68.5 51.1 76.7

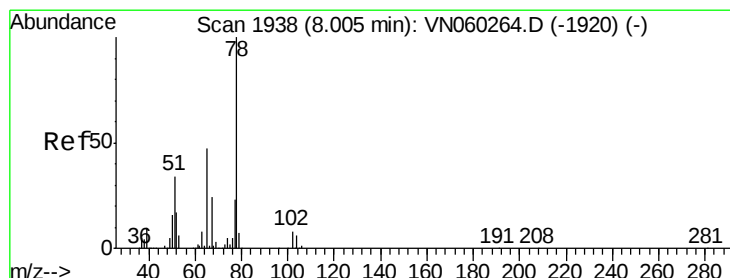
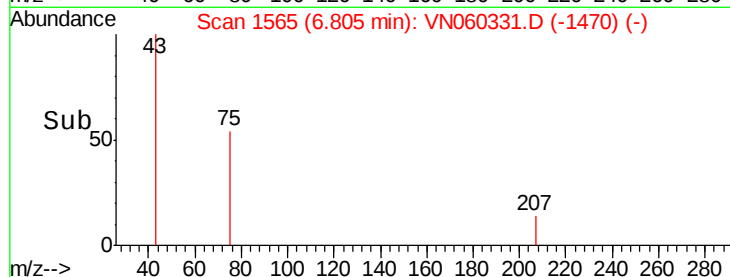
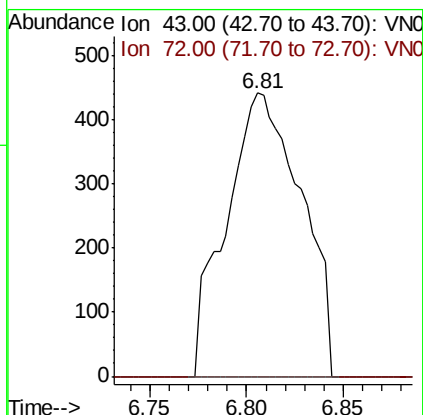
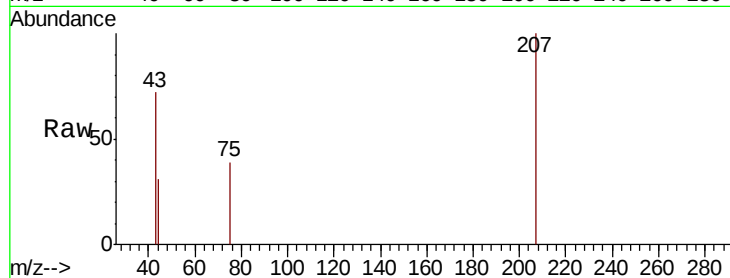




#25
 2-Butanone
 Concen: 0.883 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VN060331.D
 Acq: 3 Mar 2020 15:49

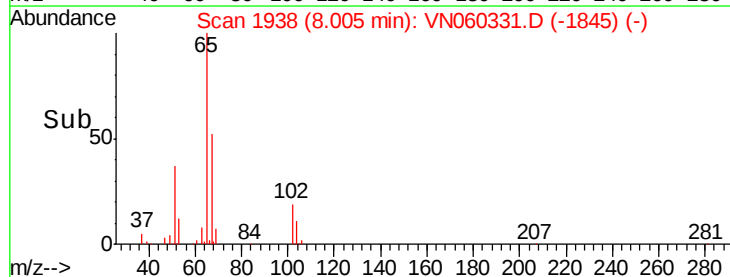
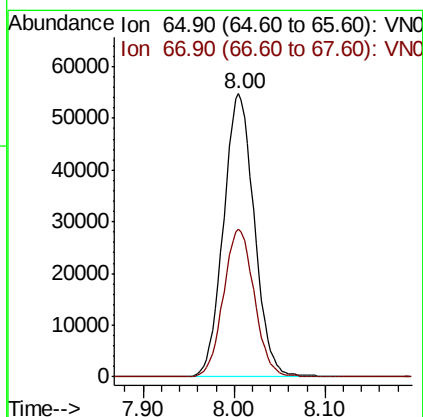
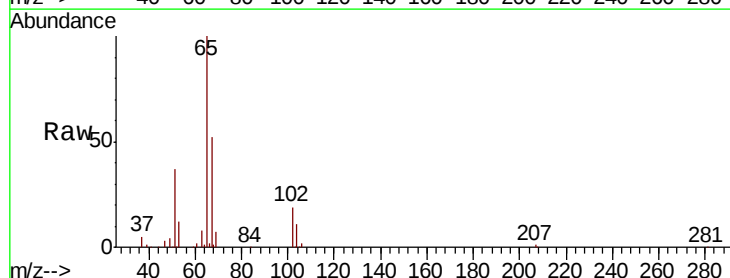
Instrument :
 MSVOA_N
 ClientSampleId :

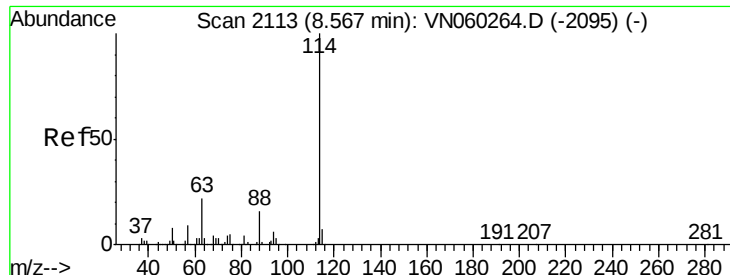
Tot Ion: 43 Resp: 1190
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 49.825 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060331.D
 Acq: 3 Mar 2020 15:49

Tgt Ion: 65 Resp: 128695
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.8

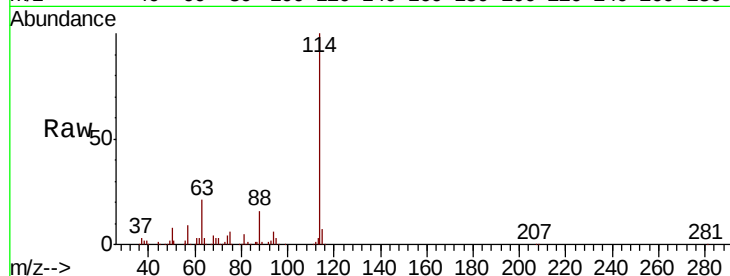




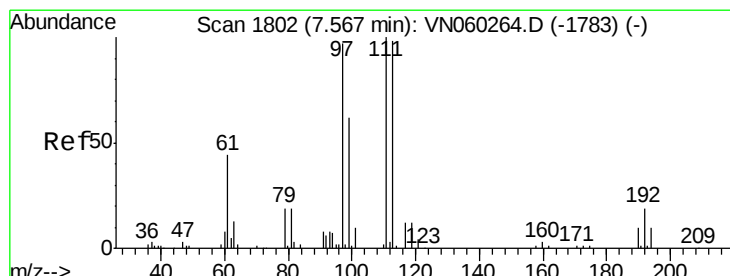
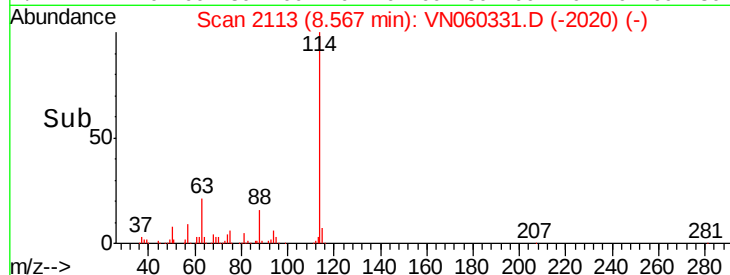
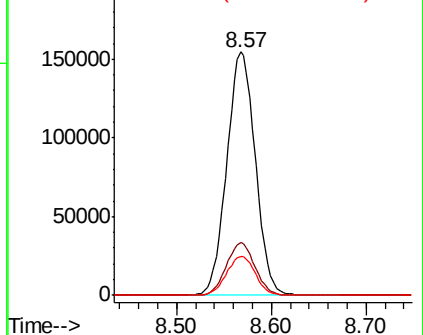
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060331.D
 Acq: 3 Mar 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.2
88	15.9	0.0	31.6

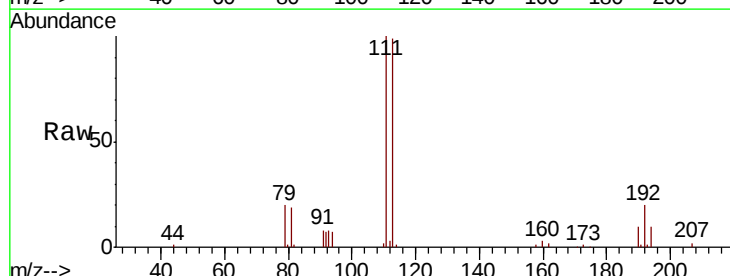


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

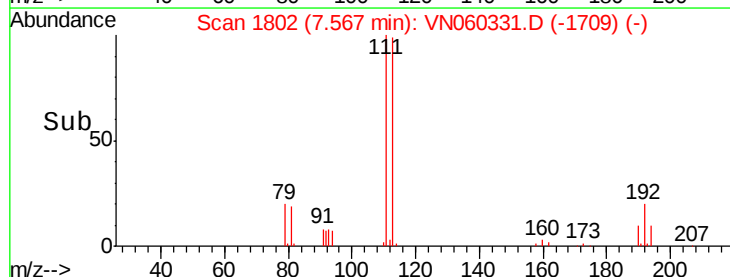
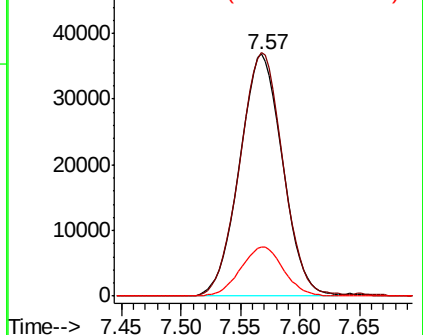


#35
 Dibromofluoromethane
 Concen: 61.365 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060331.D
 Acq: 3 Mar 2020 15:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.4	123.6
192	20.2	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: 5.070 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060331.D

Acq: 3 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

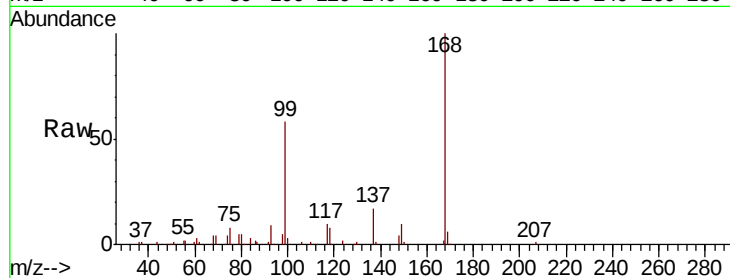
Tot Ion: 75 Resp: 15656

Ion Ratio Lower Upper

75 100

110 7.8 17.3 52.0#

77 0.0 24.2 36.2#



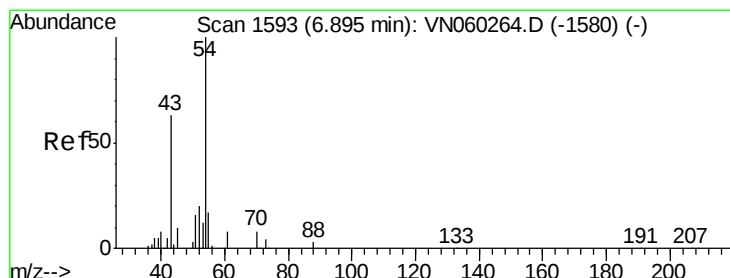
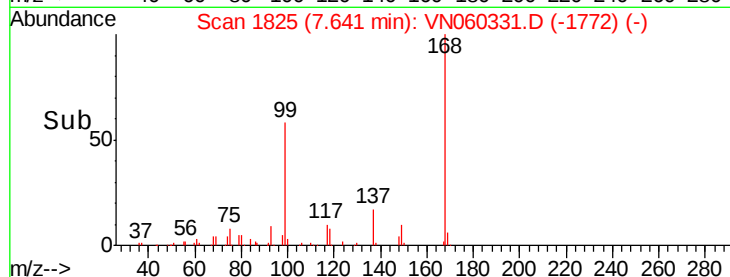
Abundance Ion 74.90 (74.60 to 75.60): VN060331.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060331.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060331.D (-1772) (-)

7.64

Time-->



#37

Ethyl Acetate

Concen: 0.407 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.09 min

Lab File: VN060331.D

Acq: 3 Mar 2020 15:49

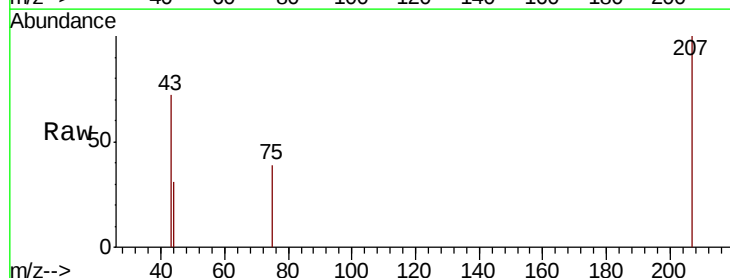
Tgt Ion: 43 Resp: 1190

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#



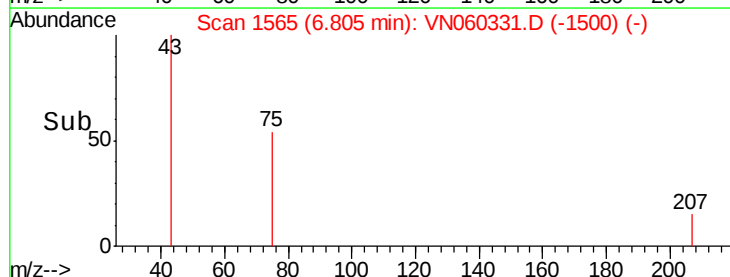
Abundance Ion 43.00 (42.70 to 43.70): VN060331.D (-1500) (-)

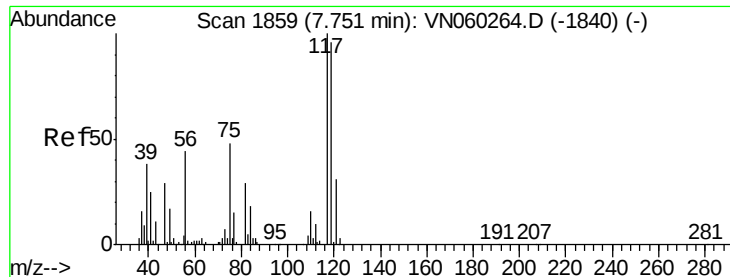
Ion 60.90 (60.60 to 61.60): VN060331.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060331.D (-1500) (-)

6.81

Time-->





#38

Carbon Tetrachloride

Concen: 6.357 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060331.D

Acq: 3 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

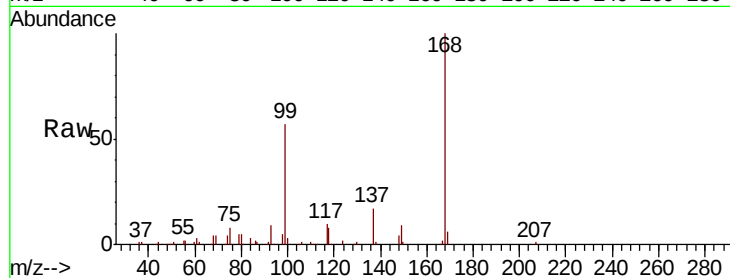
Tot Ion:117 Resp: 19113

Ion Ratio Lower Upper

117 100

119 3.8 76.7 115.1#

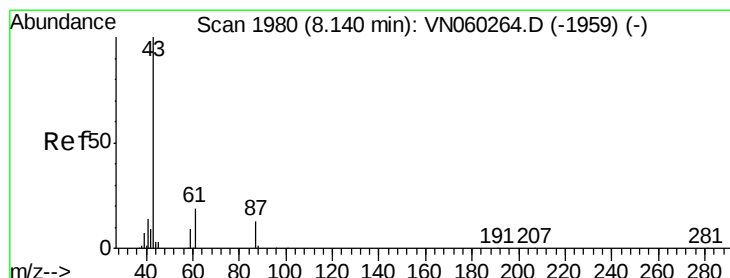
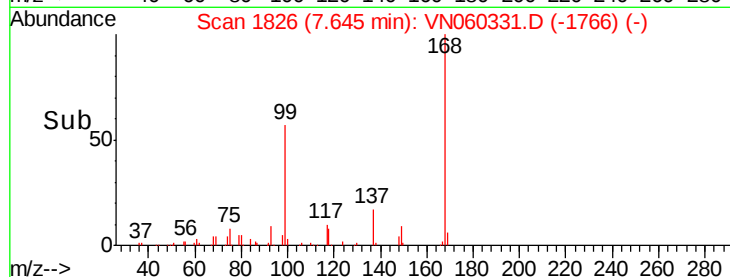
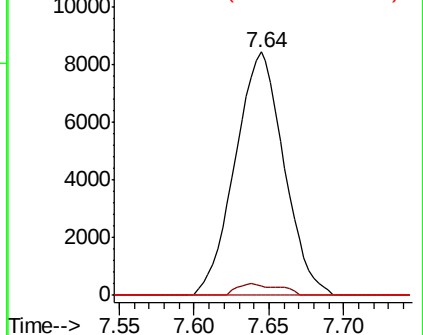
121 0.0 24.5 36.7#



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: 7.187 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060331.D

Acq: 3 Mar 2020 15:49

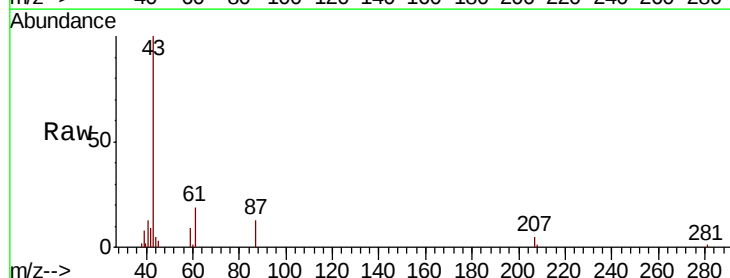
Tgt Ion: 43 Resp: 36790

Ion Ratio Lower Upper

43 100

61 19.5 20.9 31.3#

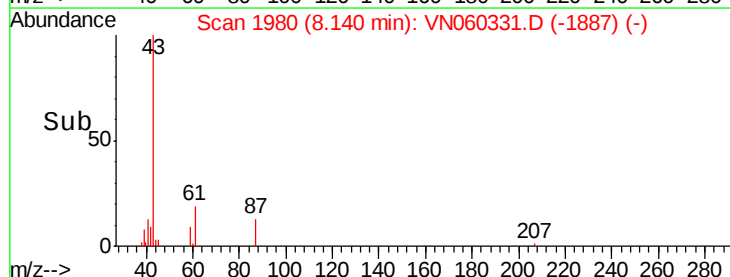
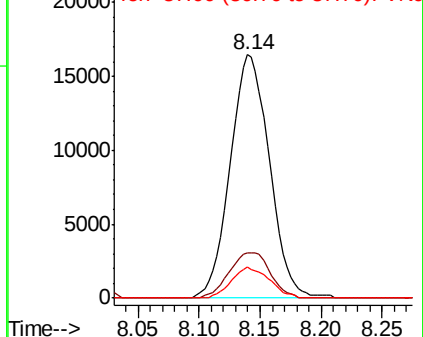
87 12.2 10.6 16.0

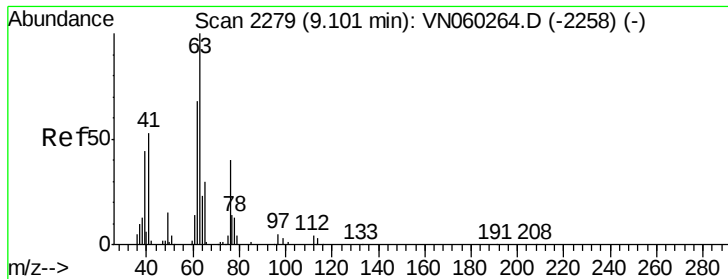


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.266 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060331.D

Acq: 3 Mar 2020 15:49

Instrument :

MSVOA_N

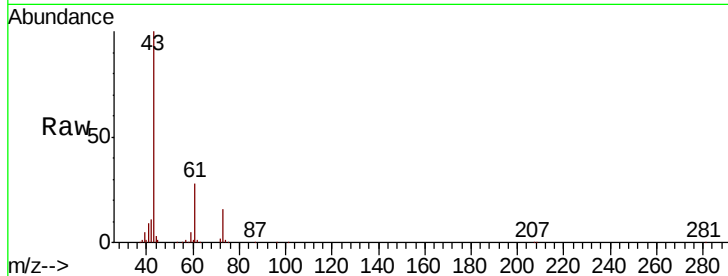
ClientSampleId :

Tot Ion: 63 Resp: 625

Ion Ratio Lower Upper

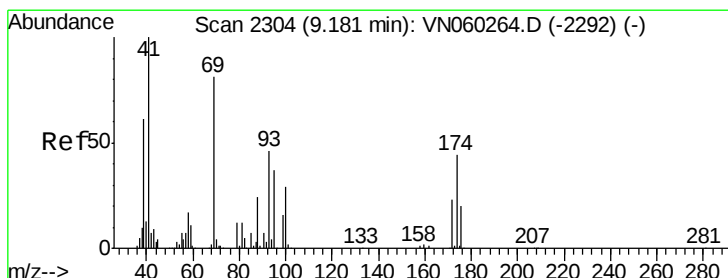
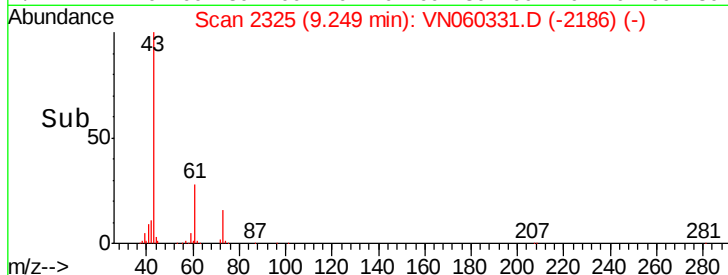
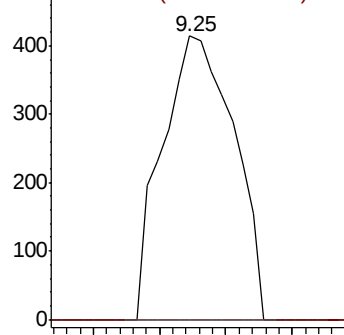
63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 0.868 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060331.D

Acq: 3 Mar 2020 15:49

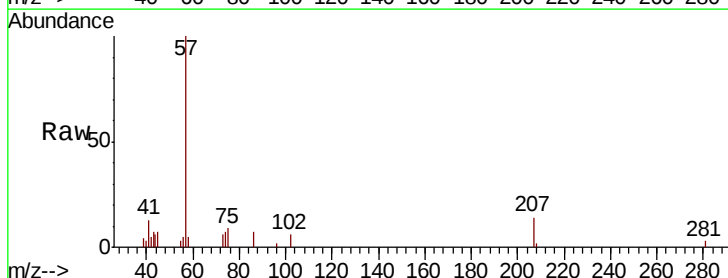
Tgt Ion: 41 Resp: 2027

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

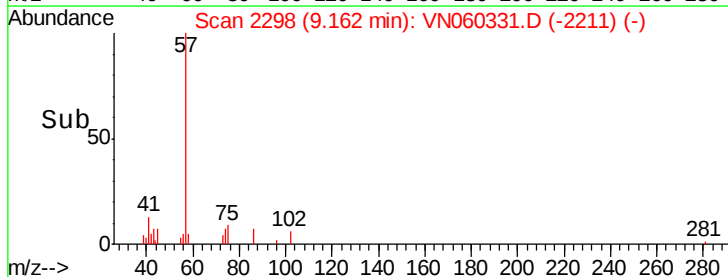
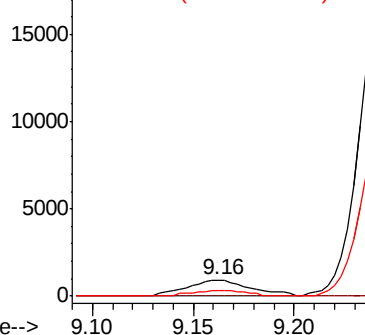
39 0.0 50.1 75.1#

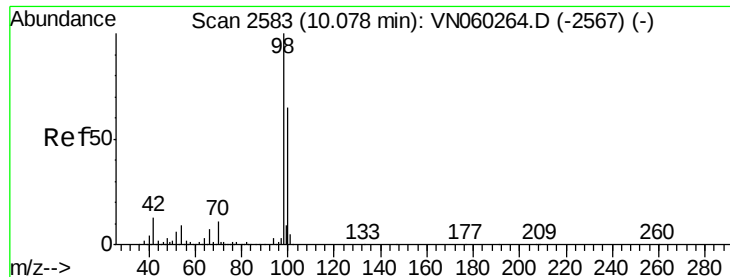


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 52.397 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060331.D

Acq: 3 Mar 2020 15:49

Instrument :

MSVOA_N

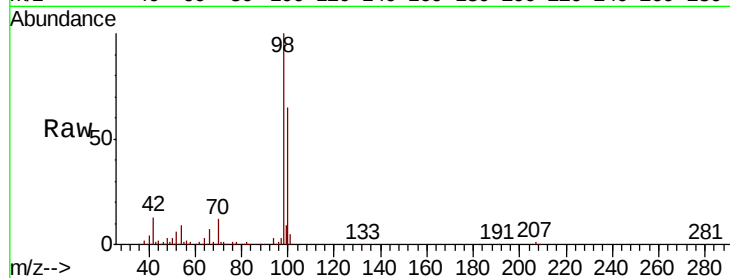
ClientSampleId :

Tot Ion: 98 Resp: 398809

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

250000

200000

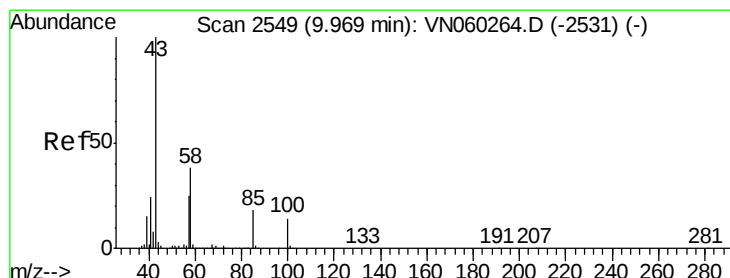
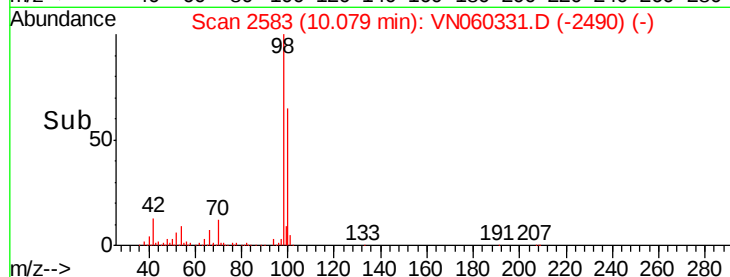
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.202 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060331.D

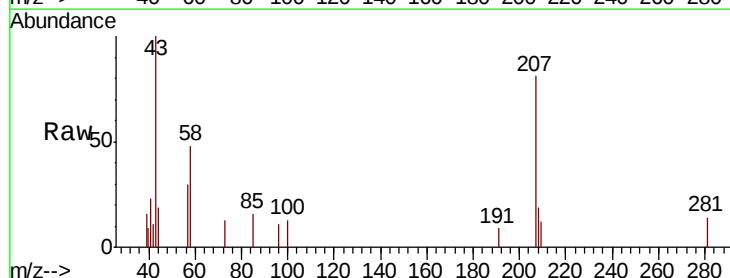
Acq: 3 Mar 2020 15:49

Tgt Ion: 43 Resp: 3489

Ion Ratio Lower Upper

43 100

58 35.9 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

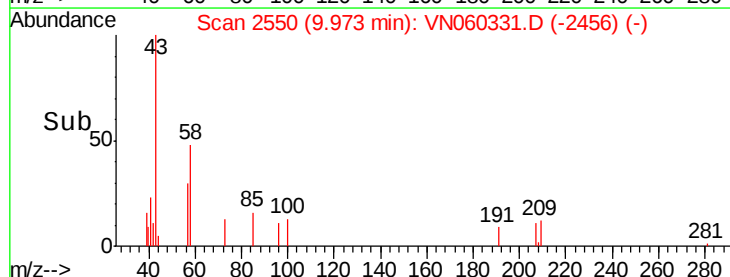
Ion 58.00 (57.70 to 58.70): VN0

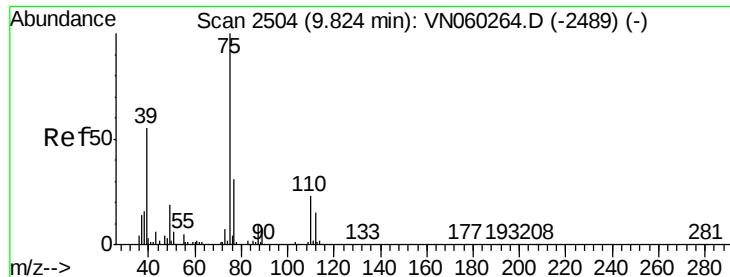
10000

5000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 4.155 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060331.D

Acq: 3 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

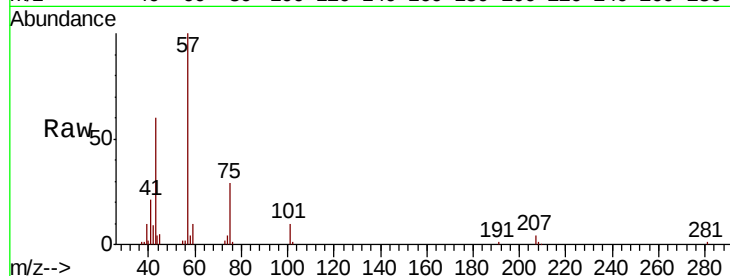
Tot Ion: 75 Resp: 16359

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

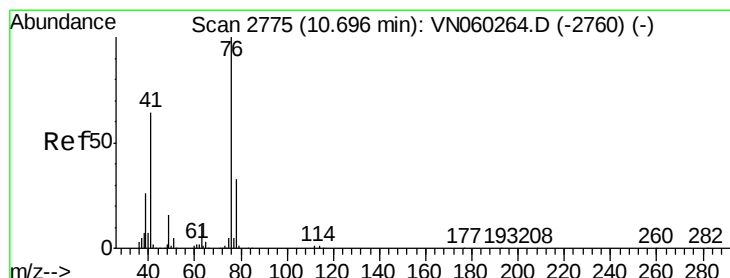
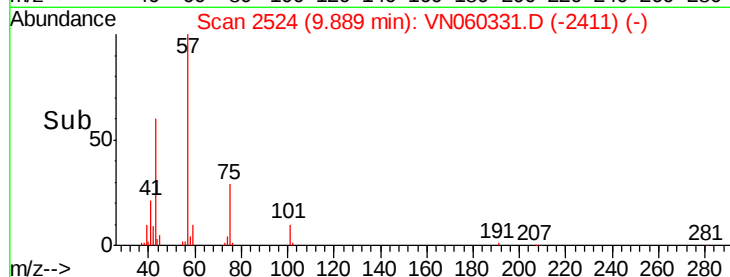
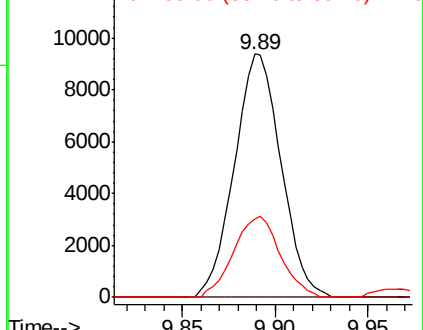
39 32.5 43.8 65.8#



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: 0.668 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060331.D

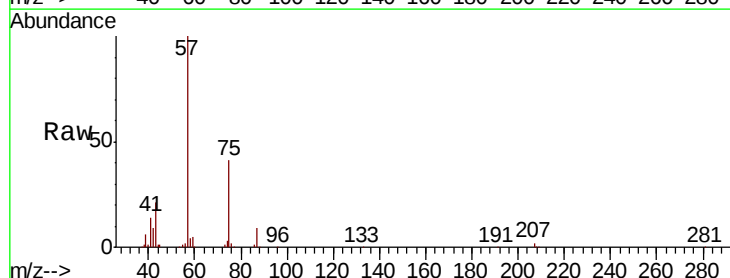
Acq: 3 Mar 2020 15:49

Tgt Ion: 76 Resp: 2475

Ion Ratio Lower Upper

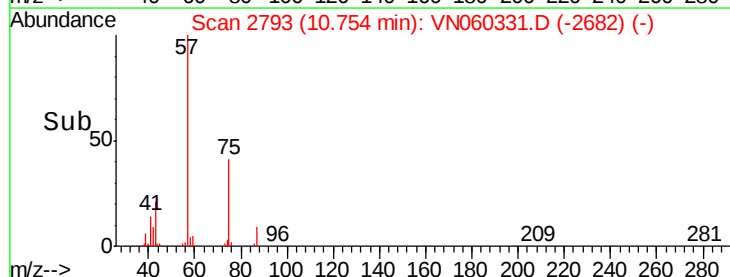
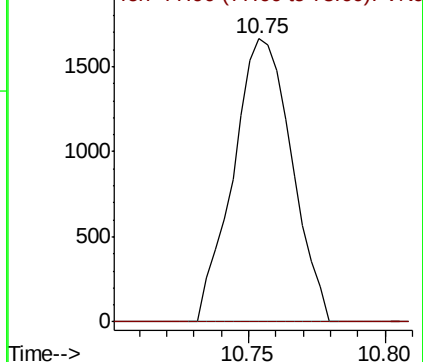
76 100

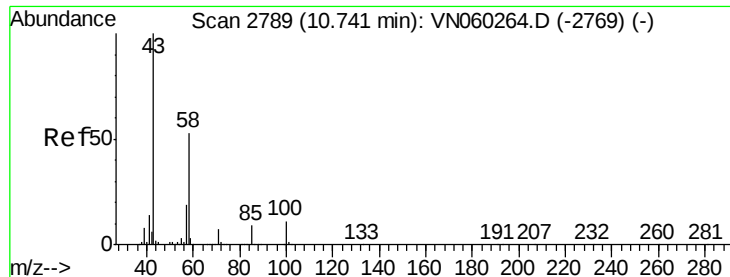
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

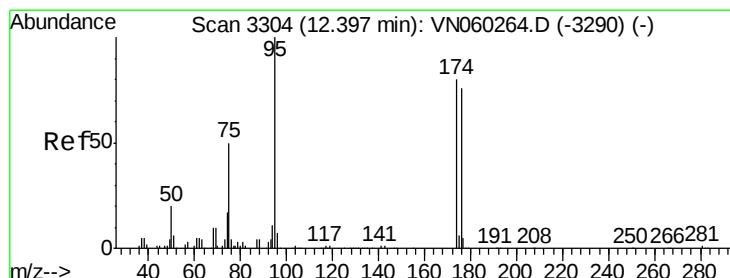
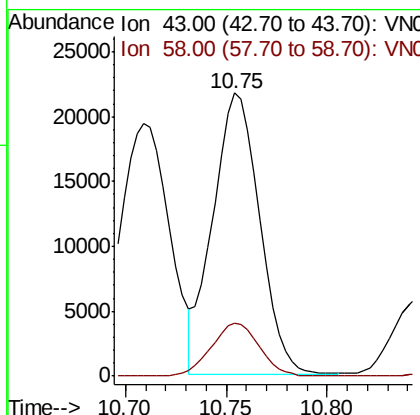
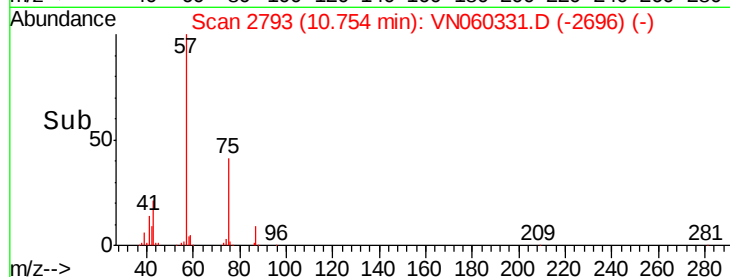
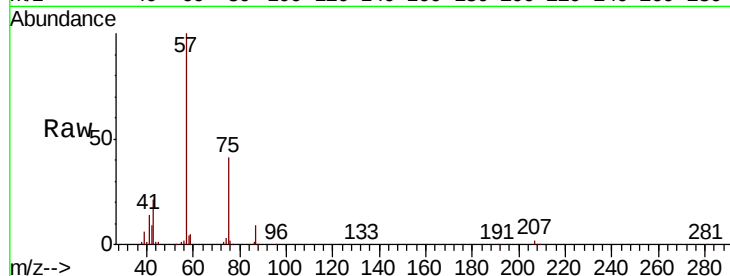




#59
2-Hexanone
Concen: 16.487 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060331.D
Acq: 3 Mar 2020 15:49

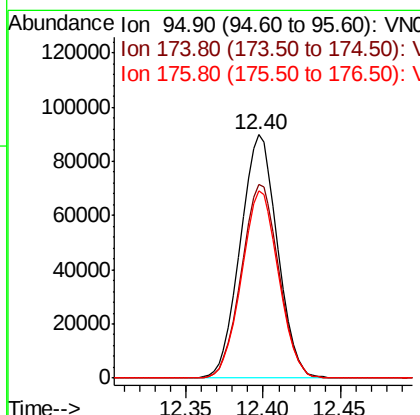
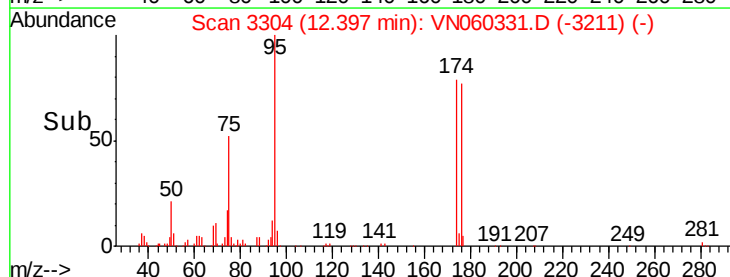
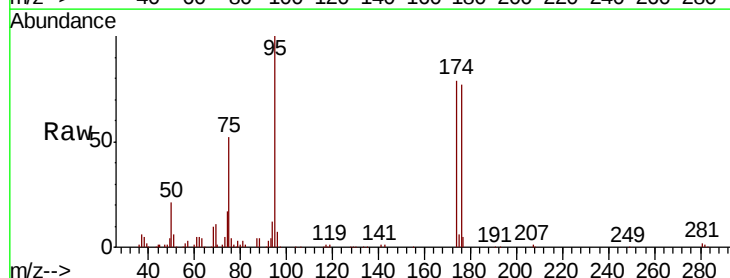
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 35131
Ion Ratio Lower Upper
43 100
58 19.2 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.900 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060331.D
Acq: 3 Mar 2020 15:49

Tgt Ion: 95 Resp: 149747
Ion Ratio Lower Upper
95 100
174 80.3 0.0 159.2
176 77.0 0.0 153.8

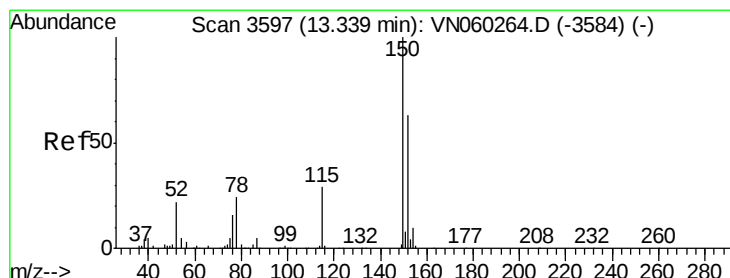
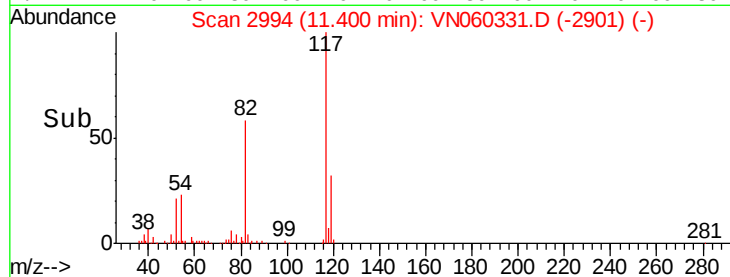
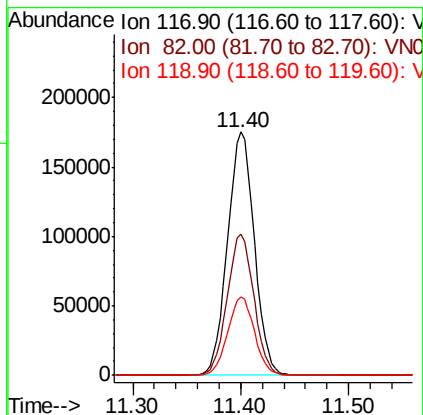
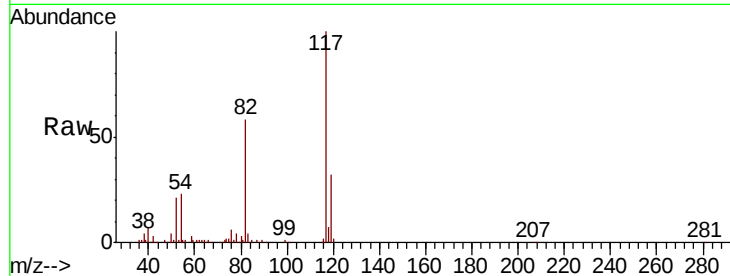




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060331.D
Acq: 3 Mar 2020 15:49

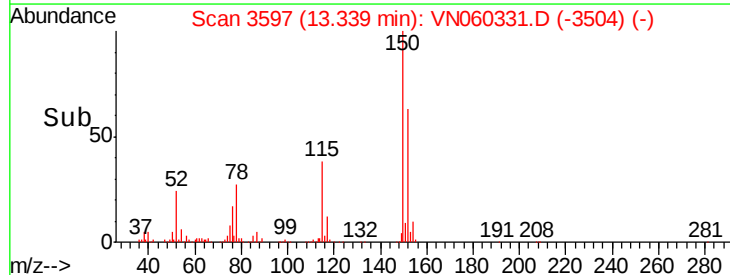
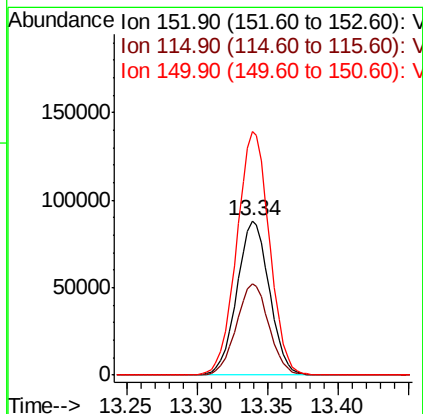
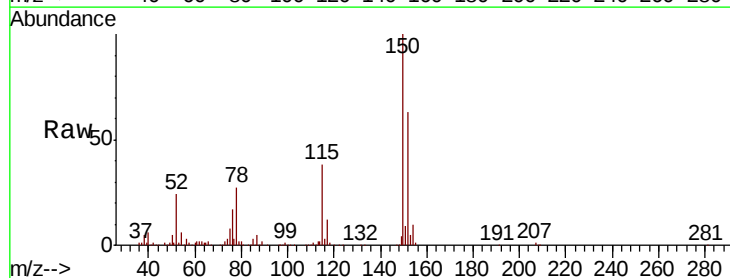
Instrument :
MSVOA_N
ClientSampled :

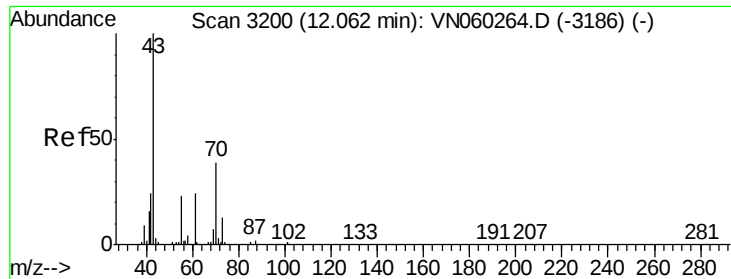
Tot Ion:117 Resp: 304035
Ion Ratio Lower Upper
117 100
82 58.0 45.8 68.6
119 32.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060331.D
Acq: 3 Mar 2020 15:49

Tgt Ion:152 Resp: 142229
Ion Ratio Lower Upper
152 100
115 59.5 30.0 90.0
150 159.2 0.0 349.6





#74

N-amvl acetate

Concen: 0.631 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060331.D

Acq: 3 Mar 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2908

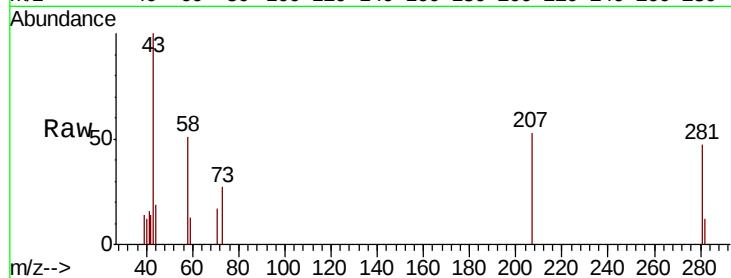
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#



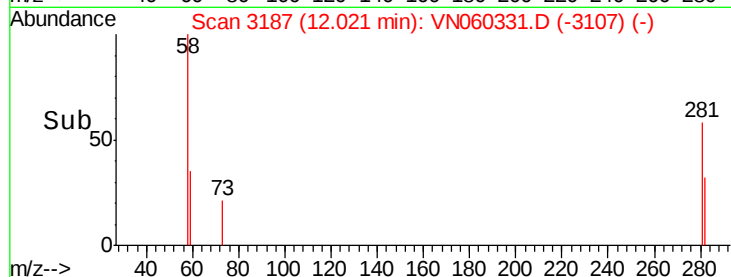
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

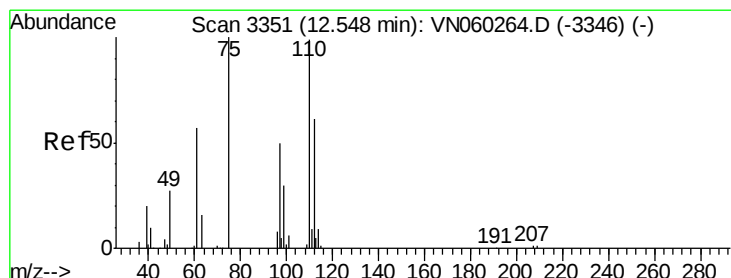
Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 24.759 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060331.D

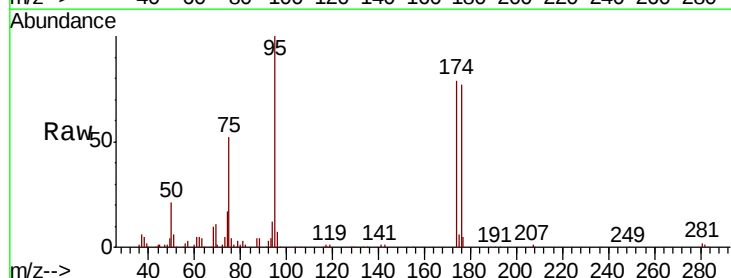
Acq: 3 Mar 2020 15:49

Tgt Ion: 75 Resp: 77260

Ion Ratio Lower Upper

75 100

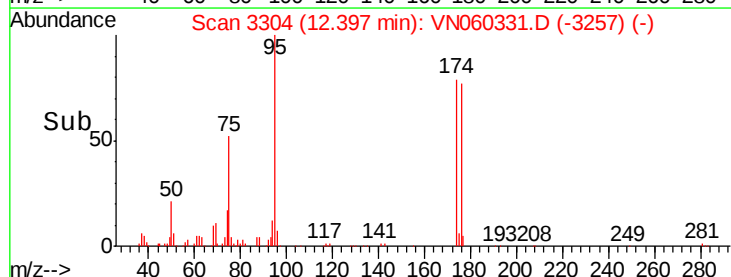
77 1.1 0.0 0.0#



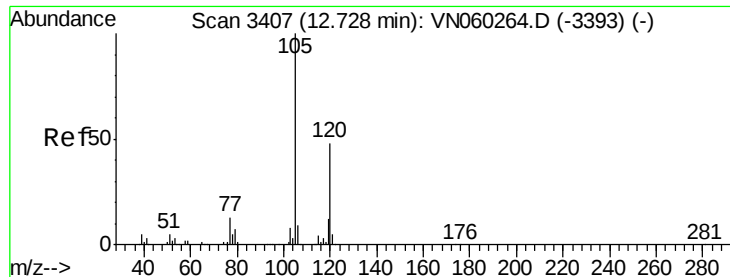
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

Time-->



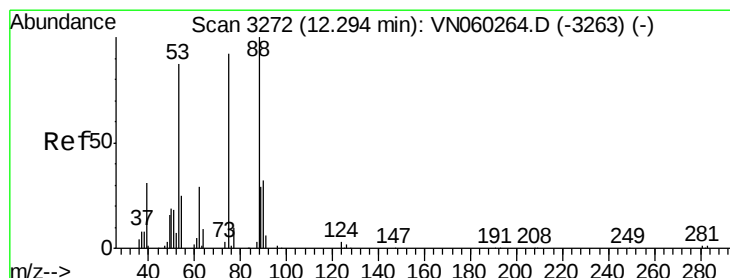
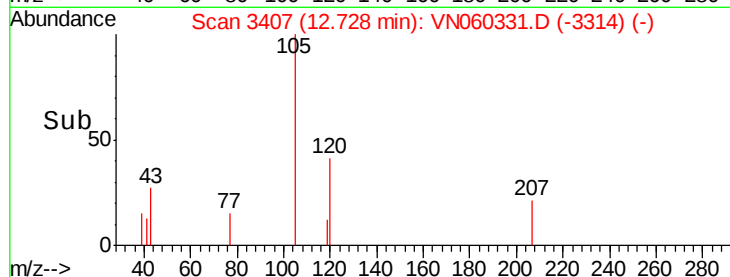
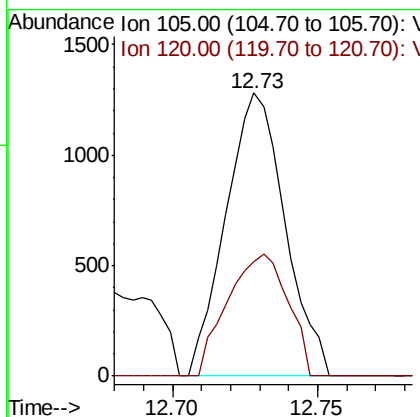
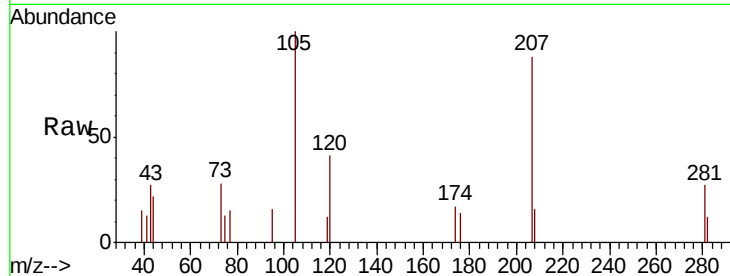
Time-->



#80
 1,3,5-Trimethylbenzene
 Concen: 0.205 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060331.D
 Acq: 3 Mar 2020 15:49

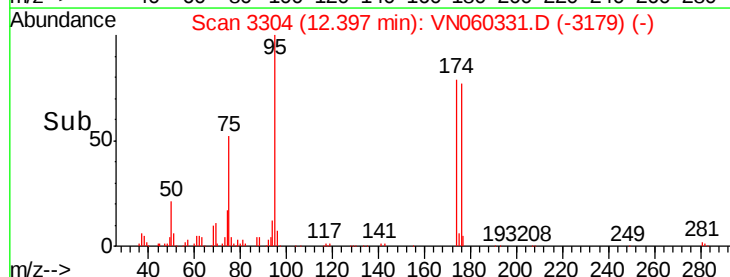
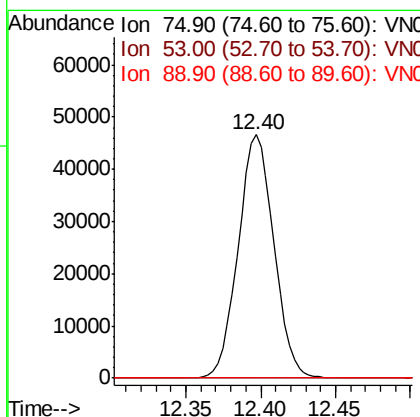
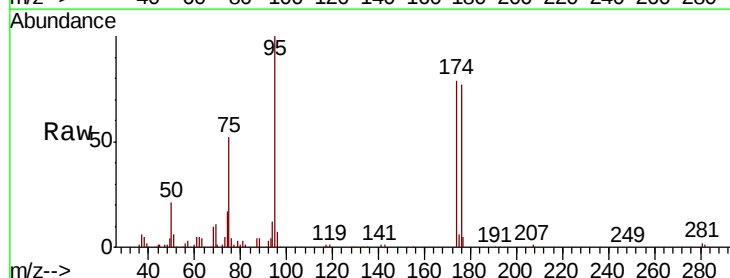
Instrument :
 MSVOA_N
 ClientSampled :

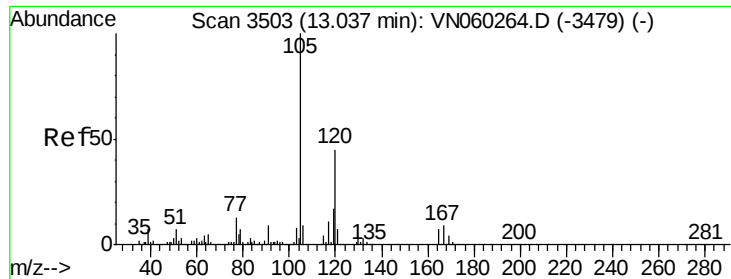
Tot Ion:105 Resp: 1820
 Ion Ratio Lower Upper
 105 100
 120 44.0 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.346 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060331.D
 Acq: 3 Mar 2020 15:49

Tgt Ion: 75 Resp: 77260
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 57.1 85.7#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.524 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060331.D
 Acq: 3 Mar 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:105 Resp: 4696
 Ion Ratio Lower Upper
 105 100
 120 42.3 22.3 66.9

