

Data File : VN060453.D
Acq On : 11 Mar 2020 16:20
Operator : JC/MD
Sample : L1871-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-17-DA

Quant Time: Mar 12 03:39:53 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	190739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137364	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	121976	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	7.56	113	92147	63.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.60%	
50) Toluene-d8	10.08	98	384927	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.40	95	142872	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	

Target Compounds

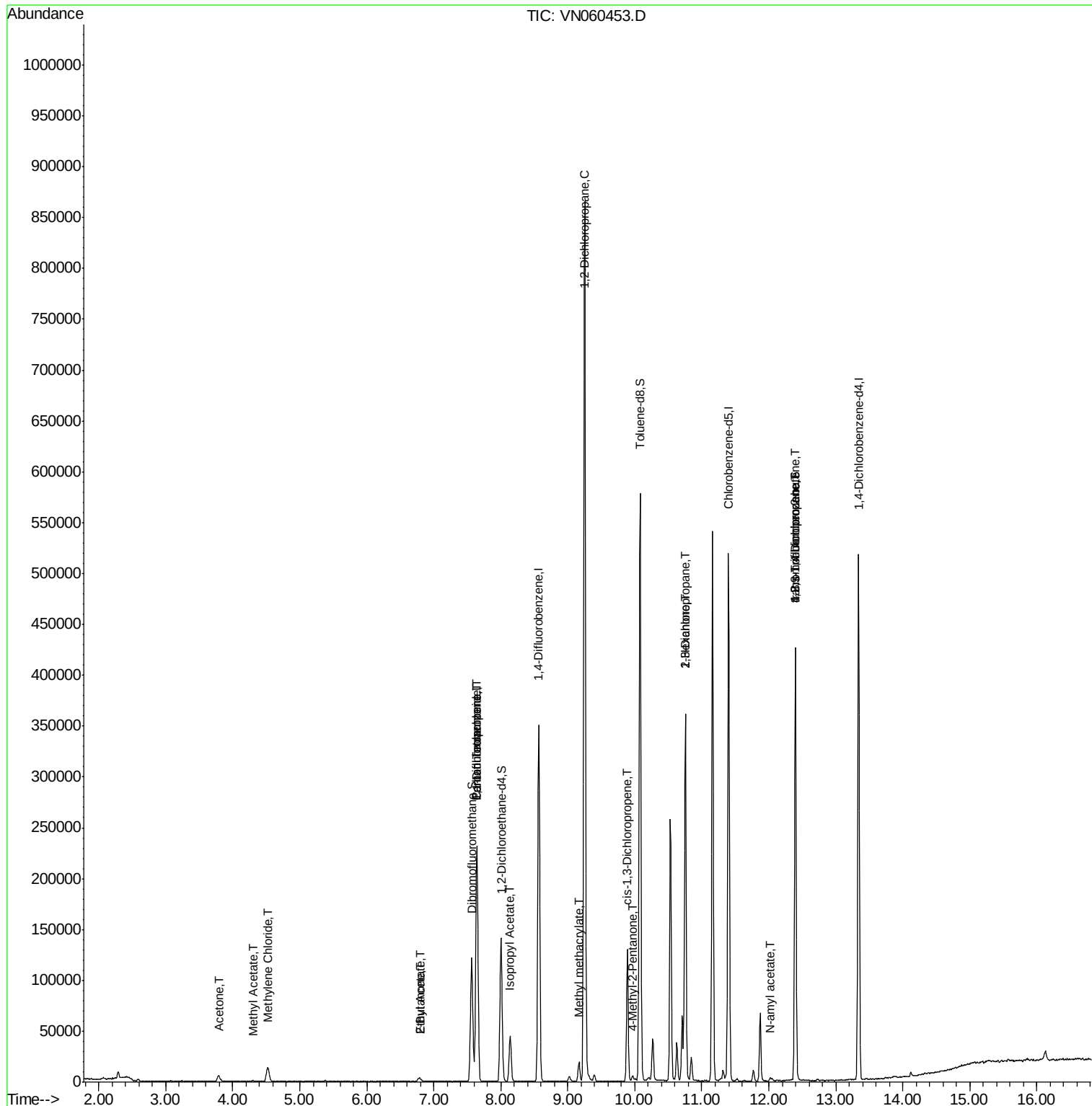
						Qvalue
16) Acetone	3.79	43	11254	14.241	ug/l	95
18) Methyl Acetate	4.30	43	1423	0.540	ug/l #	56
20) Methylene Chloride	4.53	84	10566	4.868	ug/l	97
25) 2-Butanone	6.81	43	3064	2.400	ug/l	95
31) Cyclohexane	7.64	56	3971	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14610	4.888	ug/l #	50
37) Ethyl Acetate	6.81	43	3064	1.083	ug/l #	68
38) Carbon Tetrachloride	7.64	117	17814	6.122	ug/l #	16
43) Isopropyl Acetate	8.14	43	53580	10.814	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	984	0.433	ug/l #	44
48) Methyl methacrylate	9.16	41	2767	1.225	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4203	1.496	ug/l	88
54) cis-1,3-Dichloropropene	9.89	75	23318	6.118	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3589	1.001	ug/l #	42
59) 2-Hexanone	10.75	43	53811	26.090	ug/l #	51
74) N-amyl acetate	12.02	43	3454	0.776	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	73078	24.248	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	73078	66.936	ug/l #	8
95) Naphthalene	15.13	128	133	Below Cal	#	69

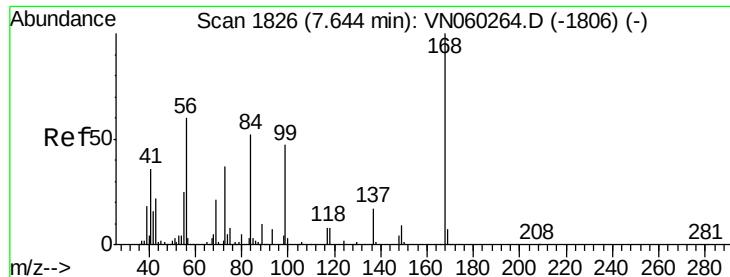
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060453.D

Acq: 11 Mar 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

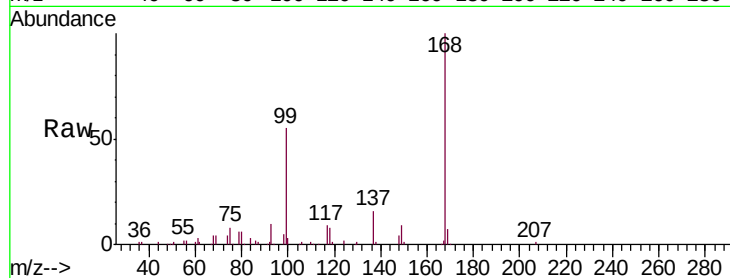
TP-17-DA

Tgt Ion:168 Resp: 190739

Ion Ratio Lower Upper

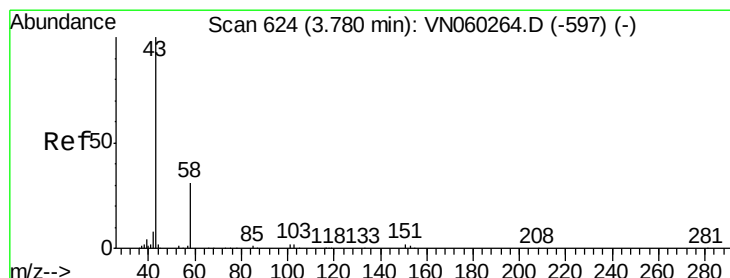
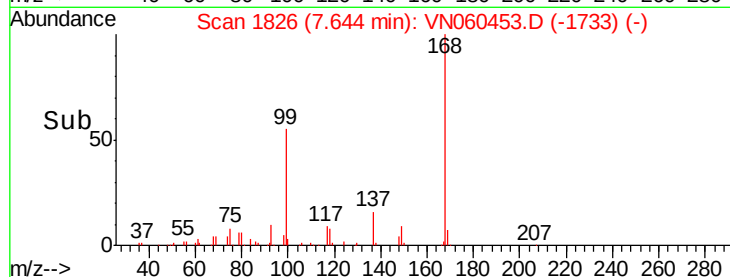
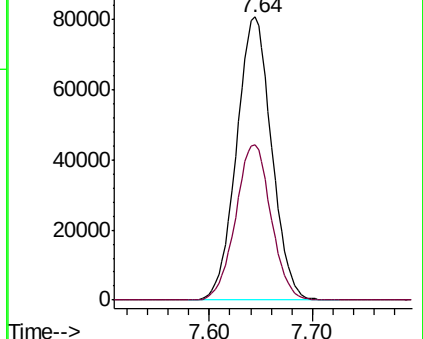
168 100

99 54.7 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: 14.241 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060453.D

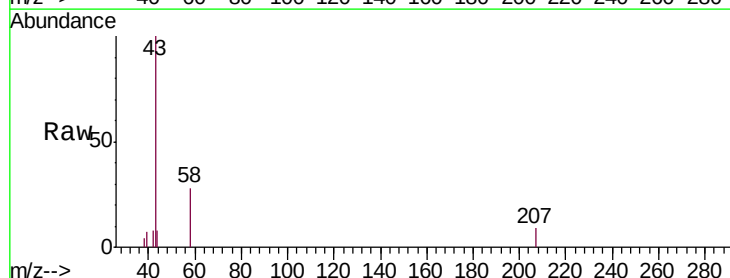
Acq: 11 Mar 2020 16:20

Tgt Ion: 43 Resp: 11254

Ion Ratio Lower Upper

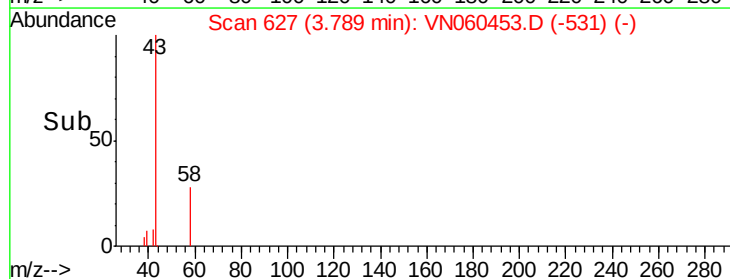
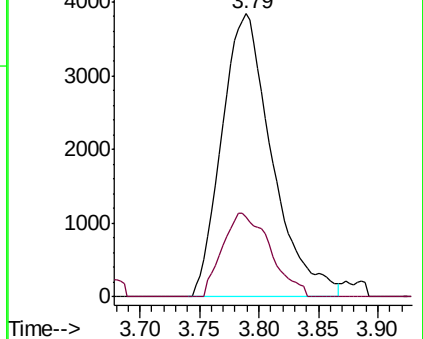
43 100

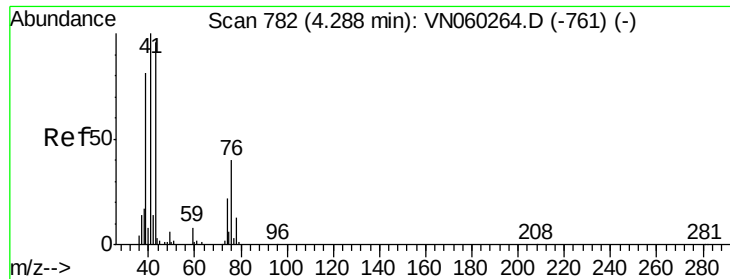
58 28.1 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

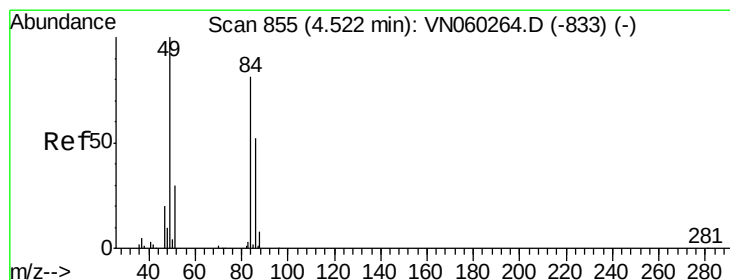
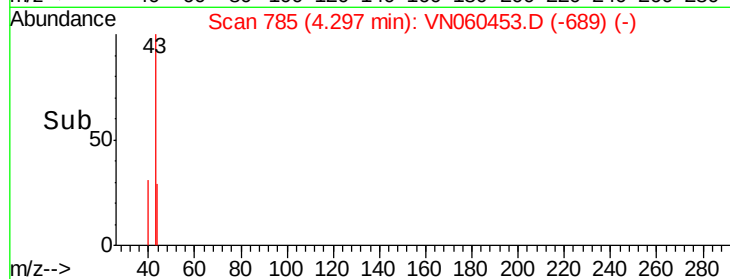
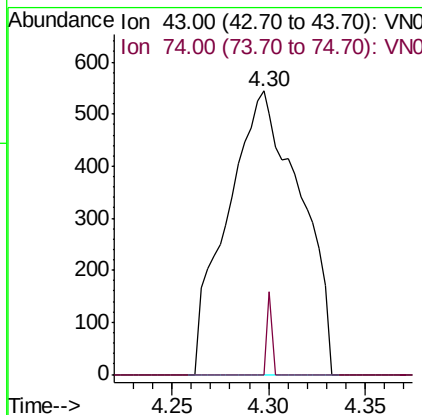
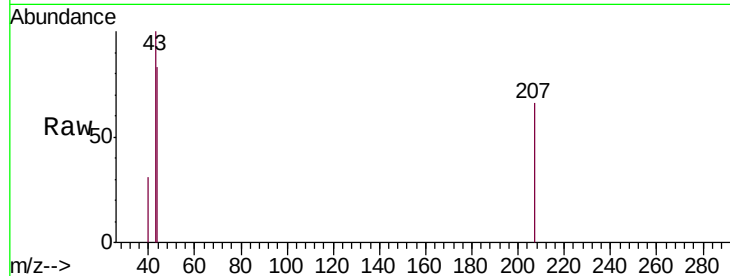




#18
Methyl Acetate
Concen: 0.540 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060453.D
Acq: 11 Mar 2020 16:20

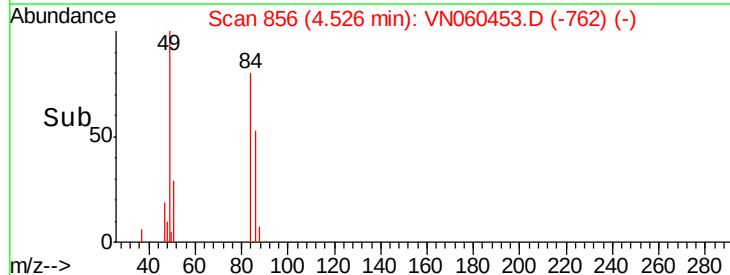
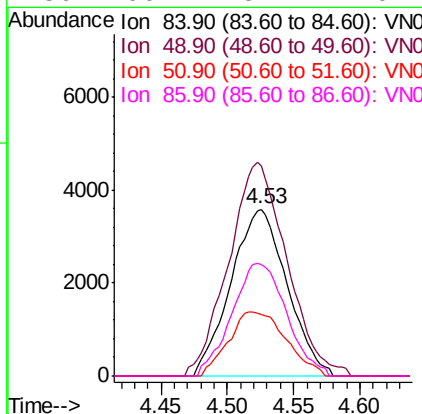
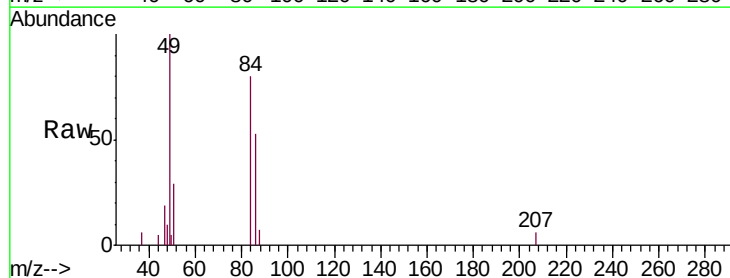
Instrument :
MSVOA_N
ClientSampleId :
TP-17-DA

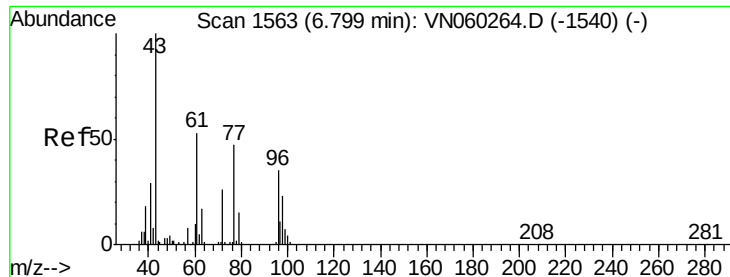
Tgt Ion: 43 Resp: 1423
Ion Ratio Lower Upper
43 100
74 2.1 18.8 28.2#



#20
Methylene Chloride
Concen: 4.868 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060453.D
Acq: 11 Mar 2020 16:20

Tgt Ion: 84 Resp: 10566
Ion Ratio Lower Upper
84 100
49 120.3 99.3 148.9
51 36.7 30.1 45.1
86 66.7 51.1 76.7

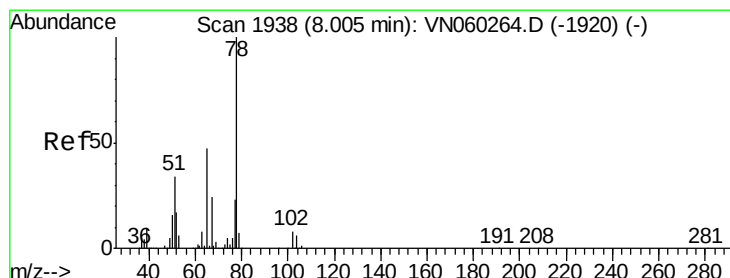
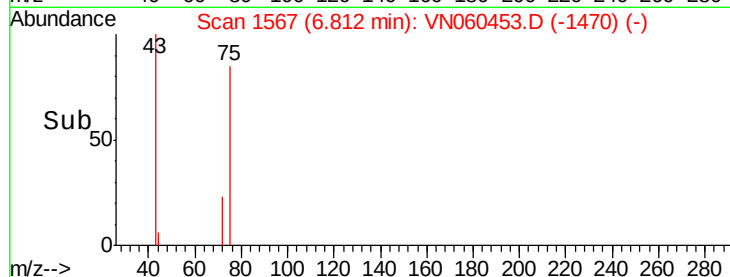
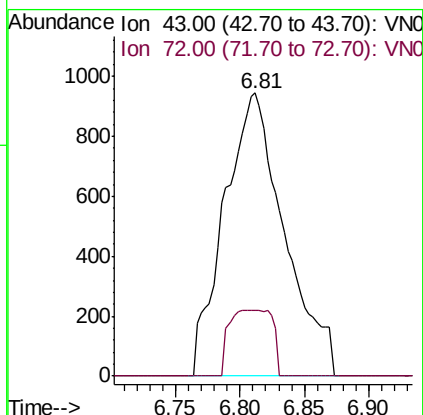
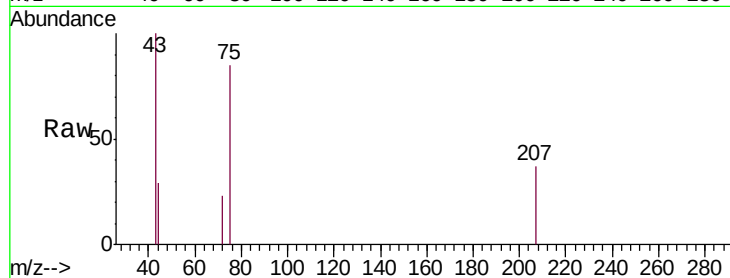




#25
 2-Butanone
 Concen: 2.400 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN060453.D
 Acq: 11 Mar 2020 16:20

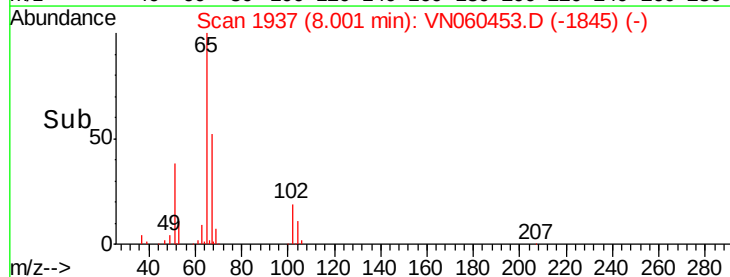
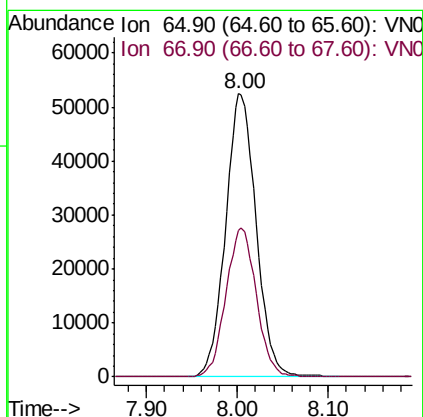
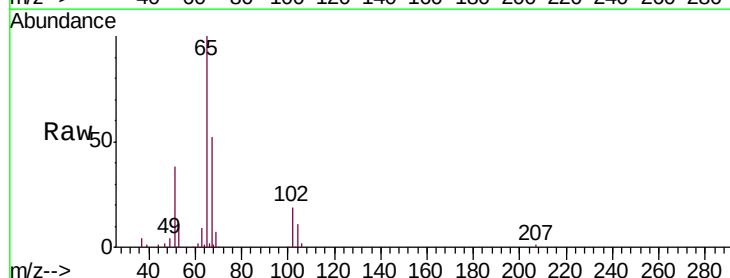
Instrument :
 MSVOA_N
 ClientSampled :
 TP-17-DA

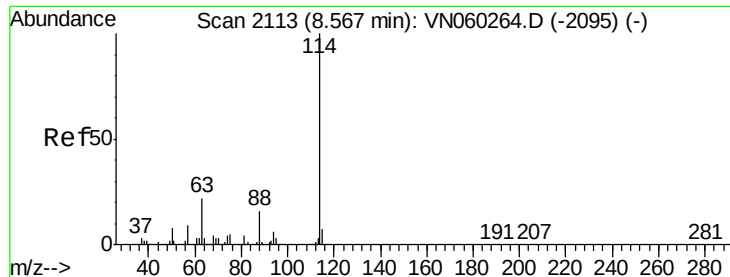
Tgt Ion: 43 Resp: 3064
 Ion Ratio Lower Upper
 43 100
 72 23.4 20.9 31.3



#33
 1,2-Dichloroethane-d4
 Concen: 49.843 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060453.D
 Acq: 11 Mar 2020 16:20

Tgt Ion: 65 Resp: 121976
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.8

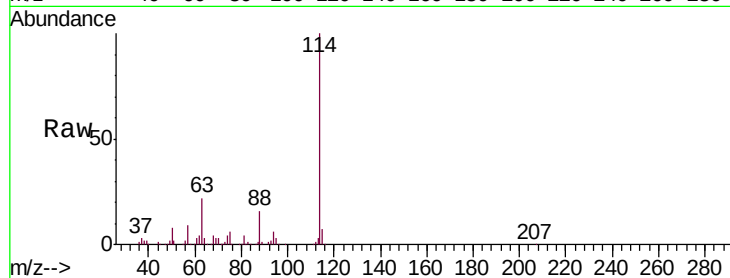




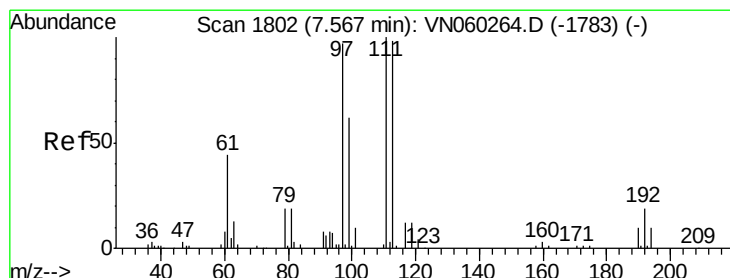
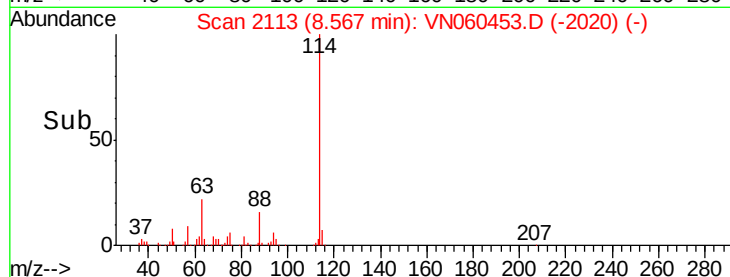
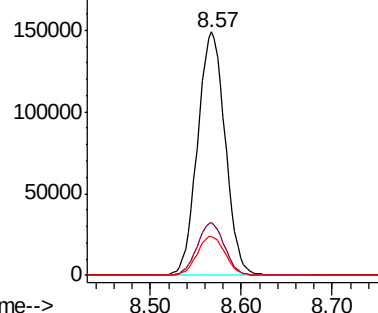
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060453.D
 Acq: 11 Mar 2020 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-17-DA

Tgt Ion:114 Resp: 313612
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 15.9 0.0 31.6

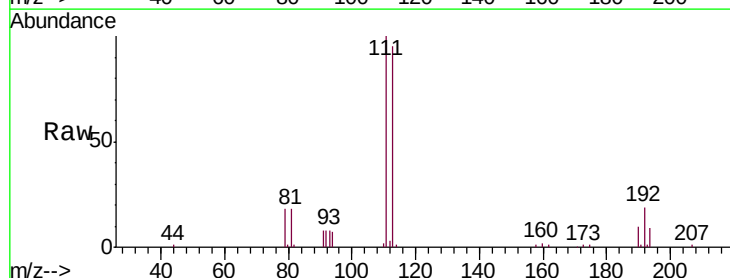


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

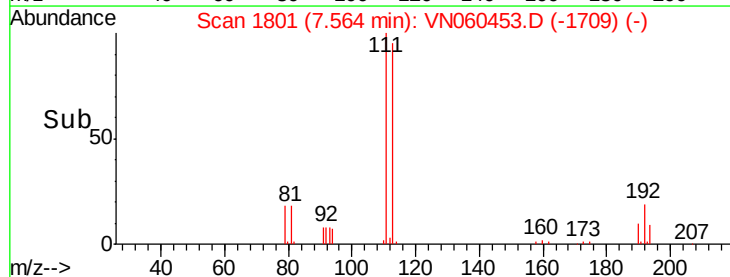
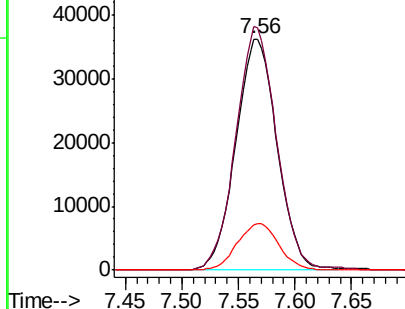


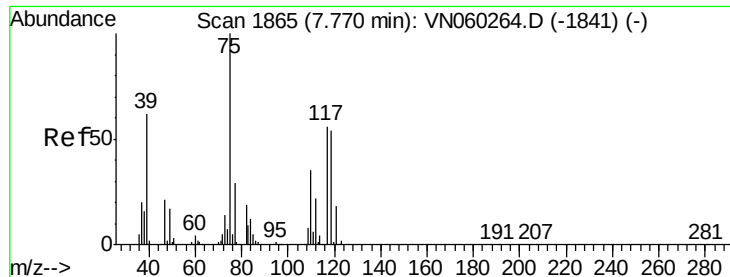
#35
 Dibromofluoromethane
 Concen: 63.301 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060453.D
 Acq: 11 Mar 2020 16:20

Tgt Ion:113 Resp: 92147
 Ion Ratio Lower Upper
 113 100
 111 103.9 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: 4.888 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060453.D

Acq: 11 Mar 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

TP-17-DA

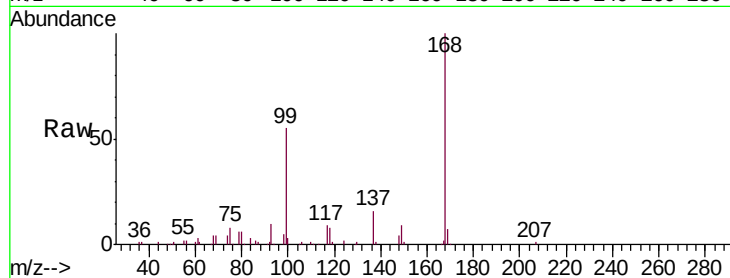
Tgt Ion: 75 Resp: 14610

Ion Ratio Lower Upper

75 100

110 8.2 17.3 52.0#

77 0.0 24.2 36.2#

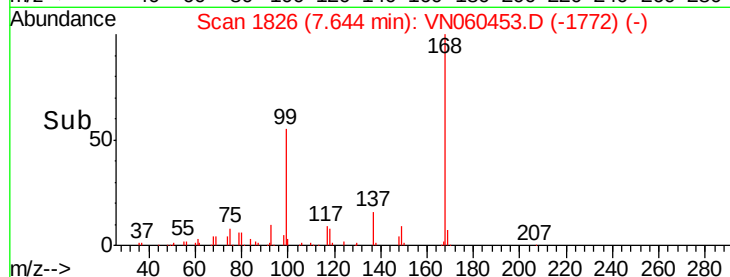


Abundance Ion 74.90 (74.60 to 75.60): VN060264.D (-1841) (-)

Ion 109.90 (109.60 to 110.60): VN060264.D (-1841) (-)

Ion 76.90 (76.60 to 77.60): VN060264.D (-1841) (-)

Time-->

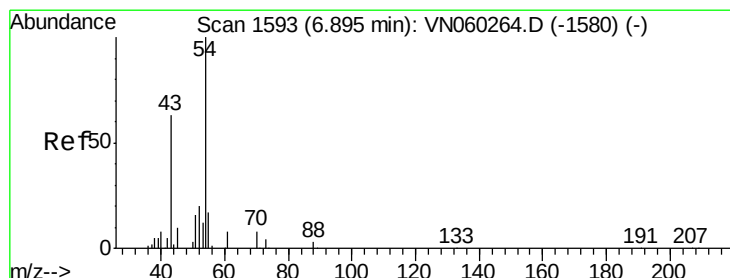


Abundance Ion 74.90 (74.60 to 75.60): VN060453.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060453.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060453.D (-1772) (-)

Time-->



#37

Ethyl Acetate

Concen: 1.083 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.08 min

Lab File: VN060453.D

Acq: 11 Mar 2020 16:20

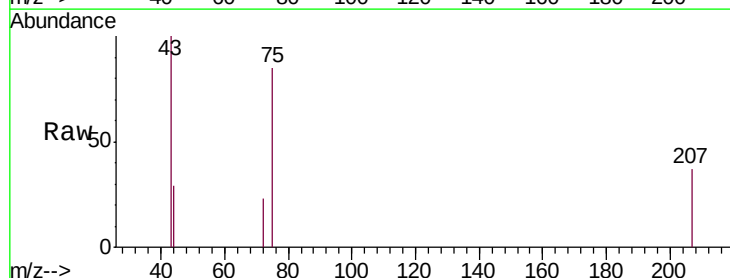
Tgt Ion: 43 Resp: 3064

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#

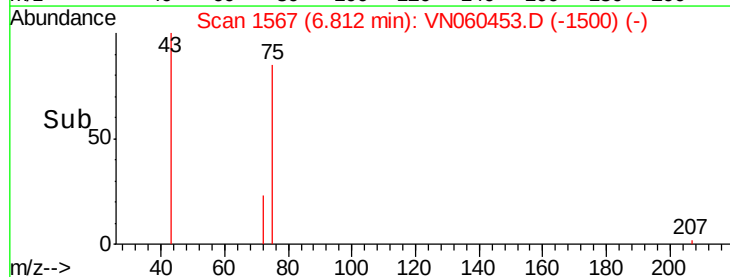


Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1580) (-)

Ion 60.90 (60.60 to 61.60): VN060264.D (-1580) (-)

Ion 70.00 (69.70 to 70.70): VN060264.D (-1580) (-)

Time-->

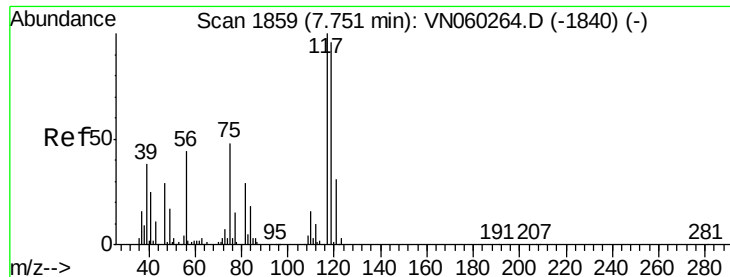


Abundance Ion 43.00 (42.70 to 43.70): VN060453.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060453.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060453.D (-1500) (-)

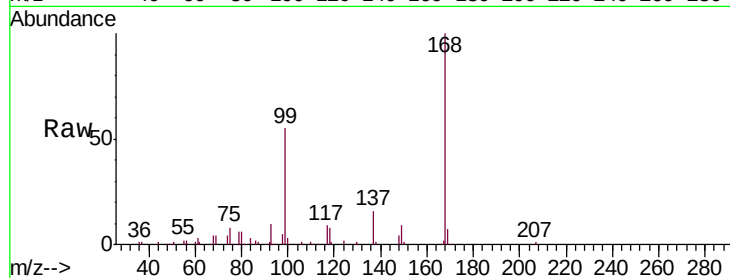
Time-->



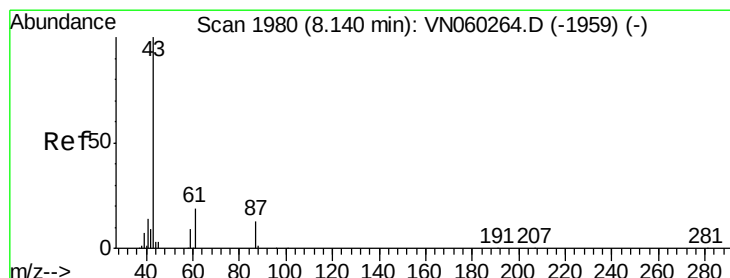
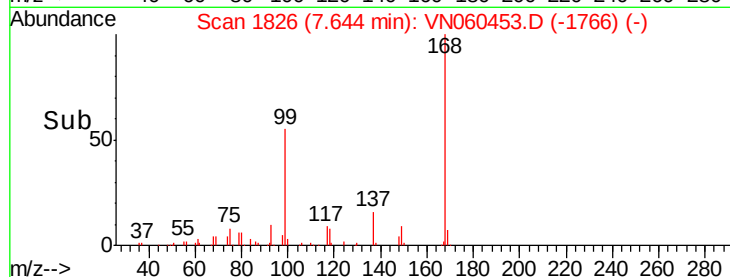
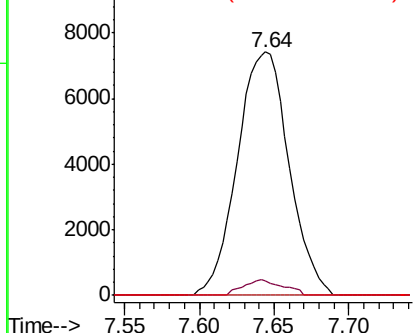
#38
Carbon Tetrachloride
Concen: 6.122 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060453.D
Acq: 11 Mar 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
TP-17-DA

Tgt Ion: 117 Resp: 17814
Ion Ratio Lower Upper
117 100
119 5.7 76.7 115.1#
121 0.0 24.5 36.7#

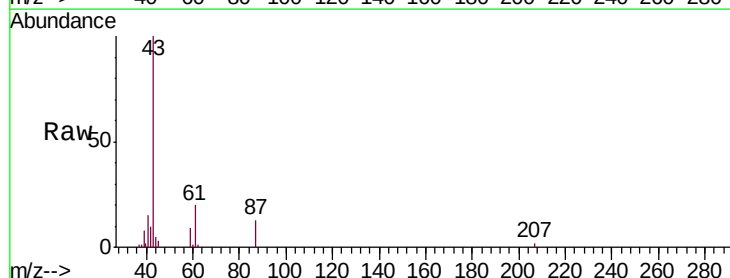


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

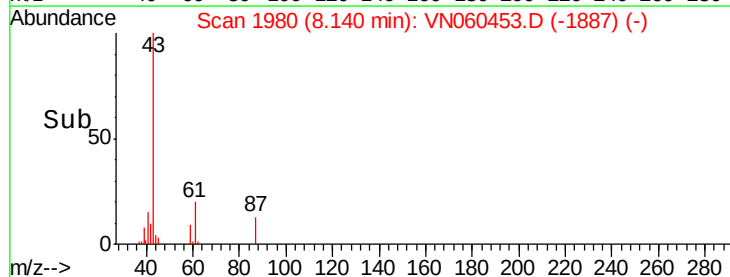
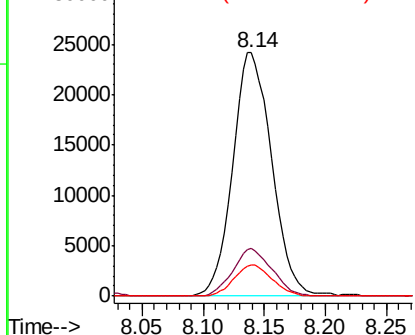


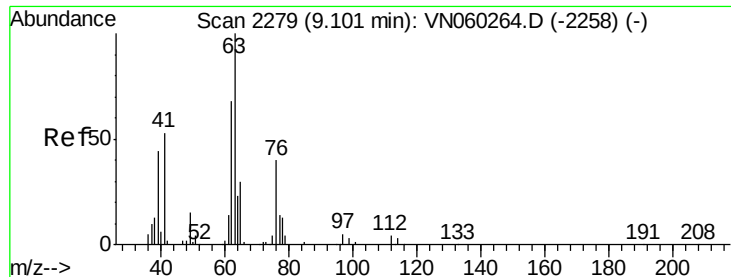
#43
Isopropyl Acetate
Concen: 10.814 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060453.D
Acq: 11 Mar 2020 16:20

Tgt Ion: 43 Resp: 53580
Ion Ratio Lower Upper
43 100
61 19.4 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

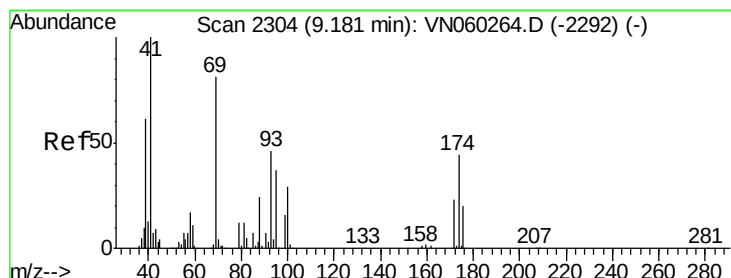
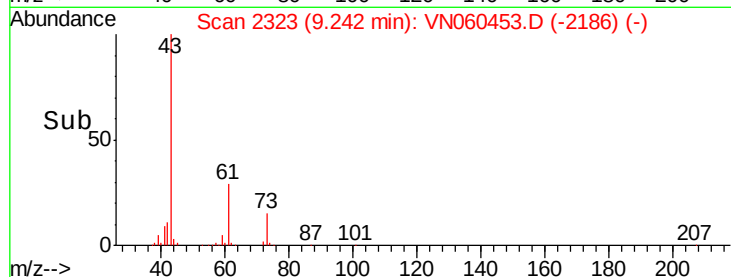
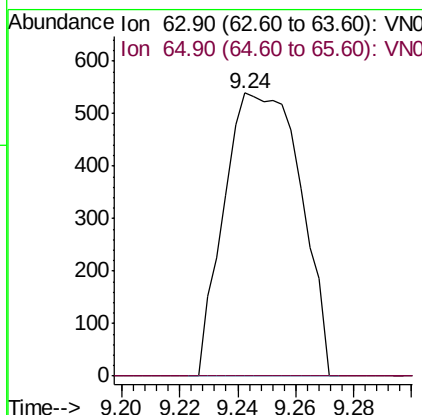
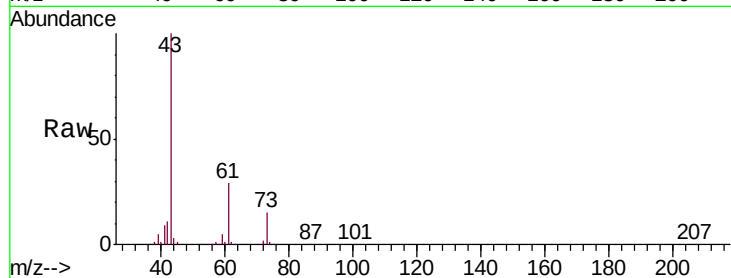




#45
 1,2-Dichloropropane
 Concen: 0.433 ug/l
 RT: 9.24 min Scan# 2323
 Delta R.T. 0.14 min
 Lab File: VN060453.D
 Acq: 11 Mar 2020 16:20

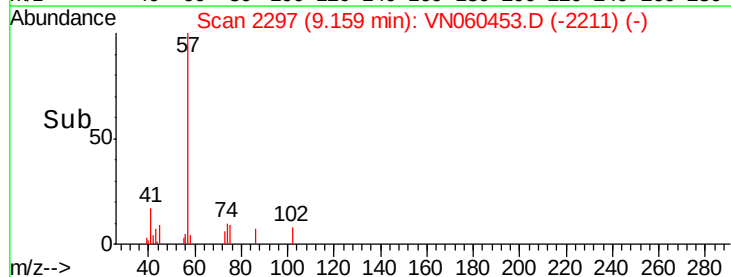
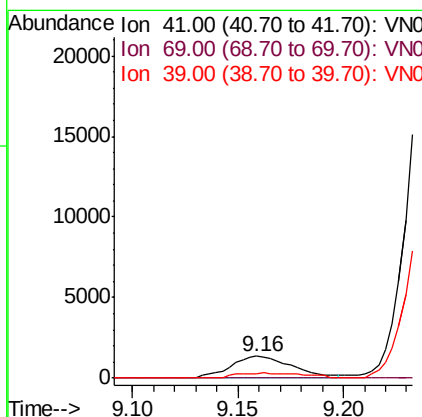
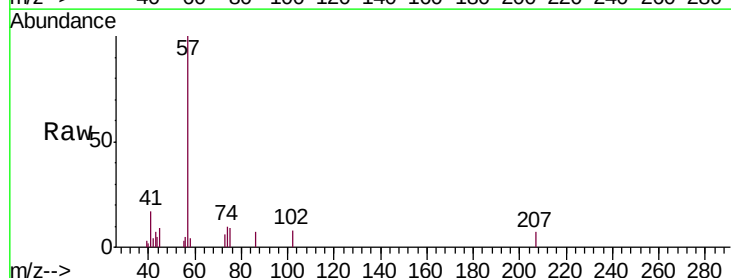
Instrument :
 MSVOA_N
 ClientSampled :
 TP-17-DA

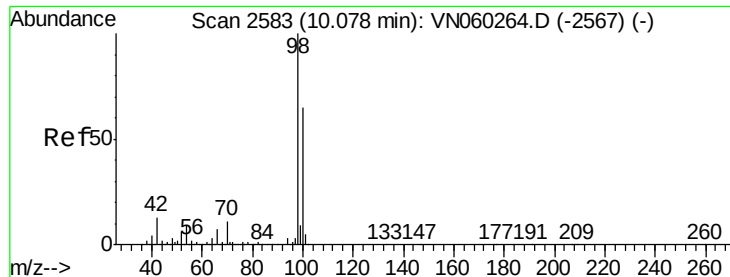
Tgt Ion: 63 Resp: 984
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.225 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060453.D
 Acq: 11 Mar 2020 16:20

Tgt Ion: 41 Resp: 2767
 Ion Ratio Lower Upper
 41 100
 69 0.0 66.7 100.1#
 39 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 52.247 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060453.D

Acq: 11 Mar 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

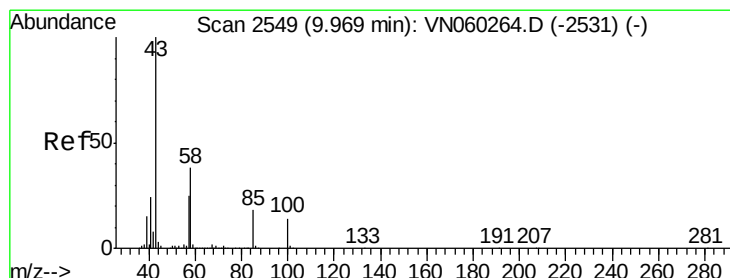
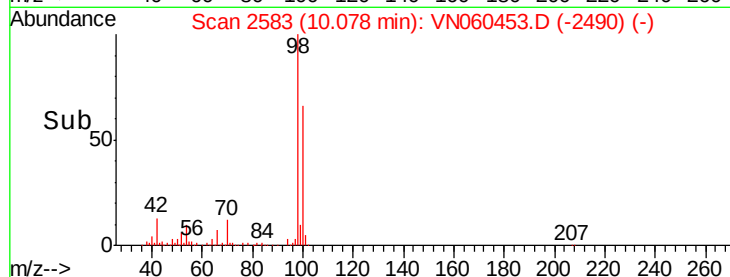
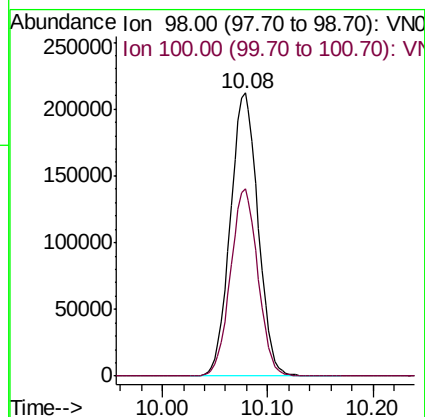
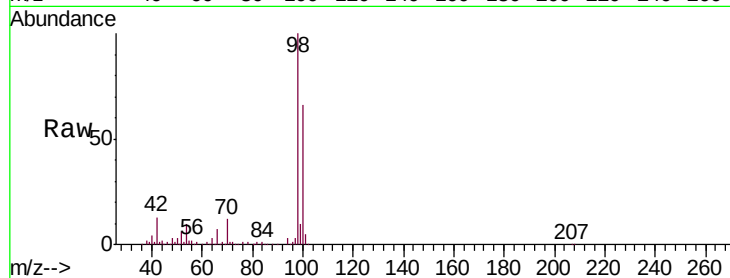
TP-17-DA

Tgt Ion: 98 Resp: 384927

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.496 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060453.D

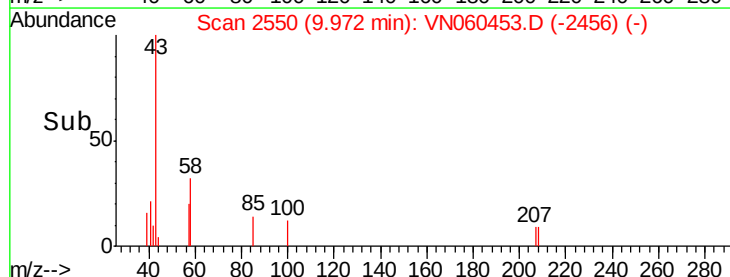
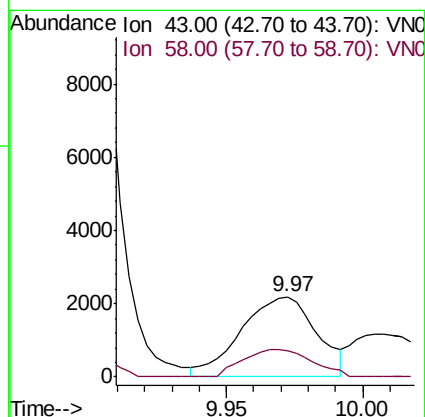
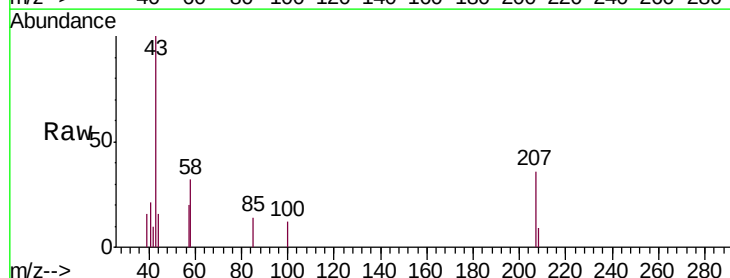
Acq: 11 Mar 2020 16:20

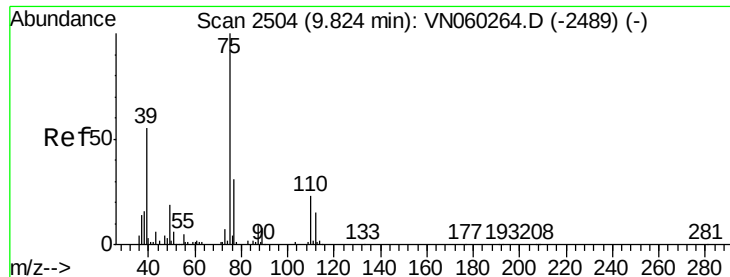
Tgt Ion: 43 Resp: 4203

Ion Ratio Lower Upper

43 100

58 31.1 30.9 46.3





#54

cis-1,3-Dichloropropene

Concen: 6.118 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060453.D

Acq: 11 Mar 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

TP-17-DA

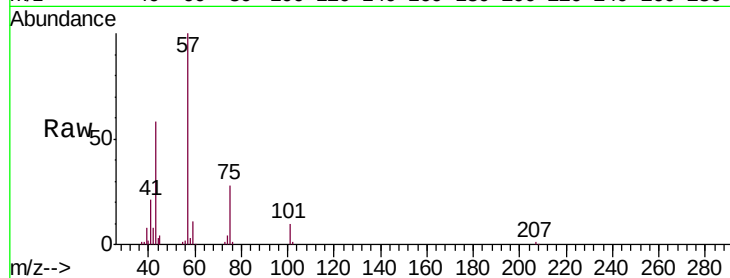
Tgt Ion: 75 Resp: 23318

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

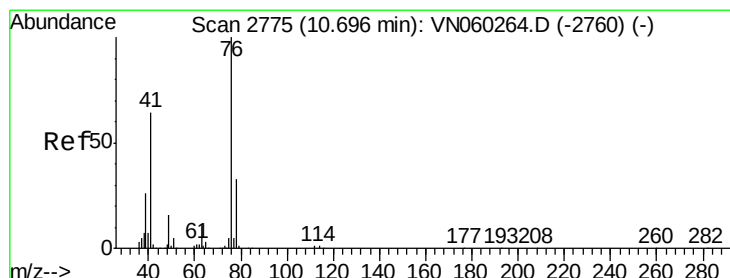
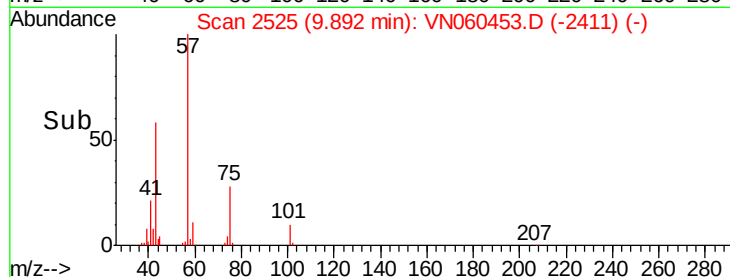
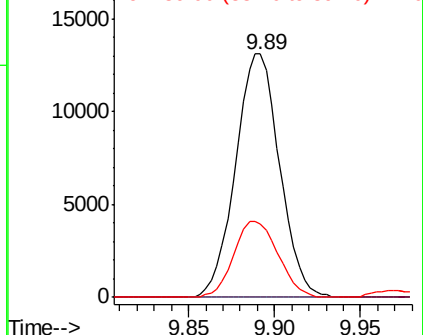
39 30.1 43.8 65.8#



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: 1.001 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060453.D

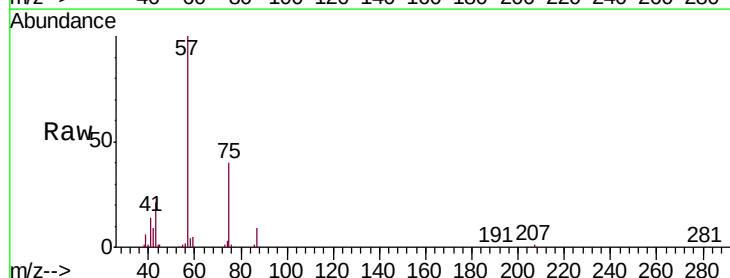
Acq: 11 Mar 2020 16:20

Tgt Ion: 76 Resp: 3589

Ion Ratio Lower Upper

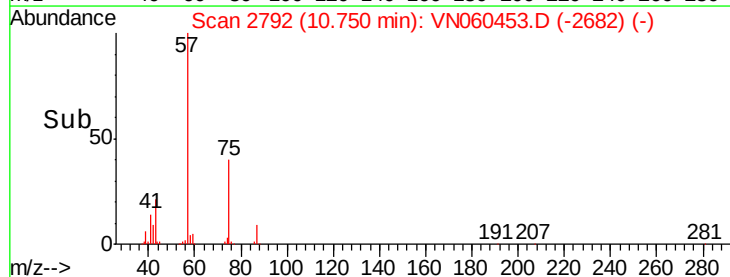
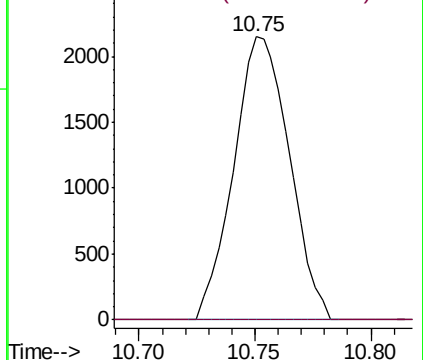
76 100

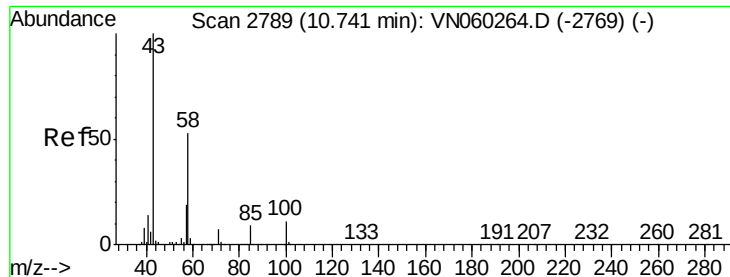
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

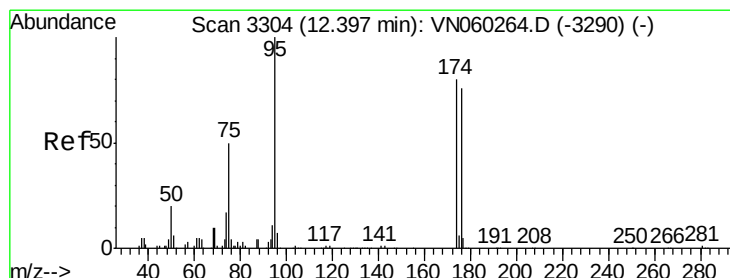
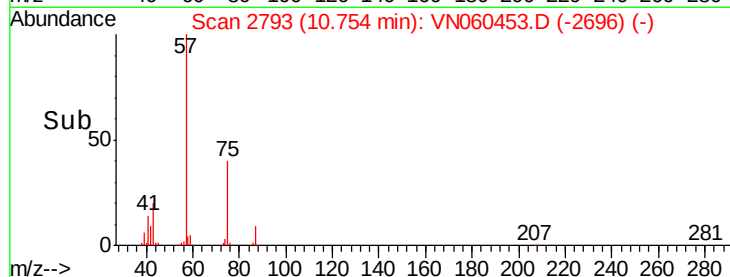
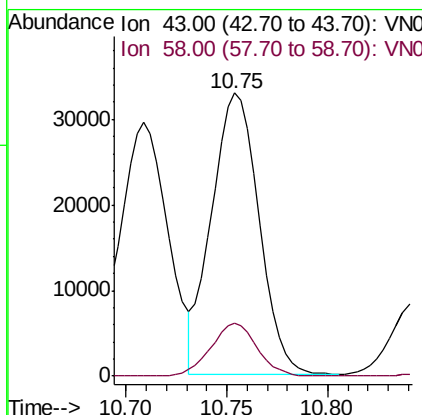
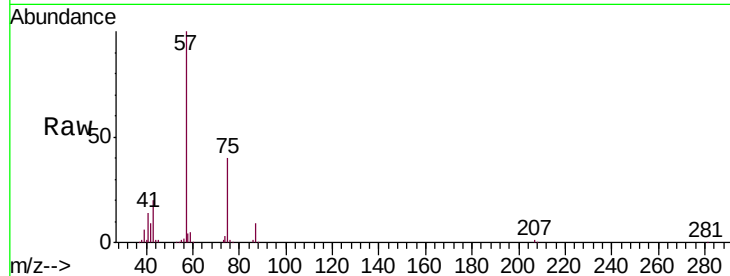




#59
2-Hexanone
Concen: 26.090 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060453.D
Acq: 11 Mar 2020 16:20

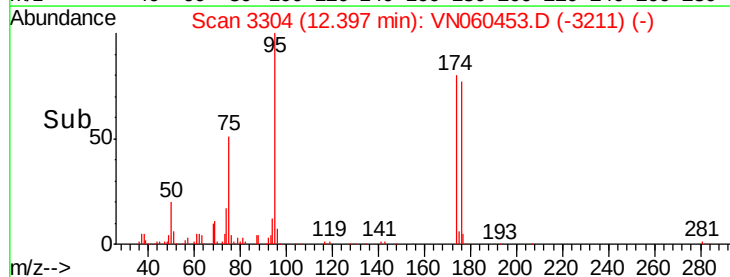
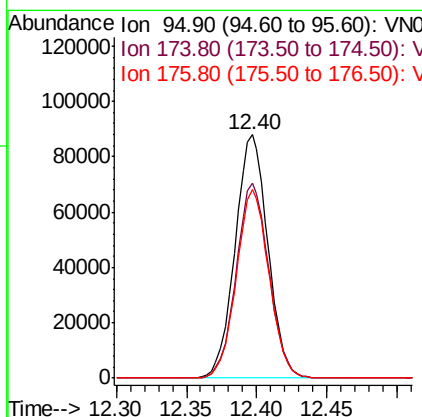
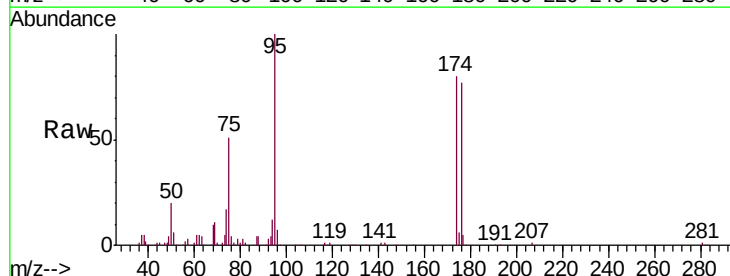
Instrument :
MSVOA_N
ClientSampleId :
TP-17-DA

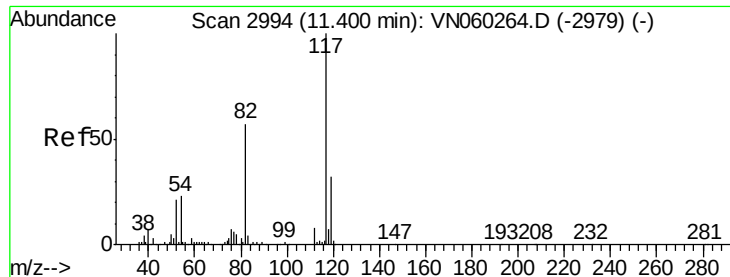
Tgt Ion: 43 Resp: 53811
Ion Ratio Lower Upper
43 100
58 18.2 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.157 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060453.D
Acq: 11 Mar 2020 16:20

Tgt Ion: 95 Resp: 142872
Ion Ratio Lower Upper
95 100
174 80.3 0.0 159.2
176 77.3 0.0 153.8

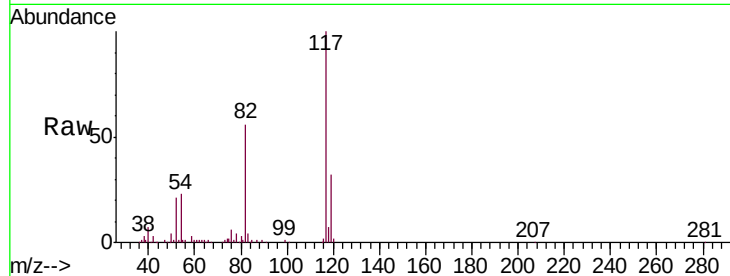




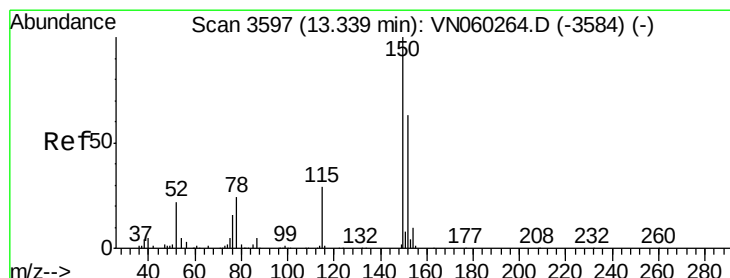
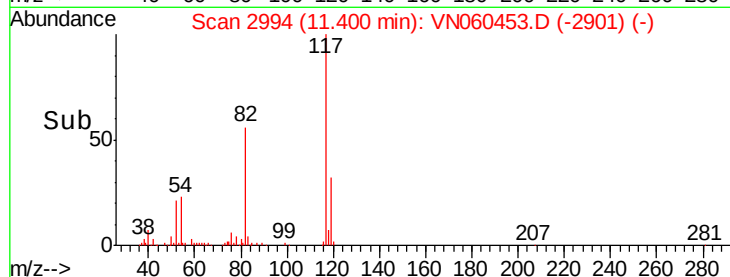
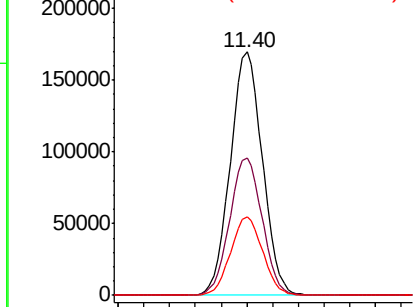
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060453.D
Acq: 11 Mar 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
TP-17-DA

Tgt Ion:117 Resp: 293516
Ion Ratio Lower Upper
117 100
82 56.4 45.8 68.6
119 32.1 25.8 38.8

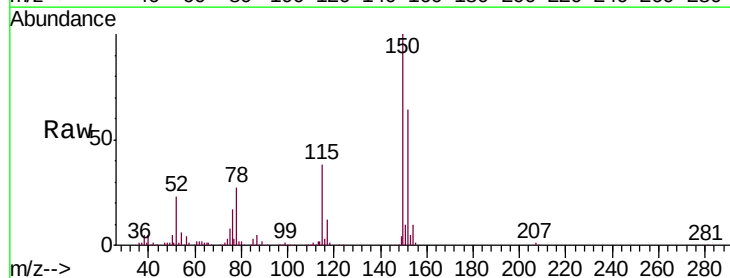


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

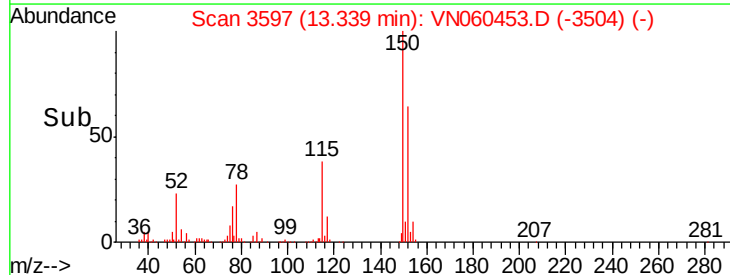
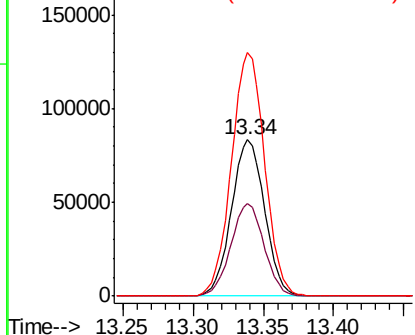


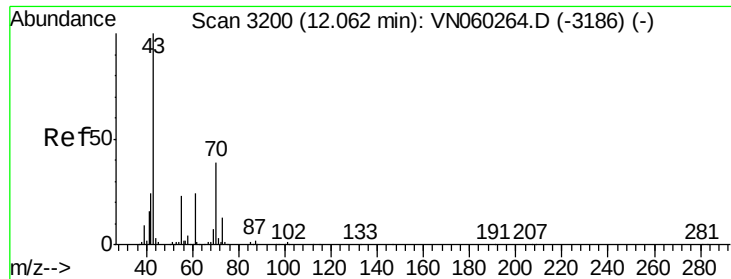
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060453.D
Acq: 11 Mar 2020 16:20

Tgt Ion:152 Resp: 137364
Ion Ratio Lower Upper
152 100
115 59.0 30.0 90.0
150 156.0 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

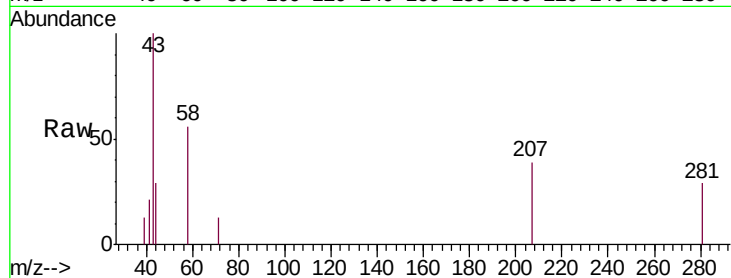




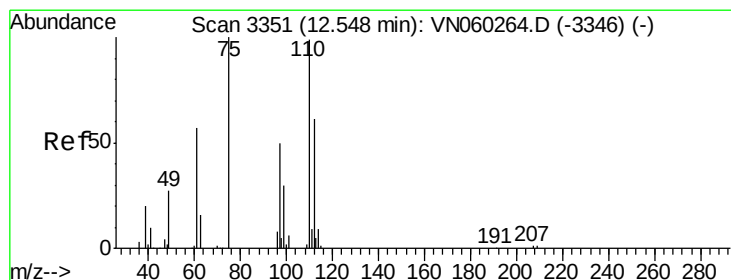
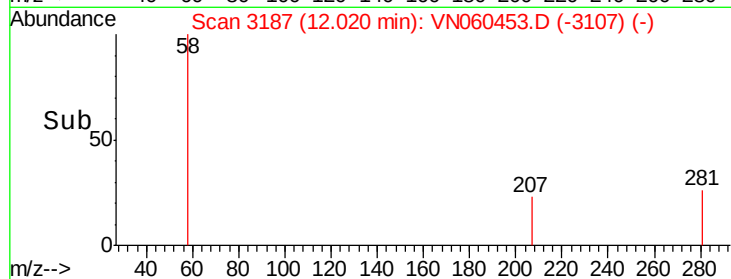
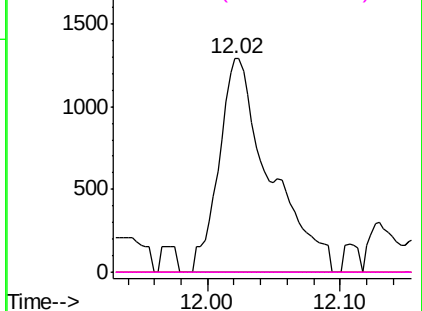
#74
N-ethyl acetate
Concen: 0.776 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060453.D
Acq: 11 Mar 2020 16:20

Instrument :
MSVOA_N
ClientSampleId :
TP-17-DA

Tgt Ion:	43	Resp:	3454
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#

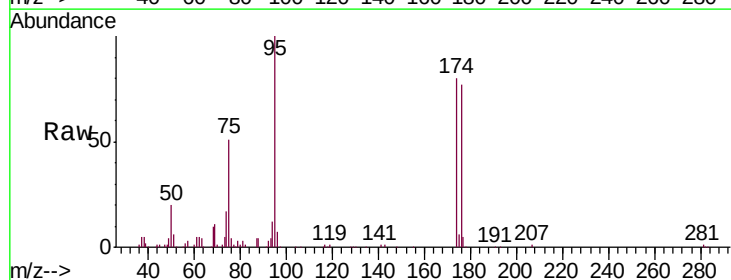


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 70.00 (69.70 to 70.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 61.00 (60.70 to 61.70): VN0

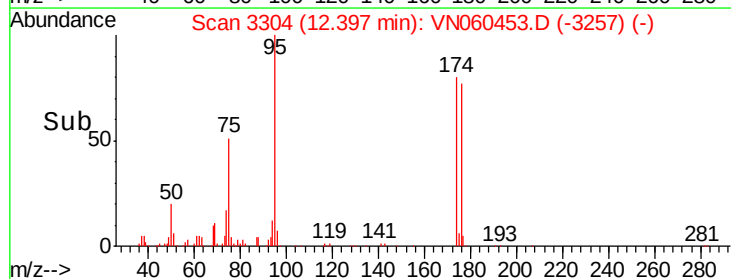
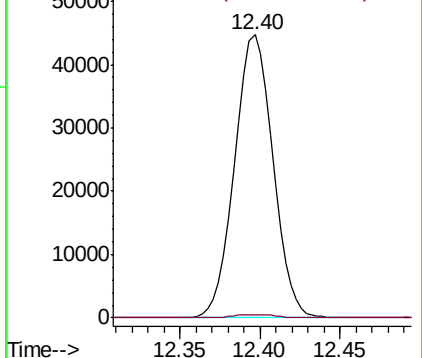


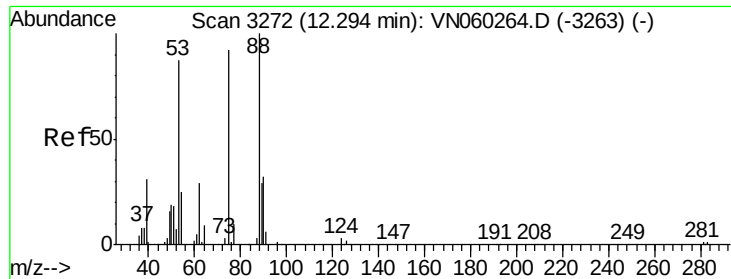
#76
1,2,3-Trichloropropane
Concen: 24.248 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060453.D
Acq: 11 Mar 2020 16:20

Tgt Ion:	75	Resp:	73078
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0

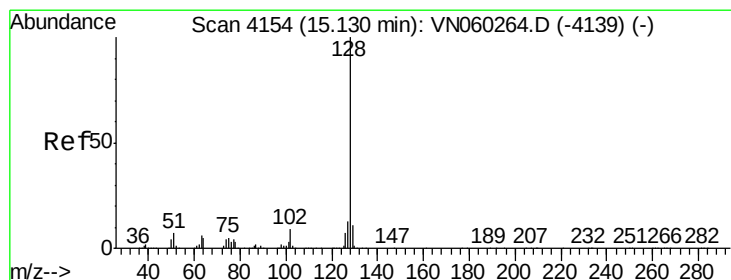
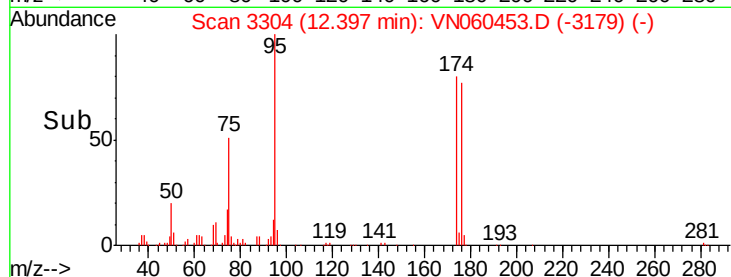
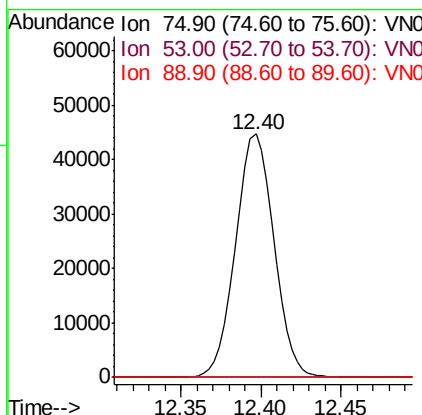
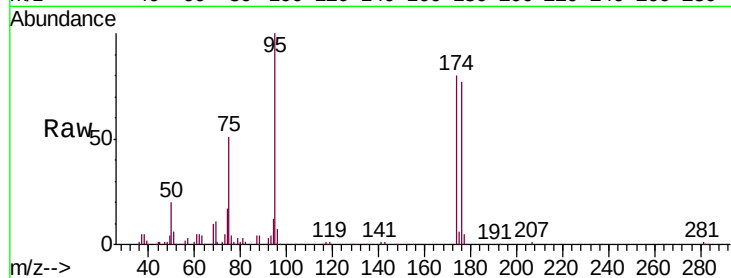




#81
trans-1,4-Dichloro-2-butene
Concen: 66.936 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060453.D
Acq: 11 Mar 2020 16:20

Instrument :
MSVOA_N
ClientSampled :
TP-17-DA

Tgt Ion: 75 Resp: 73078
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN060453.D
Acq: 11 Mar 2020 16:20

Tgt Ion: 128 Resp: 133
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

