

Data File : VN060454.D
Acq On : 11 Mar 2020 16:42
Operator : JC/MD
Sample : L1871-12
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-18-SA

Quant Time: Mar 12 03:40:14 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	196360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320745	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138695	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	125730	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	7.56	113	95597	64.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.42%	
50) Toluene-d8	10.08	98	398737	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.40	95	147002	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

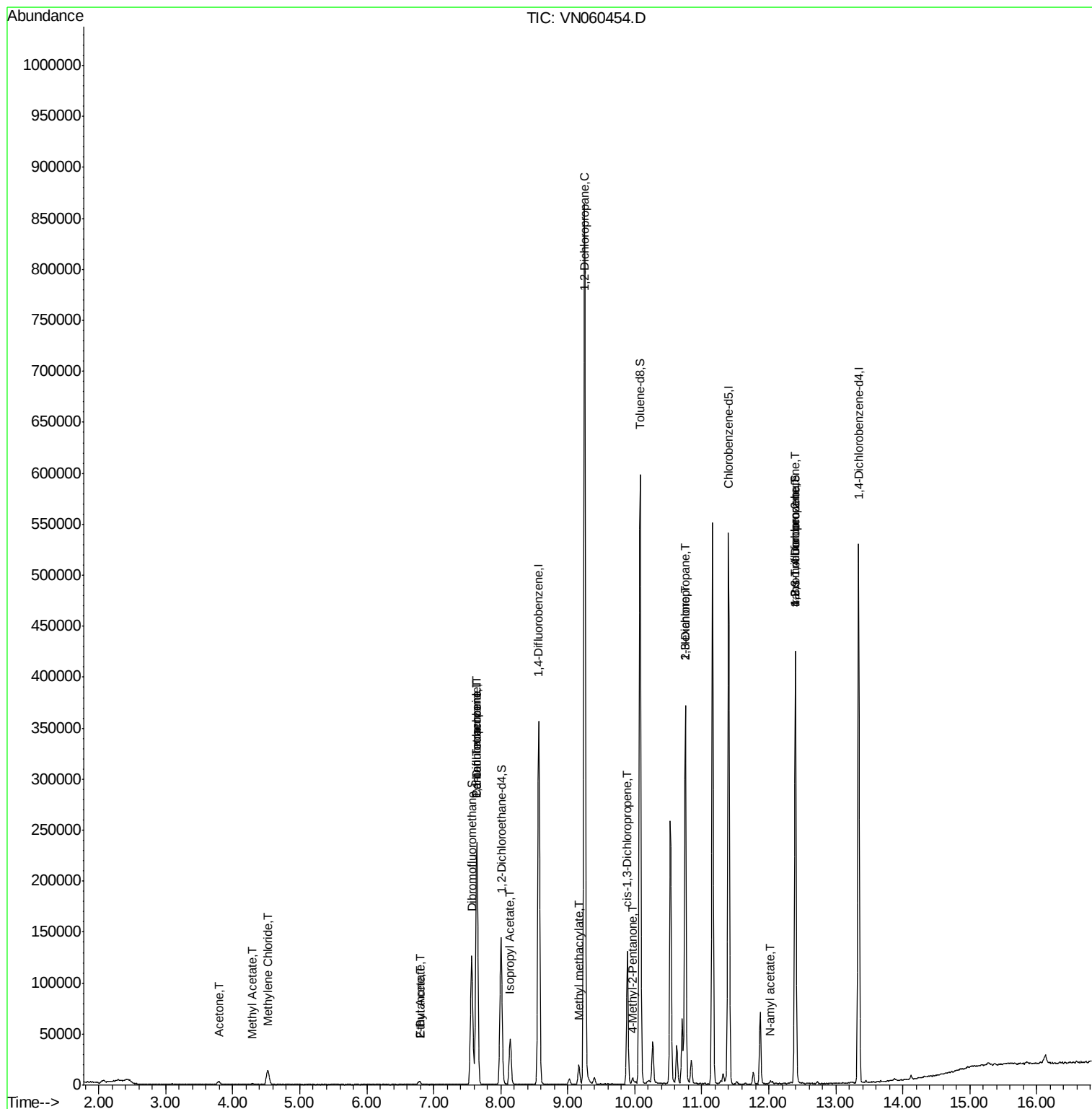
						Qvalue
16) Acetone	3.79	43	5713	7.022	ug/l	98
18) Methyl Acetate	4.29	43	623	0.229	ug/l #	52
20) Methylene Chloride	4.52	84	10359	4.636	ug/l	95
25) 2-Butanone	6.81	43	1158	0.881	ug/l #	49
31) Cyclohexane	7.64	56	4144	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15521	5.077	ug/l #	49
37) Ethyl Acetate	6.81	43	1158	0.400	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18142	6.096	ug/l #	16
43) Isopropyl Acetate	8.14	43	53945	10.646	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	904	0.389	ug/l #	44
48) Methyl methacrylate	9.16	41	2798	1.211	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4444	1.547	ug/l #	87
54) cis-1,3-Dichloropropene	9.89	75	22693	5.822	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3621	0.988	ug/l #	42
59) 2-Hexanone	10.75	43	54300	25.741	ug/l #	52
74) N-amyl acetate	12.02	43	2443	0.544	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	75613	24.848	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75613	68.593	ug/l #	8
95) Naphthalene	15.13	128	61	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# 1825

Delta R.T. -0.00 min

Lab File: VN060454.D

Acq: 11 Mar 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

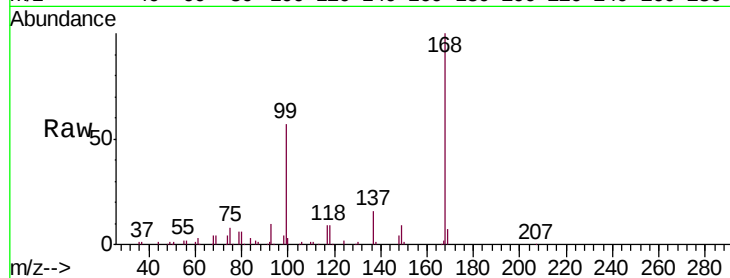
TP-18-SA

Tgt Ion:168 Resp: 196360

Ion Ratio Lower Upper

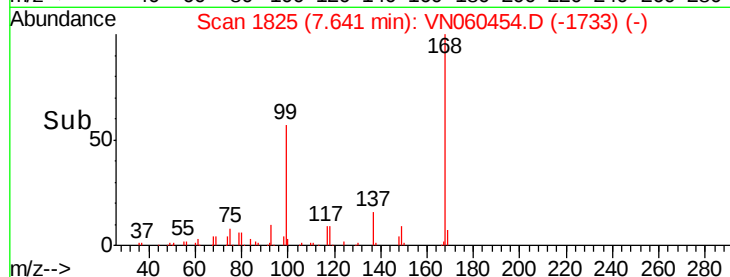
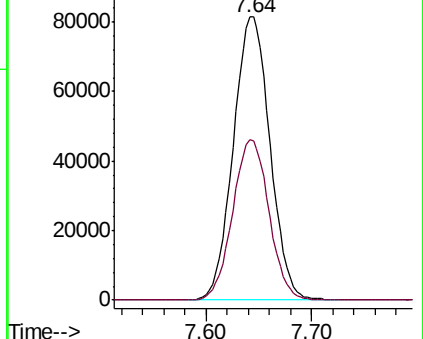
168 100

99 56.7 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: 7.022 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060454.D

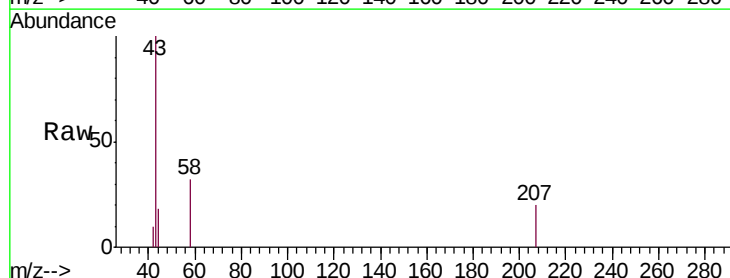
Acq: 11 Mar 2020 16:42

Tgt Ion: 43 Resp: 5713

Ion Ratio Lower Upper

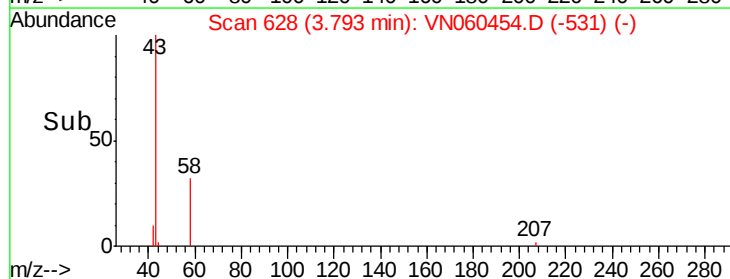
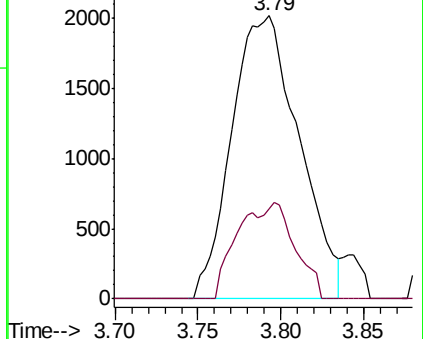
43 100

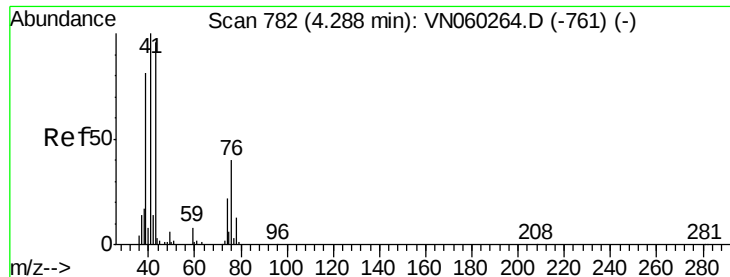
58 31.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

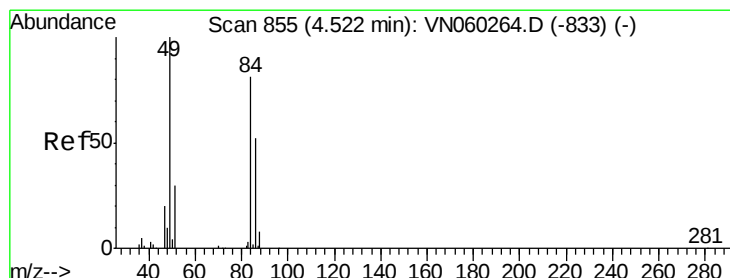
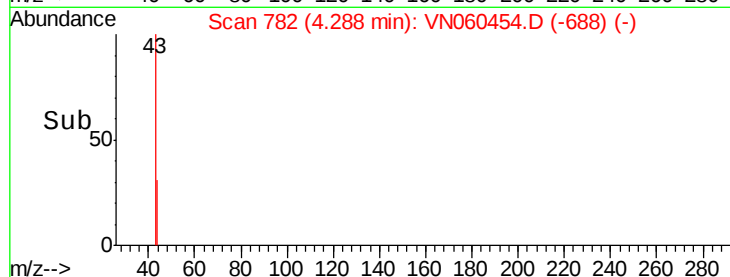
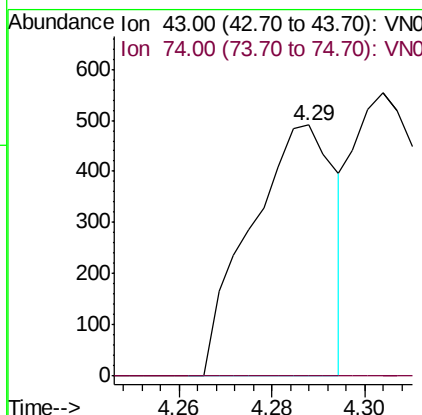
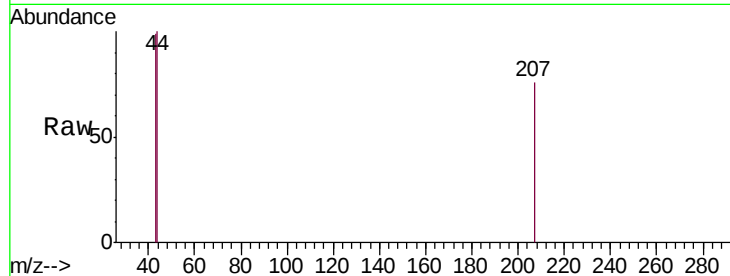




#18
Methyl Acetate
Concen: 0.229 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060454.D
Acq: 11 Mar 2020 16:42

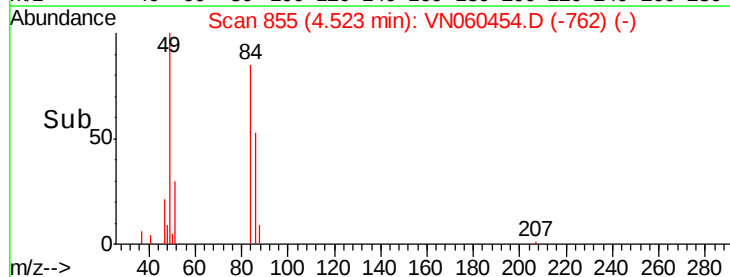
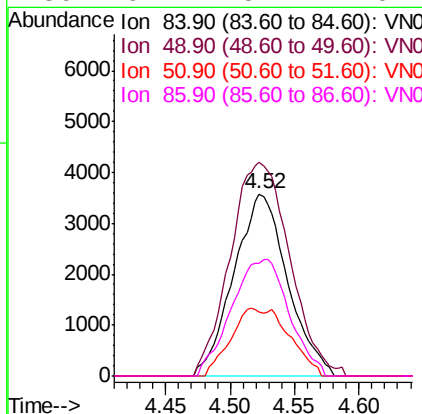
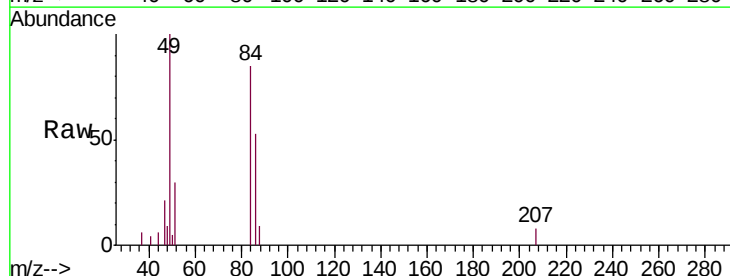
Instrument :
MSVOA_N
ClientSampleId :
TP-18-SA

Tgt Ion: 43 Resp: 623
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 4.636 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060454.D
Acq: 11 Mar 2020 16:42

Tgt Ion: 84 Resp: 10359
Ion Ratio Lower Upper
84 100
49 117.1 99.3 148.9
51 35.2 30.1 45.1
86 61.7 51.1 76.7





#25

2-Butanone

Concen: 0.881 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060454.D

Acq: 11 Mar 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

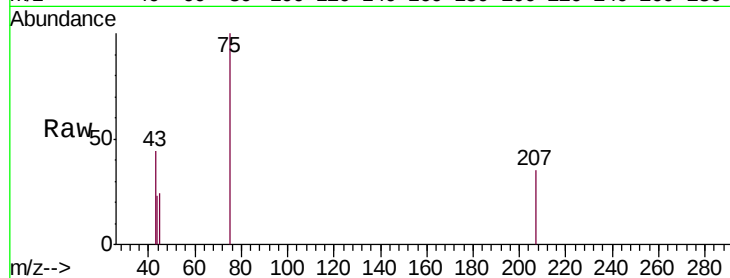
TP-18-SA

Tgt Ion: 43 Resp: 1158

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN060264.D (-1540) (-)

6.81

400

300

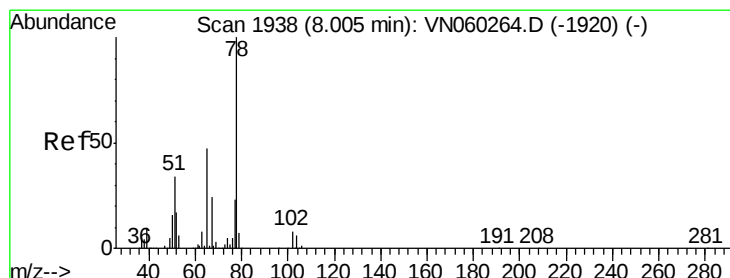
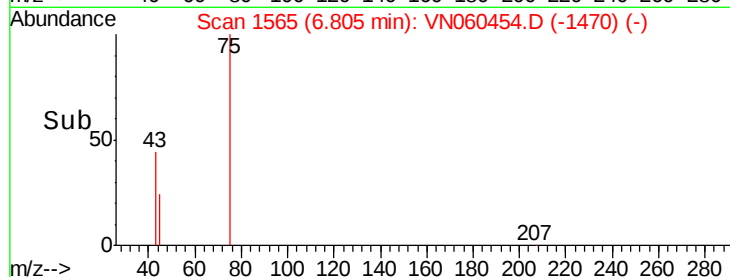
200

100

0

6.75 6.80 6.85

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.906 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060454.D

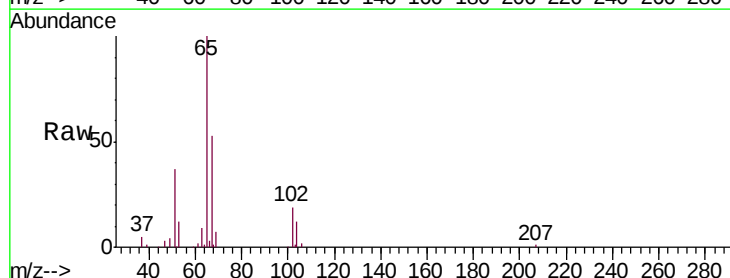
Acq: 11 Mar 2020 16:42

Tgt Ion: 65 Resp: 125730

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060264.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060264.D (-1920) (-)

8.00

60000

50000

40000

30000

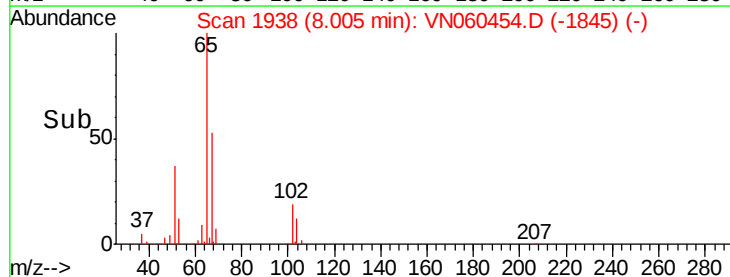
20000

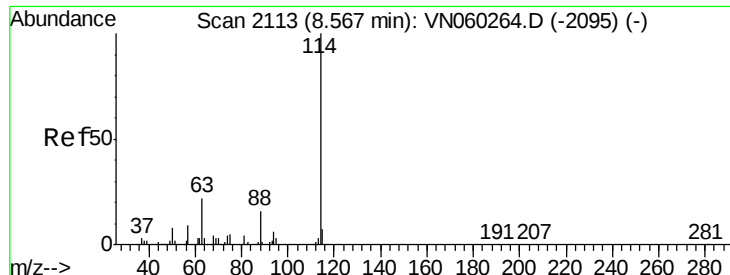
10000

0

7.90 8.00 8.10

Time-->

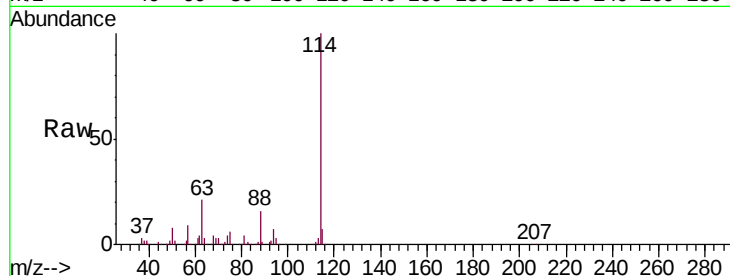




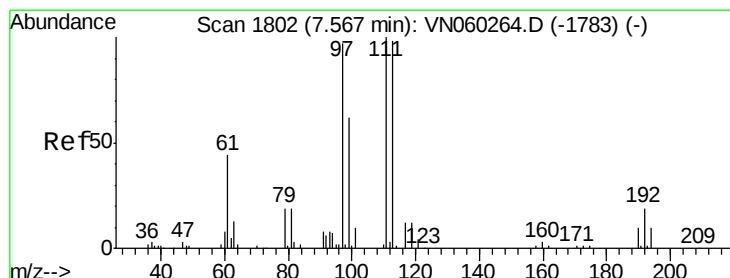
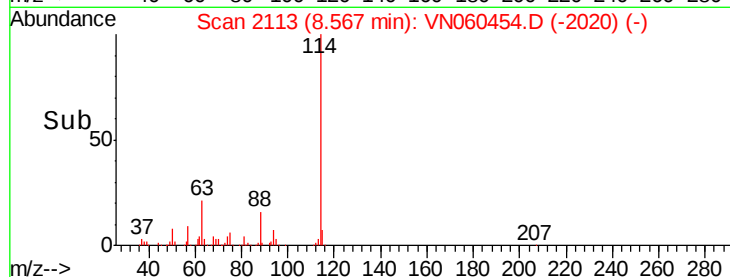
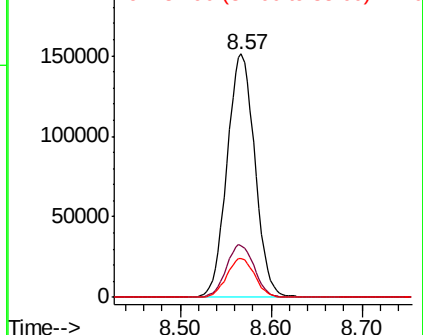
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060454.D
Acq: 11 Mar 2020 16:42

Instrument :
MSVOA_N
ClientSampleId :
TP-18-SA

Tgt Ion:114 Resp: 320745
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.2
88 16.0 0.0 31.6

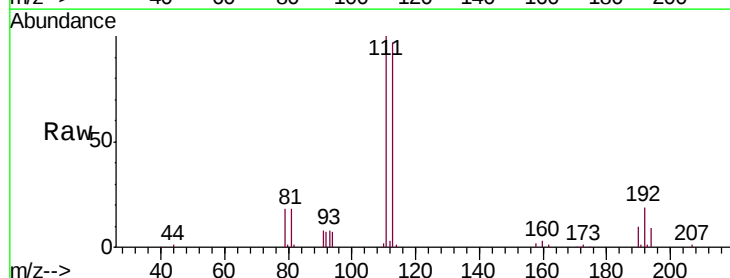


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

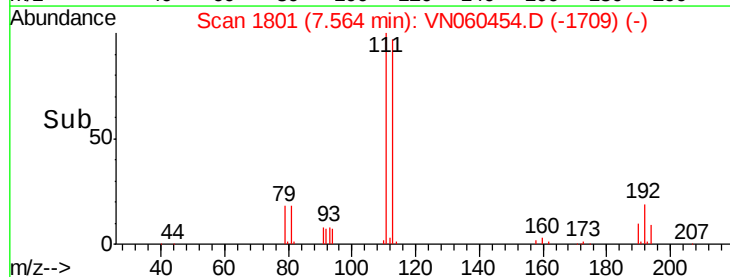
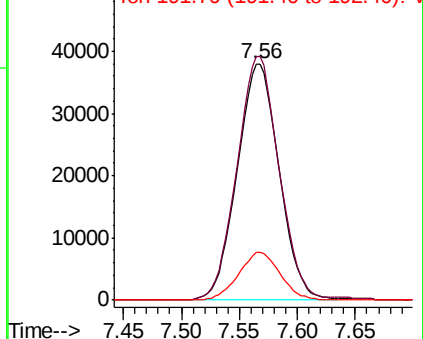


#35
Dibromofluoromethane
Concen: 64.211 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060454.D
Acq: 11 Mar 2020 16:42

Tgt Ion:113 Resp: 95597
Ion Ratio Lower Upper
113 100
111 103.3 82.4 123.6
192 20.0 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: 5.077 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060454.D

Acq: 11 Mar 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

TP-18-SA

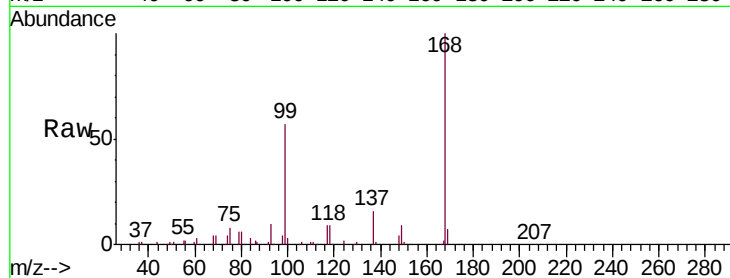
Tgt Ion: 75 Resp: 15521

Ion Ratio Lower Upper

75 100

110 7.9 17.3 52.0#

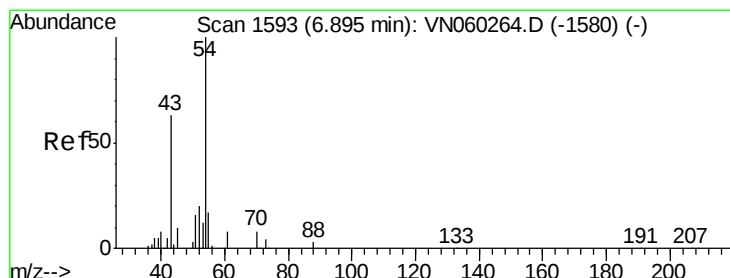
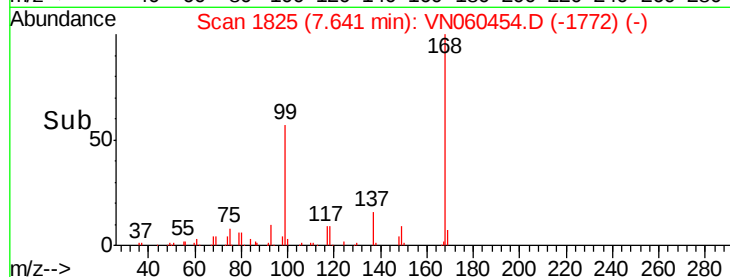
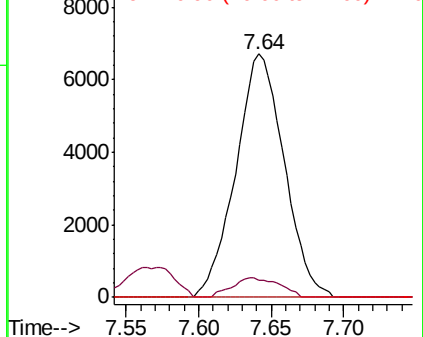
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.400 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.09 min

Lab File: VN060454.D

Acq: 11 Mar 2020 16:42

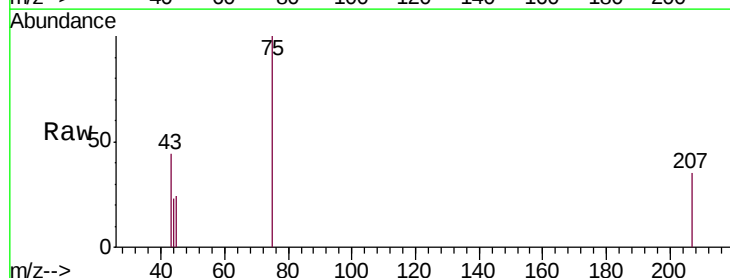
Tgt Ion: 43 Resp: 1158

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

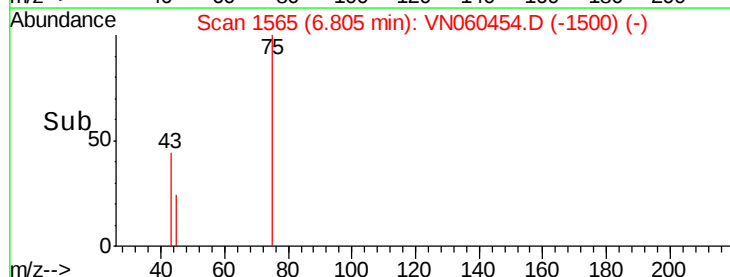
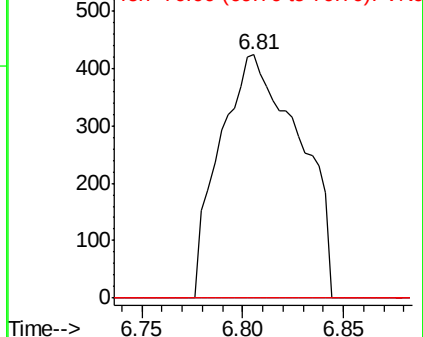
70 0.0 8.4 12.6#

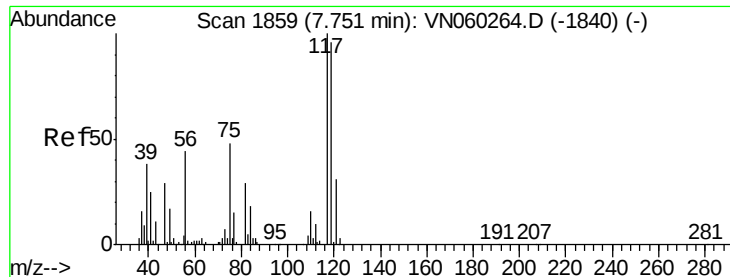


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 6.096 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060454.D

Acq: 11 Mar 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

TP-18-SA

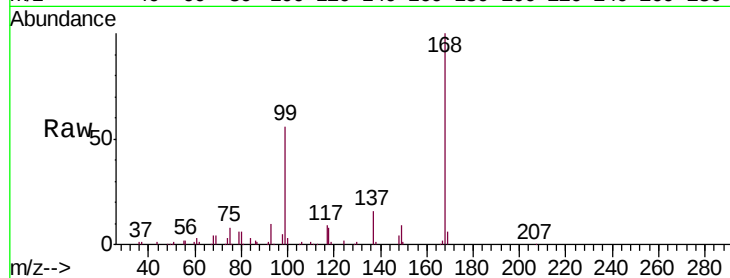
Tgt Ion: 117 Resp: 18142

Ion Ratio Lower Upper

117 100

119 5.4 76.7 115.1#

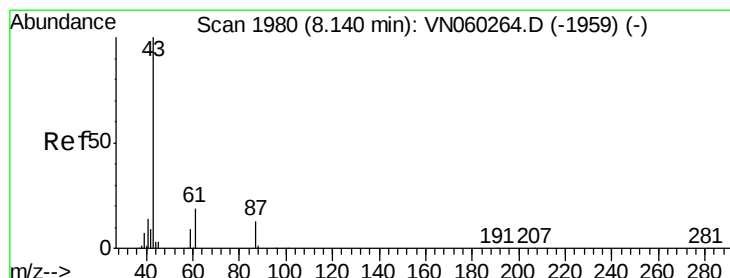
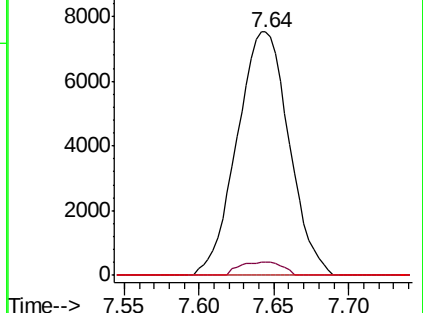
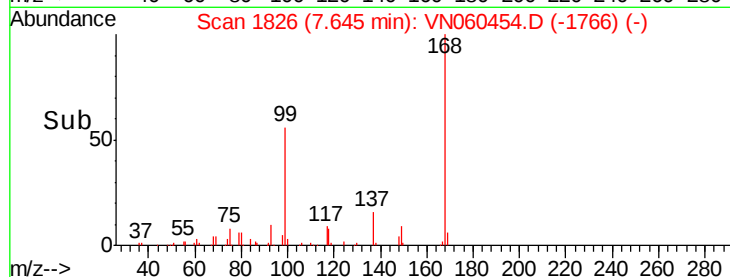
121 0.0 24.5 36.7#



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: 10.646 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060454.D

Acq: 11 Mar 2020 16:42

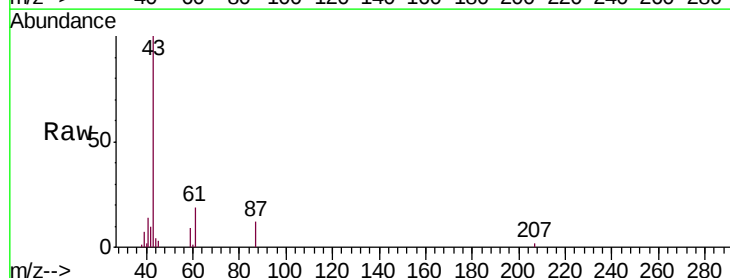
Tgt Ion: 43 Resp: 53945

Ion Ratio Lower Upper

43 100

61 19.4 20.9 31.3#

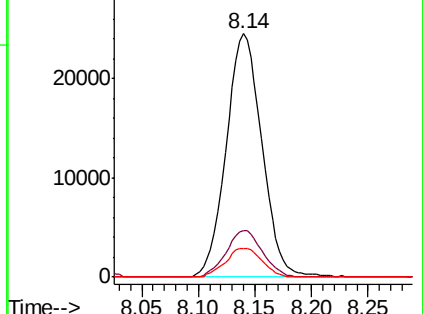
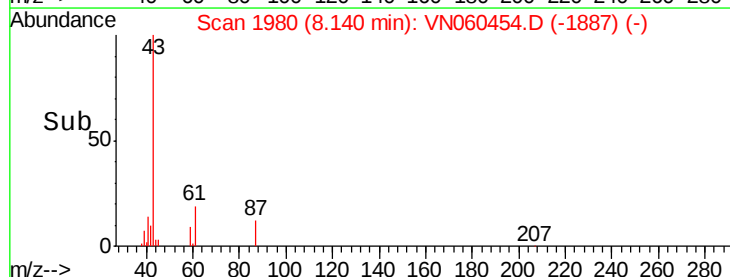
87 12.0 10.6 16.0

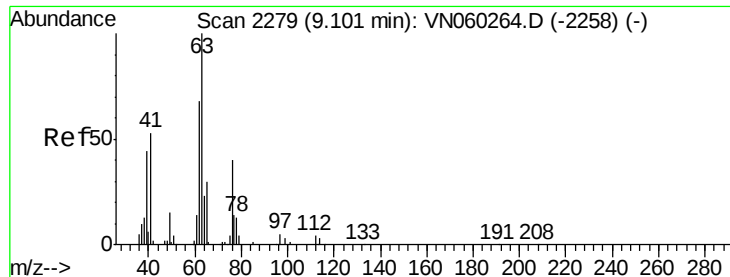


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

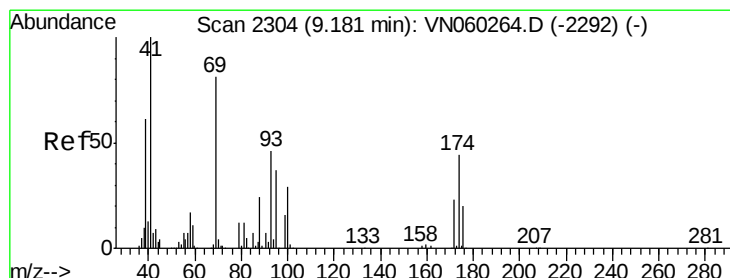
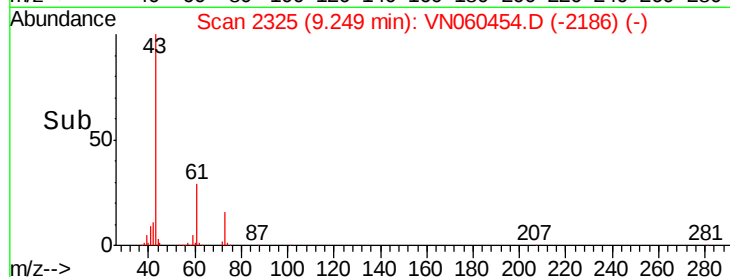
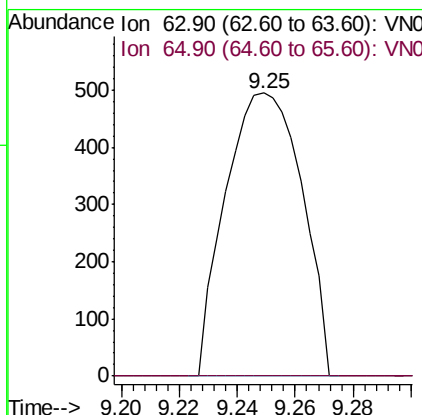
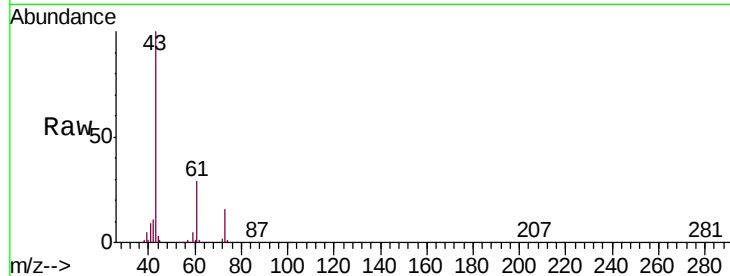




#45
 1,2-Dichloropropane
 Concen: 0.389 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060454.D
 Acq: 11 Mar 2020 16:42

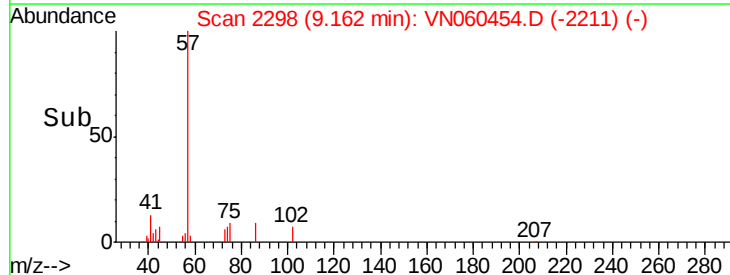
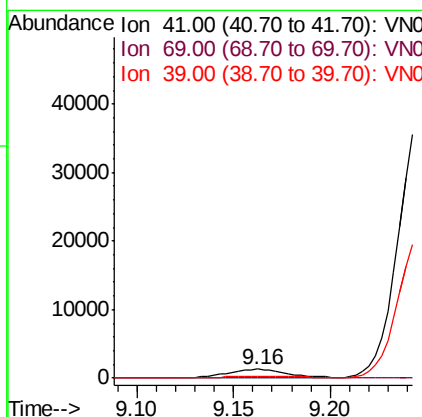
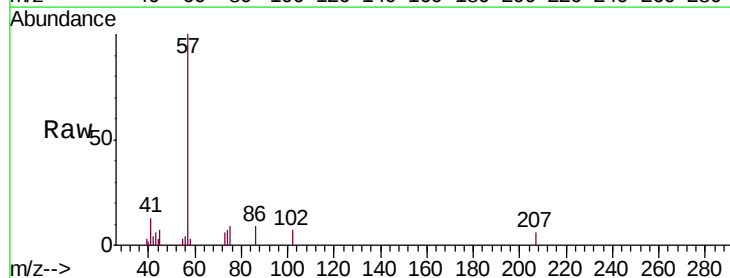
Instrument :
 MSVOA_N
 ClientSampled :
 TP-18-SA

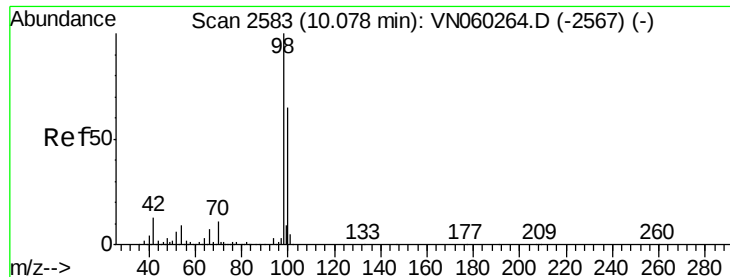
Tgt Ion: 63 Resp: 904
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.211 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060454.D
 Acq: 11 Mar 2020 16:42

Tgt Ion: 41 Resp: 2798
 Ion Ratio Lower Upper
 41 100
 69 0.0 66.7 100.1#
 39 0.0 50.1 75.1#





#50

Toluene-d8

Concen: 52.918 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060454.D

Acq: 11 Mar 2020 16:42

Instrument :

MSVOA_N

ClientSampled :

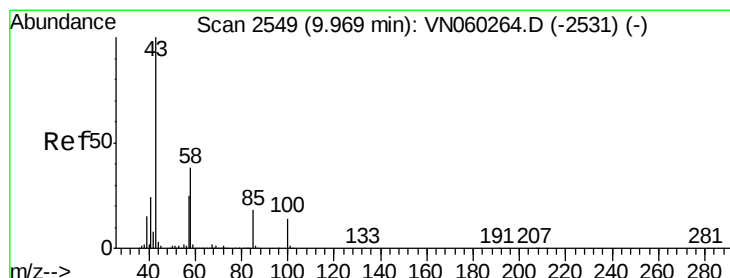
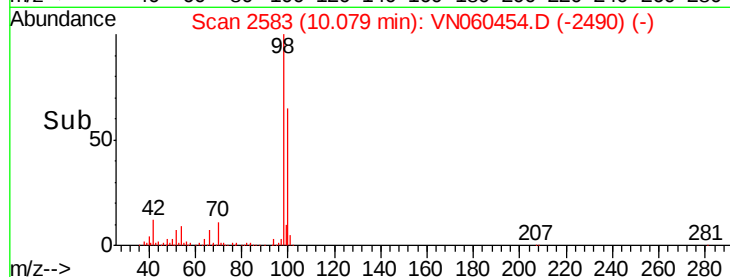
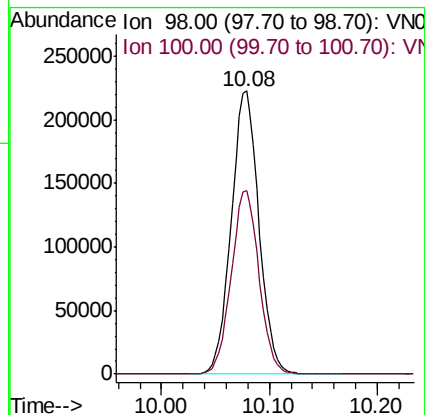
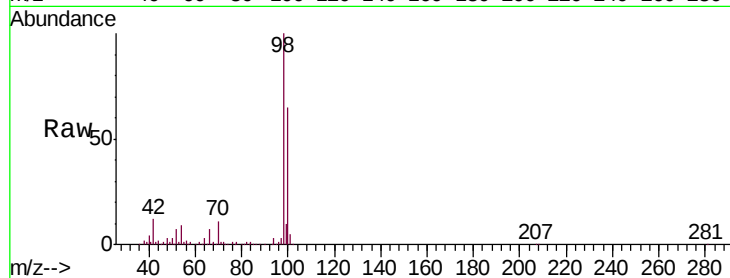
TP-18-SA

Tgt Ion: 98 Resp: 398737

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.547 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060454.D

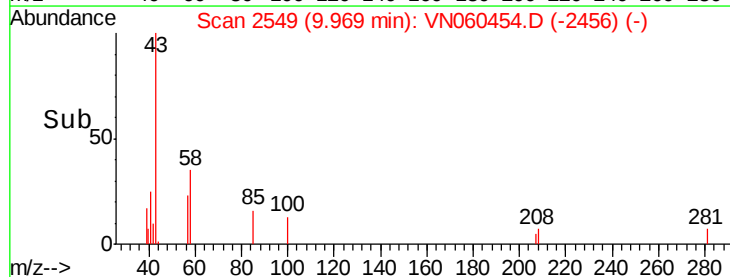
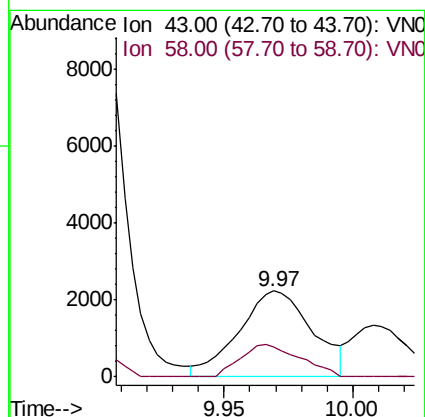
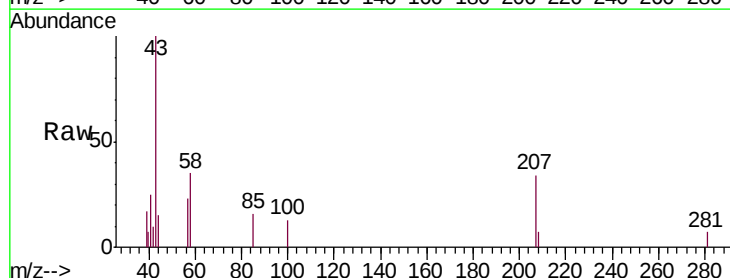
Acq: 11 Mar 2020 16:42

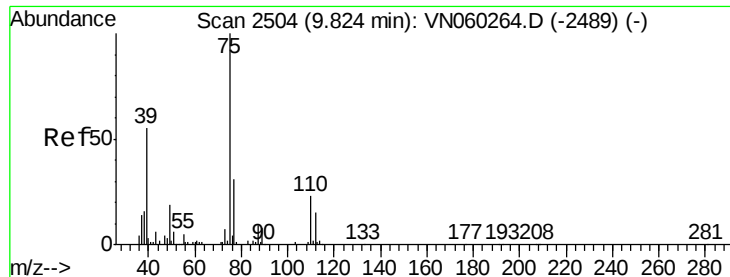
Tgt Ion: 43 Resp: 4444

Ion Ratio Lower Upper

43 100

58 30.7 30.9 46.3#





#54

cis-1,3-Dichloropropene

Concen: 5.822 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060454.D

Acq: 11 Mar 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

TP-18-SA

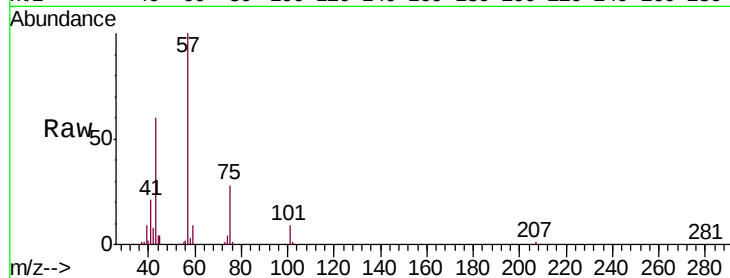
Tgt Ion: 75 Resp: 22693

Ion Ratio Lower Upper

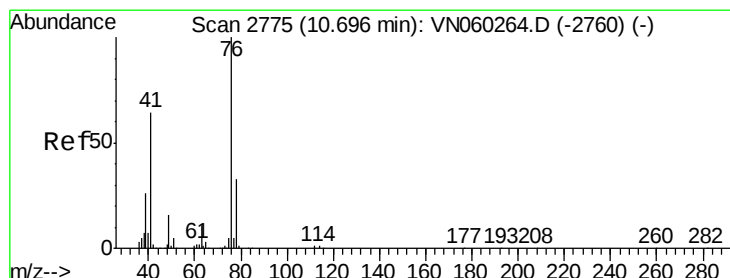
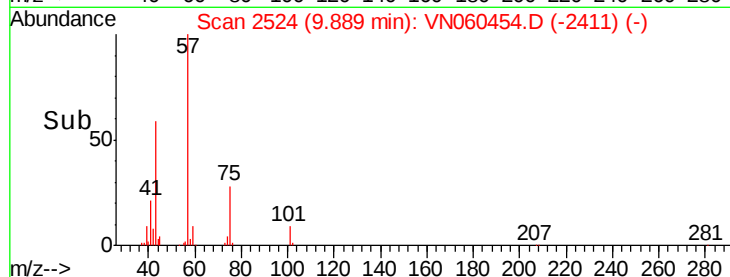
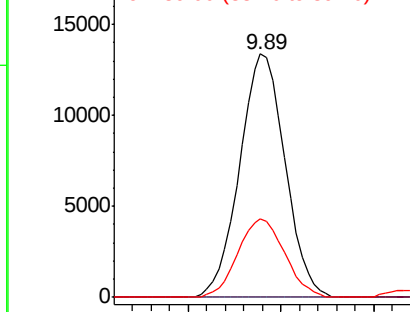
75 100

77 0.0 24.8 37.2#

39 32.1 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#57

1,3-Dichloropropane

Concen: 0.988 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060454.D

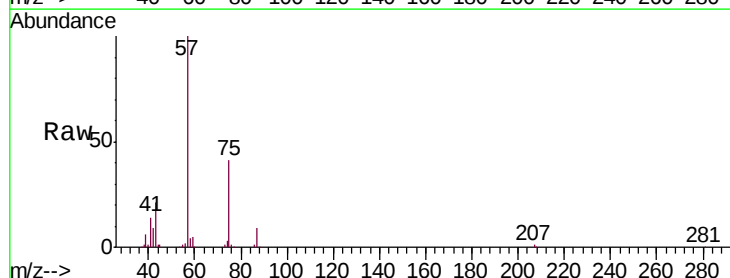
Acq: 11 Mar 2020 16:42

Tgt Ion: 76 Resp: 3621

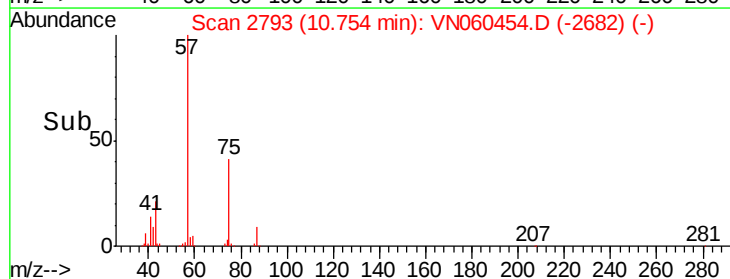
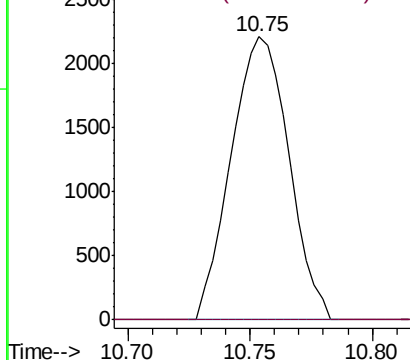
Ion Ratio Lower Upper

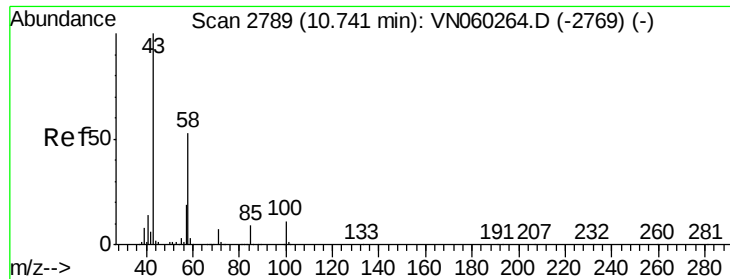
76 100

78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

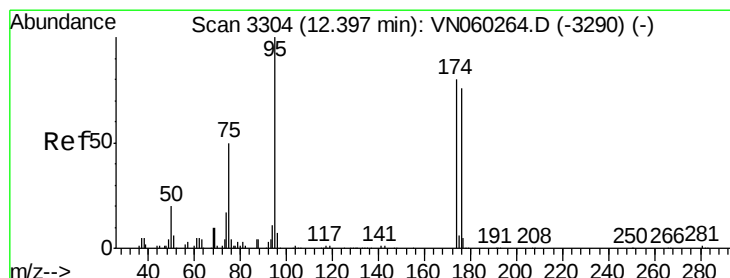
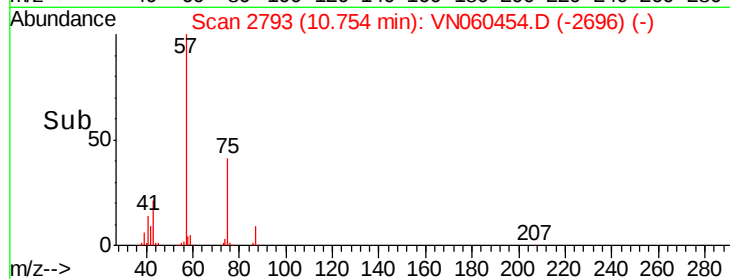
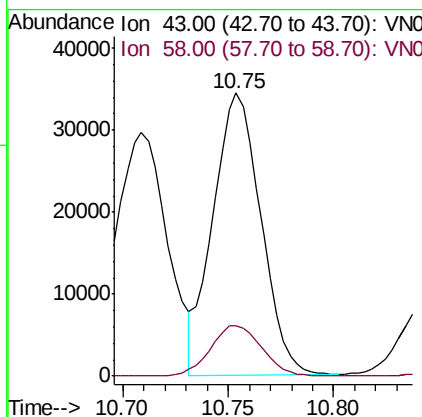
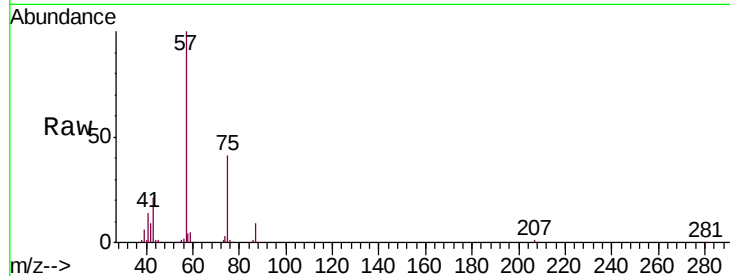




#59
2-Hexanone
Concen: 25.741 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060454.D
Acq: 11 Mar 2020 16:42

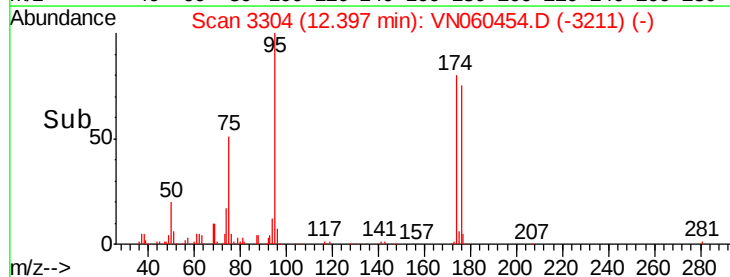
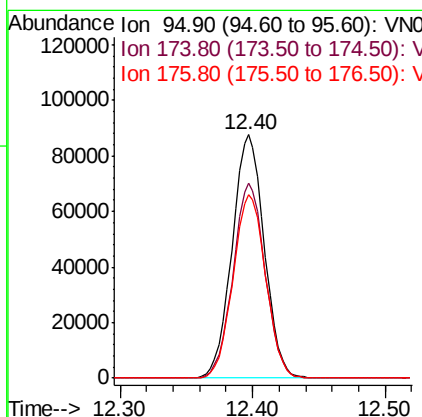
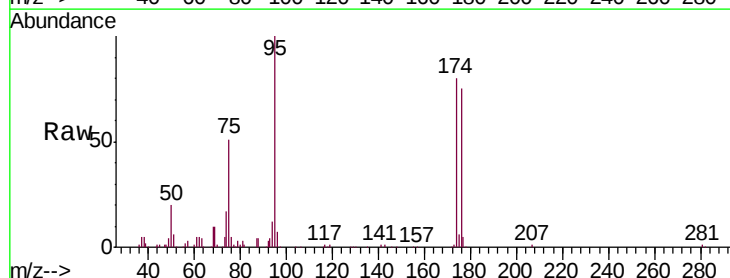
Instrument :
MSVOA_N
ClientSampleId :
TP-18-SA

Tgt Ion: 43 Resp: 54300
Ion Ratio Lower Upper
43 100
58 19.1 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.465 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060454.D
Acq: 11 Mar 2020 16:42

Tgt Ion: 95 Resp: 147002
Ion Ratio Lower Upper
95 100
174 79.7 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: VN060454.D

Acq: 11 Mar 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

TP-18-SA

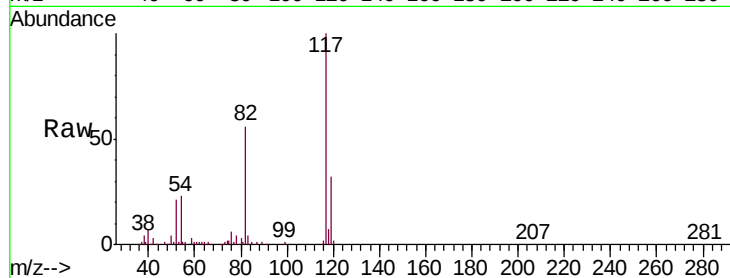
Tgt Ion:117 Resp: 304236

Ion Ratio Lower Upper

117 100

82 56.4 45.8 68.6

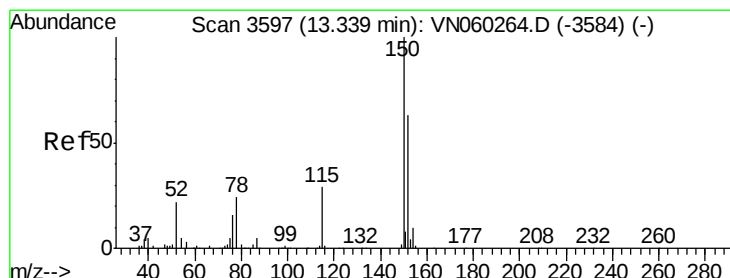
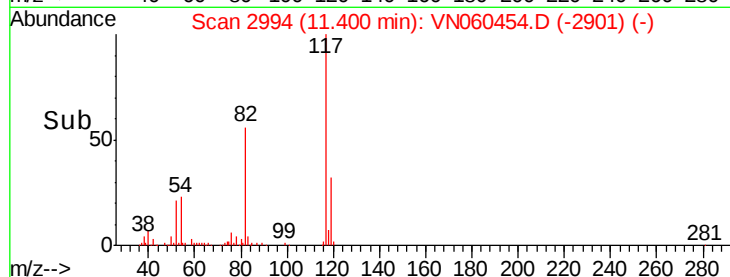
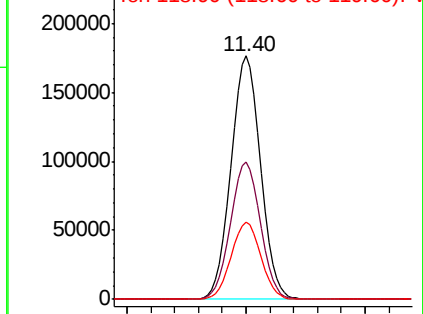
119 31.5 25.8 38.8



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: VN060454.D

Acq: 11 Mar 2020 16:42

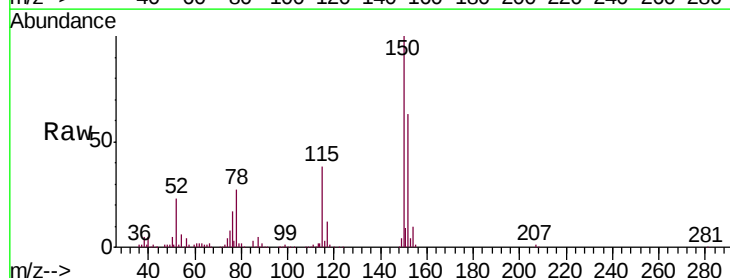
Tgt Ion:152 Resp: 138695

Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

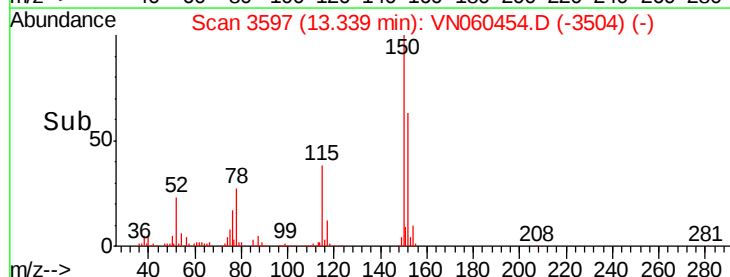
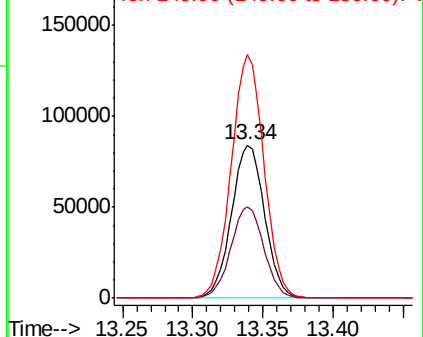
150 157.5 0.0 349.6

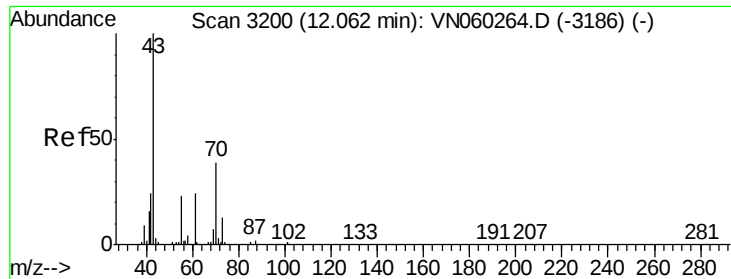


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

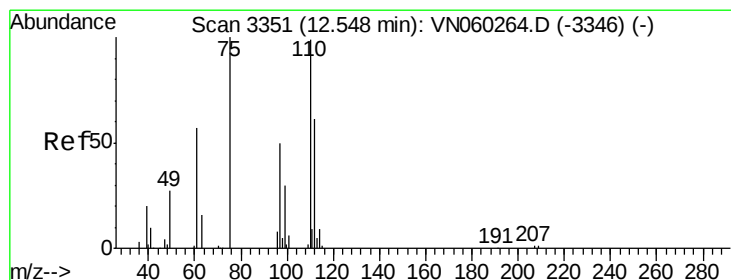
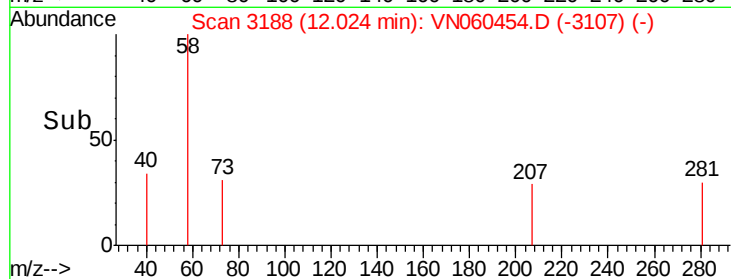
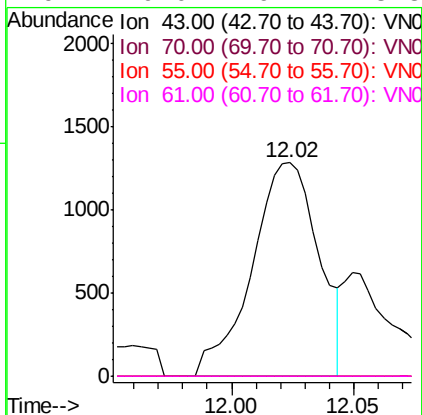
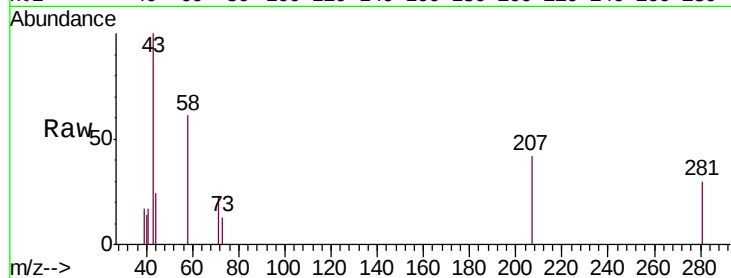




#74
N-ethyl acetate
Concen: 0.544 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060454.D
Acq: 11 Mar 2020 16:42

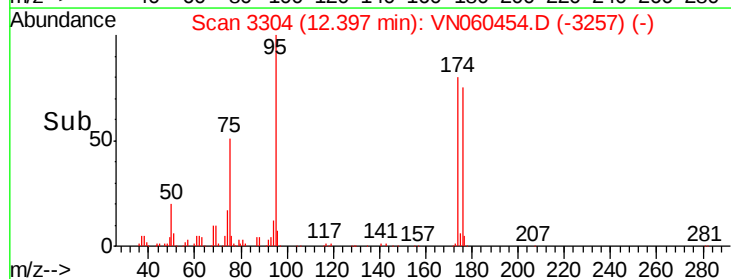
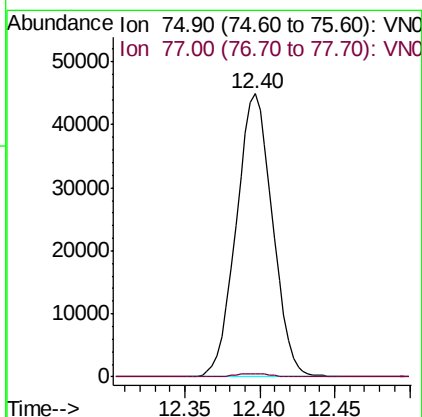
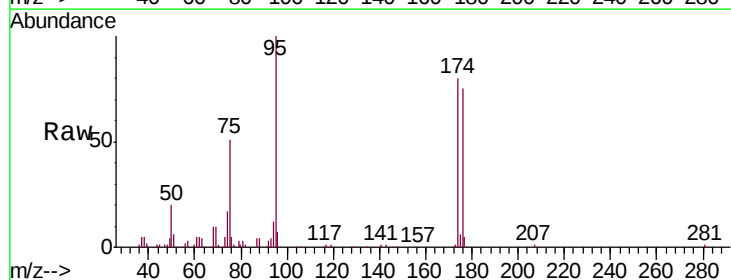
Instrument :
MSVOA_N
ClientSampleId :
TP-18-SA

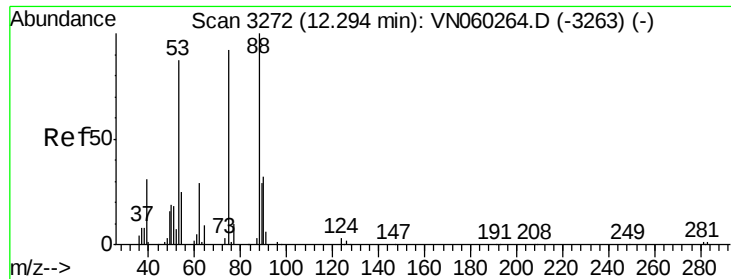
Tgt Ion:	43	Resp:	2443
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.2	48.2#
55	0.0	18.2	27.4#
61	0.0	19.2	28.8#



#76
1,2,3-Trichloropropane
Concen: 24.848 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060454.D
Acq: 11 Mar 2020 16:42

Tgt Ion:	75	Resp:	75613
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 68.593 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060454.D

Acq: 11 Mar 2020 16:42

Instrument :

MSVOA_N

ClientSampleId :

TP-18-SA

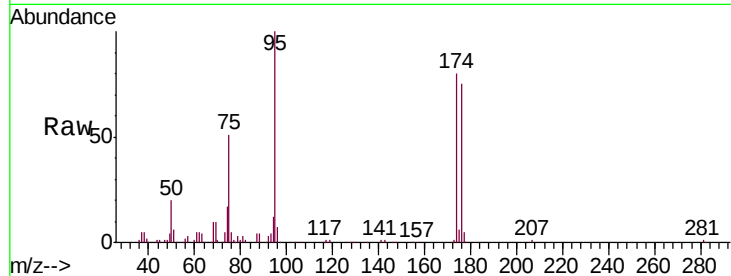
Tgt Ion: 75 Resp: 75613

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

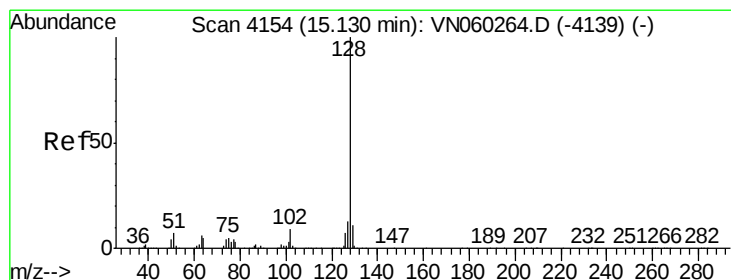
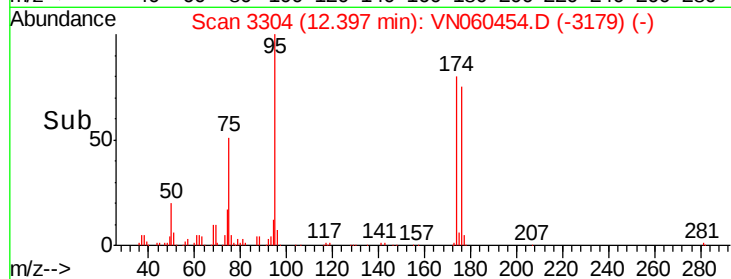
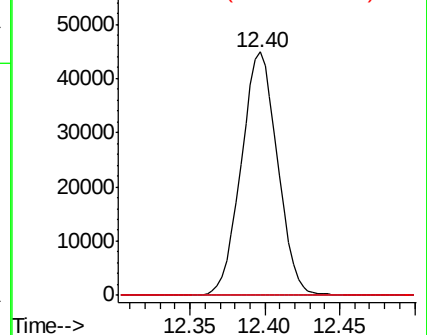
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060454.D (-3263) (-)

Ion 53.00 (52.70 to 53.70): VN060454.D (-3263) (-)

Ion 88.90 (88.60 to 89.60): VN060454.D (-3263) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060454.D

Acq: 11 Mar 2020 16:42

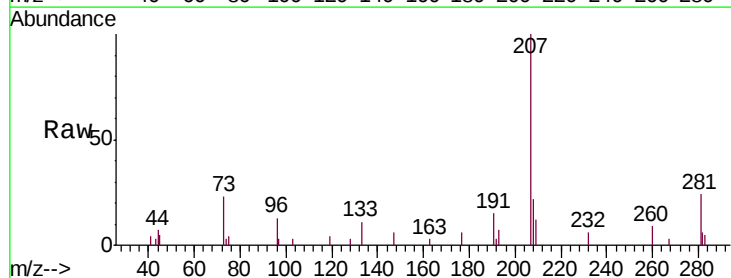
Tgt Ion: 128 Resp: 61

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN060454.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN060454.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN060454.D (-4139) (-)

