

Data File : VN060455.D
Acq On : 11 Mar 2020 17:05
Operator : JC/MD
Sample : L1871-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-18-DA

Quant Time: Mar 12 03:40:35 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	200131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	332604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	315973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145089	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	131566	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.57	113	97562	63.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.38%	
50) Toluene-d8	10.08	98	410113	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.40	95	154744	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	

Target Compounds				Qvalue		
16) Acetone	3.79	43	6145	7.411	ug/l	92
18) Methyl Acetate	4.29	43	722	0.261	ug/l #	69
20) Methylene Chloride	4.53	84	13649	5.994	ug/l	97
25) 2-Butanone	6.81	43	1002	0.748	ug/l #	49
31) Cyclohexane	7.64	56	4114	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15608	4.924	ug/l #	46
37) Ethyl Acetate	6.81	43	1002	0.334	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19408	6.289	ug/l #	15
43) Isopropyl Acetate	8.14	43	54488	10.370	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1015	0.421	ug/l #	44
48) Methyl methacrylate	9.17	41	2800	1.169	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4477	1.503	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	22920	5.671	ug/l #	56
57) 1,3-Dichloropropane	10.75	76	3545	0.933	ug/l #	42
59) 2-Hexanone	10.75	43	53555	24.483	ug/l #	52
74) N-amyl acetate	12.02	43	2484	0.529	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	78496	24.659	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	78496	68.070	ug/l #	8
95) Naphthalene	15.13	128	91	Below Cal	#	69

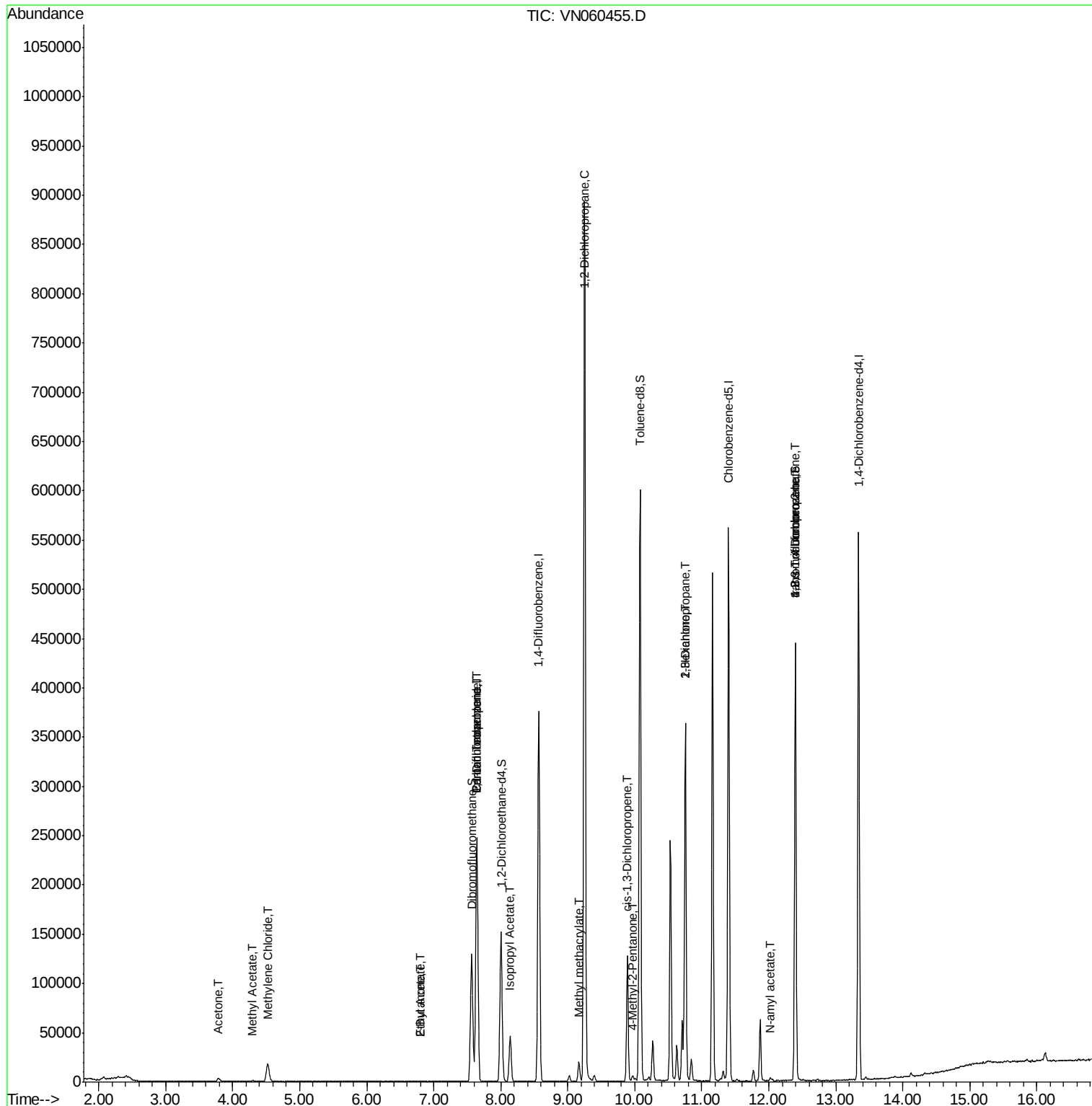
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial     : 22      Sample Multiplier: 1
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Instrument :
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Quant Title : SW846 8260
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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: VN060455.D

Acq: 11 Mar 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

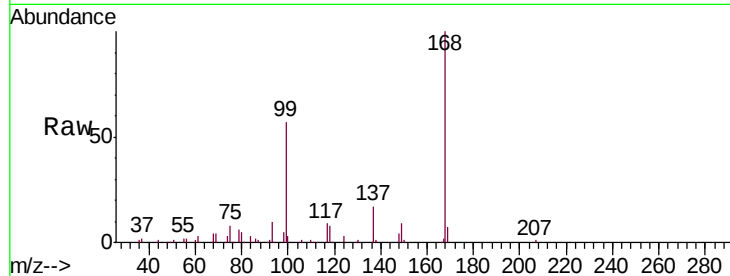
TP-18-DA

Tgt Ion:168 Resp: 200131

Ion Ratio Lower Upper

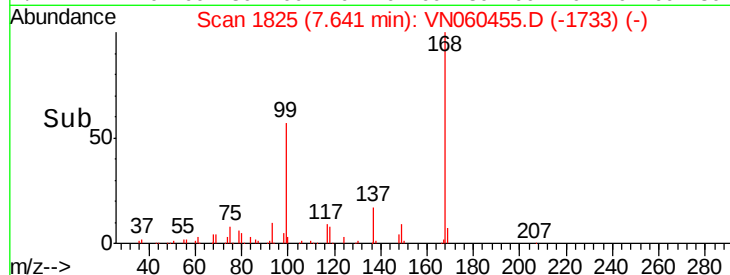
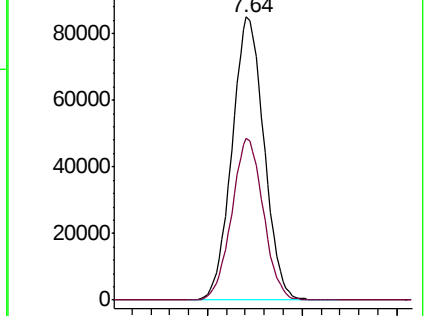
168 100

99 57.0 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: 7.411 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060455.D

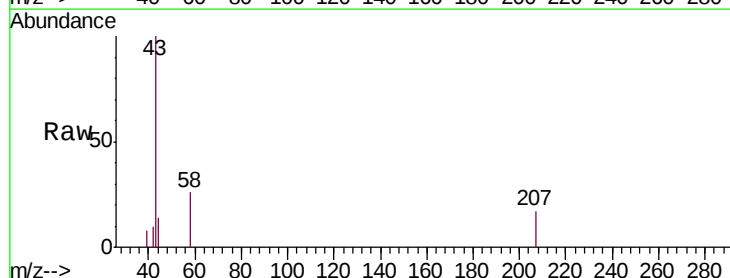
Acq: 11 Mar 2020 17:05

Tgt Ion: 43 Resp: 6145

Ion Ratio Lower Upper

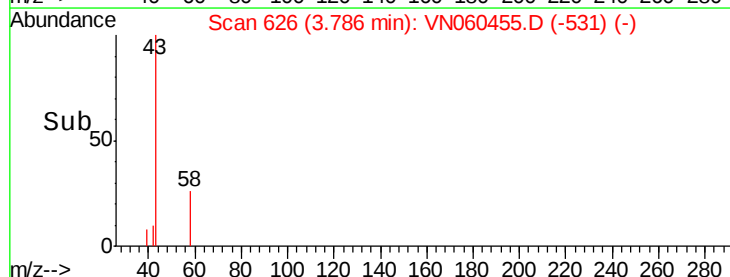
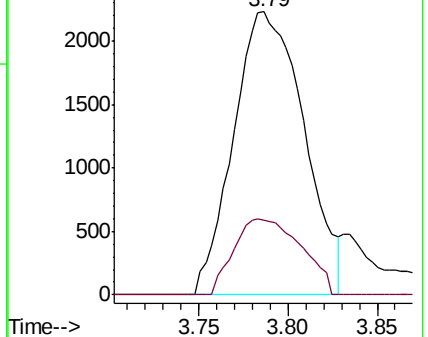
43 100

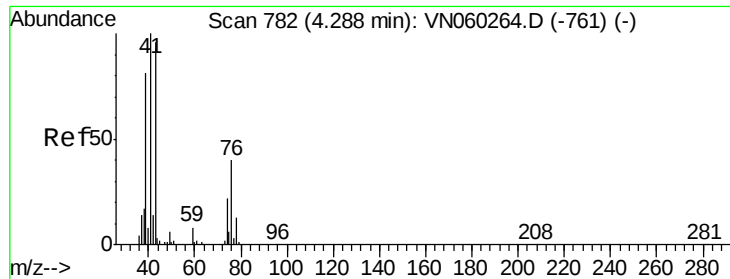
58 26.4 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

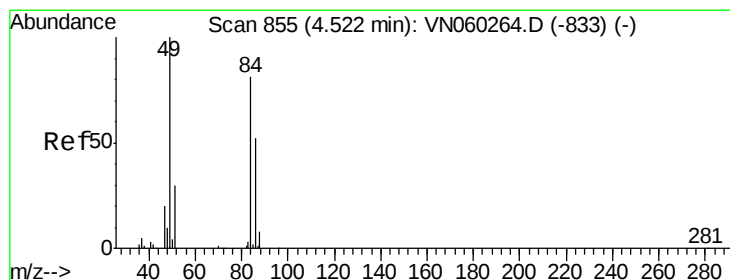
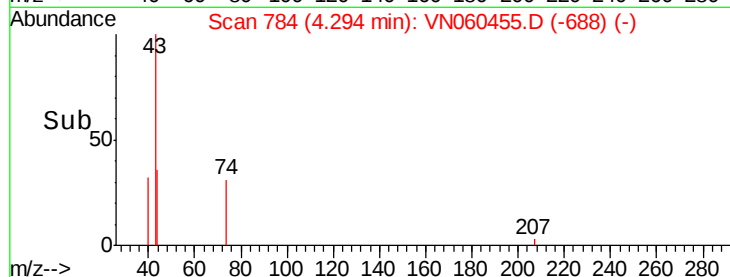
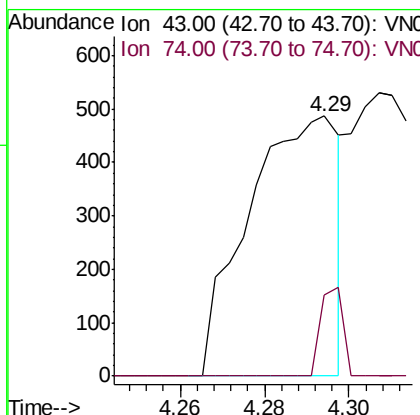
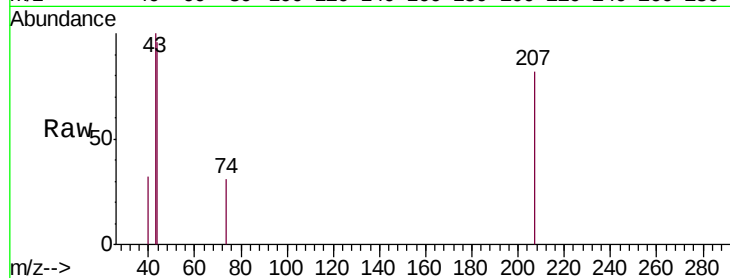




#18
Methyl Acetate
Concen: 0.261 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060455.D
Acq: 11 Mar 2020 17:05

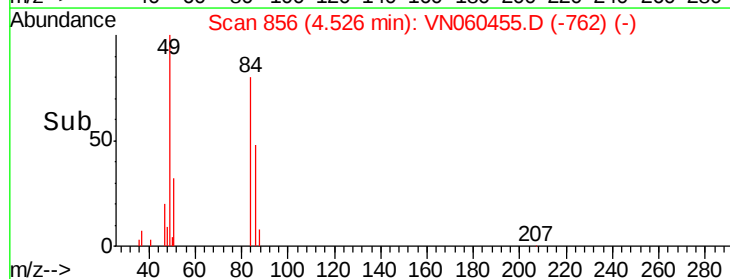
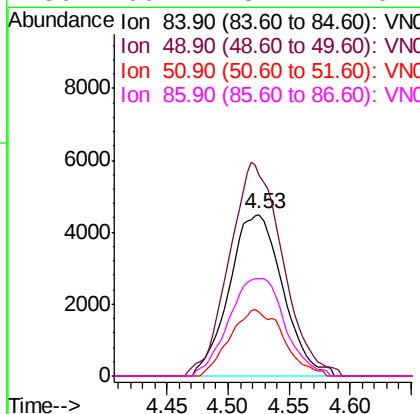
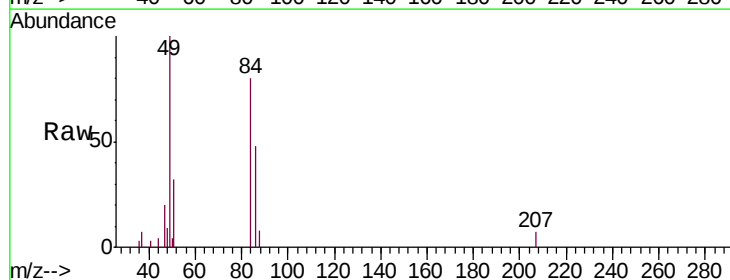
Instrument :
MSVOA_N
ClientSampleId :
TP-18-DA

Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
74 8.4 18.8 28.2#



#20
Methylene Chloride
Concen: 5.994 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060455.D
Acq: 11 Mar 2020 17:05

Tgt Ion: 84 Resp: 13649
Ion Ratio Lower Upper
84 100
49 121.1 99.3 148.9
51 39.6 30.1 45.1
86 60.2 51.1 76.7

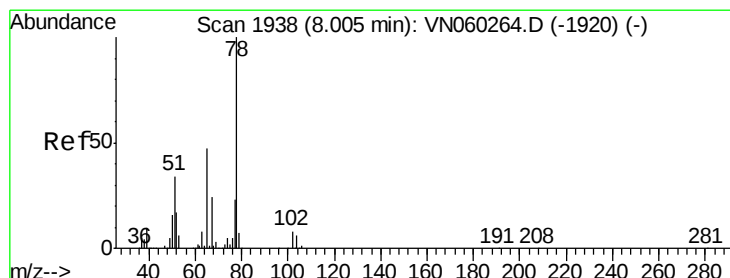
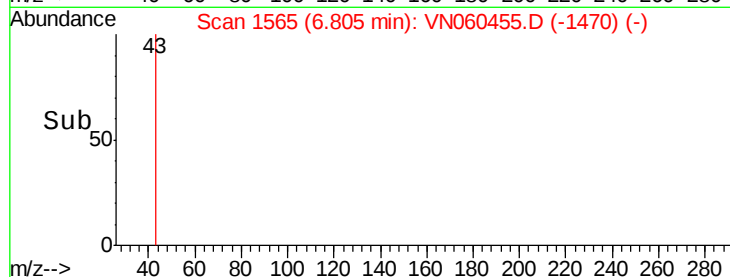
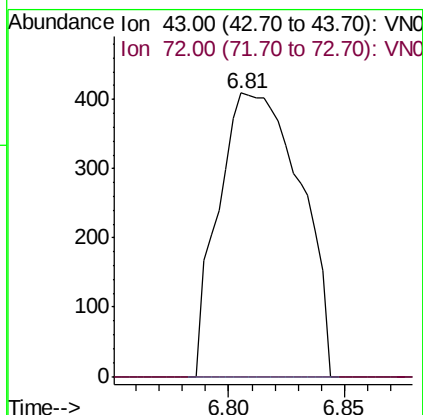
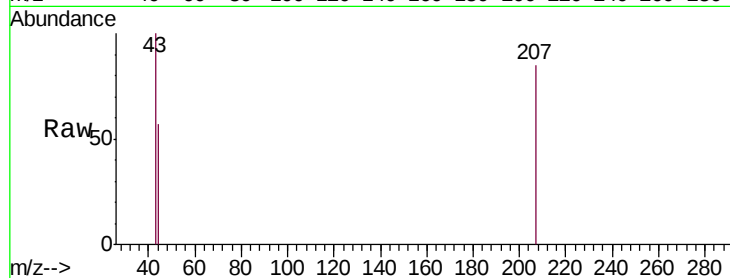




#25
2-Butanone
Concen: 0.748 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN060455.D
Acq: 11 Mar 2020 17:05

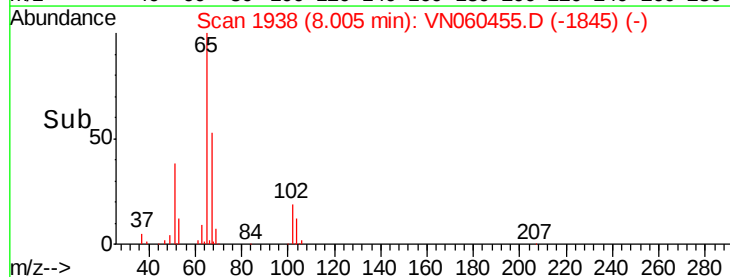
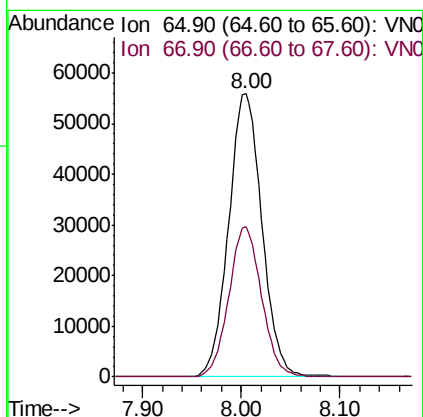
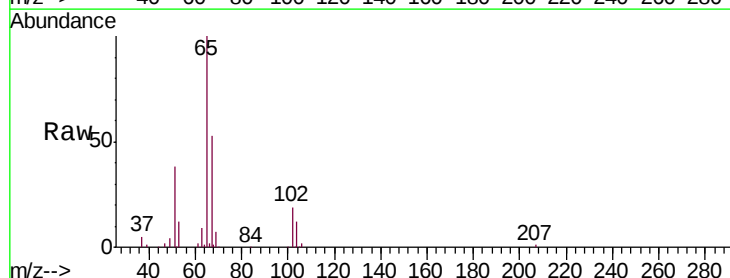
Instrument :
MSVOA_N
ClientSampleId :
TP-18-DA

Tgt Ion: 43 Resp: 1002
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#



#33
1,2-Dichloroethane-d4
Concen: 51.239 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060455.D
Acq: 11 Mar 2020 17:05

Tgt Ion: 65 Resp: 131566
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.8

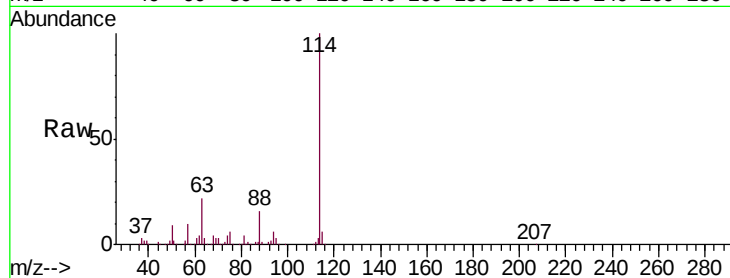




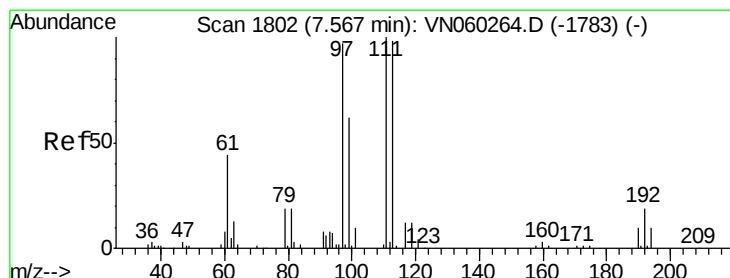
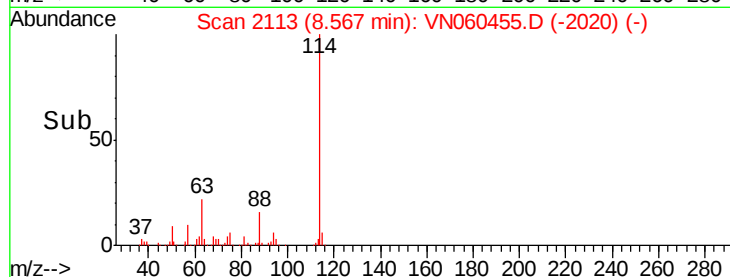
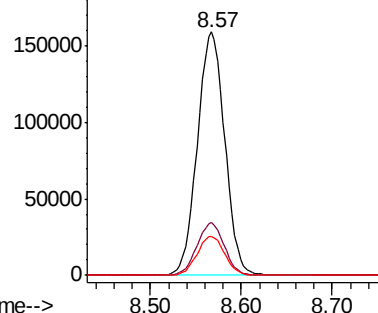
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060455.D
 Acq: 11 Mar 2020 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-18-DA

Tgt Ion:114 Resp: 332604
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 16.0 0.0 31.6

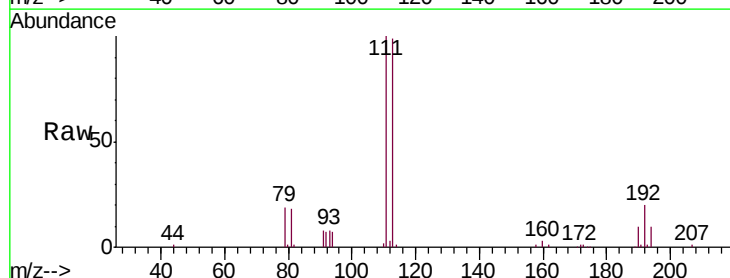


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

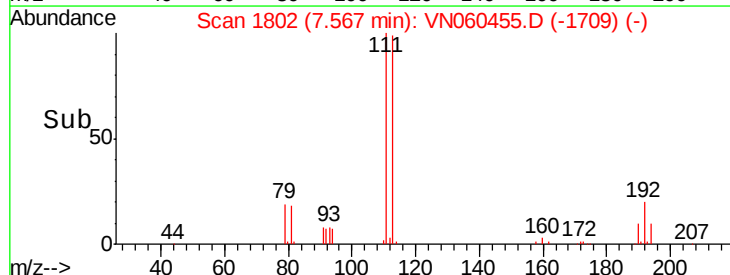
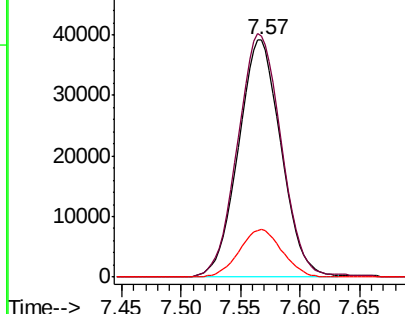


#35
 Dibromofluoromethane
 Concen: 63.194 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060455.D
 Acq: 11 Mar 2020 17:05

Tgt Ion:113 Resp: 97562
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.4 123.6
 192 20.1 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

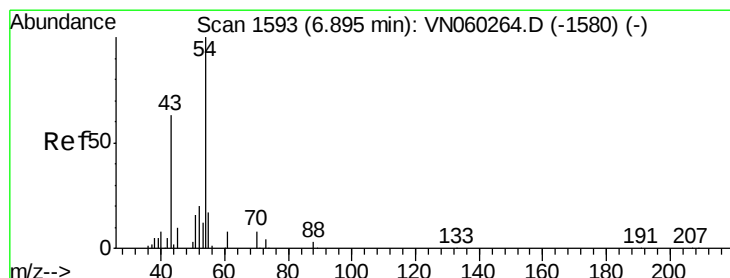
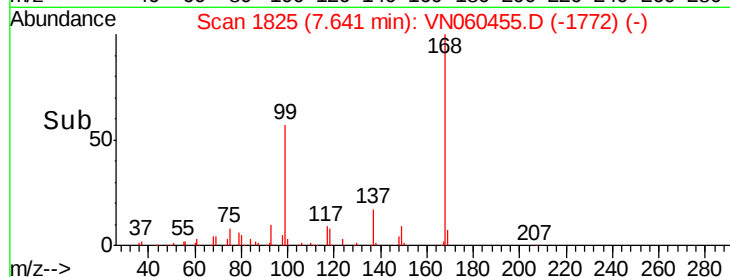
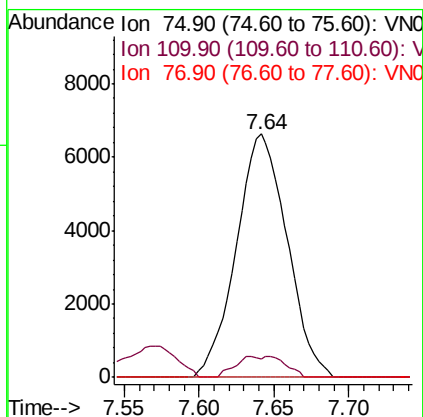
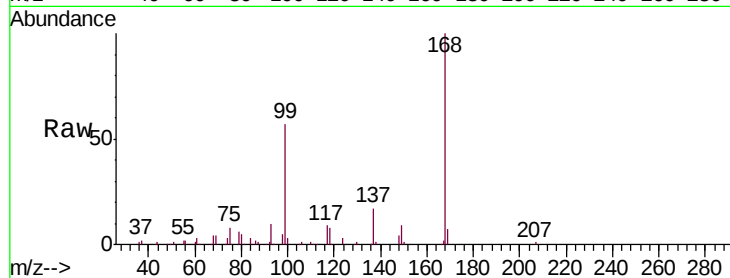




#36
 1,1-Dichloropropene
 Concen: 4.924 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060455.D
 Acq: 11 Mar 2020 17:05

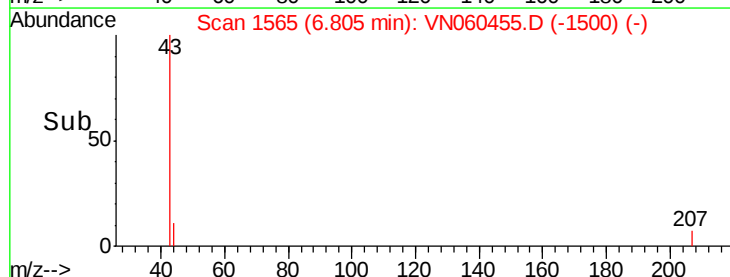
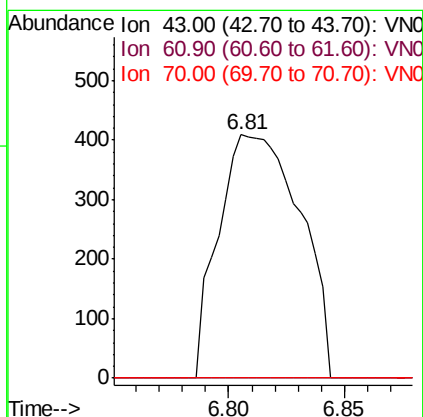
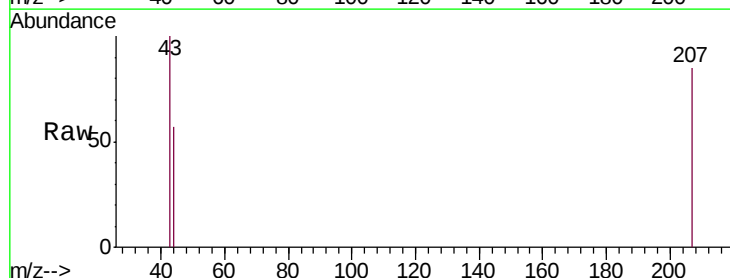
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-18-DA

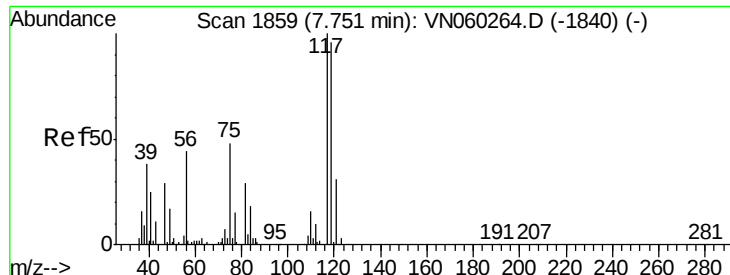
Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.5	17.3	52.0#
77	0.0	24.2	36.2#



#37
 Ethyl Acetate
 Concen: 0.334 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.09 min
 Lab File: VN060455.D
 Acq: 11 Mar 2020 17:05

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.0	8.4	12.6#





#38

Carbon Tetrachloride

Concen: 6.289 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060455.D

Acq: 11 Mar 2020 17:05

Instrument :

MSVOA_N

ClientSampled :

TP-18-DA

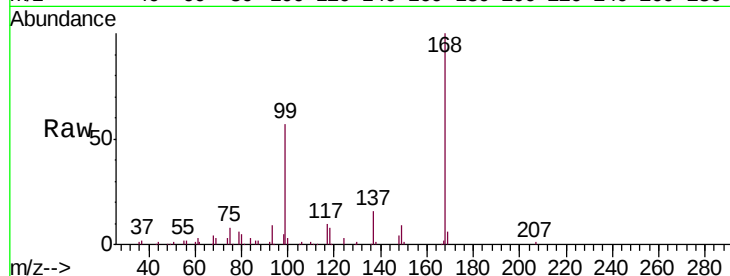
Tgt Ion: 117 Resp: 19408

Ion Ratio Lower Upper

117 100

119 4.1 76.7 115.1#

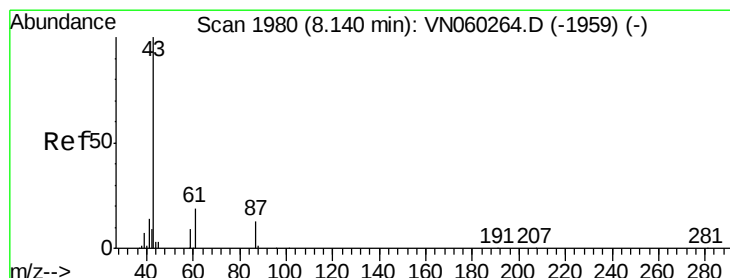
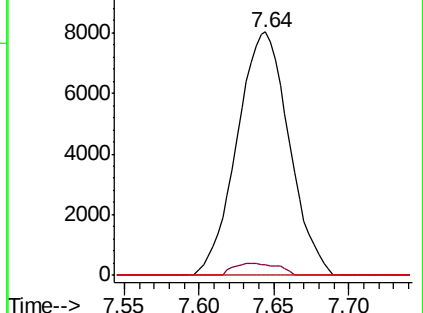
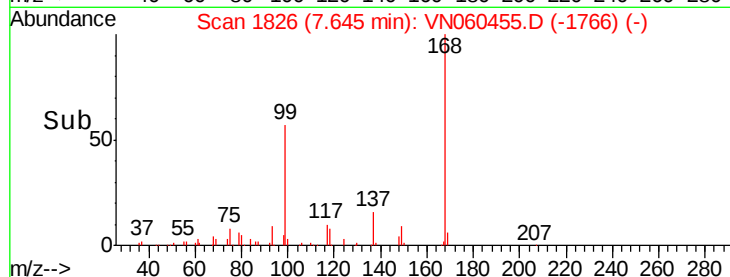
121 0.0 24.5 36.7#



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: 10.370 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060455.D

Acq: 11 Mar 2020 17:05

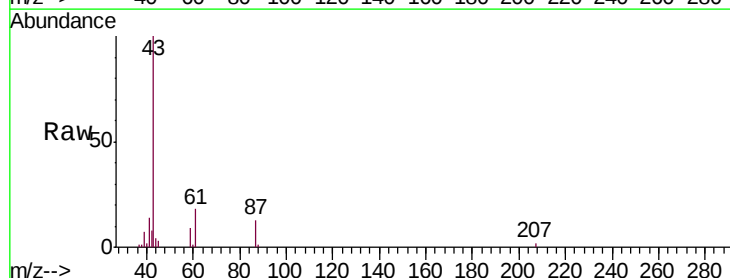
Tgt Ion: 43 Resp: 54488

Ion Ratio Lower Upper

43 100

61 18.8 20.9 31.3#

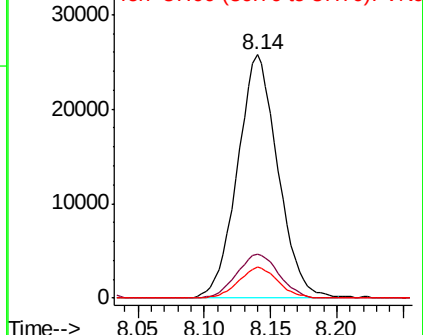
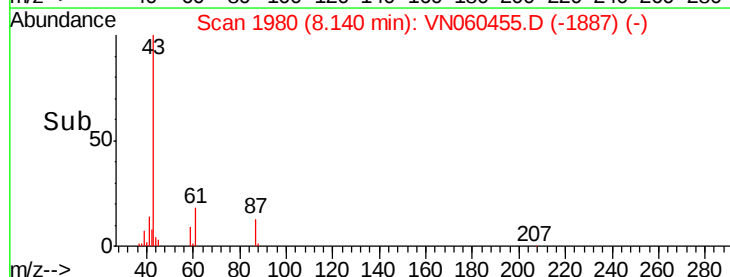
87 12.3 10.6 16.0

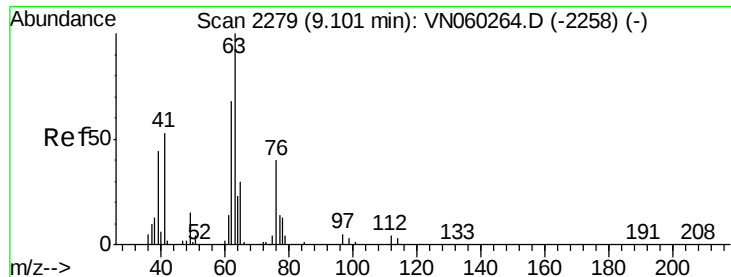


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.421 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060455.D

Acq: 11 Mar 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

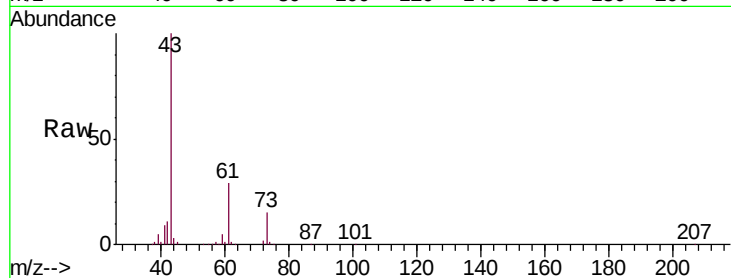
TP-18-DA

Tgt Ion: 63 Resp: 1015

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060264.D (-2258) (-)

9.25

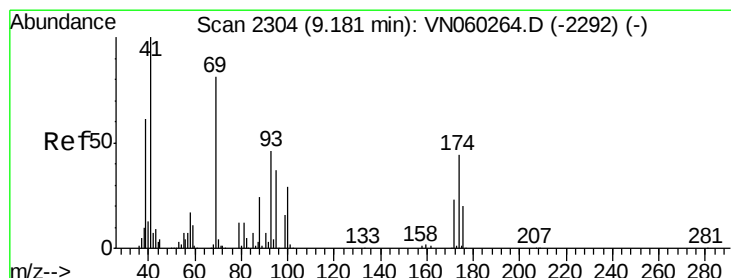
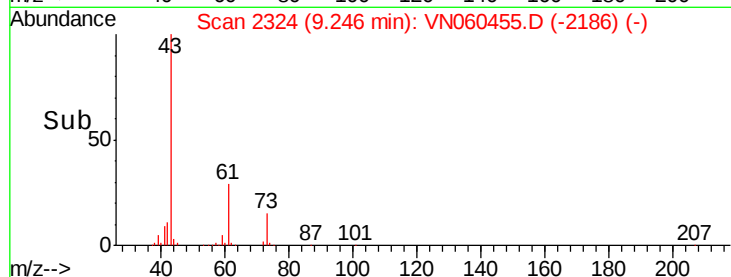
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.169 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.02 min

Lab File: VN060455.D

Acq: 11 Mar 2020 17:05

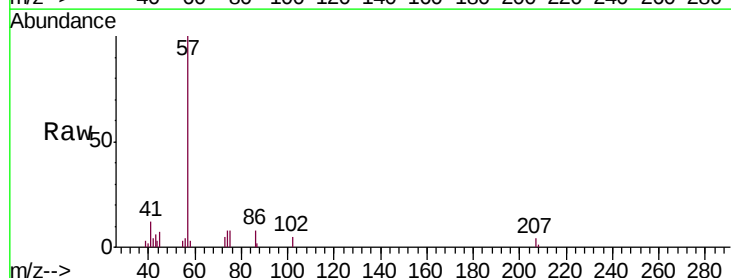
Tgt Ion: 41 Resp: 2800

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): VN060264.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN060264.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN060264.D (-2292) (-)

30000

25000

20000

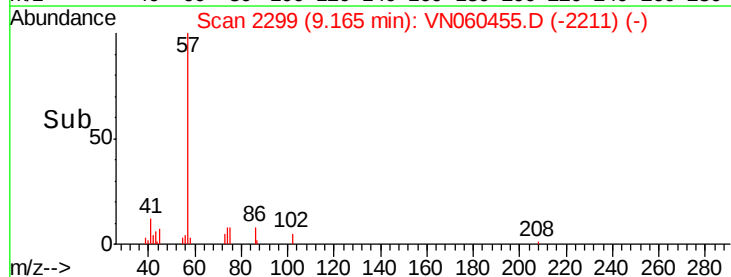
15000

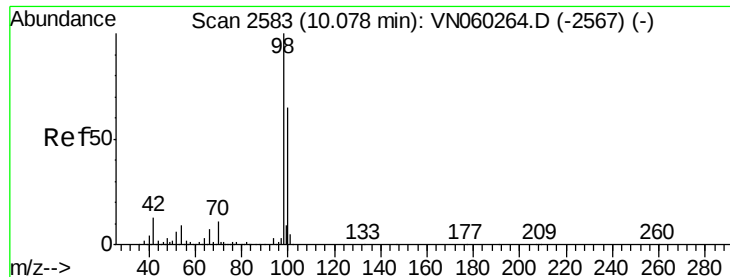
10000

5000

0

Time-->





#50

Toluene-d8

Concen: 52.487 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060455.D

Acq: 11 Mar 2020 17:05

Instrument :

MSVOA_N

ClientSampled :

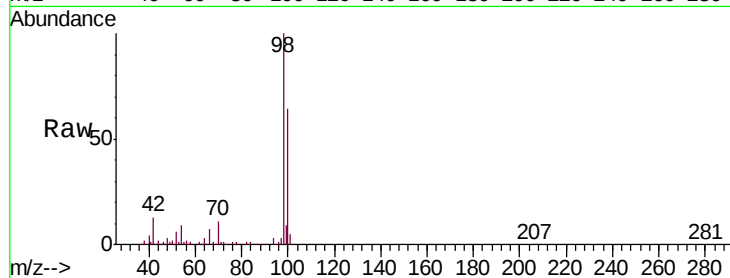
TP-18-DA

Tgt Ion: 98 Resp: 410113

Ion Ratio Lower Upper

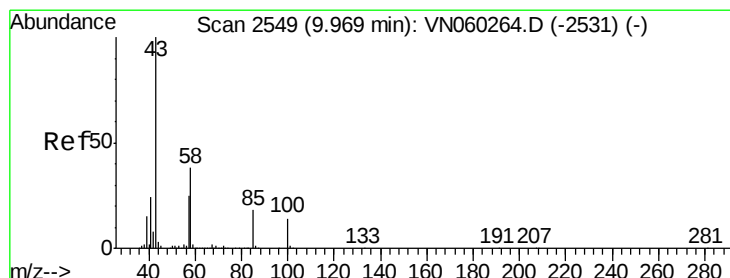
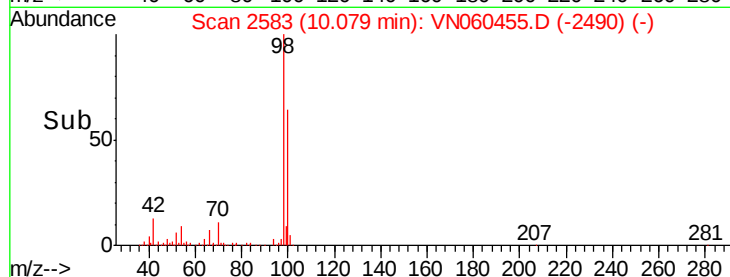
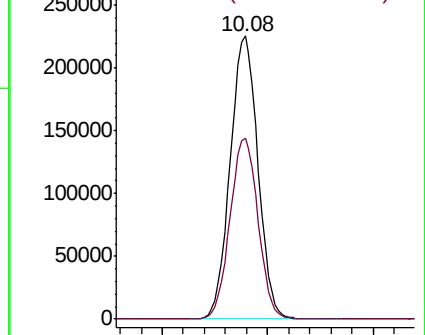
98 100

100 64.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.503 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060455.D

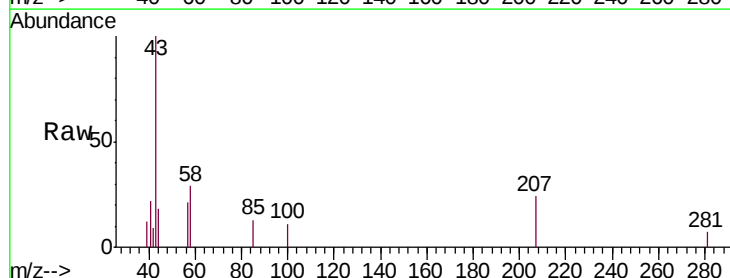
Acq: 11 Mar 2020 17:05

Tgt Ion: 43 Resp: 4477

Ion Ratio Lower Upper

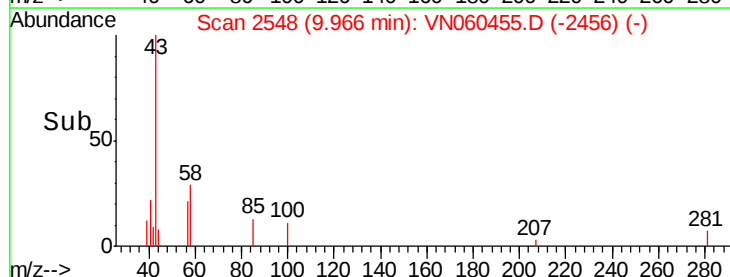
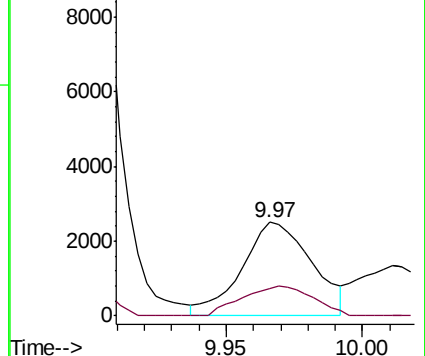
43 100

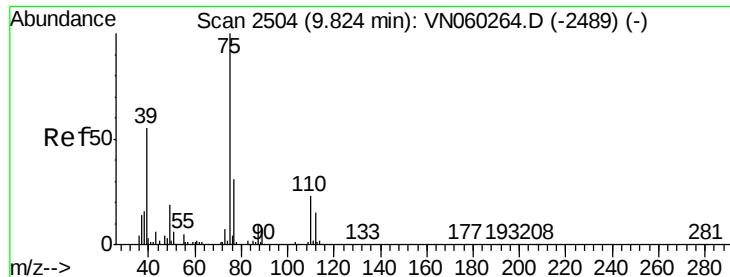
58 32.3 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 5.671 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060455.D

Acq: 11 Mar 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

TP-18-DA

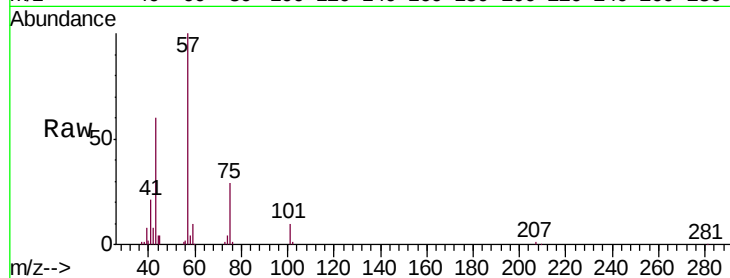
Tgt Ion: 75 Resp: 22920

Ion Ratio Lower Upper

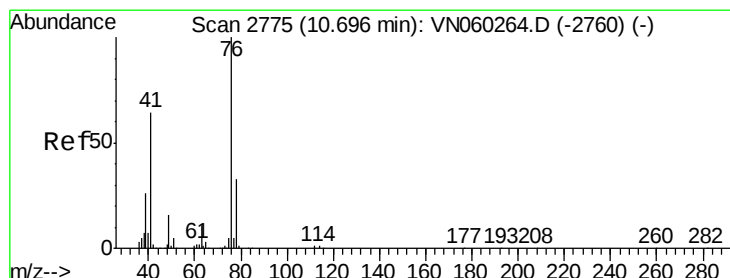
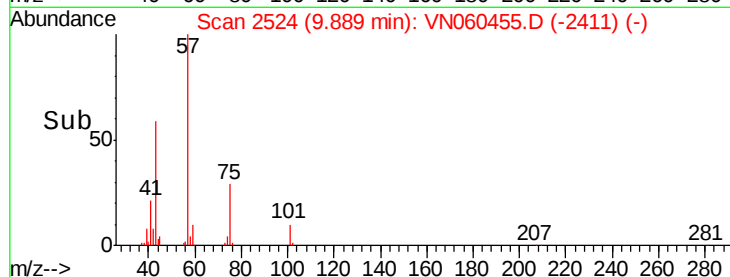
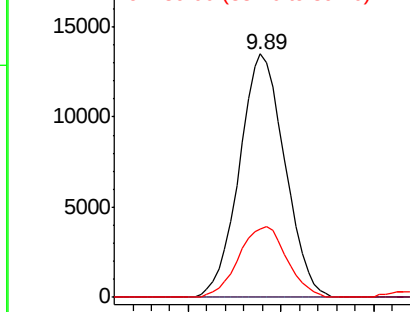
75 100

77 0.0 24.8 37.2#

39 28.3 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: 0.933 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060455.D

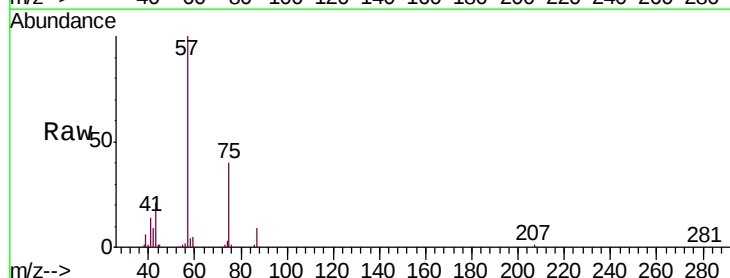
Acq: 11 Mar 2020 17:05

Tgt Ion: 76 Resp: 3545

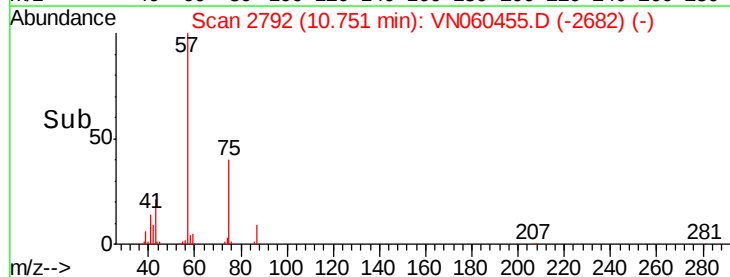
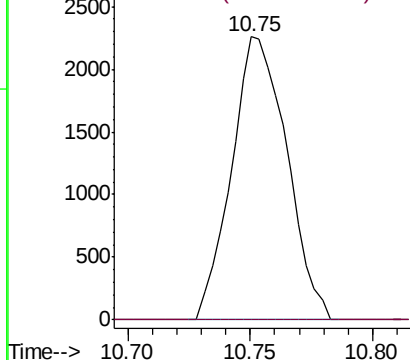
Ion Ratio Lower Upper

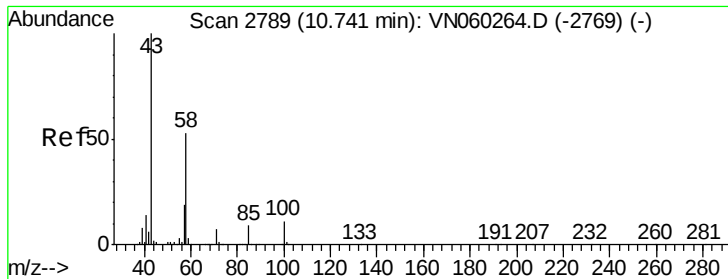
76 100

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

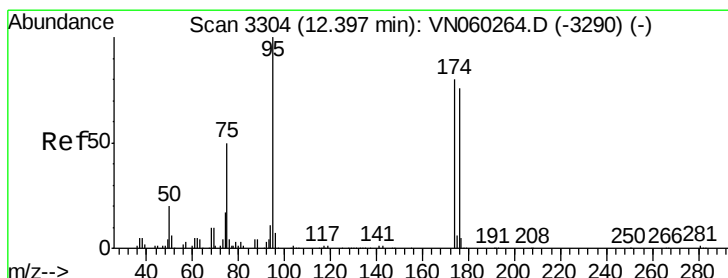
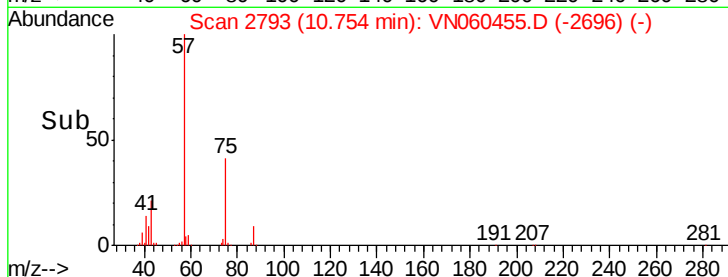
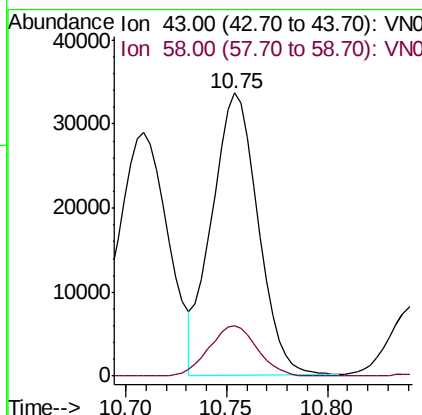
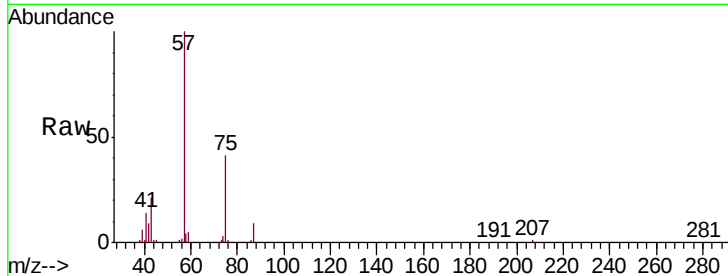




#59
2-Hexanone
Concen: 24.483 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060455.D
Acq: 11 Mar 2020 17:05

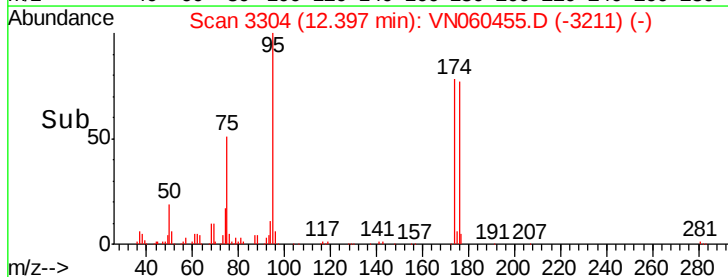
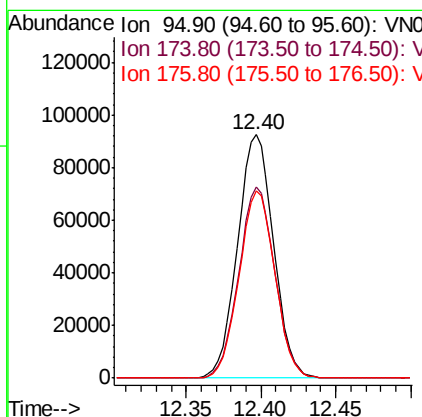
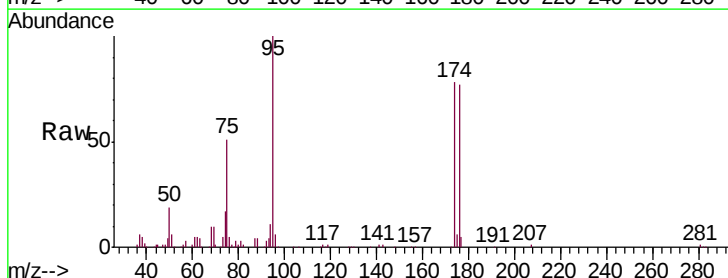
Instrument :
MSVOA_N
ClientSampleId :
TP-18-DA

Tgt Ion: 43 Resp: 53555
Ion Ratio Lower Upper
43 100
58 18.6 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 52.244 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060455.D
Acq: 11 Mar 2020 17:05

Tgt Ion: 95 Resp: 154744
Ion Ratio Lower Upper
95 100
174 78.5 0.0 159.2
176 76.6 0.0 153.8

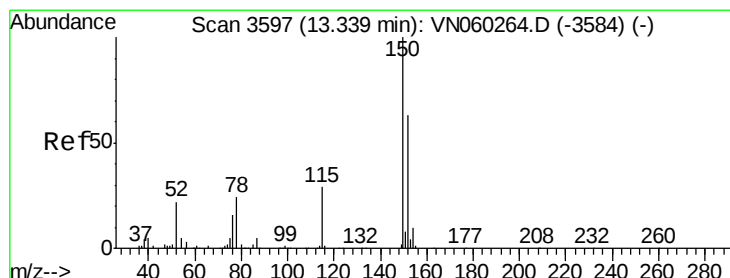
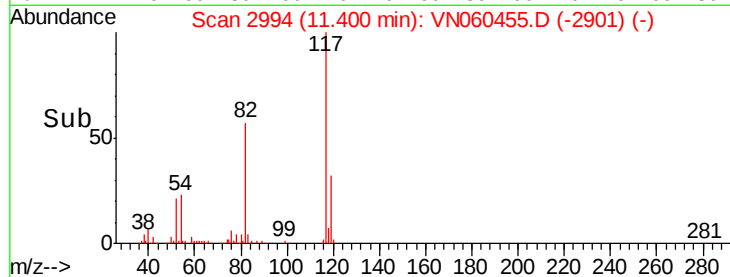
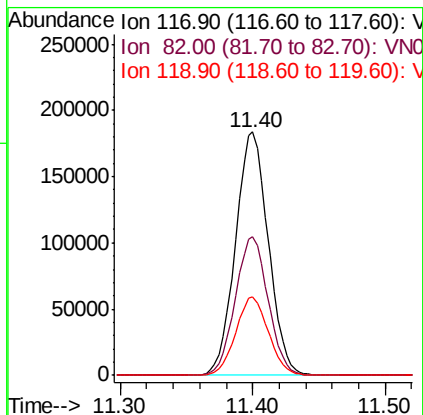
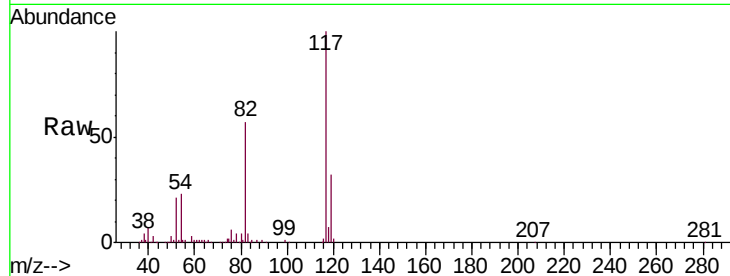




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060455.D
Acq: 11 Mar 2020 17:05

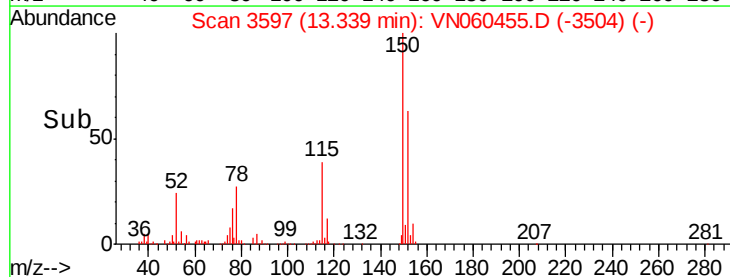
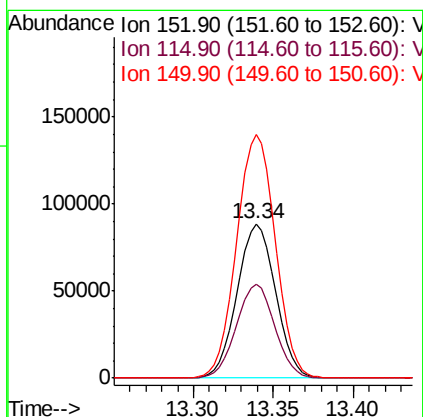
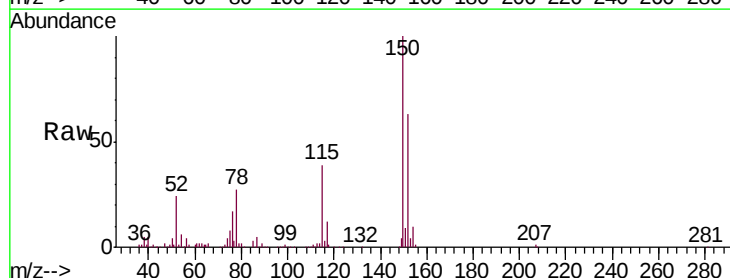
Instrument :
MSVOA_N
ClientSampleId :
TP-18-DA

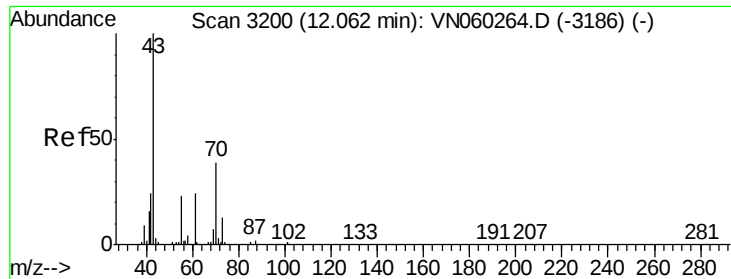
Tgt Ion:117 Resp: 315973
Ion Ratio Lower Upper
117 100
82 57.0 45.8 68.6
119 32.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060455.D
Acq: 11 Mar 2020 17:05

Tgt Ion:152 Resp: 145089
Ion Ratio Lower Upper
152 100
115 60.4 30.0 90.0
150 159.1 0.0 349.6

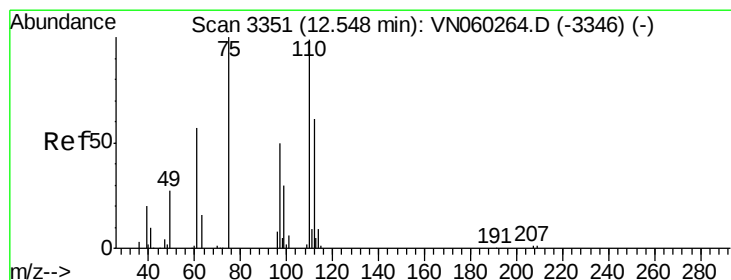
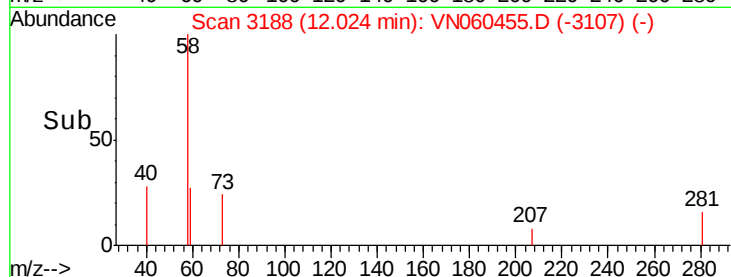
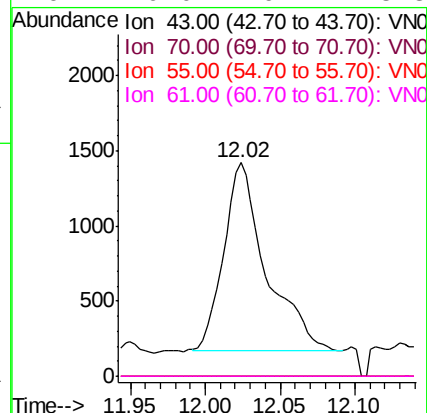
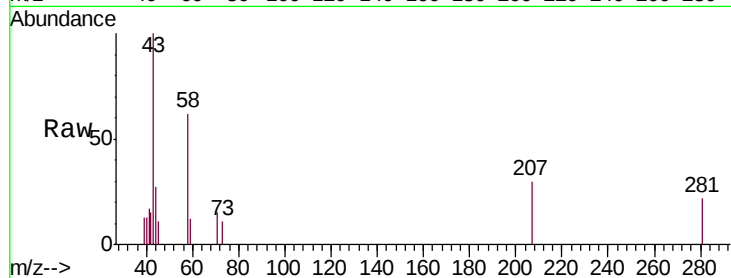




#74
N-ethyl acetate
Concen: 0.529 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060455.D
Acq: 11 Mar 2020 17:05

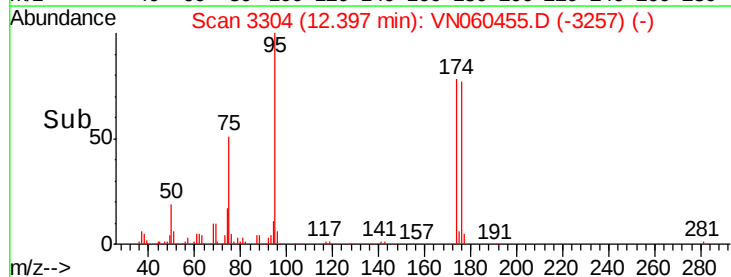
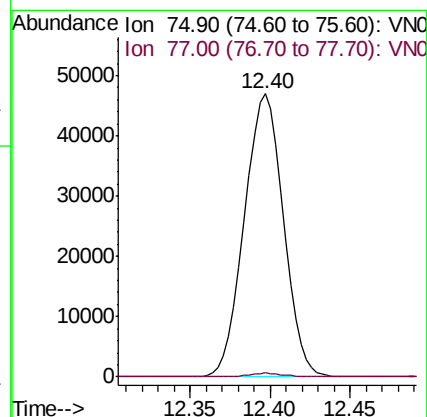
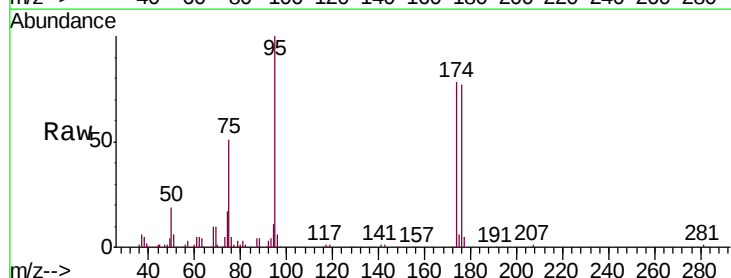
Instrument :
MSVOA_N
ClientSampled :
TP-18-DA

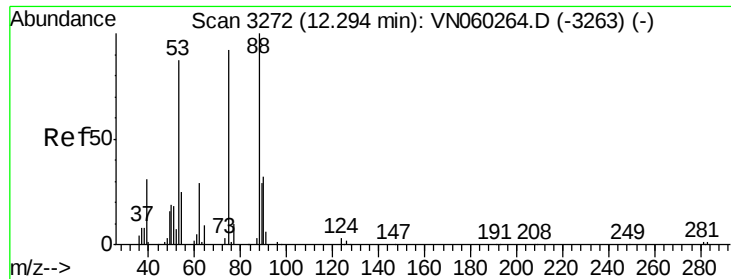
Tgt Ion: 43 Resp: 2484
Ion Ratio Lower Upper
43 100
70 0.0 32.2 48.2#
55 0.0 18.2 27.4#
61 0.0 19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 24.659 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060455.D
Acq: 11 Mar 2020 17:05

Tgt Ion: 75 Resp: 78496
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 68.070 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060455.D

Acq: 11 Mar 2020 17:05

Instrument :

MSVOA_N

ClientSampled :

TP-18-DA

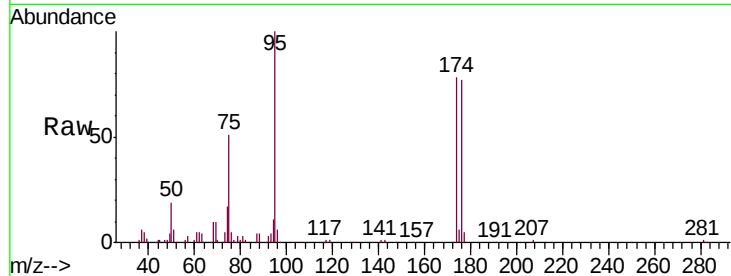
Tgt Ion: 75 Resp: 78496

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

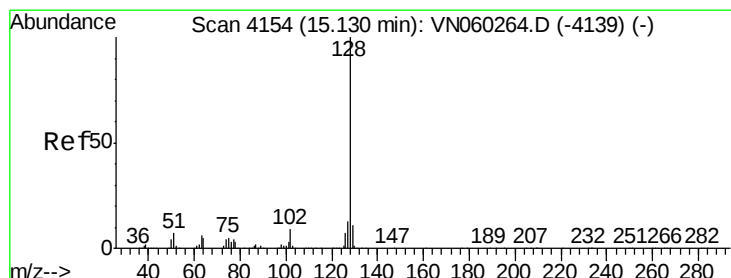
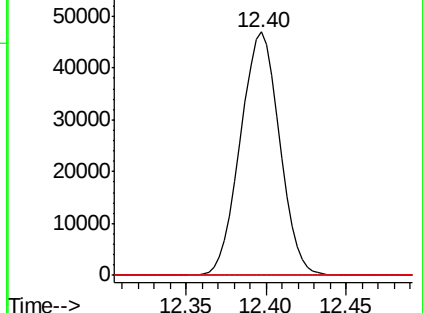
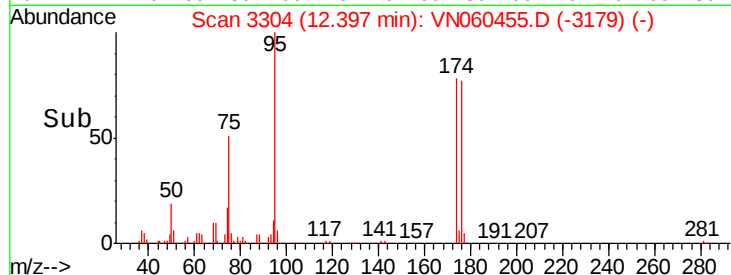
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060455.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060455.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060455.D (-3179) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060455.D

Acq: 11 Mar 2020 17:05

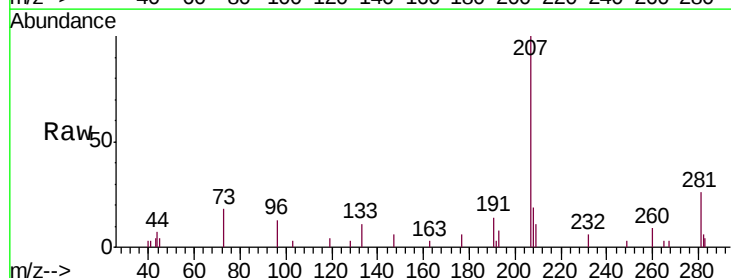
Tgt Ion: 128 Resp: 91

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): VN060455.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN060455.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN060455.D (-4060) (-)

