

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060551.D
 Acq On : 17 Mar 2020 13:10
 Operator : JC/MD
 Sample : L1943-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9A

Quant Time: Mar 18 06:42:59 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	205093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	344617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	314682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139167	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	133543	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	7.57	113	100538	62.85	ug/l	0.00
Spiked Amount			Recovery	=	125.70%	
50) Toluene-d8	10.08	98	422078	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.40	95	152268	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	

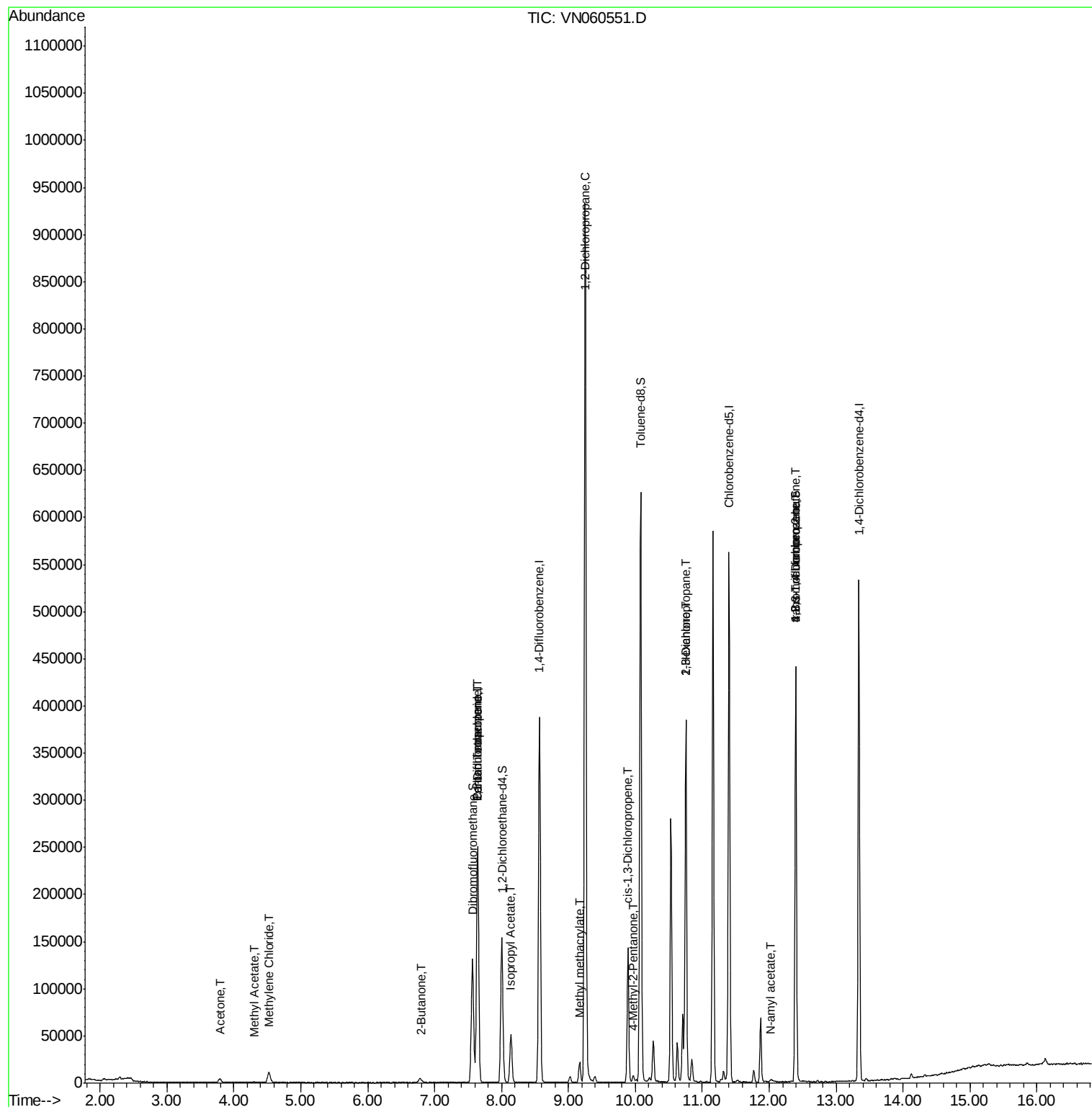
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	7642	8.993	ug/l	97
17) Carbon Disulfide	4.03	76	154	Below Cal	#	75
18) Methyl Acetate	4.30	43	1734	0.611	ug/l #	52
20) Methylene Chloride	4.52	84	8433	3.614	ug/l	98
25) 2-Butanone	6.81	43	1074	0.782	ug/l #	49
31) Cyclohexane	7.63	56	4416	Below Cal	#	8
36) 1,1-Dichloropropene	7.64	75	16355	4.980	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19700	6.161	ug/l #	17
43) Isopropyl Acetate	8.14	43	61010	11.206	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	991	0.397	ug/l #	44
48) Methyl methacrylate	9.16	41	3389	1.365	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5341	1.730	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	24903	5.946	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	4043	1.027	ug/l #	42
59) 2-Hexanone	10.75	43	57939	25.564	ug/l #	51
74) N-amyl acetate	12.02	43	2751	0.610	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	77399	25.349	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77399	69.975	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	61	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	60	Below Cal	#	25
95) Naphthalene	15.13	128	1195	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.30	180	91	Below Cal	#	12

(#) = 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: VN060551.D

Acq: 17 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampleId :

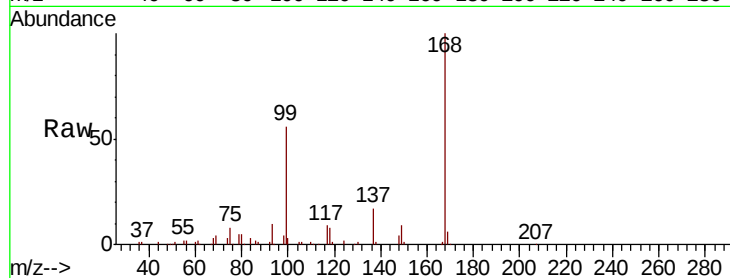
TP-9A

Tot Ion:168 Resp: 205093

Ion Ratio Lower Upper

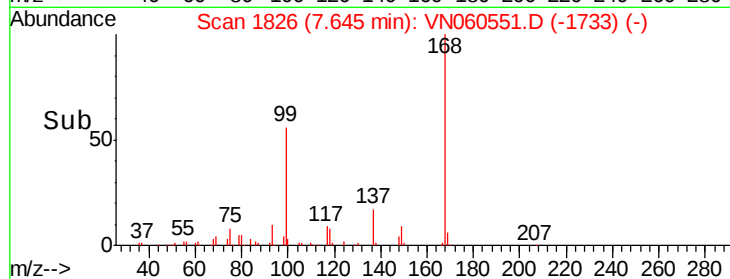
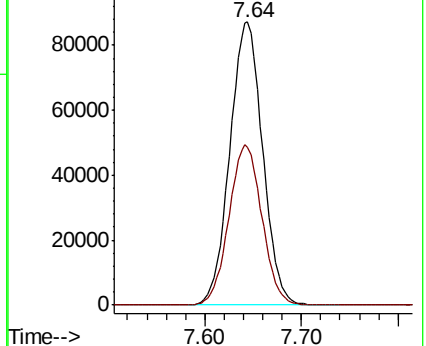
168 100

99 55.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 8.993 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060551.D

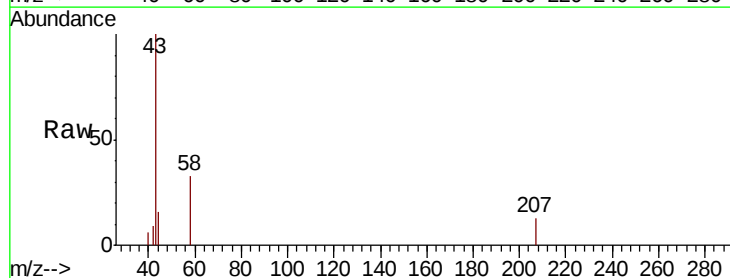
Acq: 17 Mar 2020 13:10

Tgt Ion: 43 Resp: 7642

Ion Ratio Lower Upper

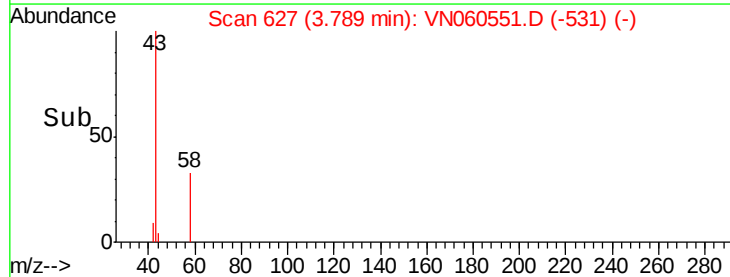
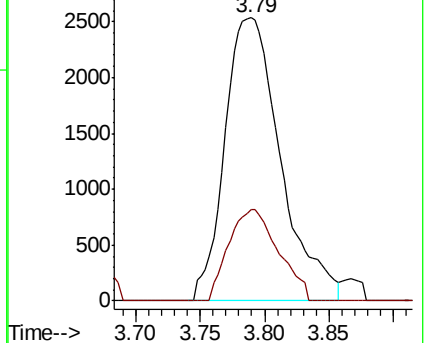
43 100

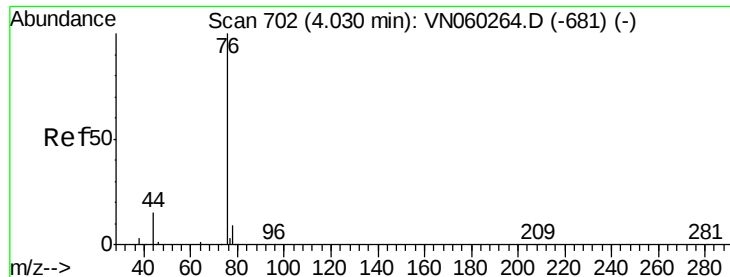
58 32.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060551.D

Acq: 17 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampleId :

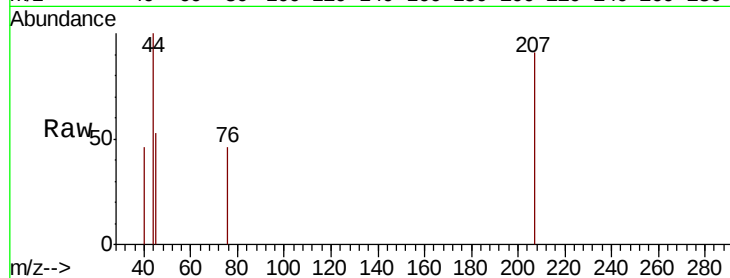
TP-9A

Tot Ion: 76 Resp: 154

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

150

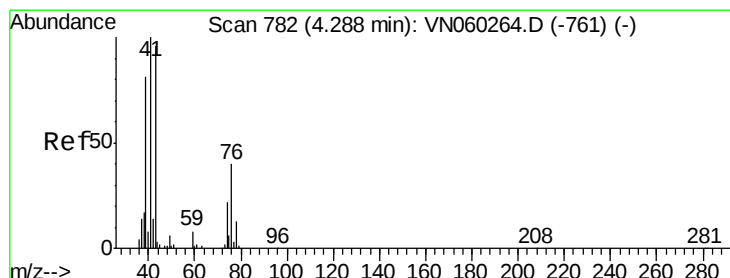
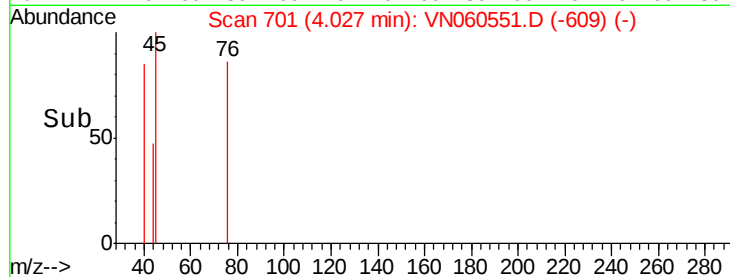
100

50

0

4.01 4.02 4.03 4.04 4.05

Time-->



#18

Methyl Acetate

Concen: 0.611 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.02 min

Lab File: VN060551.D

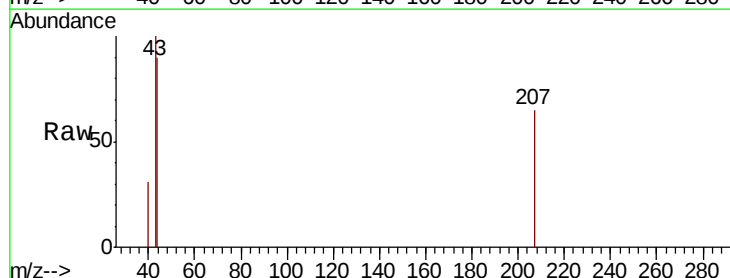
Acq: 17 Mar 2020 13:10

Tgt Ion: 43 Resp: 1734

Ion Ratio Lower Upper

43 100

74 0.0 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

600

500

400

300

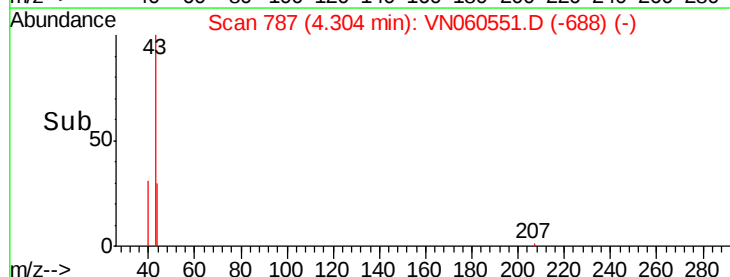
200

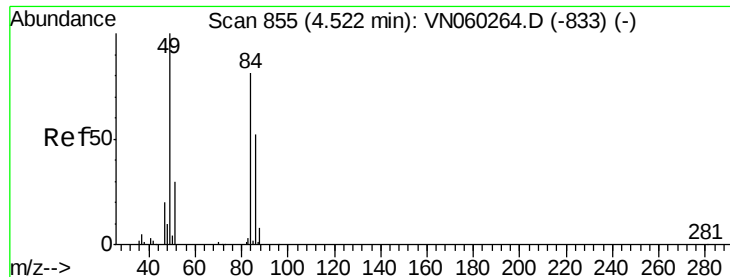
100

0

4.25 4.30 4.35

Time-->





#20

Methylene Chloride

Concen: 3.614 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060551.D

Acq: 17 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampled :

TP-9A

Tot Ion: 84 Resp: 8433

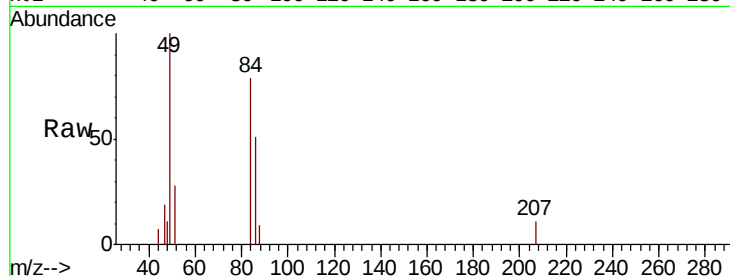
Ion Ratio Lower Upper

84 100

49 127.2 99.3 148.9

51 36.2 30.1 45.1

86 64.7 51.1 76.7

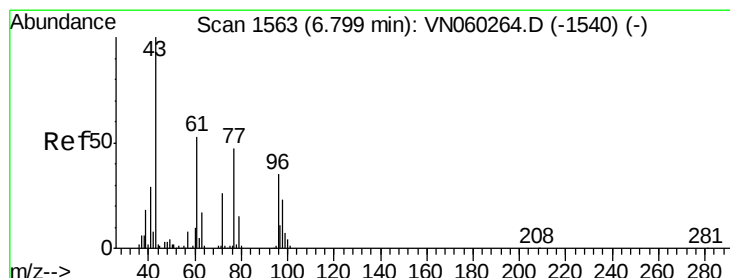
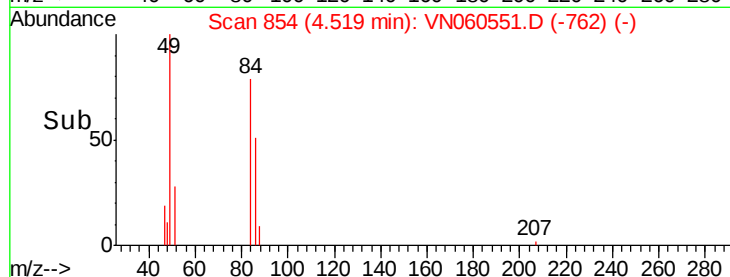
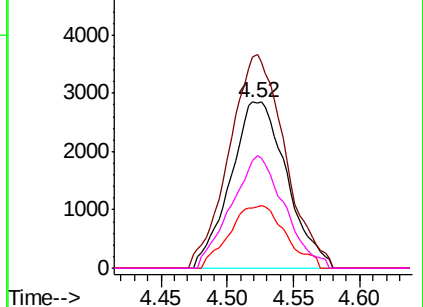


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.782 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN060551.D

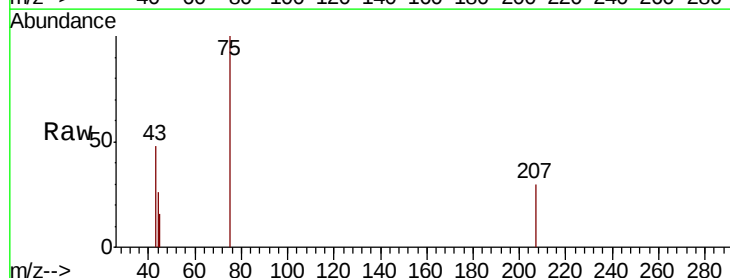
Acq: 17 Mar 2020 13:10

Tgt Ion: 43 Resp: 1074

Ion Ratio Lower Upper

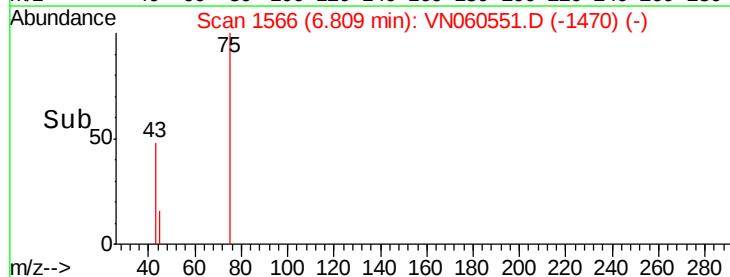
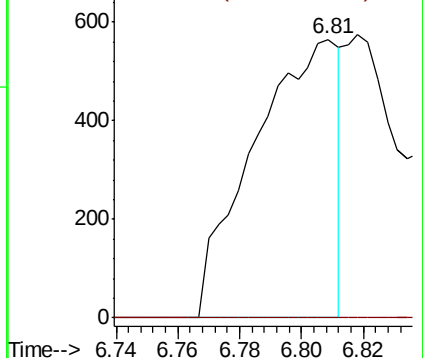
43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

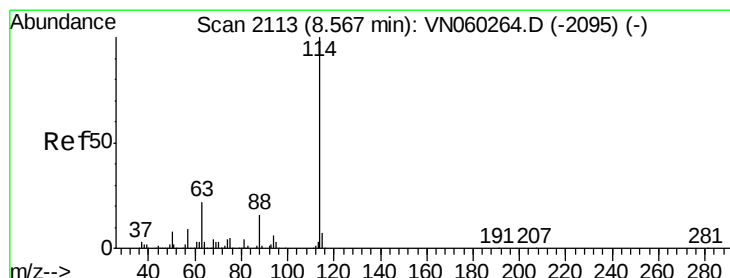
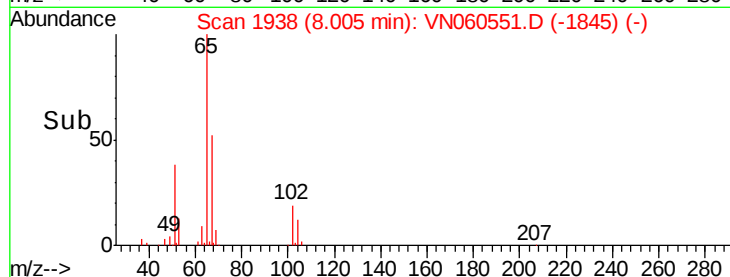
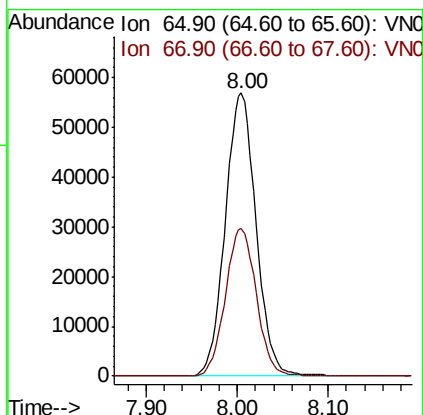
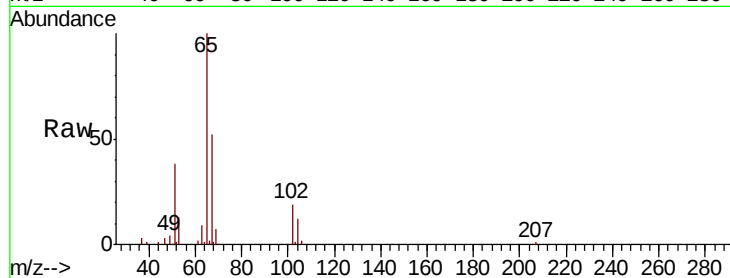




#33
 1,2-Dichloroethane-d4
 Concen: 50.750 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060551.D
 Acq: 17 Mar 2020 13:10

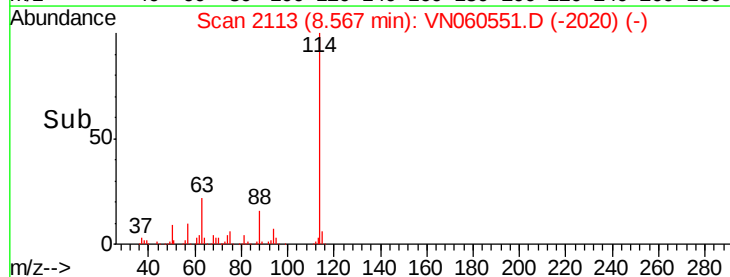
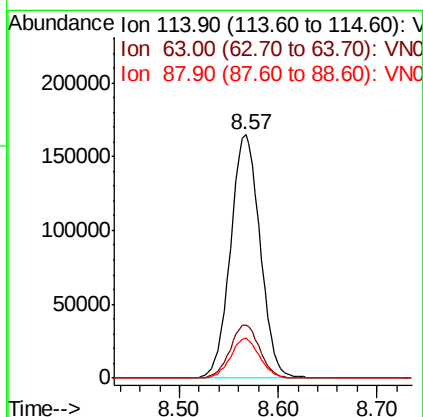
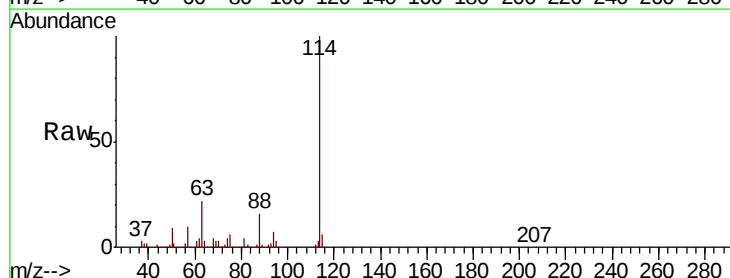
Instrument :
 MSVOA_N
 ClientSampled :
 TP-9A

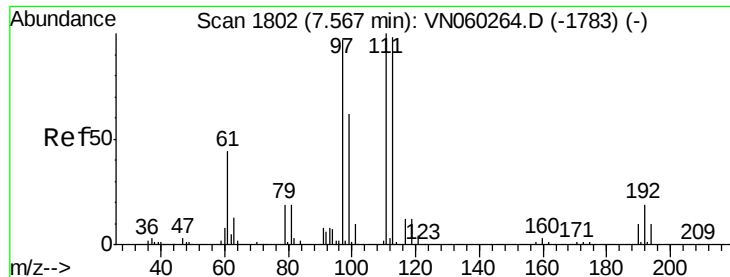
Tot Ion: 65 Resp: 133543
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060551.D
 Acq: 17 Mar 2020 13:10

Tgt Ion: 114 Resp: 344617
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.2
 88 16.3 0.0 31.6

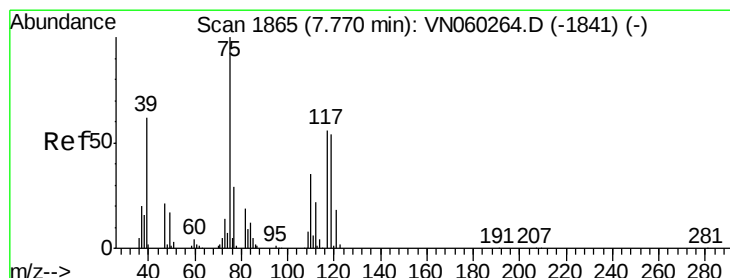
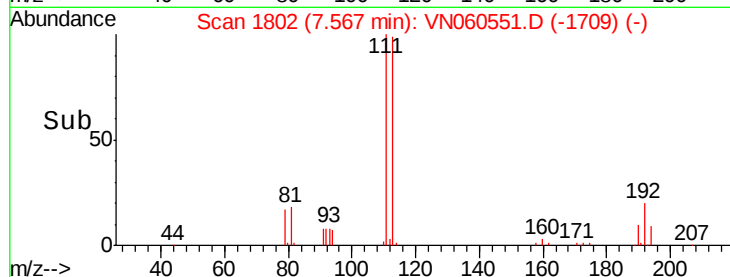
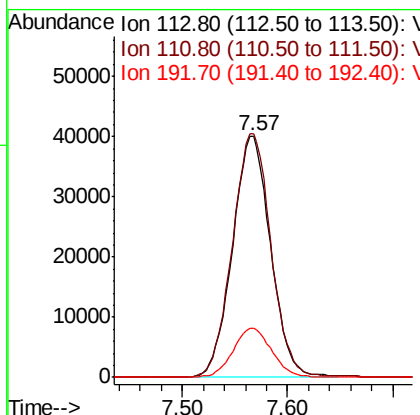
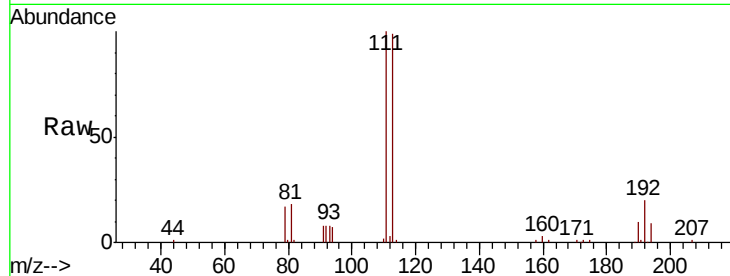




#35
 Dibromofluoromethane
 Concen: 62.852 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060551.D
 Acq: 17 Mar 2020 13:10

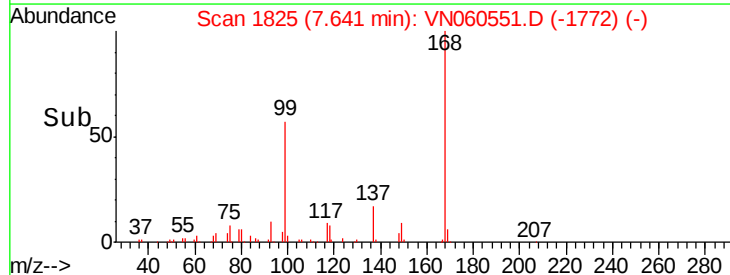
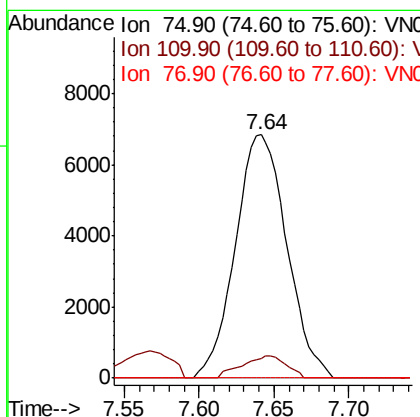
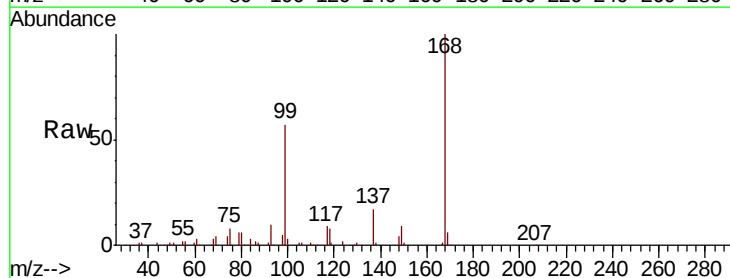
Instrument :
 MSVOA_N
 ClientSampled :
 TP-9A

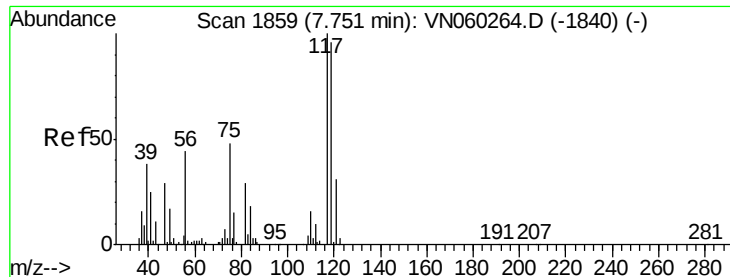
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	20.6	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.980 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060551.D
 Acq: 17 Mar 2020 13:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.3	52.0#
77	0.0	24.2	36.2#





#38

Carbon Tetrachloride

Concen: 6.161 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060551.D

Acq: 17 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampled :

TP-9A

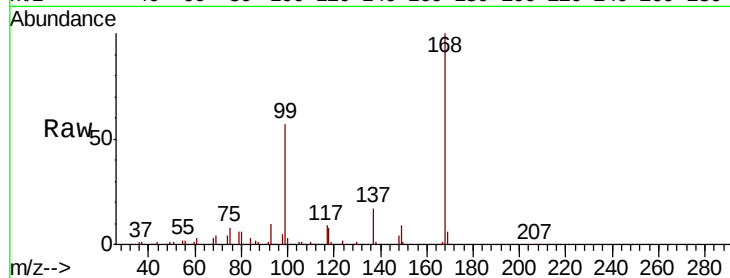
Tot Ion:117 Resp: 19700

Ion Ratio Lower Upper

117 100

119 5.8 76.7 115.1#

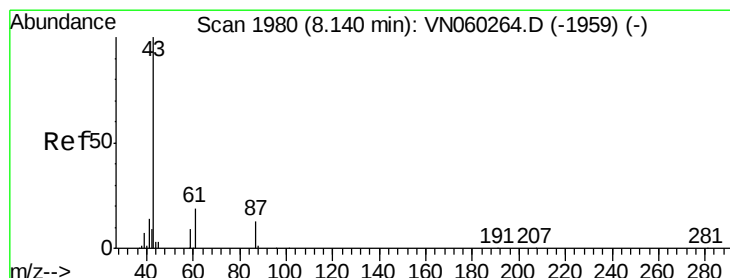
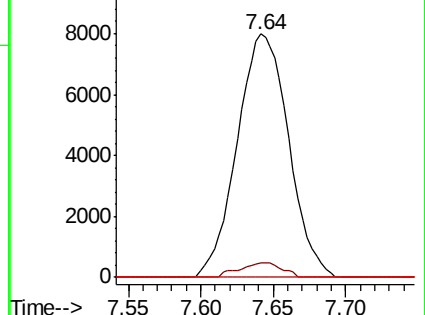
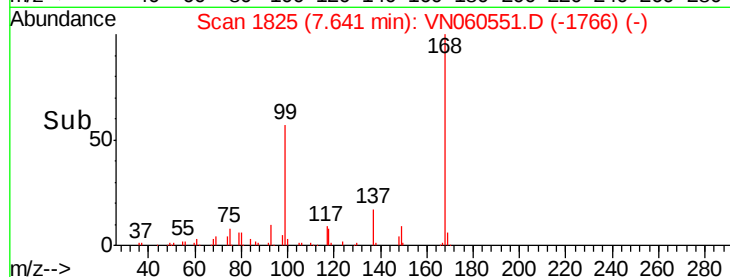
121 0.0 24.5 36.7#



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: 11.206 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060551.D

Acq: 17 Mar 2020 13:10

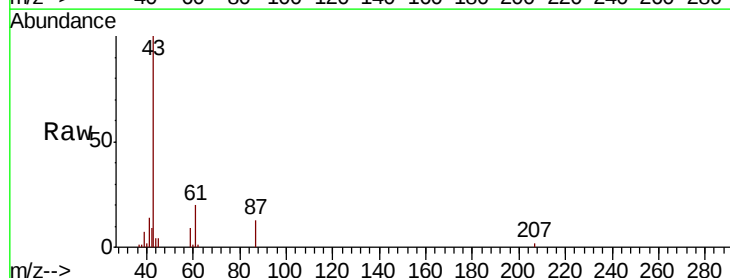
Tgt Ion: 43 Resp: 61010

Ion Ratio Lower Upper

43 100

61 19.8 20.9 31.3#

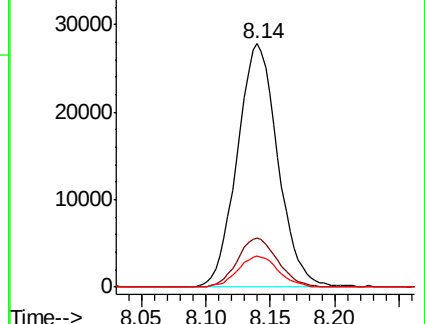
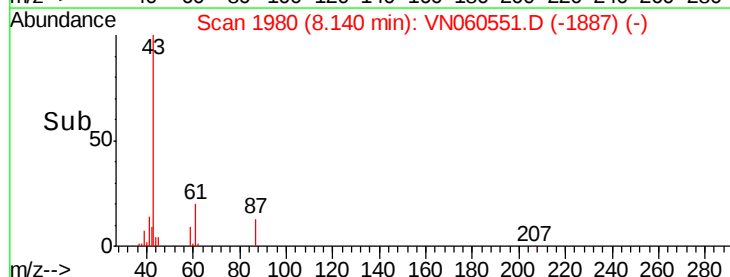
87 12.7 10.6 16.0

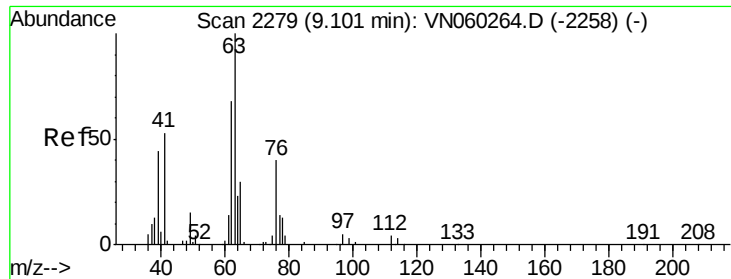


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.397 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060551.D

Acq: 17 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampleId :

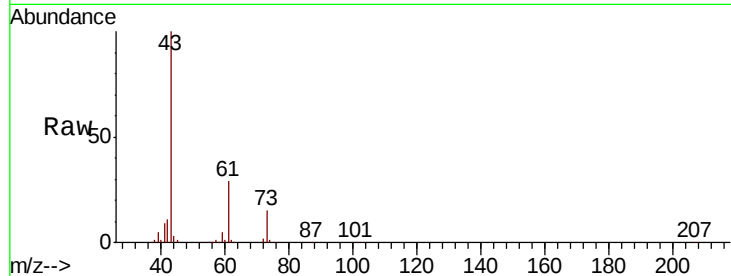
TP-9A

Tot Ion: 63 Resp: 991

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

9.25

600

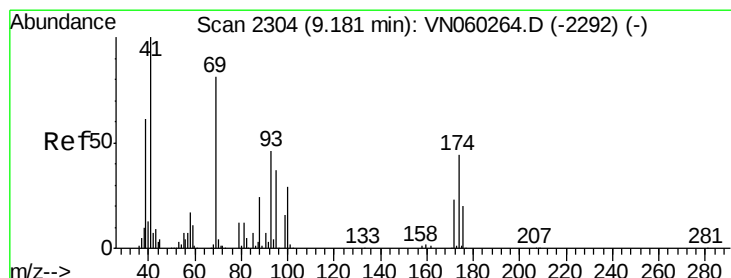
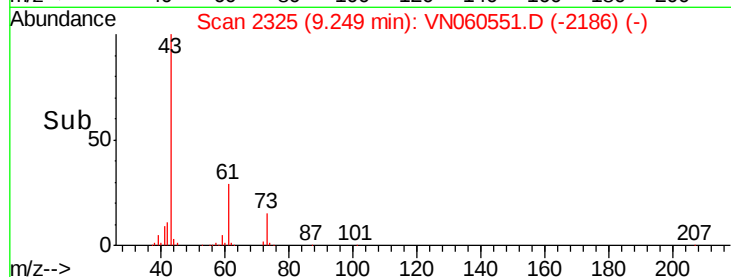
400

200

0

9.22 9.24 9.26 9.28

Time-->



#48

Methyl methacrylate

Concen: 1.365 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060551.D

Acq: 17 Mar 2020 13:10

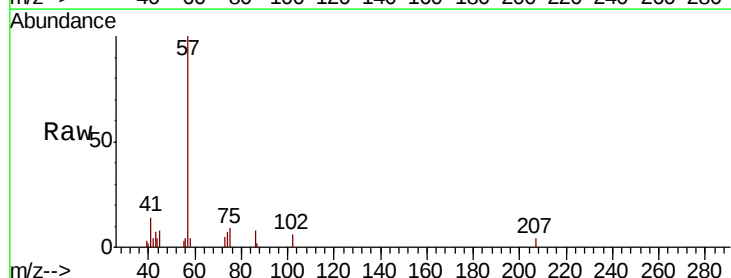
Tgt Ion: 41 Resp: 3389

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

40000

30000

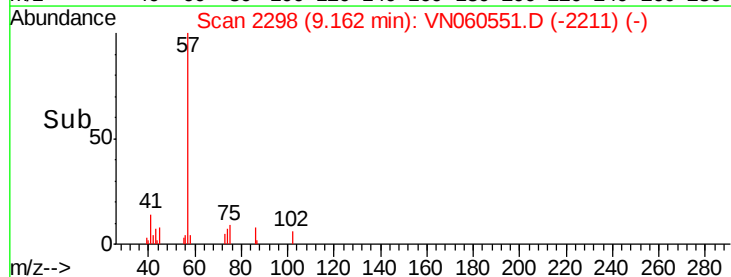
20000

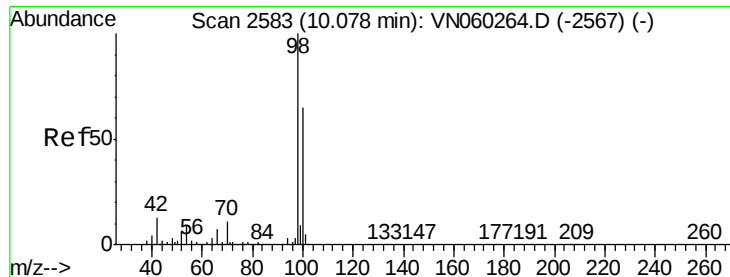
10000

0

9.10 9.15 9.20

Time-->





#50

Toluene-d8

Concen: 52.136 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060551.D

Acq: 17 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampled :

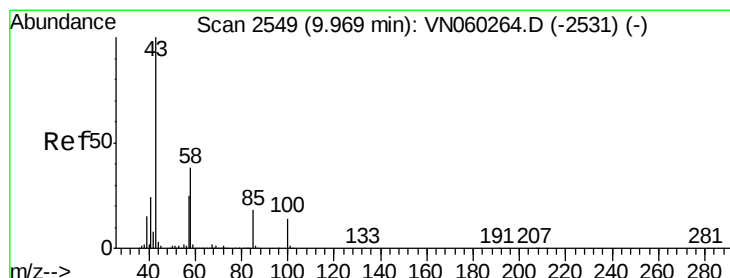
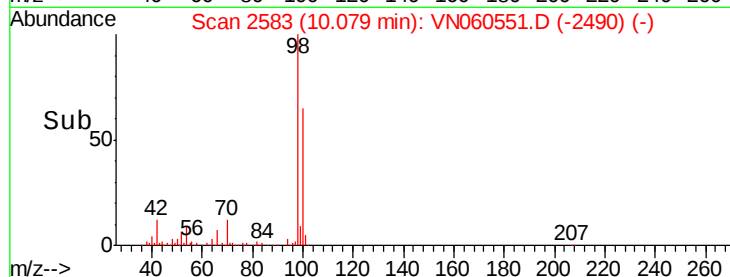
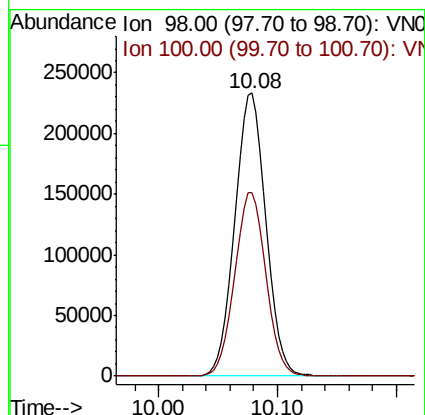
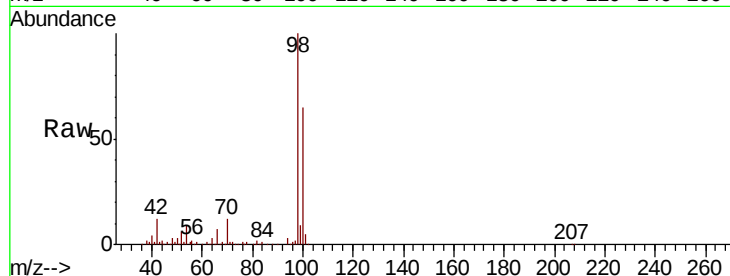
TP-9A

Tot Ion: 98 Resp: 422078

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.730 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060551.D

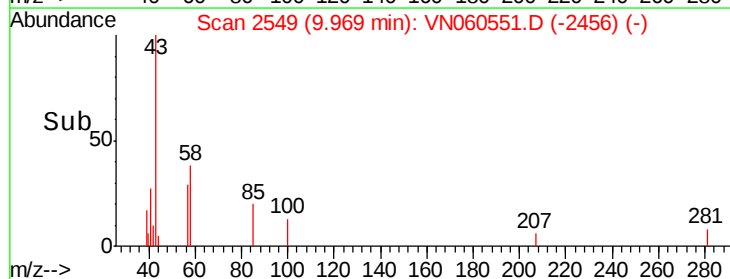
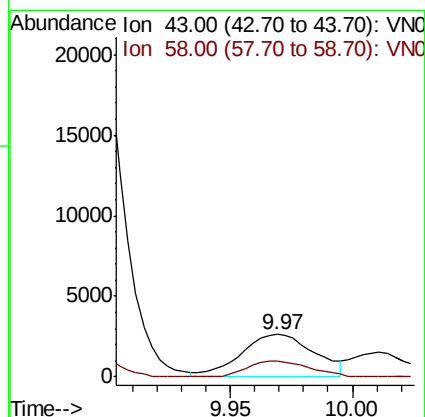
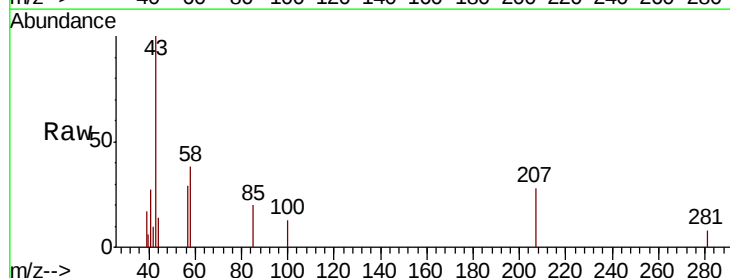
Acq: 17 Mar 2020 13:10

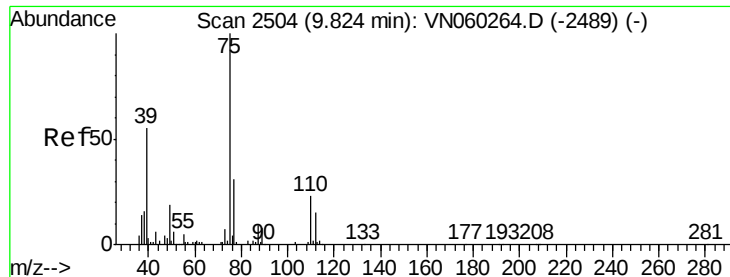
Tgt Ion: 43 Resp: 5341

Ion Ratio Lower Upper

43 100

58 32.0 30.9 46.3





#54

cis-1,3-Dichloropropene

Concen: 5.946 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060551.D

Acq: 17 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampleId :

TP-9A

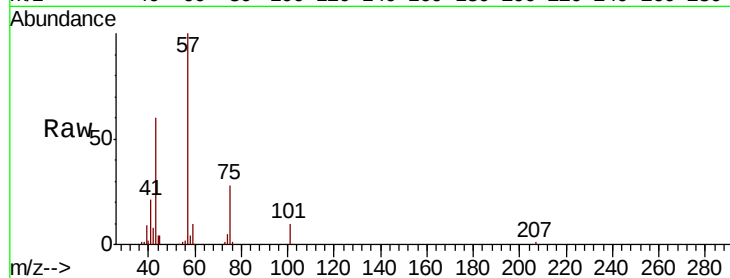
Tot Ion: 75 Resp: 24903

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

39 30.8 43.8 65.8#

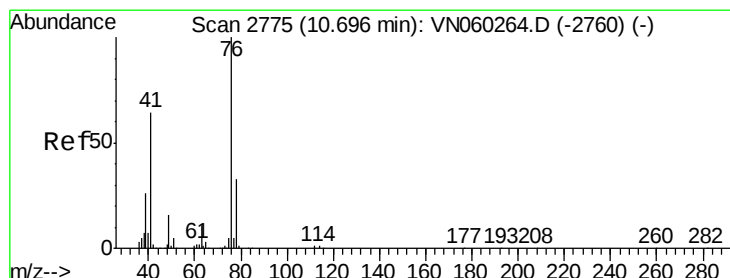
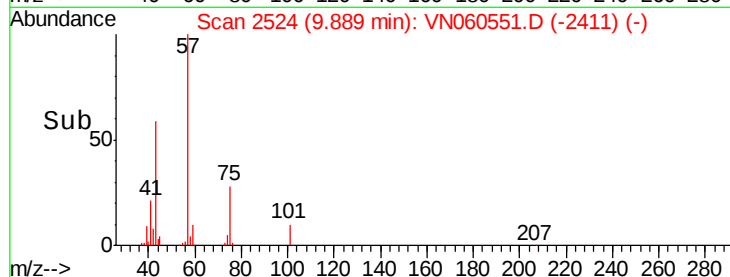
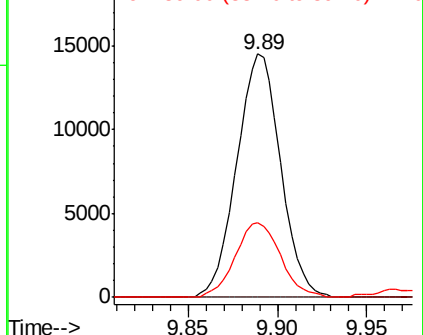


Abundance

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: 1.027 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN060551.D

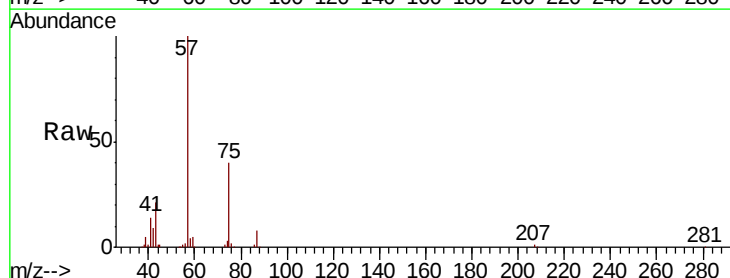
Acq: 17 Mar 2020 13:10

Tgt Ion: 76 Resp: 4043

Ion Ratio Lower Upper

76 100

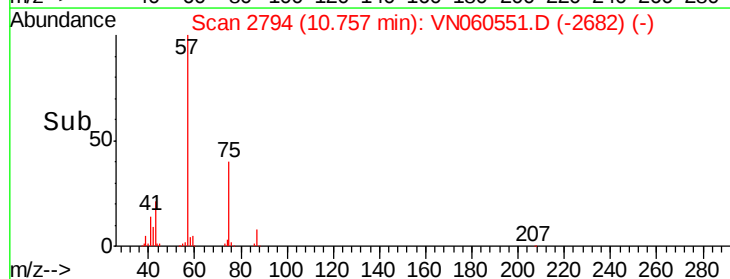
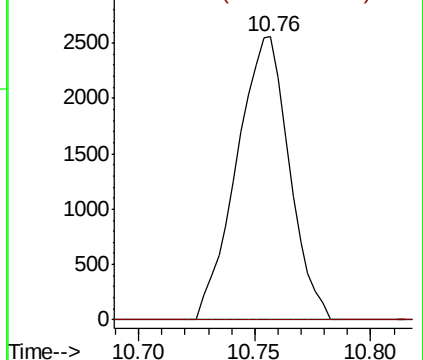
78 0.0 26.2 39.2#

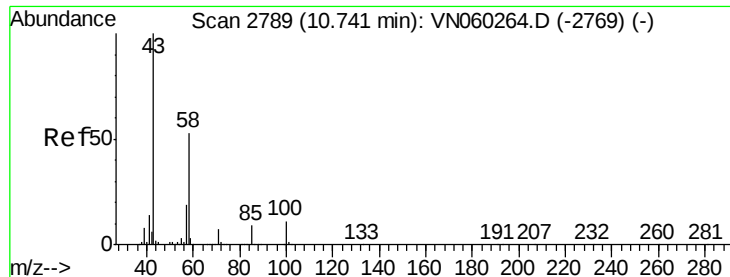


Abundance

Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

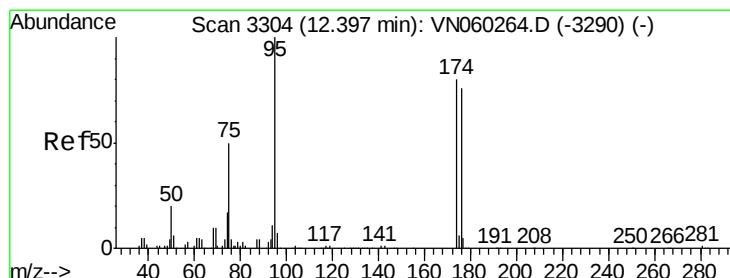
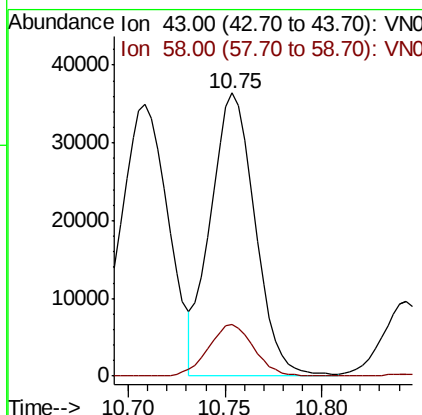
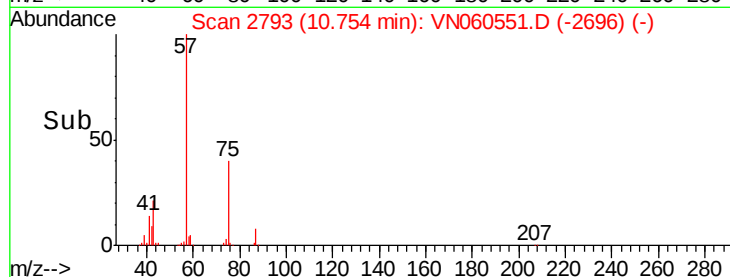
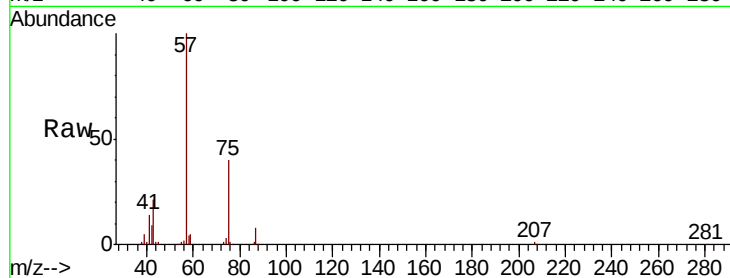




#59
2-Hexanone
Concen: 25.564 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060551.D
Acq: 17 Mar 2020 13:10

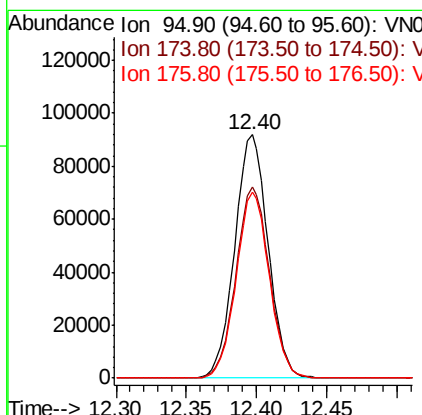
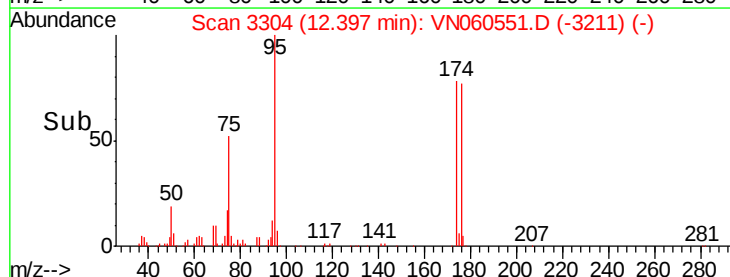
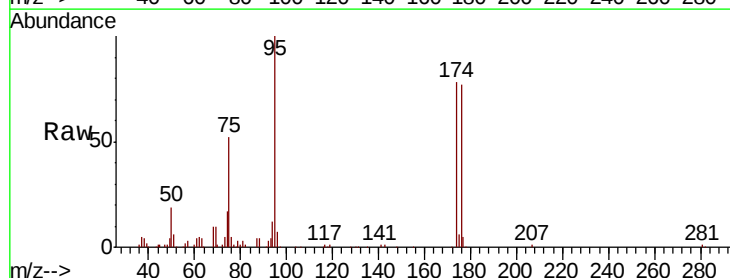
Instrument :
MSVOA_N
ClientSampleId :
TP-9A

Tot Ion: 43 Resp: 57939
Ion Ratio Lower Upper
43 100
58 18.6 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 49.616 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060551.D
Acq: 17 Mar 2020 13:10

Tgt Ion: 95 Resp: 152268
Ion Ratio Lower Upper
95 100
174 79.0 0.0 159.2
176 75.8 0.0 153.8

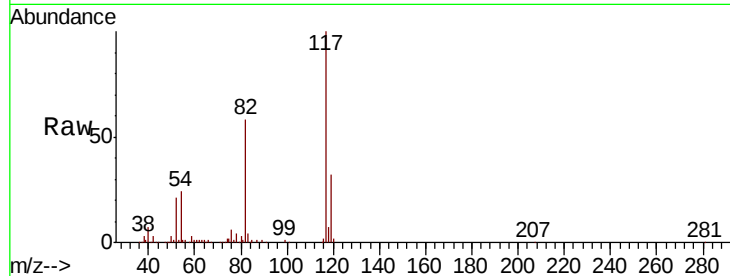




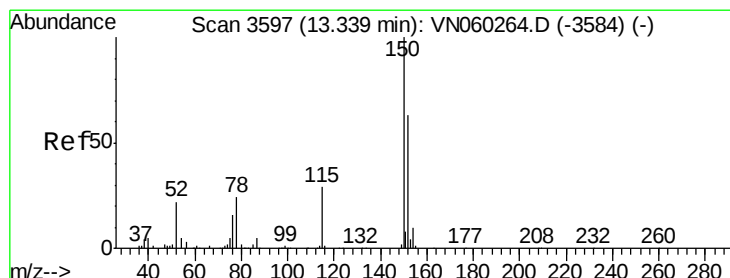
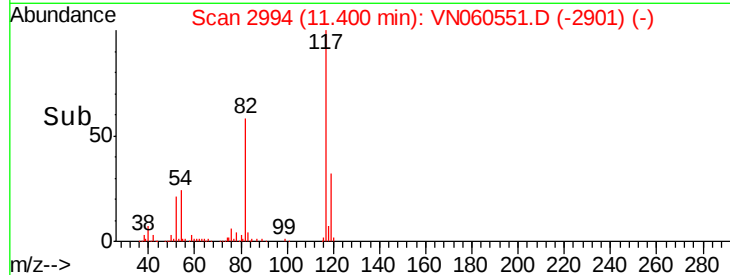
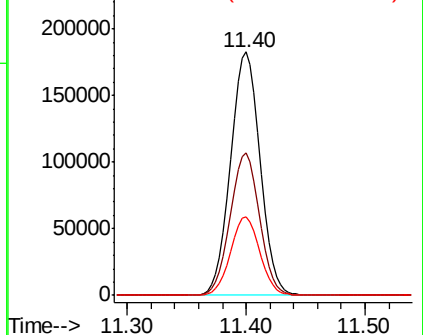
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060551.D
Acq: 17 Mar 2020 13:10

Instrument :
MSVOA_N
ClientSampled :
TP-9A

Tot Ion:117 Resp: 314682
Ion Ratio Lower Upper
117 100
82 58.4 45.8 68.6
119 32.1 25.8 38.8

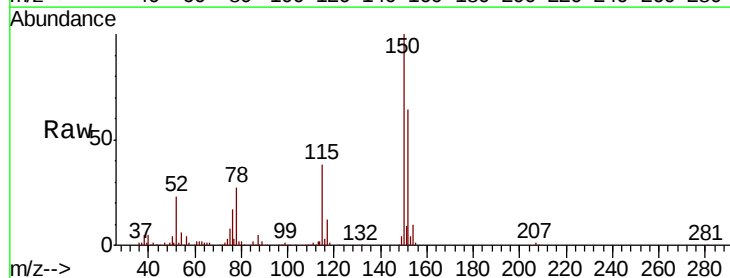


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

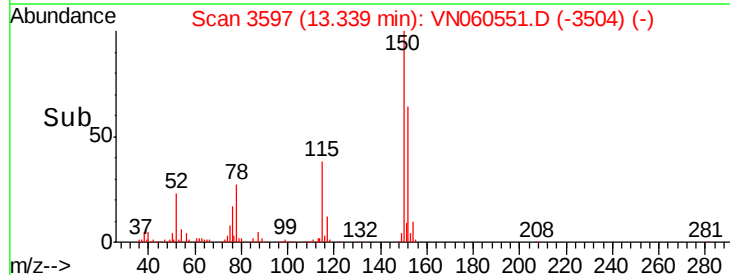
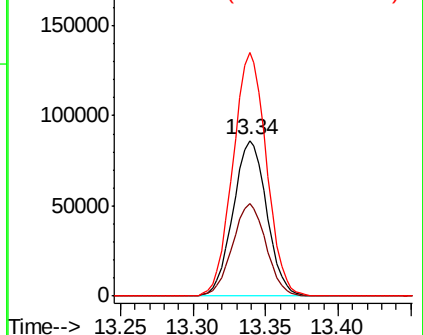


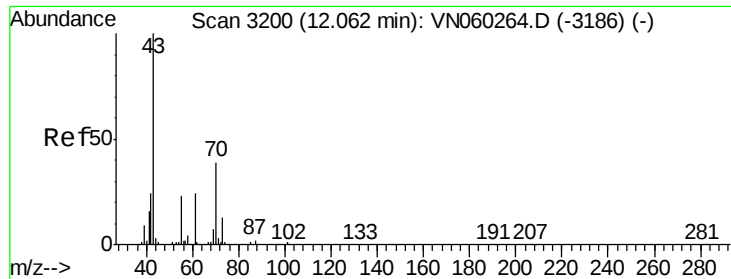
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060551.D
Acq: 17 Mar 2020 13:10

Tgt Ion:152 Resp: 139167
Ion Ratio Lower Upper
152 100
115 59.2 30.0 90.0
150 156.4 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-amvl acetate

Concen: 0.610 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060551.D

Acq: 17 Mar 2020 13:10

Instrument :

MSVOA_N

ClientSampleId :

TP-9A

Tot Ion: 43 Resp: 2751

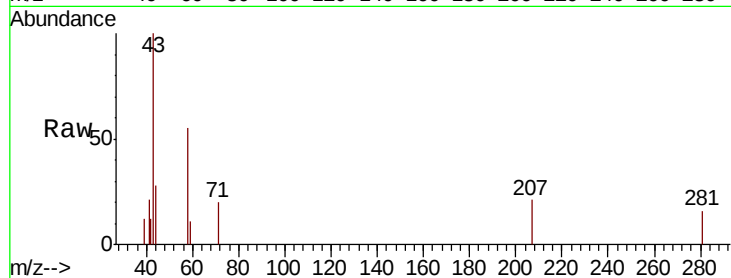
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

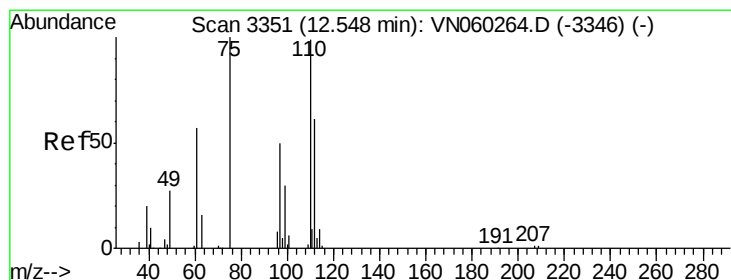
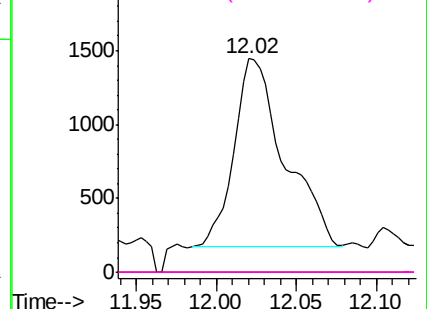
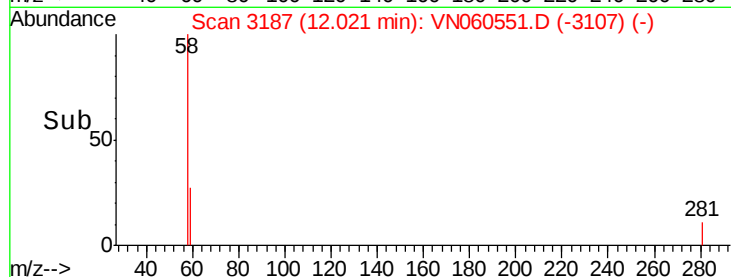


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.349 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060551.D

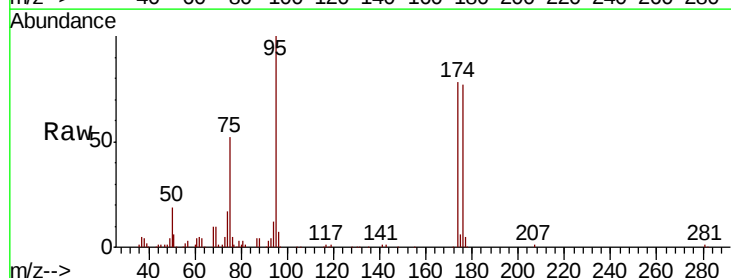
Acq: 17 Mar 2020 13:10

Tgt Ion: 75 Resp: 77399

Ion Ratio Lower Upper

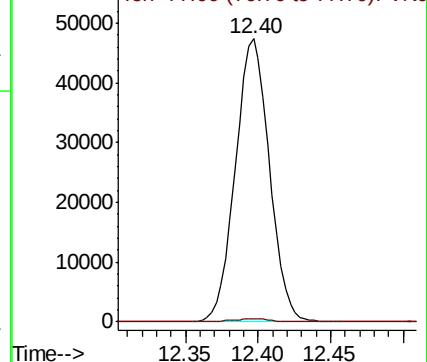
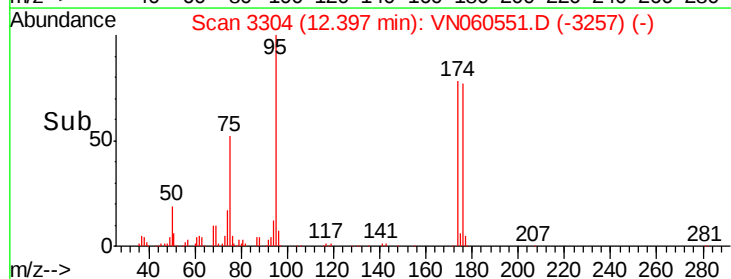
75 100

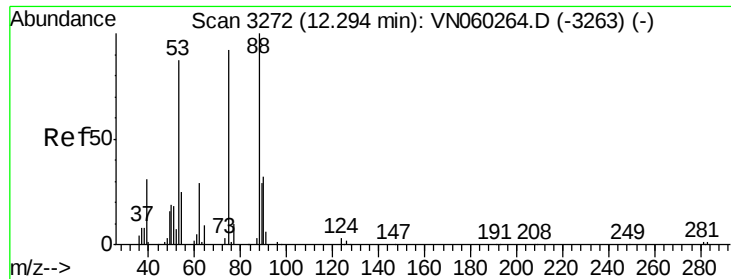
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

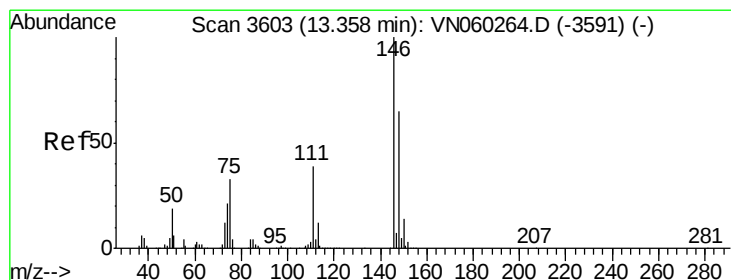
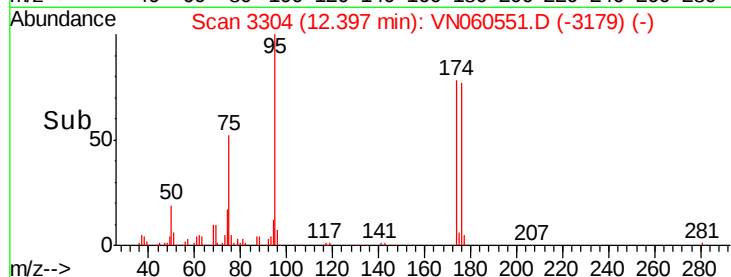
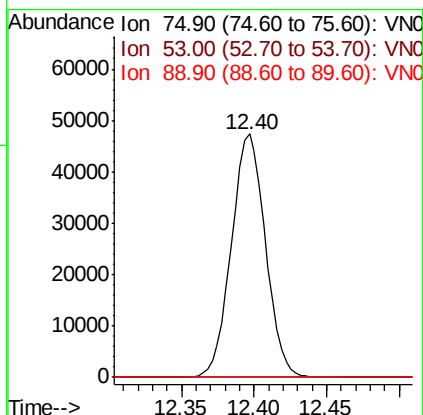
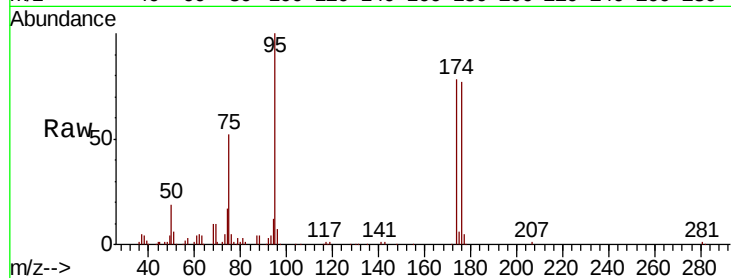




#81
trans-1,4-Dichloro-2-butene
Concen: 69.975 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060551.D
Acq: 17 Mar 2020 13:10

Instrument :
MSVOA_N
ClientSampleId :
TP-9A

Tot Ion: 75 Resp: 77399
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN060551.D
Acq: 17 Mar 2020 13:10

Tgt Ion: 146 Resp: 60
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 0.0 32.3 96.9#

