

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
 Data File : VN060300.D
 Acq On : 2 Mar 2020 10:28
 Operator : JC/MD
 Sample : VN0302WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 03 05:43:03 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	207411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	337139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139646	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	131913	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
35) Dibromofluoromethane	7.56	113	94854	60.61	ug/l	0.00
Spiked Amount			Recovery	=	121.22%	
50) Toluene-d8	10.08	98	414212	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.40	95	149717	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	

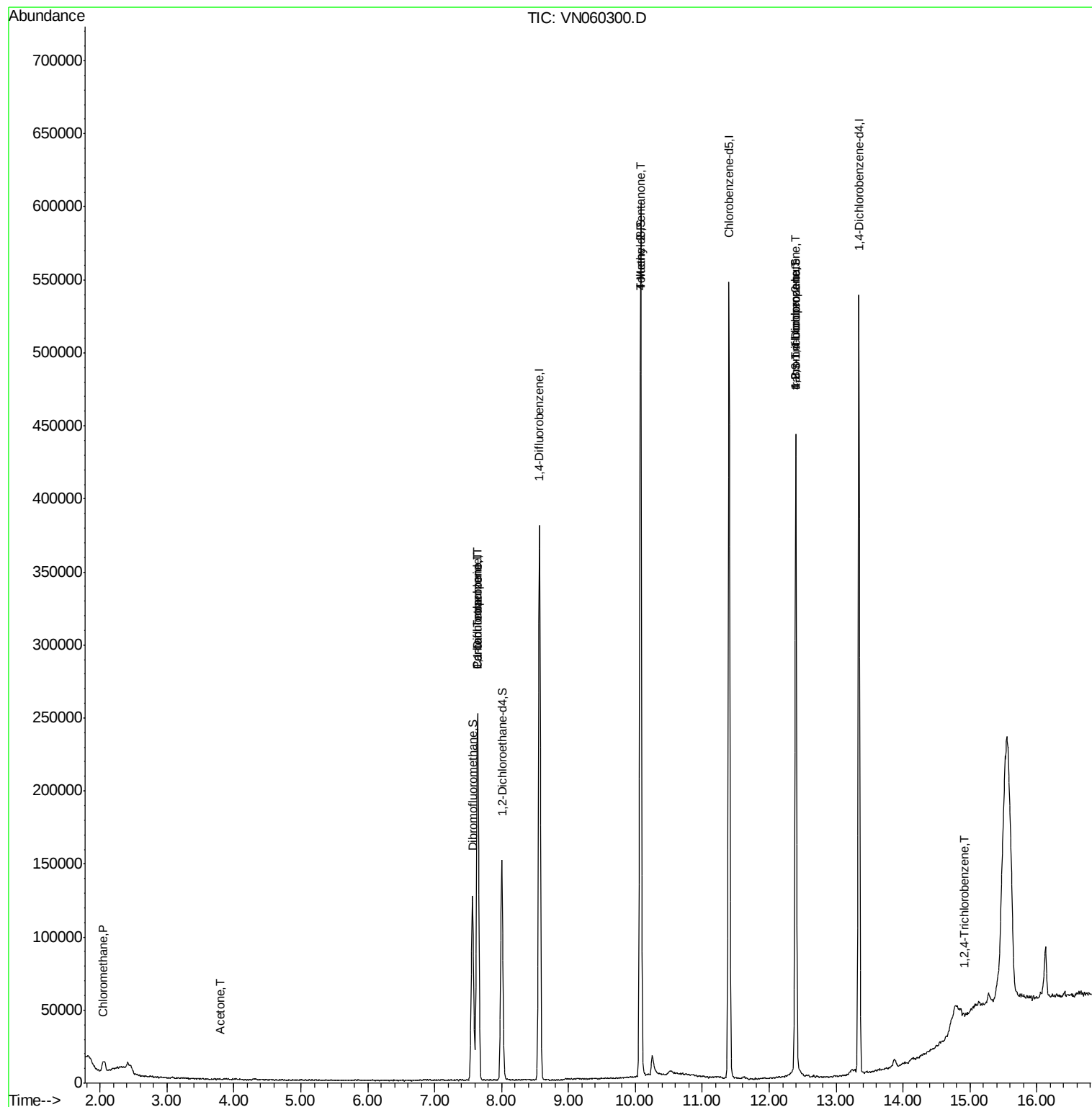
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1366	0.413	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	58	Below Cal	#	1
16) Acetone	3.79	43	306	0.356	ug/l #	44
17) Carbon Disulfide	4.02	76	347	Below Cal	#	75
21) trans-1,2-Dichloroethene	5.00	96	195	Below Cal	#	1
31) Cyclohexane	7.64	56	4479	Below Cal	#	7
36) 1,1-Dichloropropene	7.64	75	16314	5.077	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19624	6.273	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	1873	0.620	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	78456	25.607	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	78456	70.688	ug/l #	8
87) 1,3-Dichlorobenzene	13.27	146	166	Below Cal	#	44
88) 1,4-Dichlorobenzene	13.36	146	454	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	14.91	180	449	0.247	ug/l #	78
95) Naphthalene	15.13	128	1754	Below Cal	#	81

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

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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# 1825

Delta R.T. -0.00 min

Lab File: VN060300.D

Acq: 2 Mar 2020 10:28

Instrument :

MSVOA_N

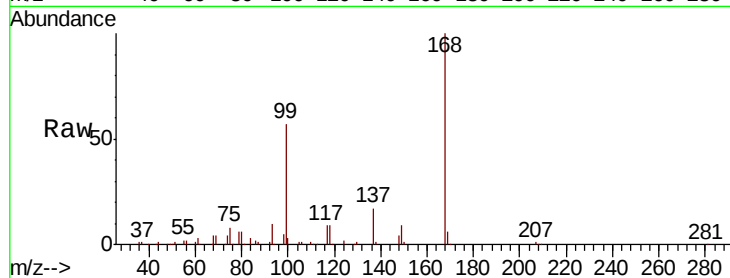
ClientSampled :

Tot Ion:168 Resp: 207411

Ion Ratio Lower Upper

168 100

99 56.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN060264.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060264.D (-1806) (-)

7.64

80000

60000

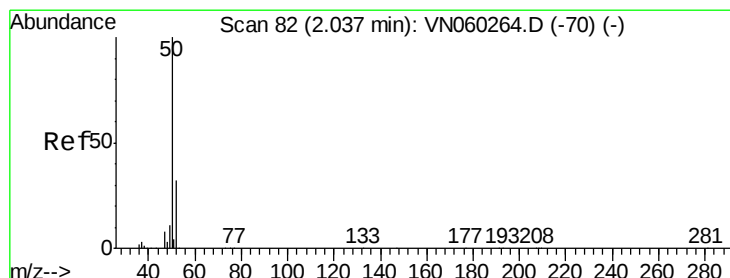
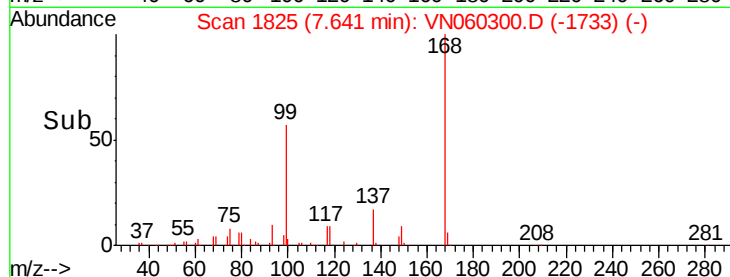
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#3

Chloromethane

Concen: 0.413 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN060300.D

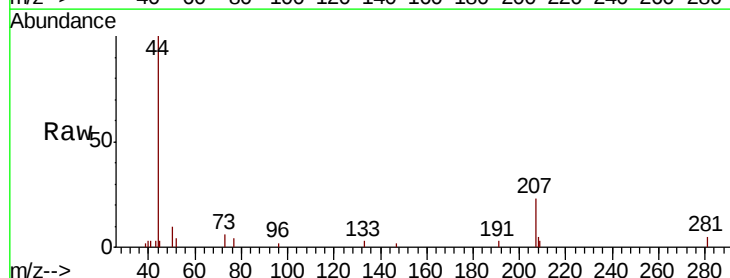
Acq: 2 Mar 2020 10:28

Tgt Ion: 50 Resp: 1366

Ion Ratio Lower Upper

50 100

52 38.4 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN060264.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN060264.D (-70) (-)

2.04

800

600

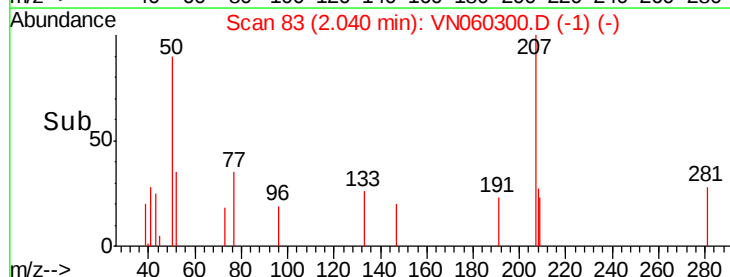
400

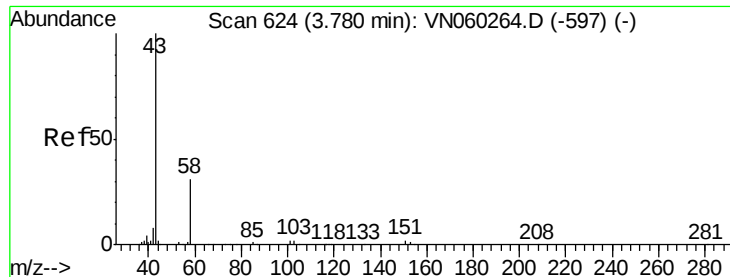
200

0

2.00 2.05

Time-->





#16

Acetone

Concen: 0.356 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060300.D

Acq: 2 Mar 2020 10:28

Instrument :

MSVOA_N

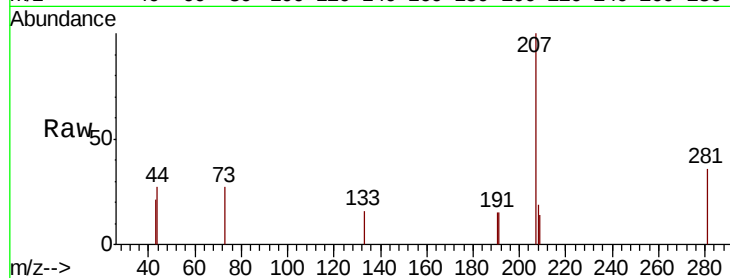
ClientSampled :

Tot Ion: 43 Resp: 306

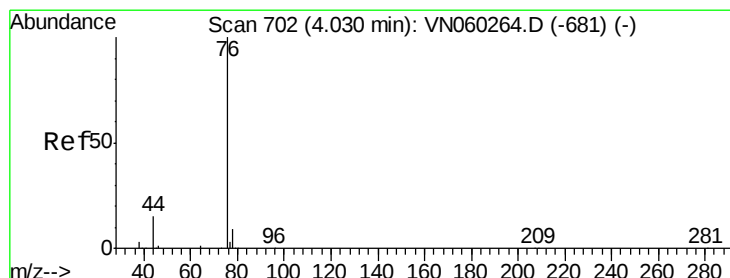
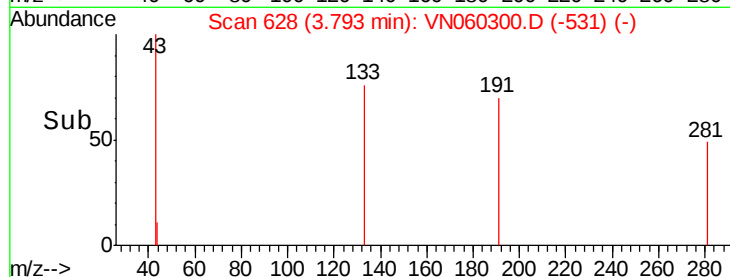
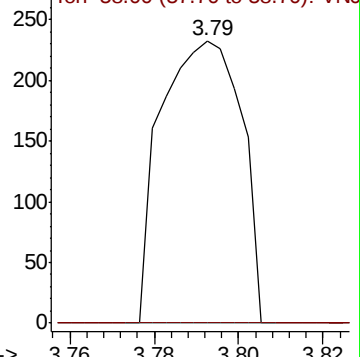
Ion Ratio Lower Upper

43 100

58 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-597) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN060300.D

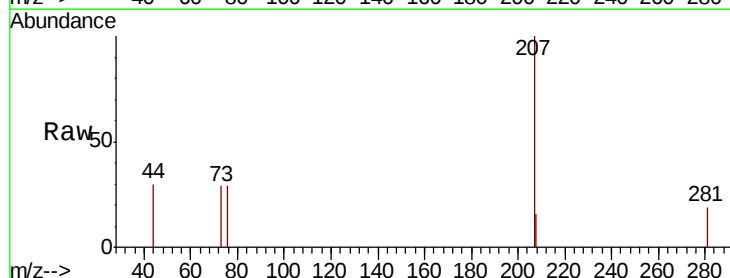
Acq: 2 Mar 2020 10:28

Tgt Ion: 76 Resp: 347

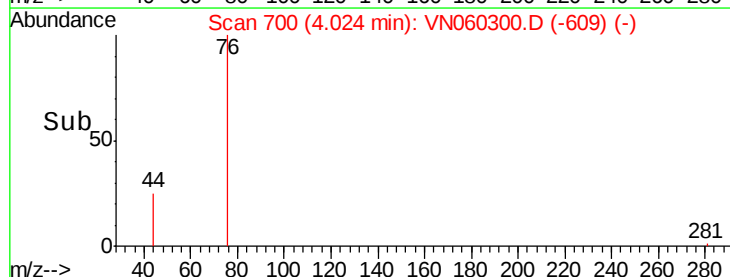
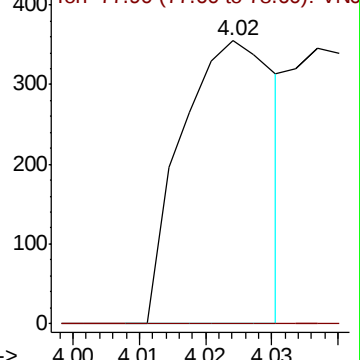
Ion Ratio Lower Upper

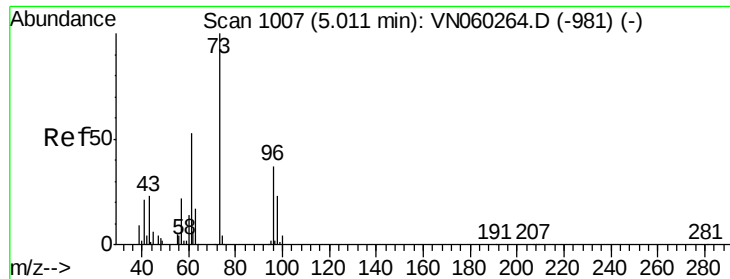
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN060264.D (-681) (-)

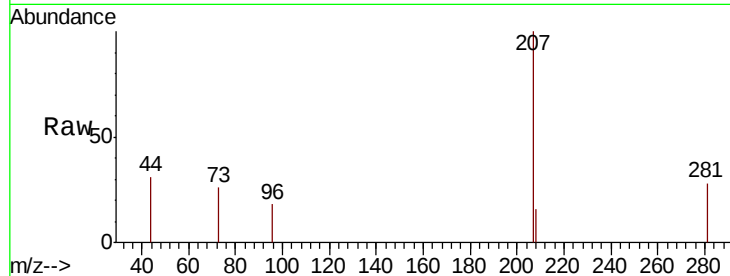




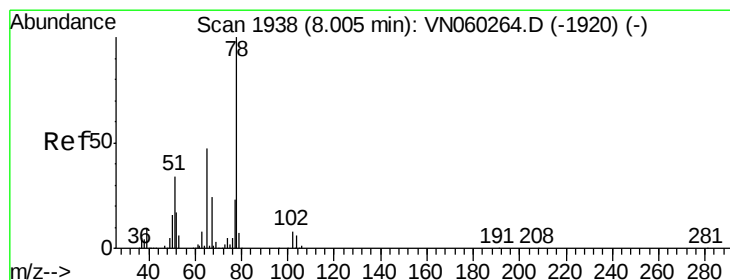
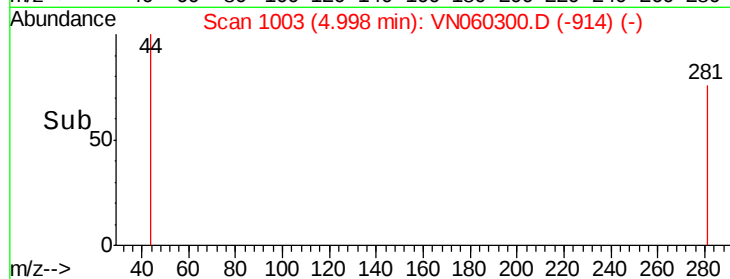
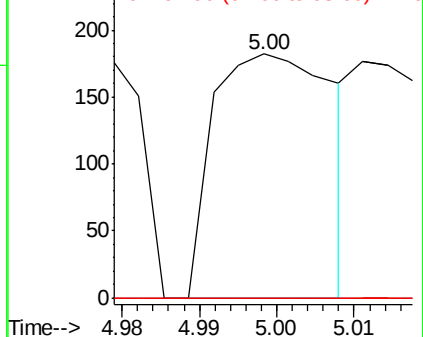
#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060300.D
Acq: 2 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 195
Ion Ratio Lower Upper
96 100
61 0.0 113.8 170.8#
98 0.0 48.8 73.2#

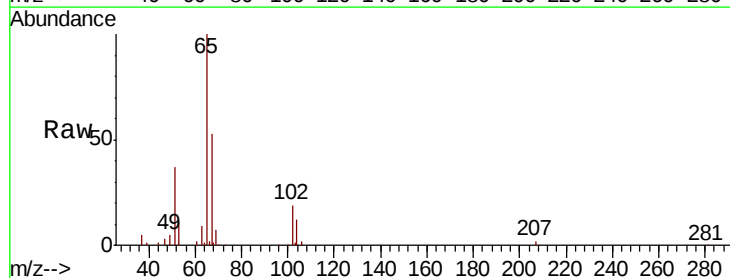


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

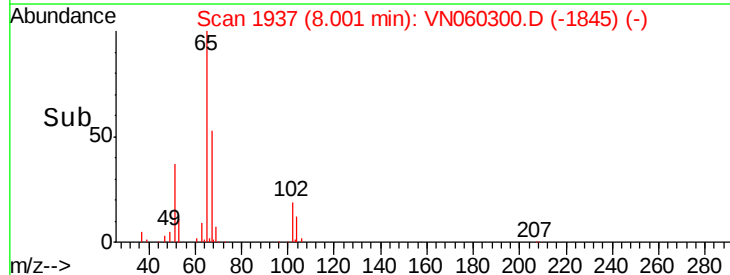
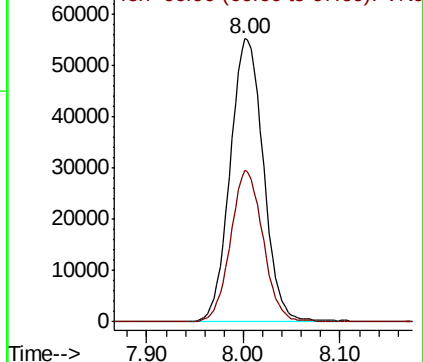


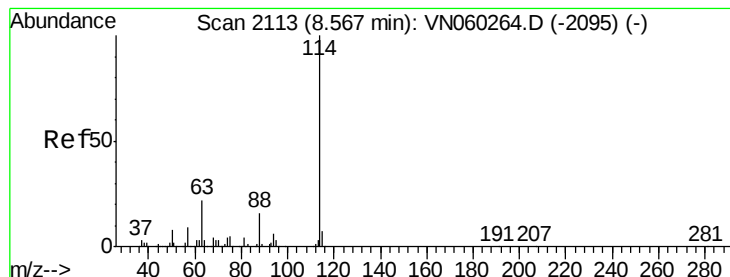
#33
1,2-Dichloroethane-d4
Concen: 49.571 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060300.D
Acq: 2 Mar 2020 10:28

Tgt Ion: 65 Resp: 131913
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060300.D

Acq: 2 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

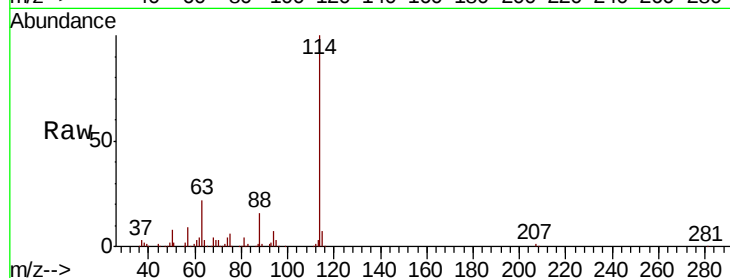
Tot Ion:114 Resp: 337139

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

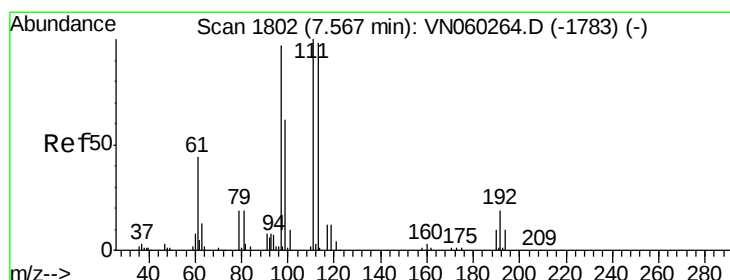
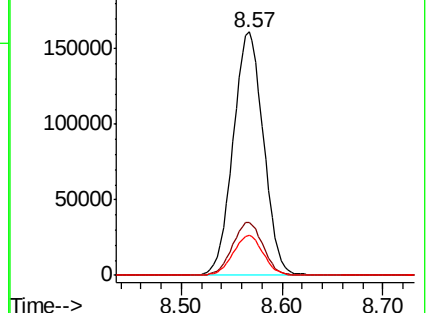
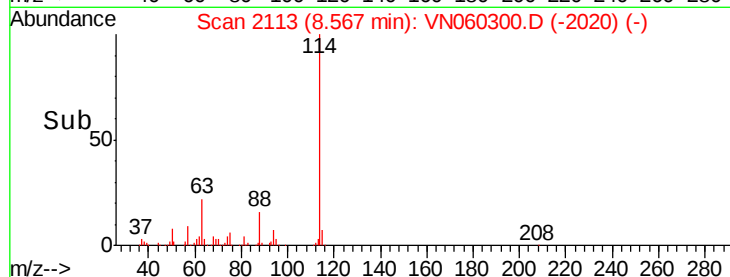
88 16.4 0.0 31.6



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: 60.614 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060300.D

Acq: 2 Mar 2020 10:28

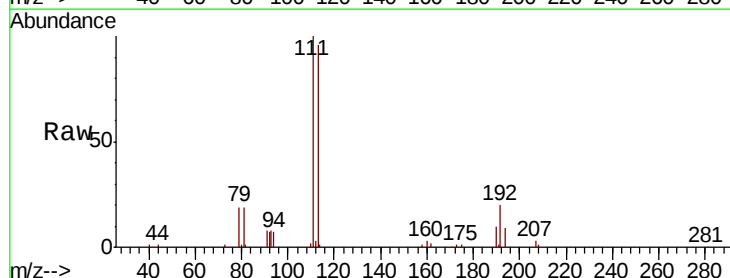
Tgt Ion:113 Resp: 94854

Ion Ratio Lower Upper

113 100

111 104.4 82.4 123.6

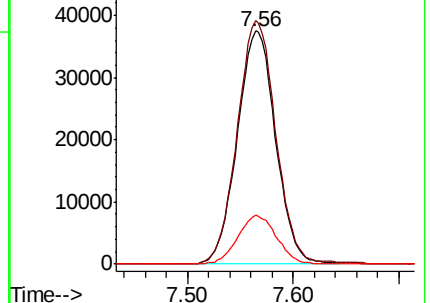
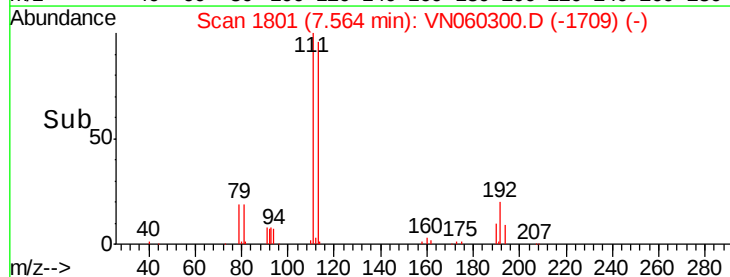
192 21.0 16.2 24.2

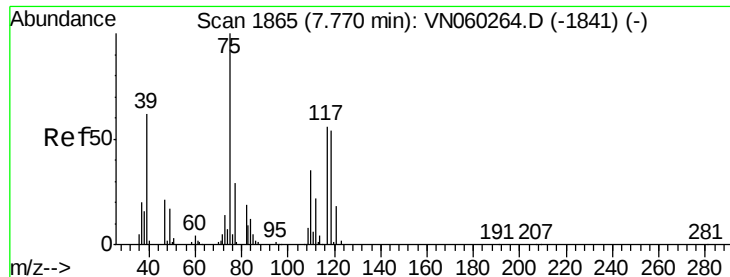


Abundance Ion 112.80 (112.50 to 113.50): V

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: VN060300.D

Acq: 2 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

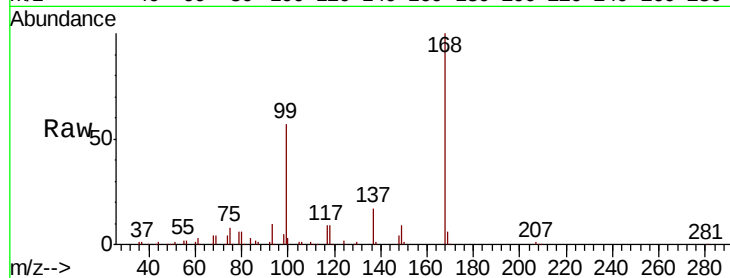
Tot Ion: 75 Resp: 16314

Ion Ratio Lower Upper

75 100

110 8.3 17.3 52.0#

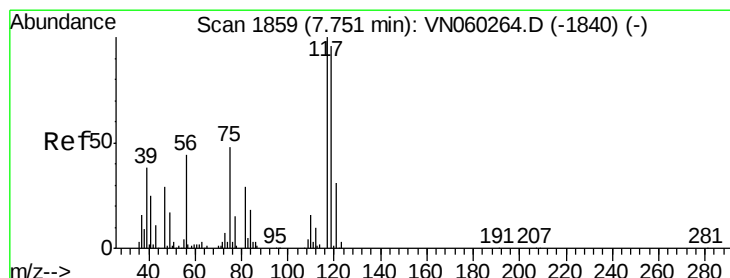
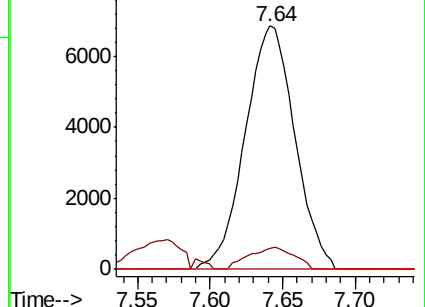
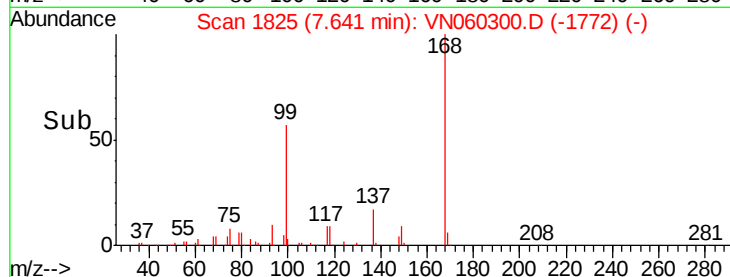
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060300.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060300.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060300.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.273 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060300.D

Acq: 2 Mar 2020 10:28

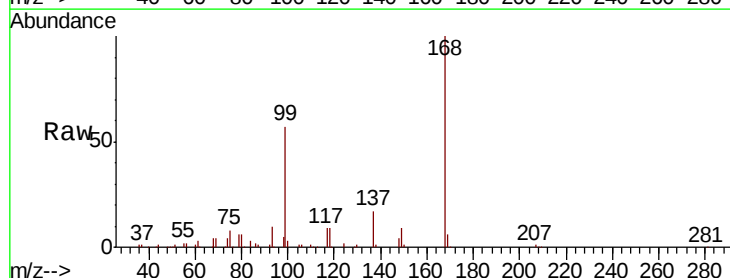
Tgt Ion: 117 Resp: 19624

Ion Ratio Lower Upper

117 100

119 5.2 76.7 115.1#

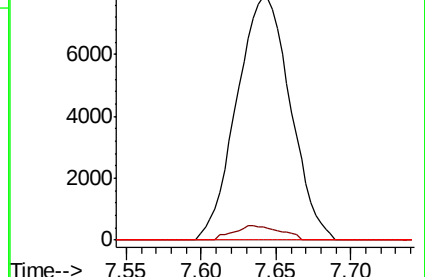
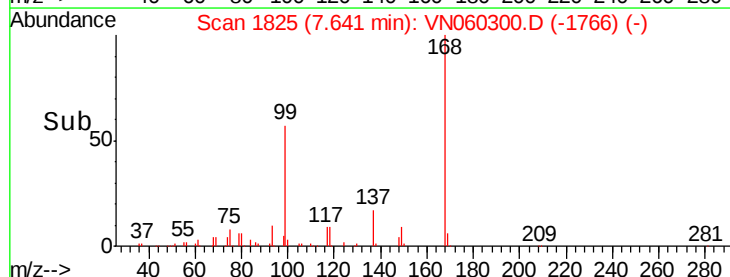
121 0.0 24.5 36.7#

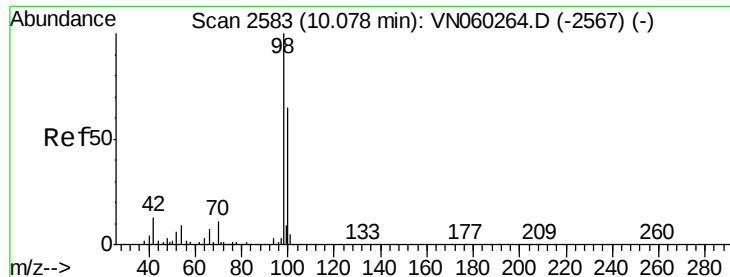


Abundance Ion 116.80 (116.50 to 117.50): VN060300.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060300.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060300.D (-1766) (-)





#50

Toluene-d8

Concen: 52.299 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060300.D

Acq: 2 Mar 2020 10:28

Instrument :

MSVOA_N

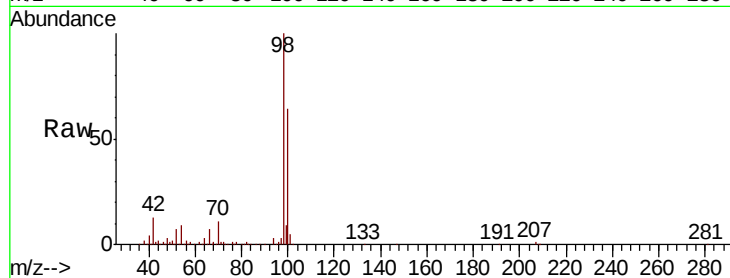
ClientSampled :

Tot Ion: 98 Resp: 414212

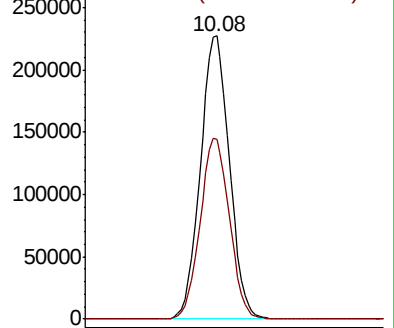
Ion Ratio Lower Upper

98 100

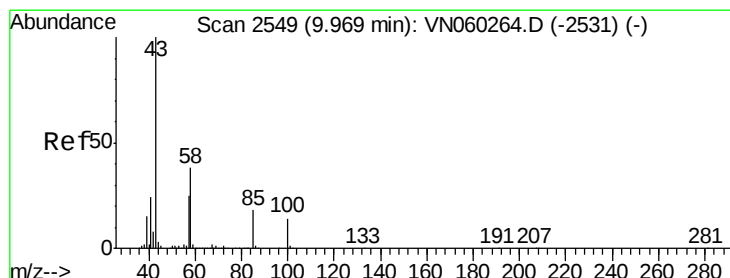
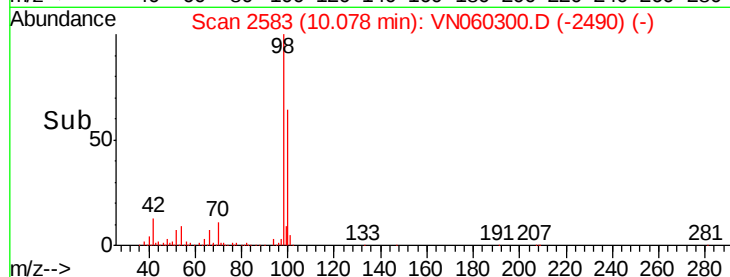
100 64.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.620 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN060300.D

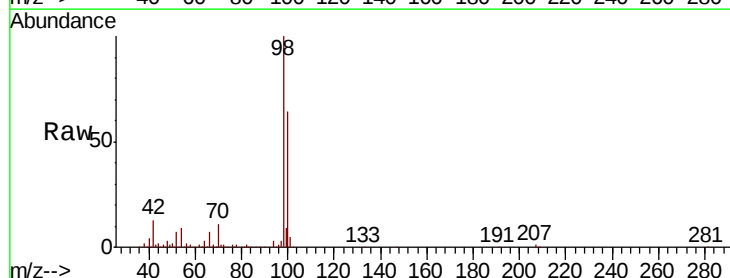
Acq: 2 Mar 2020 10:28

Tgt Ion: 43 Resp: 1873

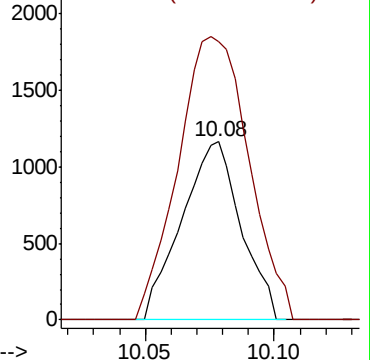
Ion Ratio Lower Upper

43 100

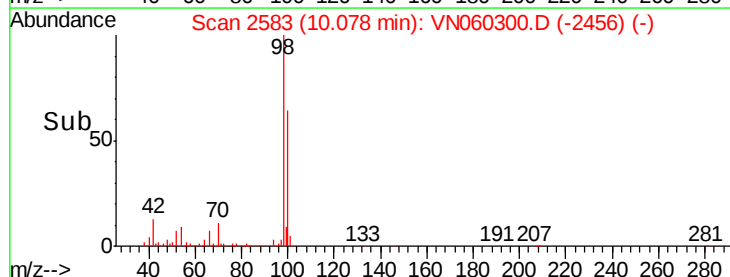
58 189.2 30.9 46.3#

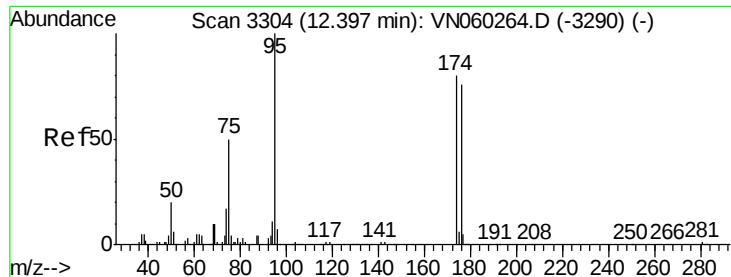


Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)



Time-->





#62

4-Bromofluorobenzene

Concen: 49.867 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060300.D

Acq: 2 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampled :

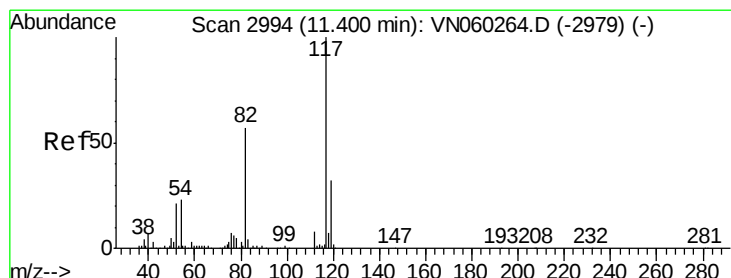
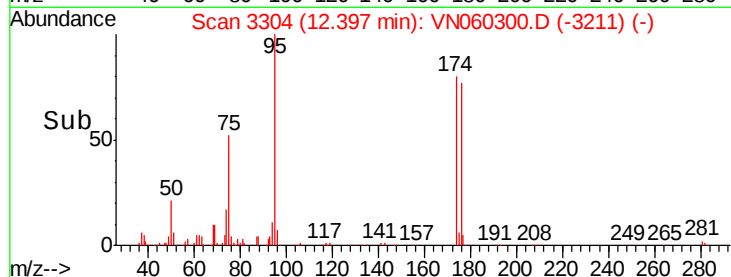
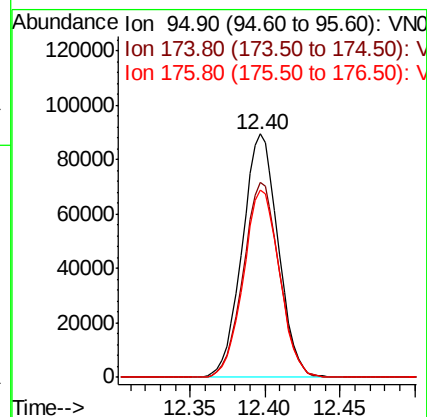
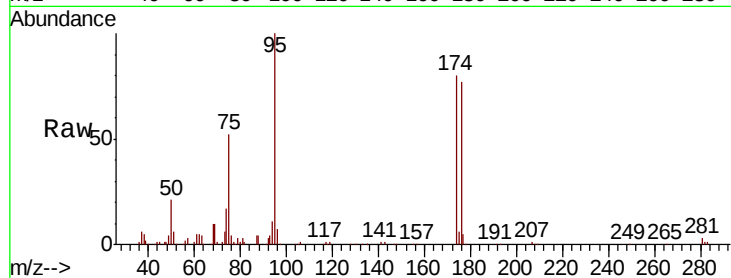
Tot Ion: 95 Resp: 149717

Ion Ratio Lower Upper

95 100

174 80.2 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: VN060300.D

Acq: 2 Mar 2020 10:28

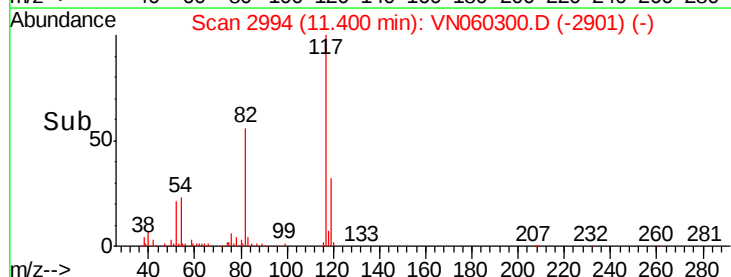
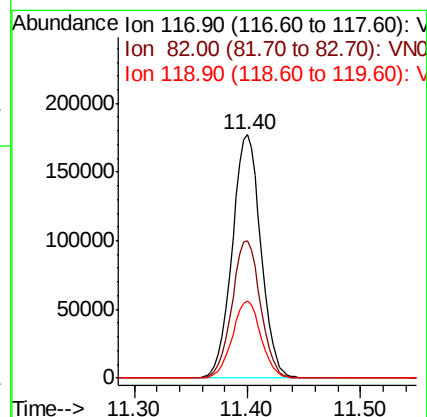
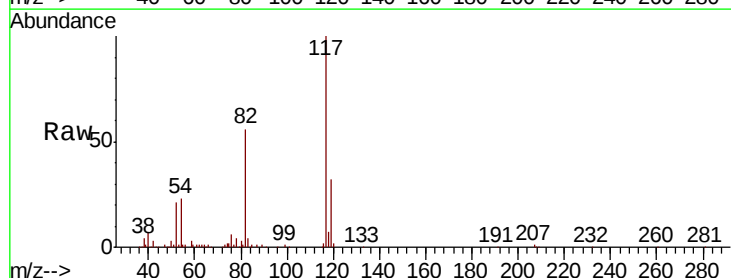
Tgt Ion: 117 Resp: 311301

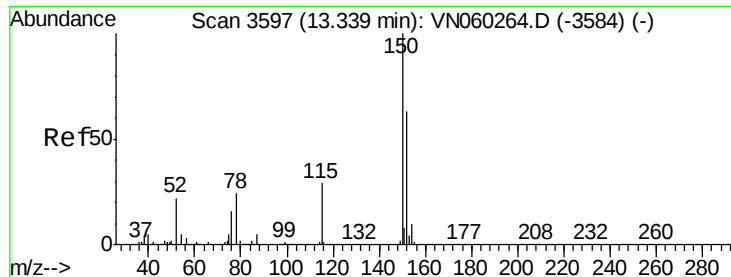
Ion Ratio Lower Upper

117 100

82 56.4 45.8 68.6

119 31.6 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: VN060300.D

Acq: 2 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

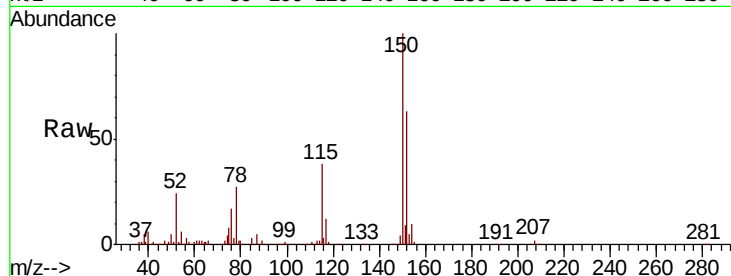
Tot Ion:152 Resp: 139646

Ion Ratio Lower Upper

152 100

115 59.2 30.0 90.0

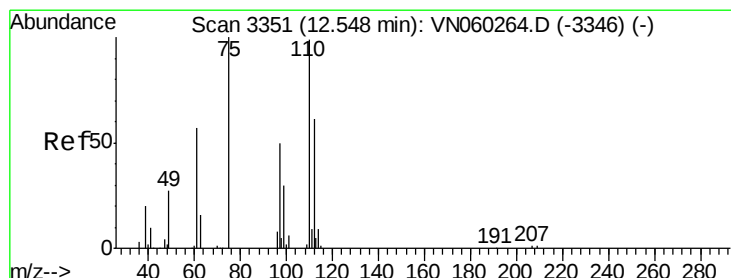
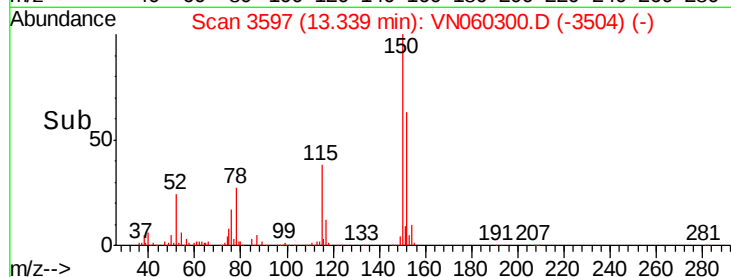
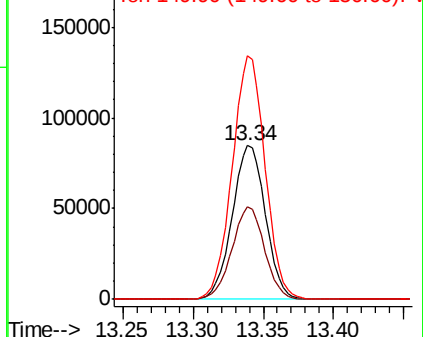
150 156.6 0.0 349.6



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



#76

1,2,3-Trichloropropane

Concen: 25.607 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060300.D

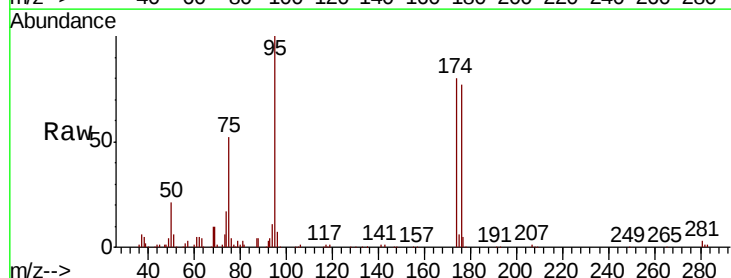
Acq: 2 Mar 2020 10:28

Tgt Ion: 75 Resp: 78456

Ion Ratio Lower Upper

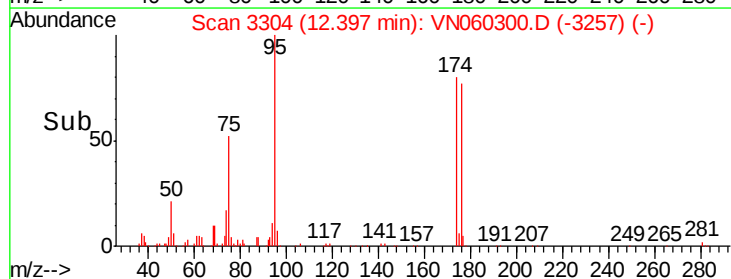
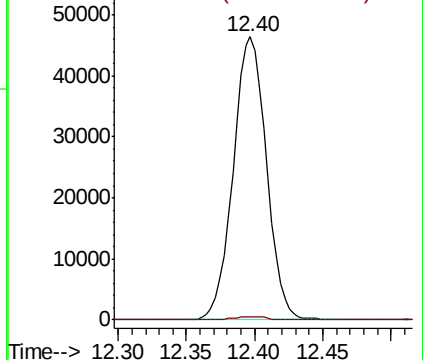
75 100

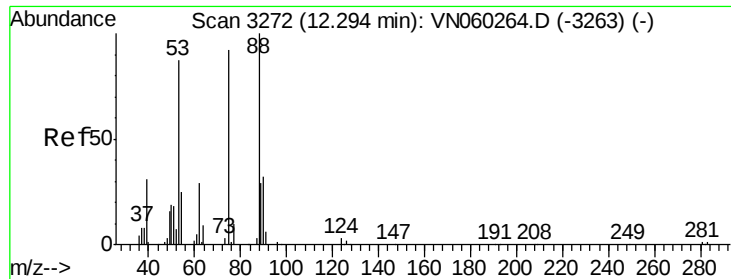
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

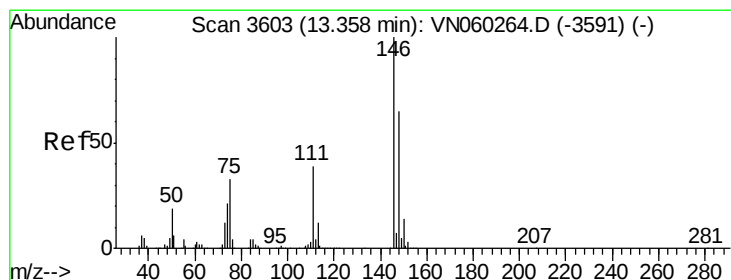
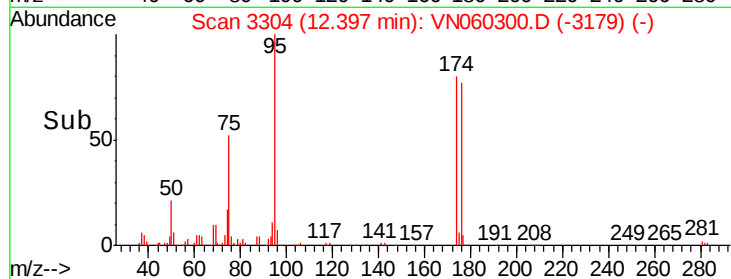
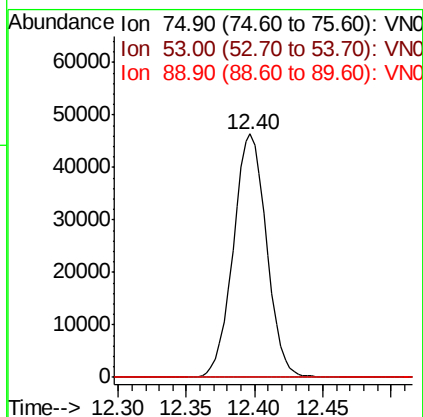
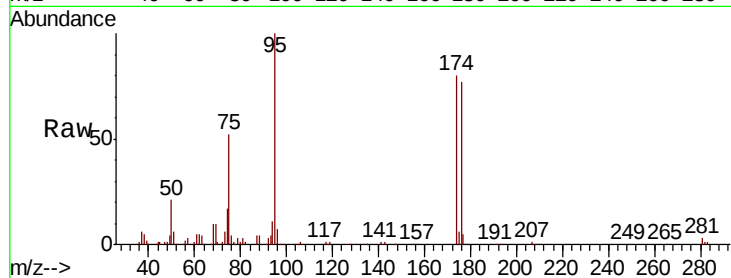




#81
trans-1,4-Dichloro-2-butene
Concen: 70.688 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060300.D
Acq: 2 Mar 2020 10:28

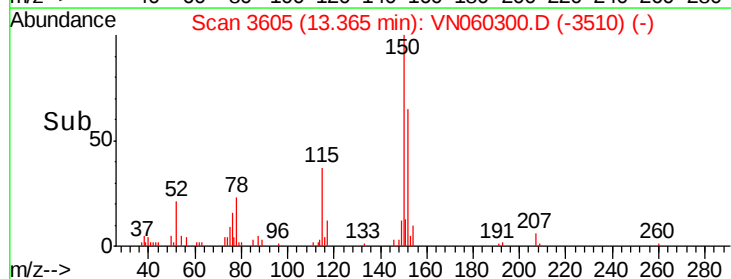
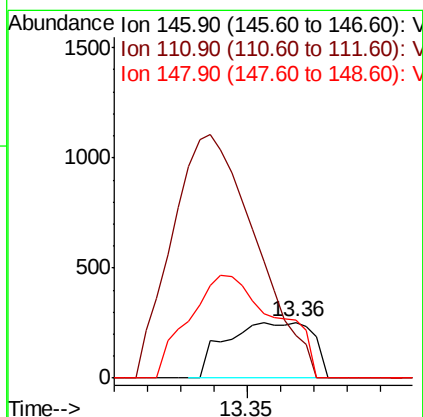
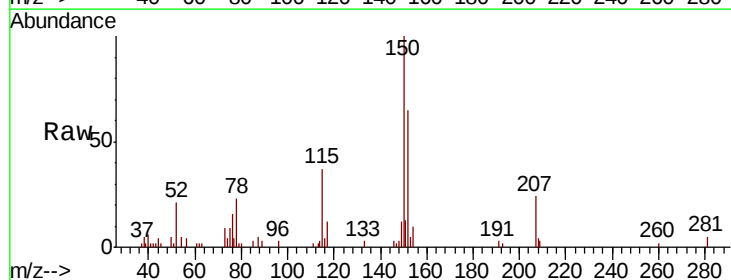
Instrument :
MSVOA_N
ClientSampled :

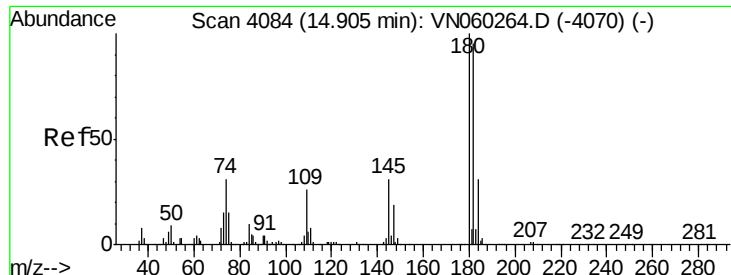
Tot Ion: 75 Resp: 78456
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3605
Delta R.T. 0.01 min
Lab File: VN060300.D
Acq: 2 Mar 2020 10:28

Tgt Ion: 146 Resp: 454
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 0.0 32.3 96.9#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.247 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060300.D
 Acq: 2 Mar 2020 10:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	180	Resp:	449
Ion Ratio	Lower	Upper	
180	100		
182	79.5	47.8	143.3
145	52.8	15.4	46.1#

