

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060240.D
 Acq On : 25 Feb 2020 17:29
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 25 22:21:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	220491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	350666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	328684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164697	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	134169	50.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.02%	
35) Dibromofluoromethane	7.57	113	103429	47.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.96%	
50) Toluene-d8	10.08	98	427323	50.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.40	95	165942	53.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.40%	

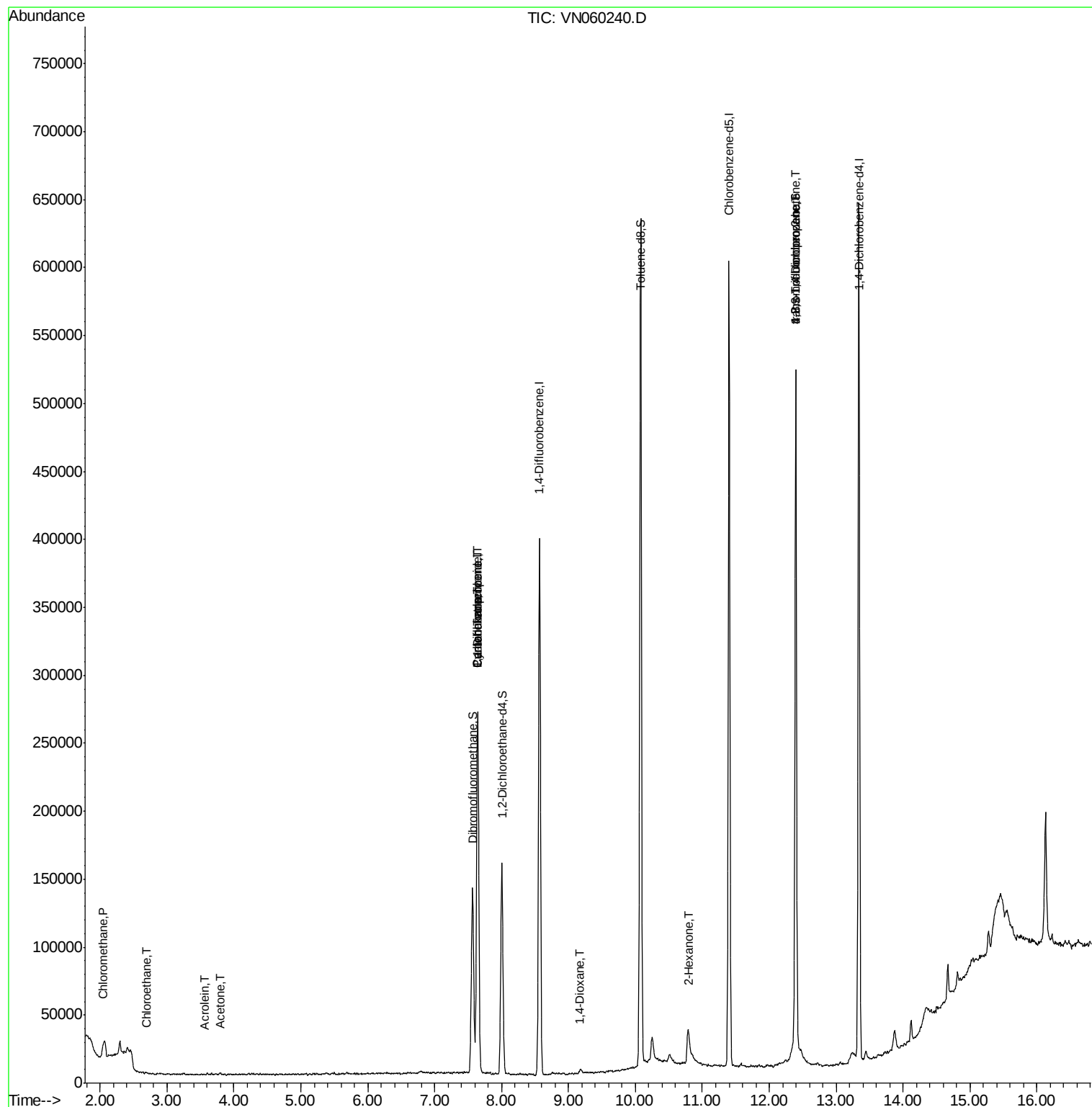
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1073	0.409	ug/l	95
6) Chloroethane	2.68	64	390	0.258	ug/l #	41
13) Acrolein	3.58	56	161	0.406	ug/l #	1
16) Acetone	3.79	43	1837	1.570	ug/l	98
31) Cyclohexane	7.64	56	4702	1.239	ug/l #	18
36) 1,1-Dichloropropene	7.64	75	17485	5.383	ug/l #	49
38) Carbon Tetrachloride	7.64	117	21769	6.171	ug/l #	16
49) 1,4-Dioxane	9.18	88	2486	64.627	ug/l #	87
59) 2-Hexanone	10.79	43	9023	4.022	ug/l #	31
76) 1,2,3-Trichloropropane	12.40	75	83989	26.655	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	83989	65.264	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	294	Below Cal	#	1

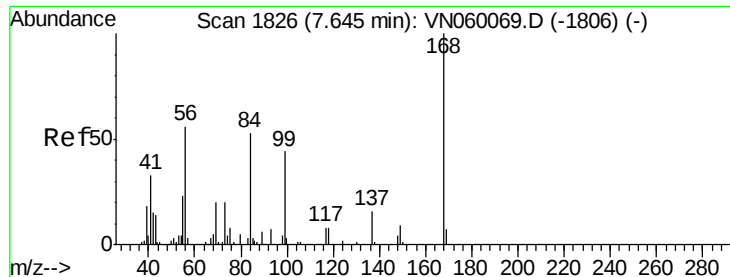
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 12 14:12:21 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: VN060240.D

Acq: 25 Feb 2020 17:29

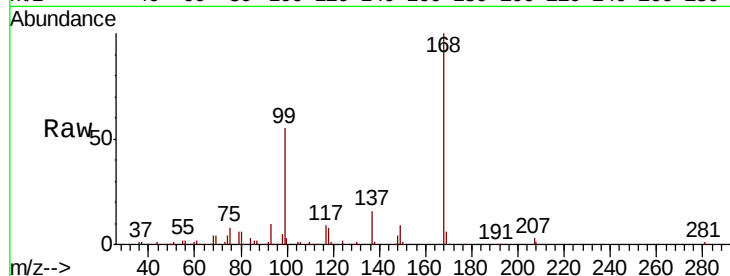
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 220491

Ion Ratio Lower Upper

168 100

99 55.2 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

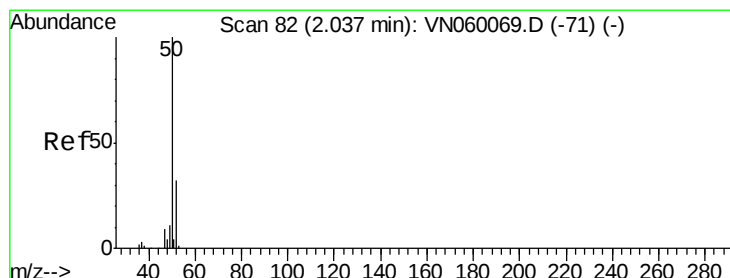
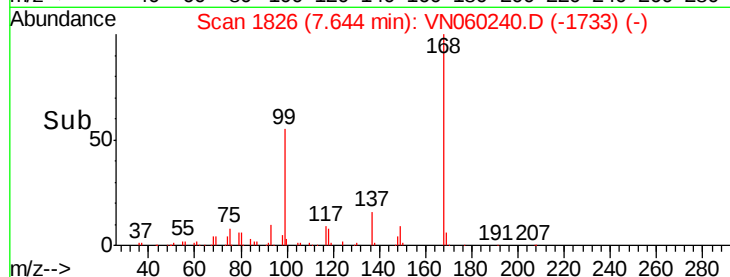
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.409 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN060240.D

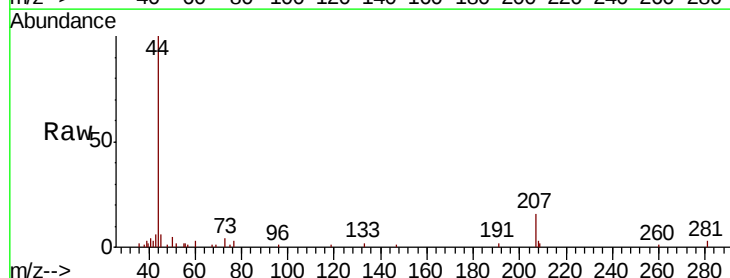
Acq: 25 Feb 2020 17:29

Tgt Ion: 50 Resp: 1073

Ion Ratio Lower Upper

50 100

52 34.8 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

800

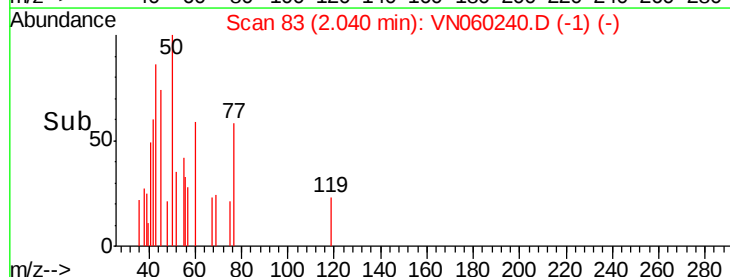
600

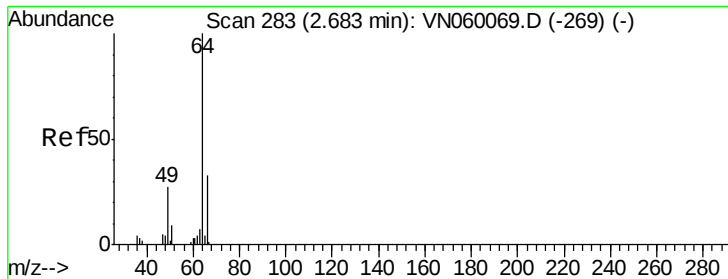
400

200

0

Time-->





#6

Chloroethane

Concen: 0.258 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060240.D

Acq: 25 Feb 2020 17:29

Instrument :

MSVOA_N

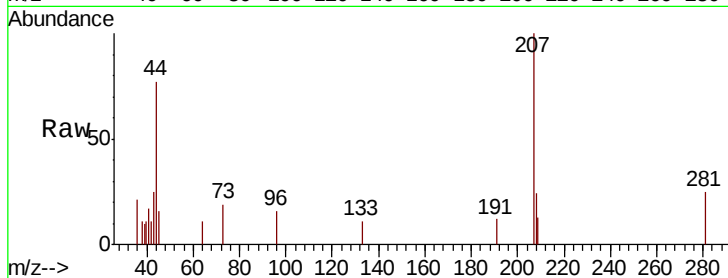
ClientSampled :

Tot Ion: 64 Resp: 390

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

200

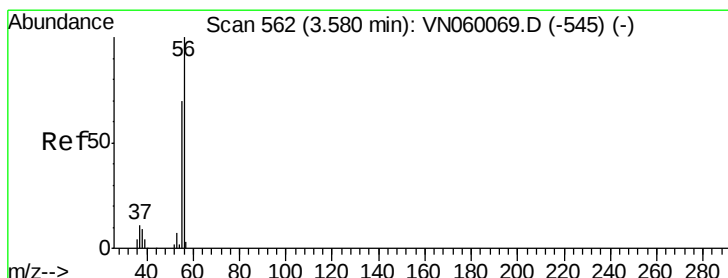
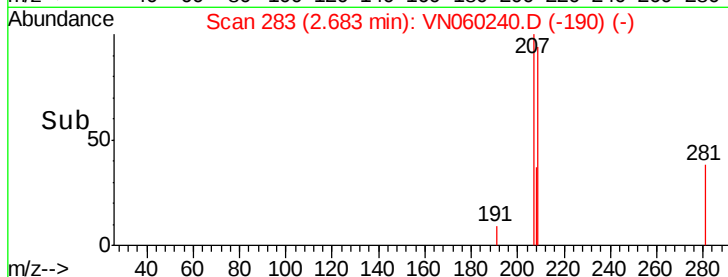
150

100

50

0

Time-->



#13

Acrolein

Concen: 0.406 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060240.D

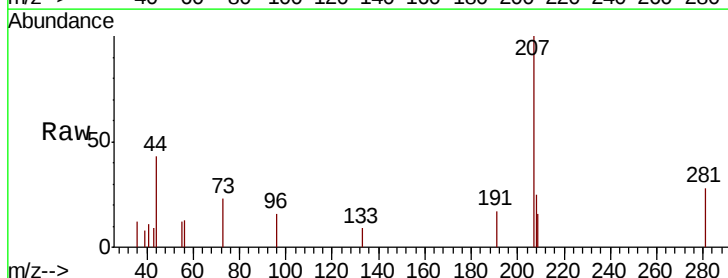
Acq: 25 Feb 2020 17:29

Tgt Ion: 56 Resp: 161

Ion Ratio Lower Upper

56 100

55 175.2 54.8 82.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

250

200

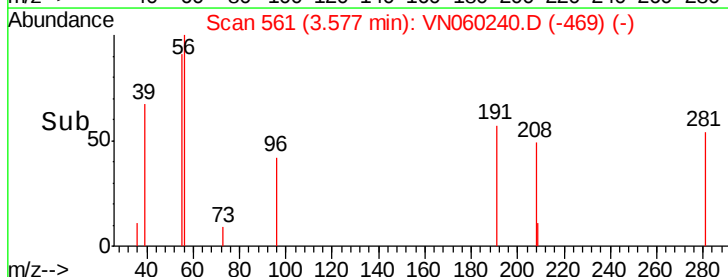
150

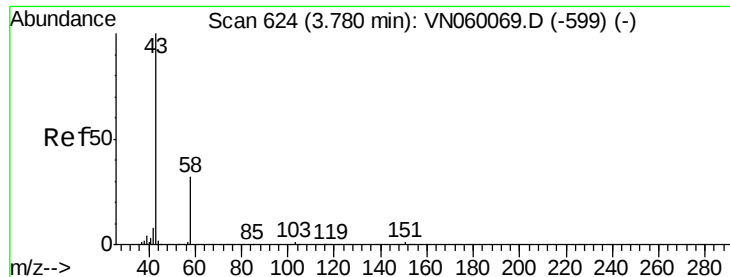
100

50

0

Time-->





#16

Acetone

Concen: 1.570 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060240.D

Acq: 25 Feb 2020 17:29

Instrument :

MSVOA_N

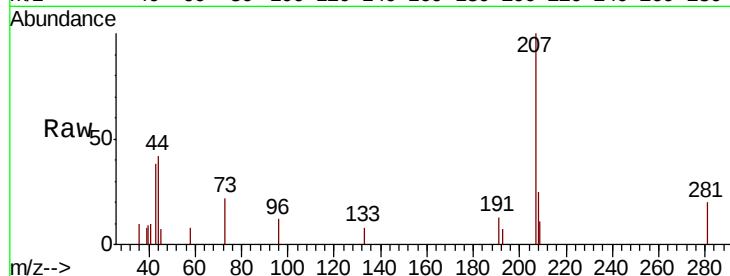
ClientSampleId :

Tot Ion: 43 Resp: 1837

Ion Ratio Lower Upper

43 100

58 30.2 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

800

600

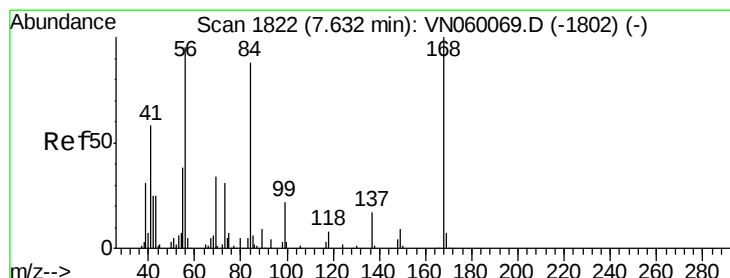
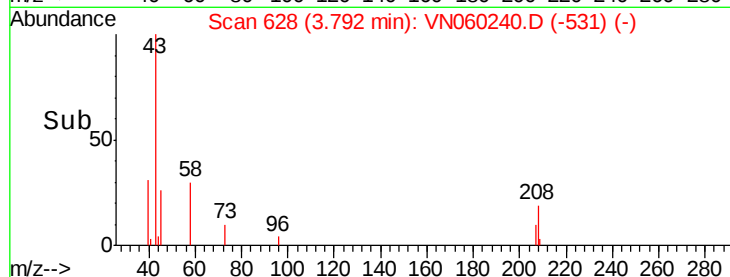
400

200

0

3.70 3.75 3.80 3.85 3.90

Time-->



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060240.D

Acq: 25 Feb 2020 17:29

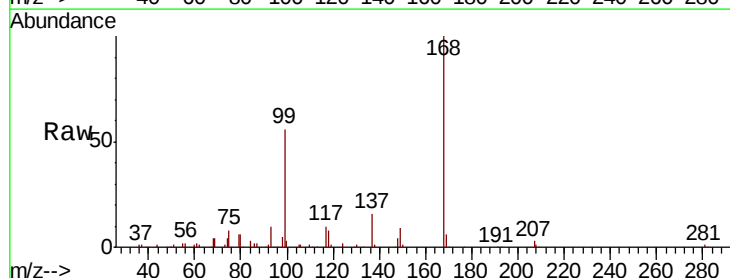
Tgt Ion: 56 Resp: 4702

Ion Ratio Lower Upper

56 100

69 158.6 28.3 42.5#

84 120.1 72.6 108.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

4000

3000

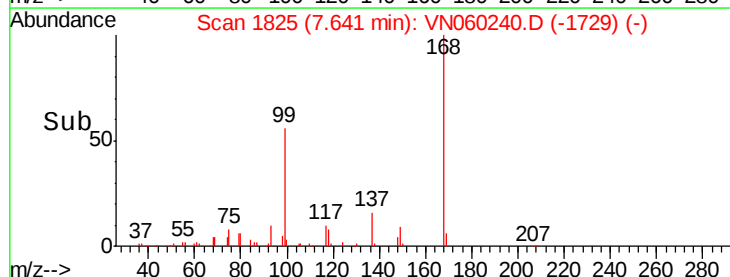
2000

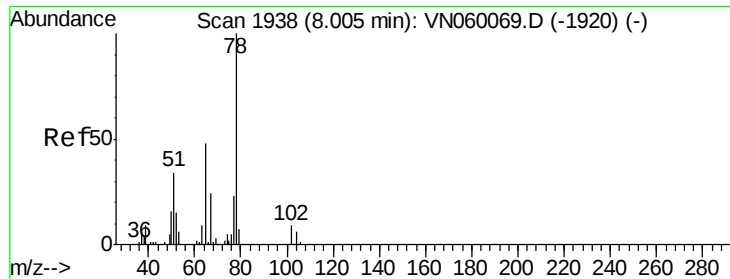
1000

0

7.60 7.65 7.70

Time-->

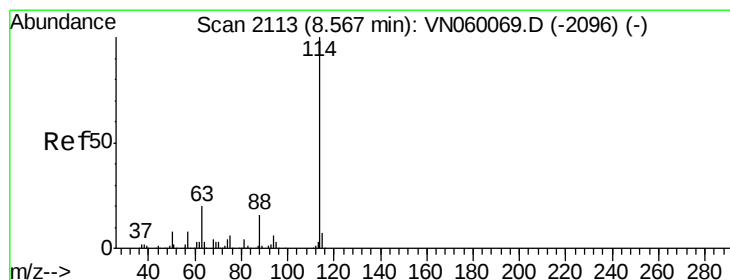
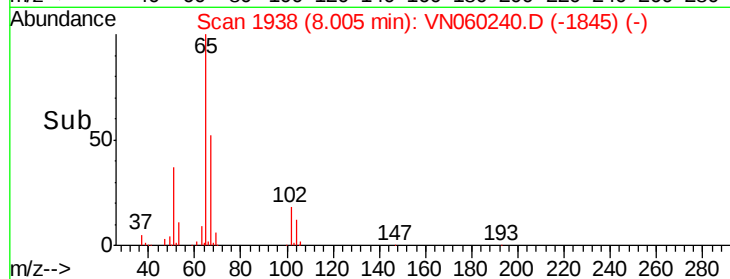
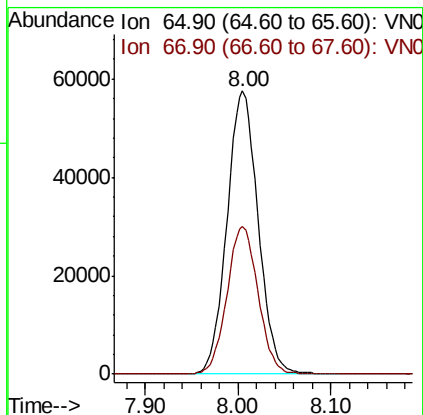
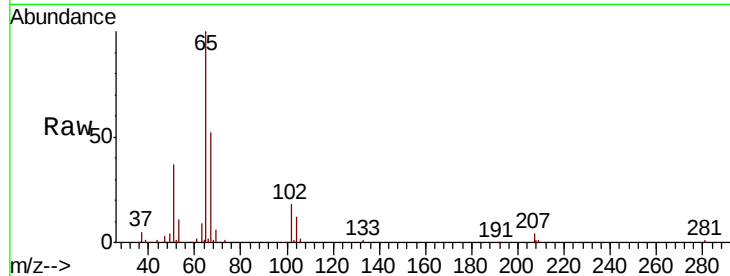




#33
 1,2-Dichloroethane-d4
 Concen: 50.007 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060240.D
 Acq: 25 Feb 2020 17:29

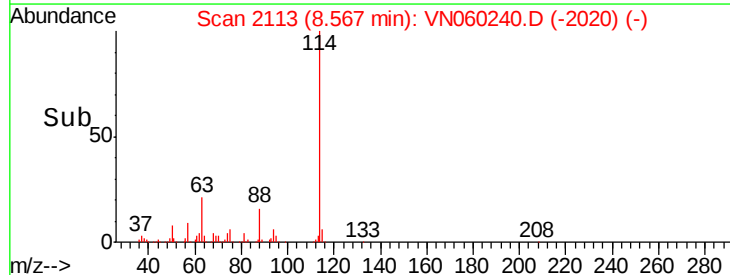
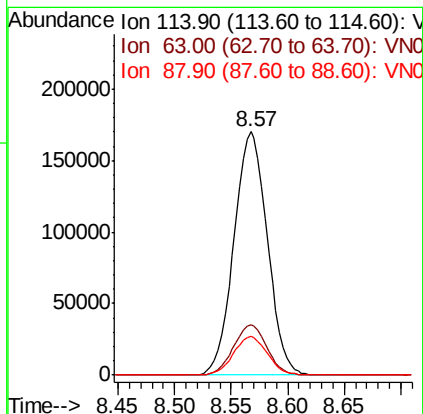
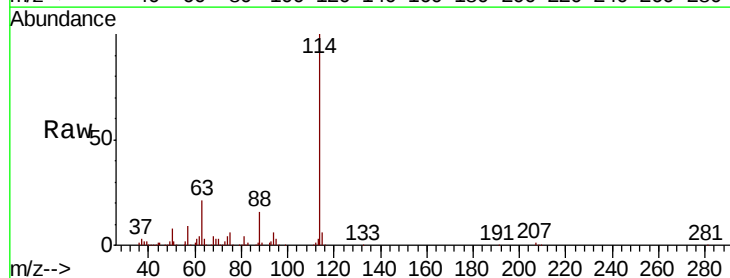
Instrument :
 MSVOA_N
 ClientSampleId :

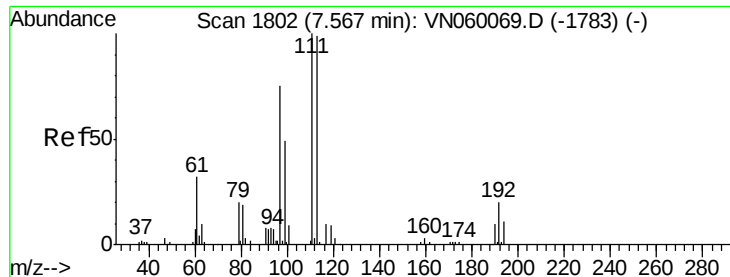
Tot Ion: 65 Resp: 134169
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060240.D
 Acq: 25 Feb 2020 17:29

Tgt Ion: 114 Resp: 350666
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.0
 88 15.8 0.0 31.6

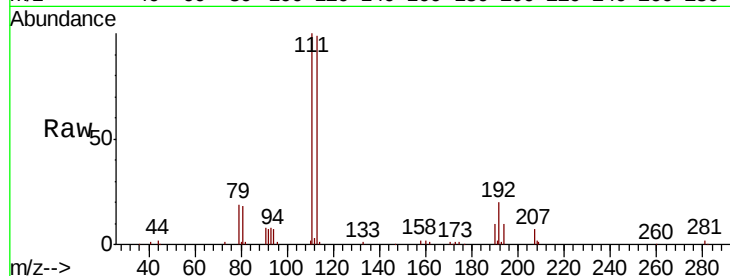




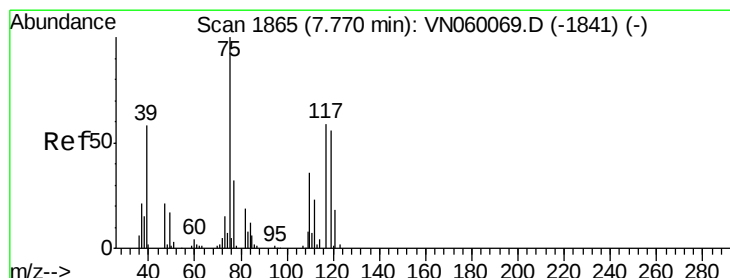
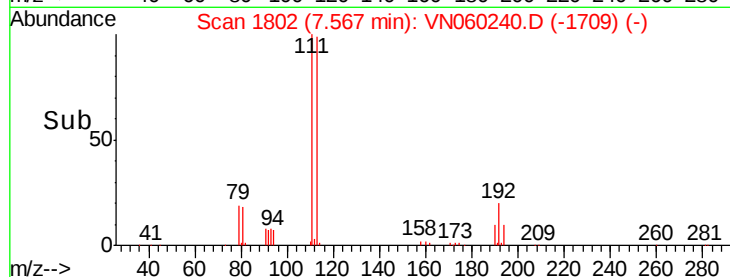
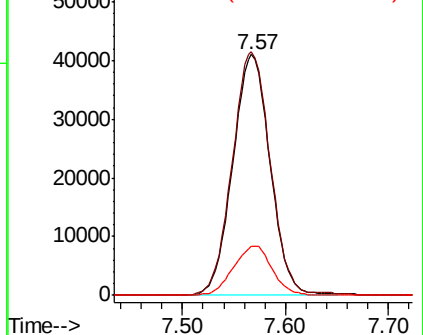
#35
 Dibromofluoromethane
 Concen: 47.983 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060240.D
 Acq: 25 Feb 2020 17:29

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.2
192	21.1	16.2	24.2

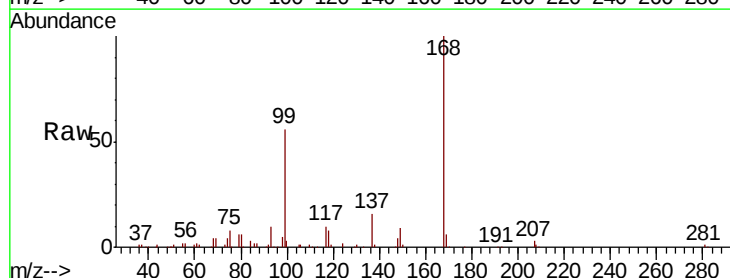


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

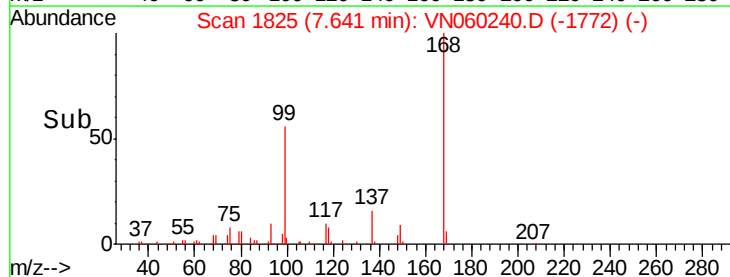
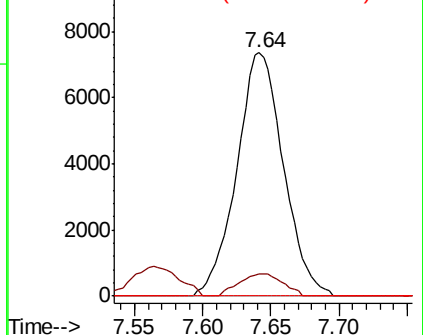


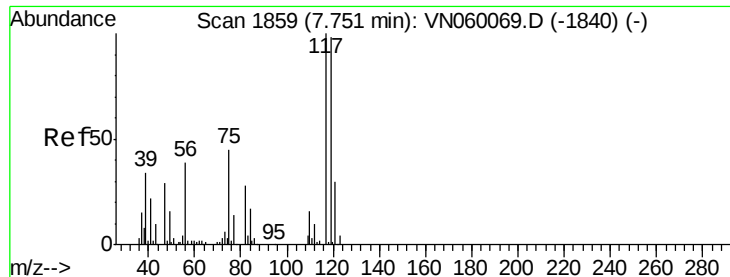
#36
 1,1-Dichloropropene
 Concen: 5.383 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060240.D
 Acq: 25 Feb 2020 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.3#
77	0.0	25.1	37.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.171 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060240.D

Acq: 25 Feb 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

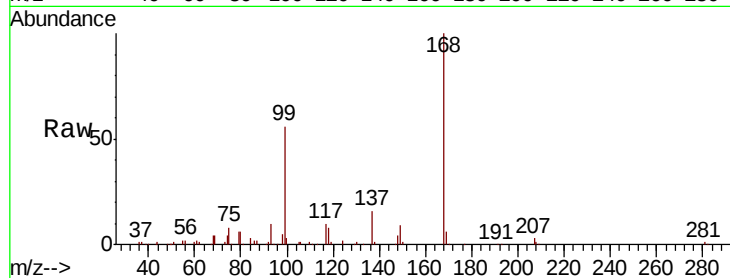
Tot Ion:117 Resp: 21769

Ion Ratio Lower Upper

117 100

119 6.1 78.2 117.4#

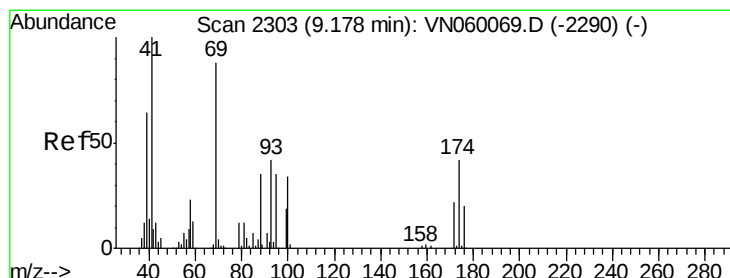
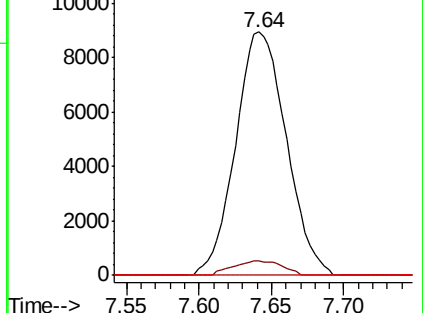
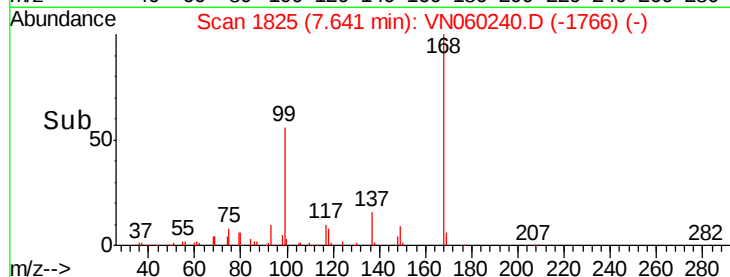
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 64.627 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060240.D

Acq: 25 Feb 2020 17:29

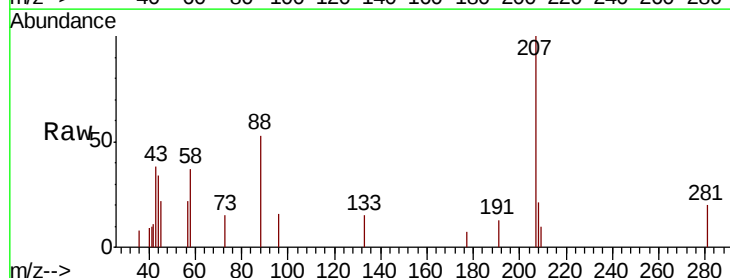
Tgt Ion: 88 Resp: 2486

Ion Ratio Lower Upper

88 100

43 14.0 26.2 39.2#

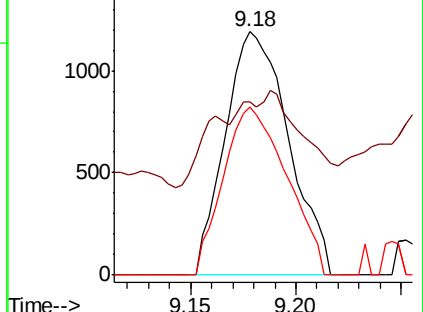
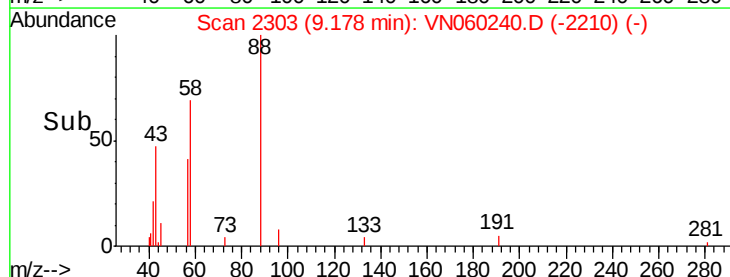
58 69.1 53.2 79.8

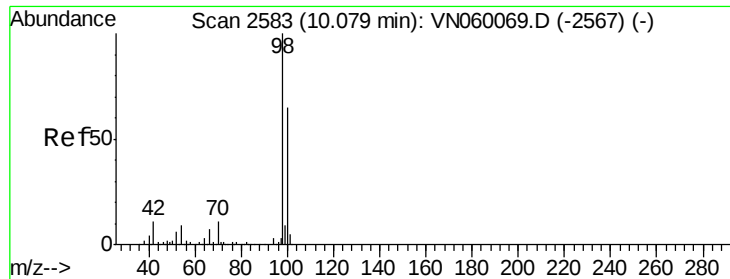


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 50.342 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060240.D

Acq: 25 Feb 2020 17:29

Instrument :

MSVOA_N

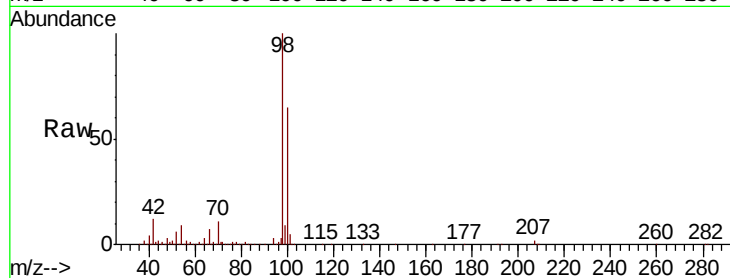
ClientSampled :

Tot Ion: 98 Resp: 427323

Ion Ratio Lower Upper

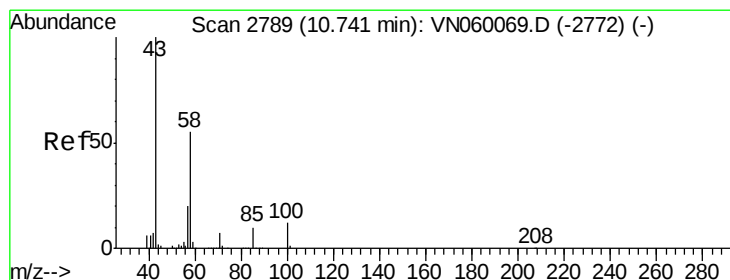
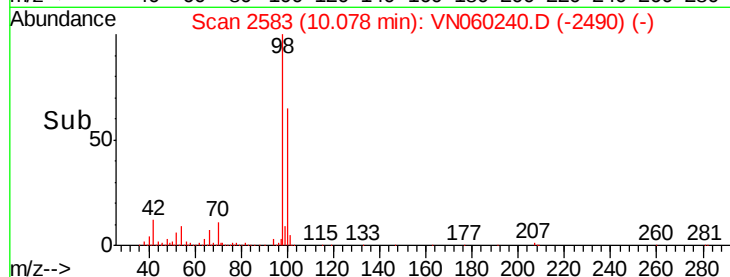
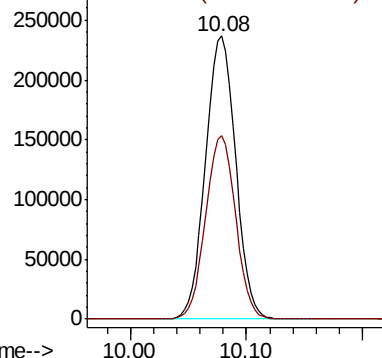
98 100

100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#59

2-Hexanone

Concen: 4.022 ug/l

RT: 10.79 min Scan# 2803

Delta R.T. 0.04 min

Lab File: VN060240.D

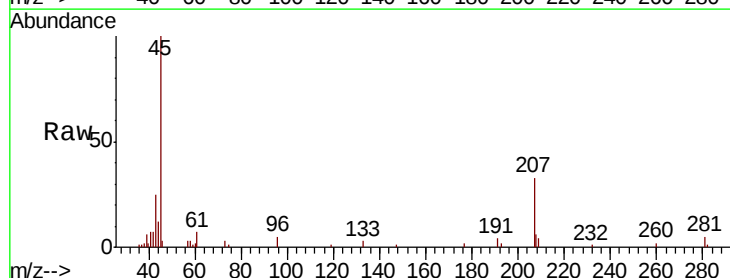
Acq: 25 Feb 2020 17:29

Tgt Ion: 43 Resp: 9023

Ion Ratio Lower Upper

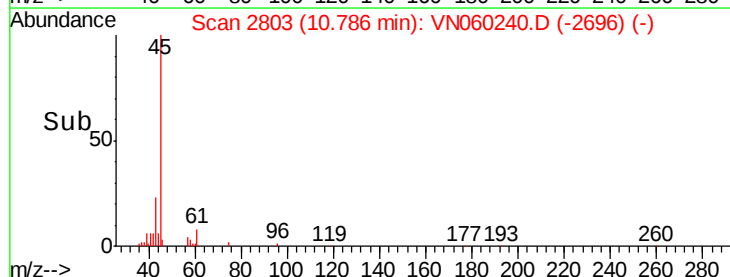
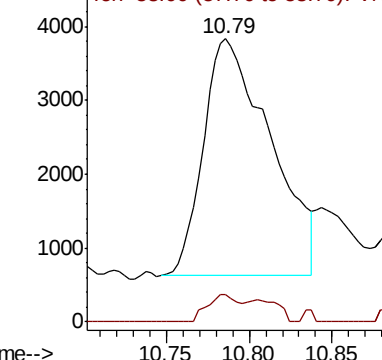
43 100

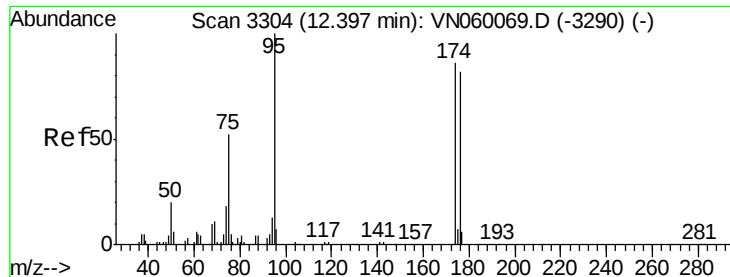
58 5.3 27.5 82.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 53.202 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060240.D

Acq: 25 Feb 2020 17:29

Instrument :

MSVOA_N

ClientSampled :

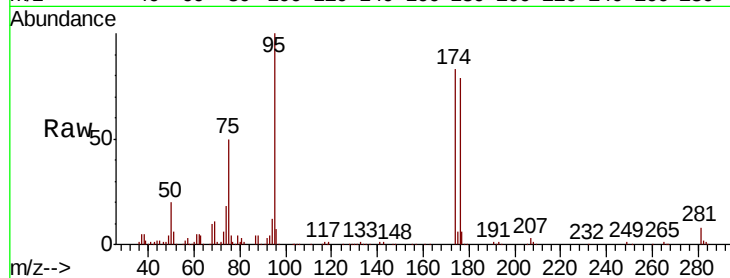
Tot Ion: 95 Resp: 165942

Ion Ratio Lower Upper

95 100

174 82.0 0.0 169.8

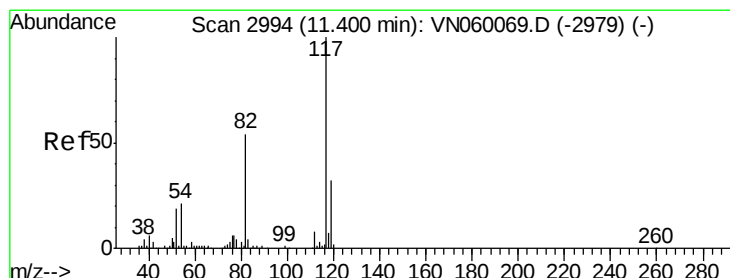
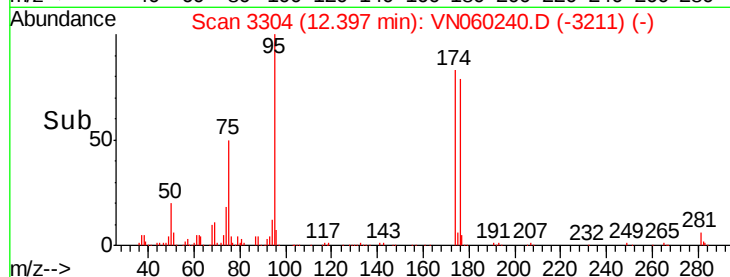
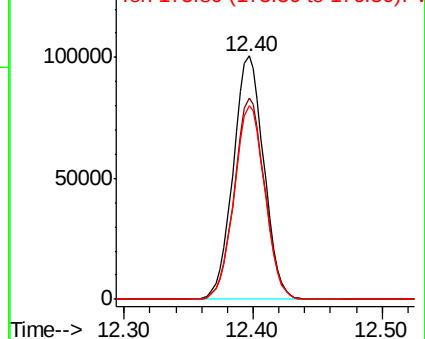
176 79.5 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060240.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060240.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060240.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060240.D

Acq: 25 Feb 2020 17:29

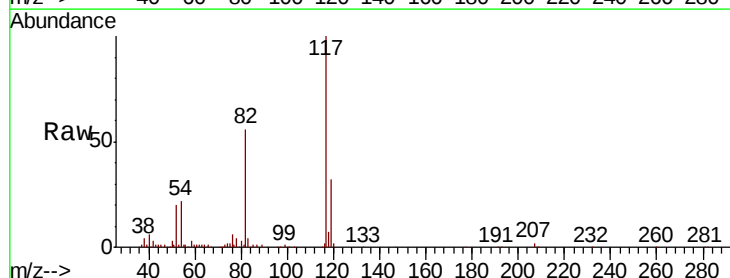
Tgt Ion: 117 Resp: 328684

Ion Ratio Lower Upper

117 100

82 56.4 43.4 65.0

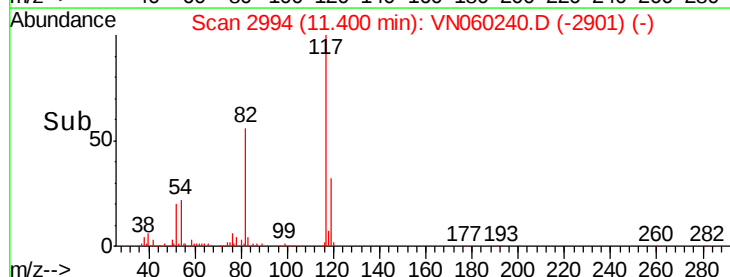
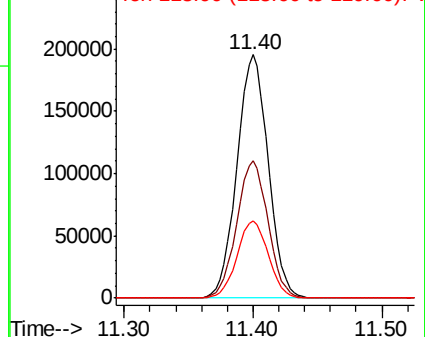
119 31.9 25.8 38.6

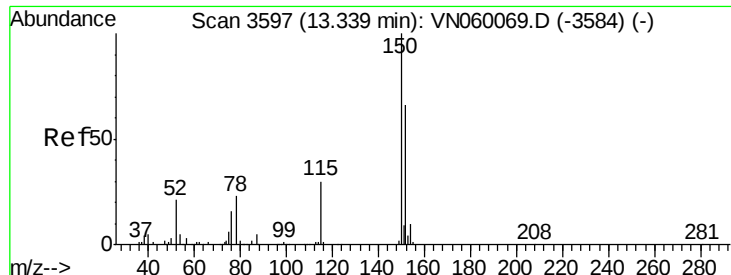


Abundance Ion 116.90 (116.60 to 117.60): VN060240.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060240.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060240.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060240.D

Acq: 25 Feb 2020 17:29

Instrument :

MSVOA_N

ClientSampleId :

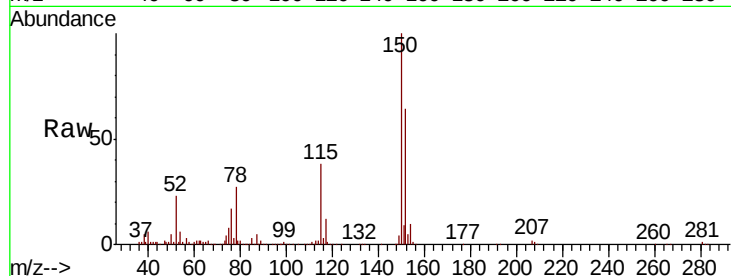
Tot Ion:152 Resp: 164697

Ion Ratio Lower Upper

152 100

115 59.3 28.9 86.8

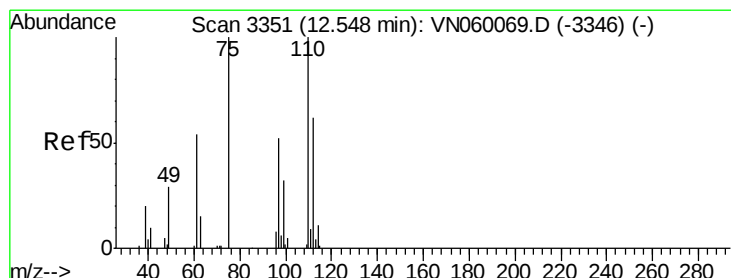
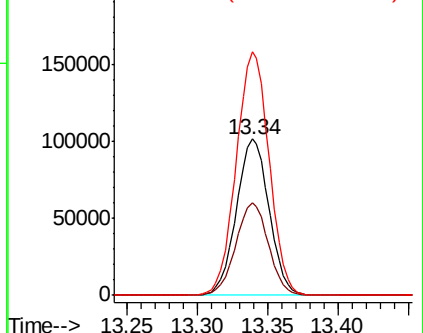
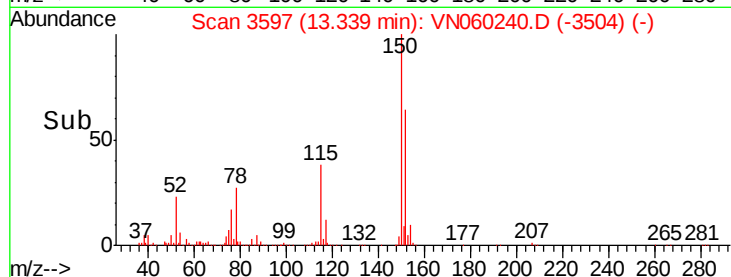
150 156.9 0.0 342.4



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: 26.655 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060240.D

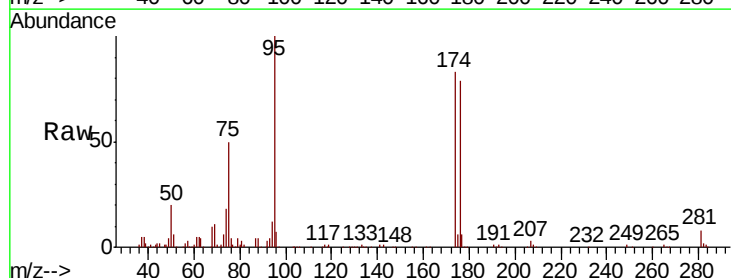
Acq: 25 Feb 2020 17:29

Tgt Ion: 75 Resp: 83989

Ion Ratio Lower Upper

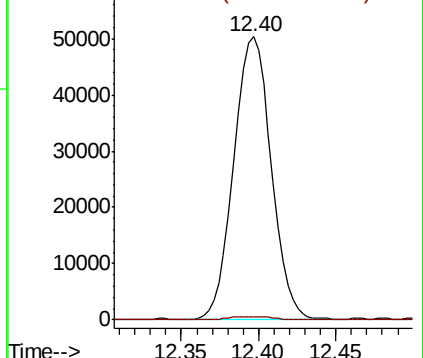
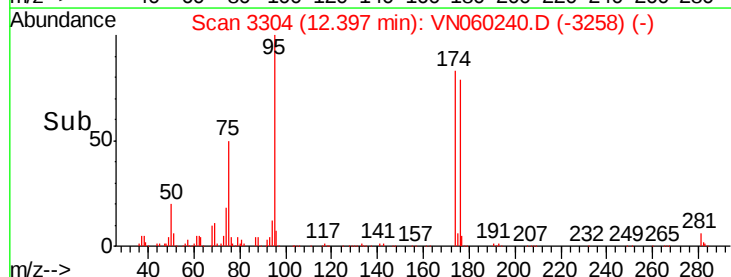
75 100

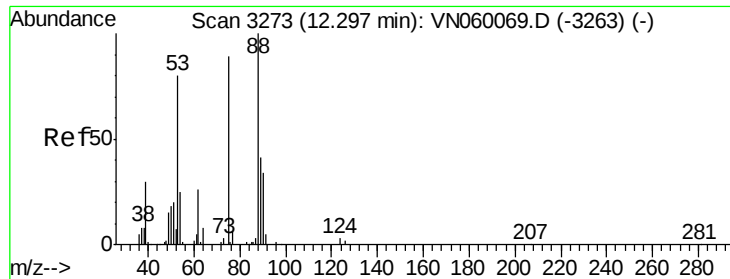
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

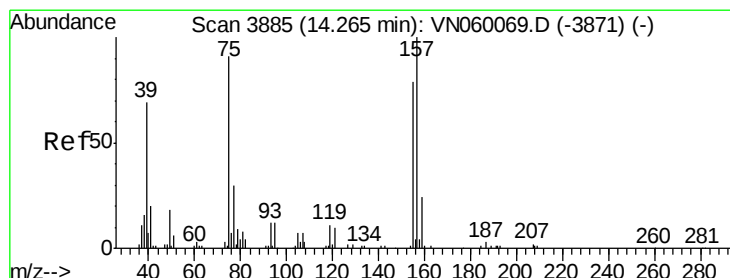
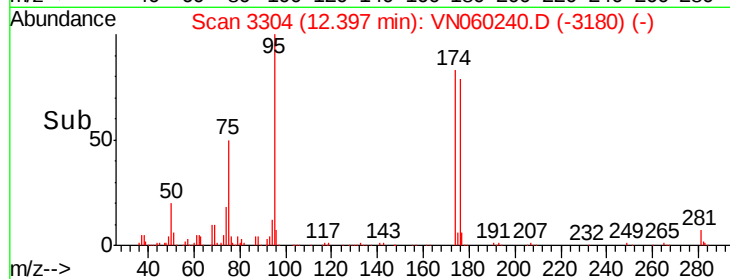
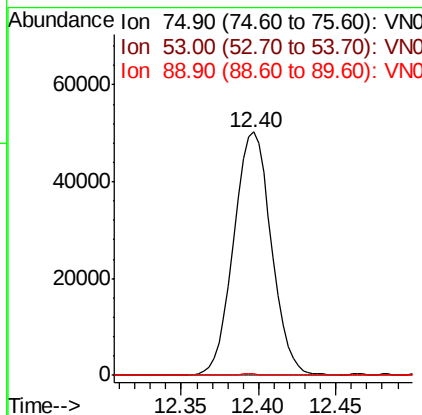
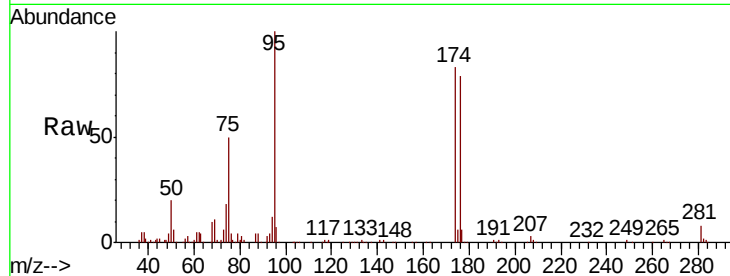




#81
trans-1,4-Dichloro-2-butene
Concen: 65.264 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060240.D
Acq: 25 Feb 2020 17:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 83989
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.6 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.26 min Scan# 3885
Delta R.T. 0.00 min
Lab File: VN060240.D
Acq: 25 Feb 2020 17:29

Tgt Ion: 75 Resp: 294
Ion Ratio Lower Upper
75 100
155 0.0 43.0 129.0#
157 0.0 54.9 164.5#

