

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
 Data File : VN060299.D
 Acq On : 2 Mar 2020 10:05
 Operator : JC/MD
 Sample : VN0302MBL01
 Misc : 5.00uL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 03 05:42:51 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	200118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	323332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	281487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	111912	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	126097	49.11	ug/l	0.00
Spiked Amount						
			Recovery	=	98.22%	
35) Dibromofluoromethane	7.56	113	92804	61.84	ug/l	0.00
Spiked Amount						
			Recovery	=	123.68%	
50) Toluene-d8	10.08	98	390667	51.43	ug/l	0.00
Spiked Amount						
			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.40	95	129713	45.05	ug/l	0.00
Spiked Amount						
			Recovery	=	90.10%	

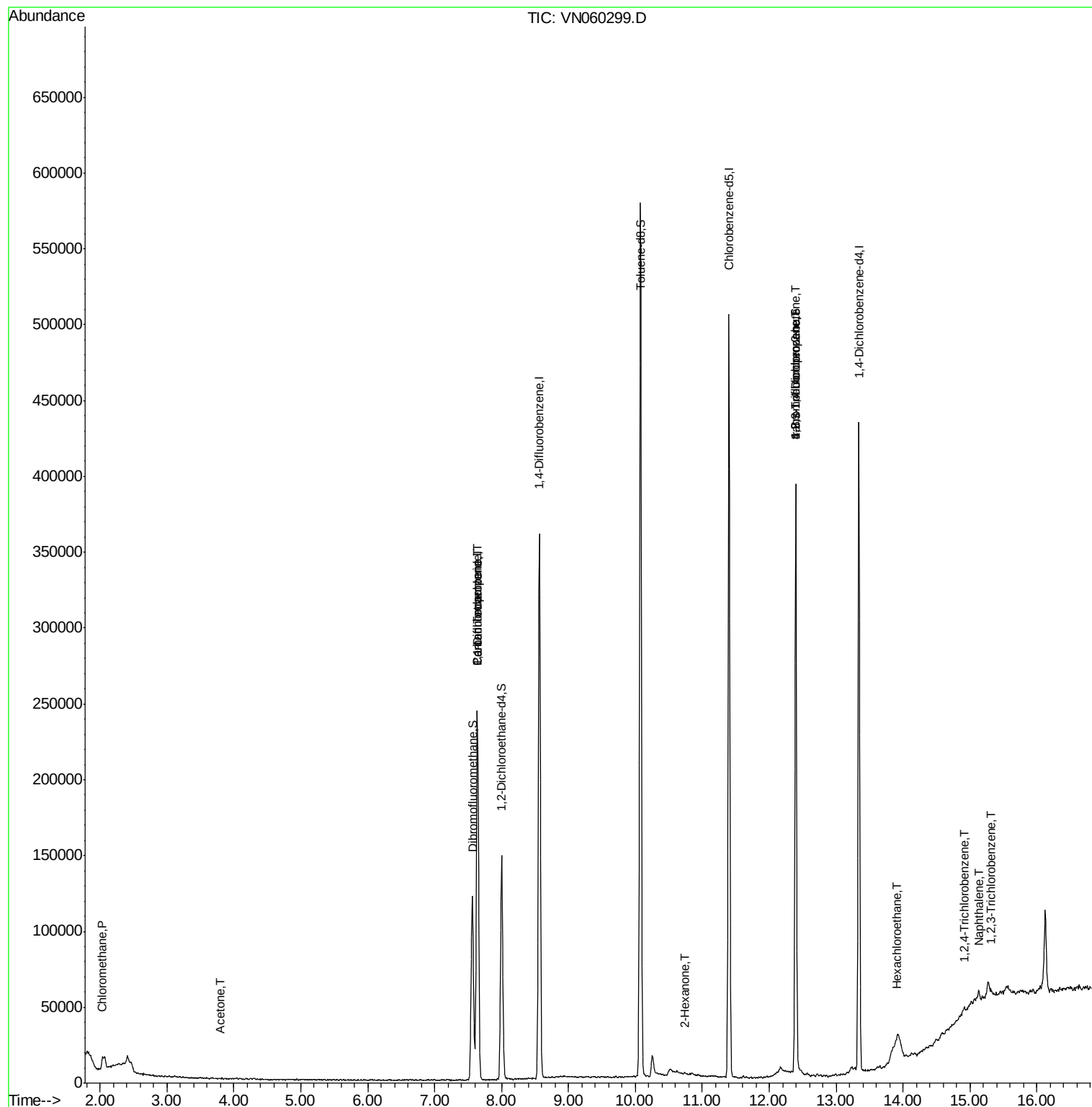
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2026	0.634	ug/l #	83
16) Acetone	3.79	43	358	0.432	ug/l #	44
17) Carbon Disulfide	4.03	76	1044	Below Cal	#	75
21) trans-1,2-Dichloroethene	5.01	96	265	Below Cal	#	1
31) Cyclohexane	7.64	56	4494	Below Cal	#	23
36) 1,1-Dichloropropene	7.64	75	15539	5.043	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19653	6.551	ug/l #	16
59) 2-Hexanone	10.75	43	620	0.292	ug/l	63
76) 1,2,3-Trichloropropane	12.40	75	68127	27.746	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	68127	76.593	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	640	Below Cal	#	67
88) 1,4-Dichlorobenzene	13.36	146	666	Below Cal	#	3
90) Hexachloroethane	13.91	117	292	0.269	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.91	180	1079	0.564	ug/l	85
94) Hexachlorobutadiene	15.01	225	240	Below Cal	#	62
95) Naphthalene	15.13	128	4592	0.419	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	1585	0.563	ug/l #	79

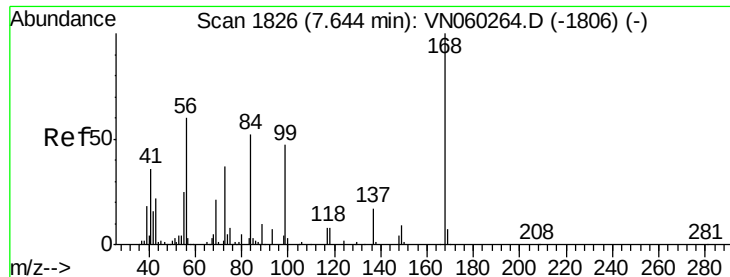
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN060299.D
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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
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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: VN060299.D

Acq: 2 Mar 2020 10:05

Instrument :

MSVOA_N

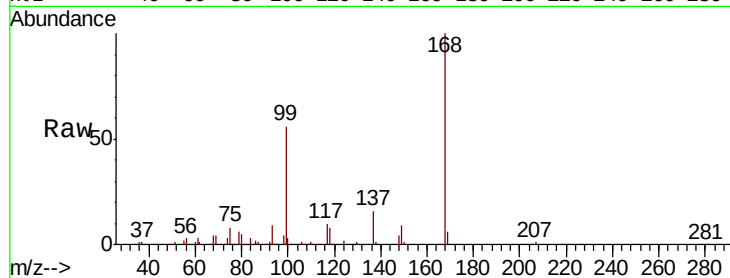
ClientSampleId :

Tot Ion:168 Resp: 200118

Ion Ratio Lower Upper

168 100

99 56.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

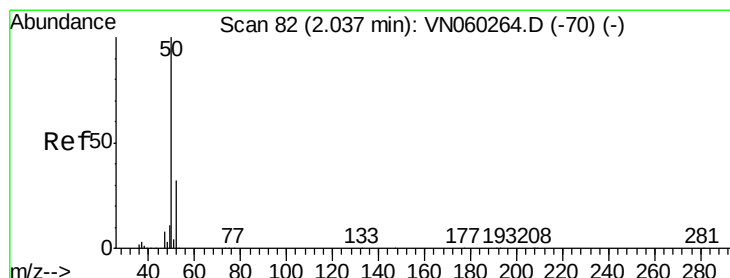
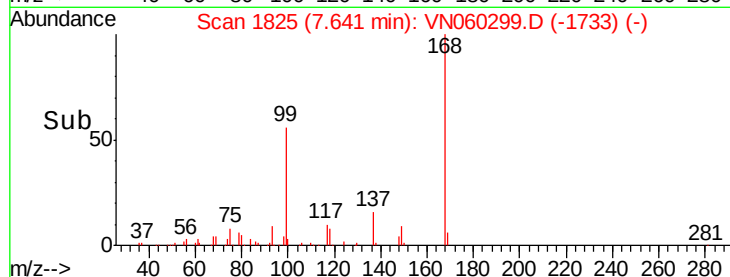
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.634 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060299.D

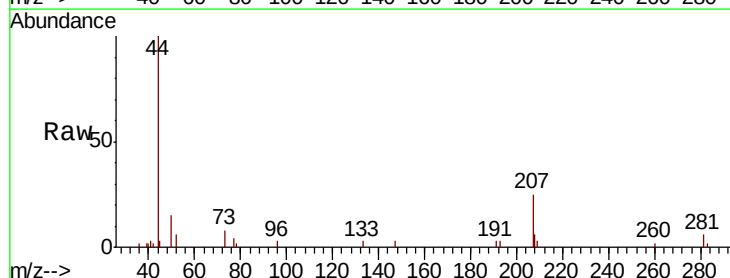
Acq: 2 Mar 2020 10:05

Tgt Ion: 50 Resp: 2026

Ion Ratio Lower Upper

50 100

52 41.3 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

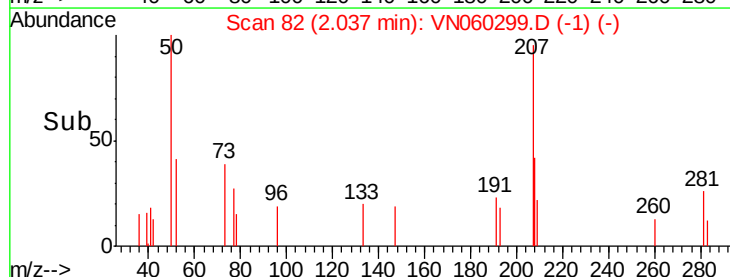
1000

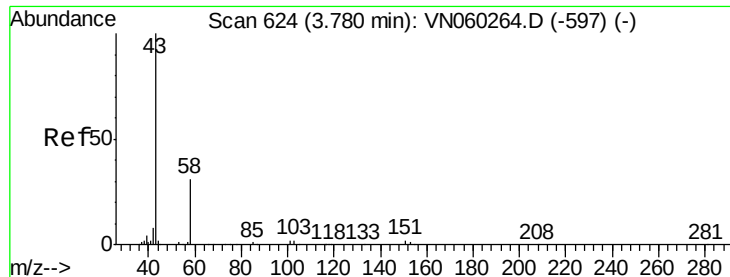
500

0

2.00 2.05

Time-->





#16

Acetone

Concen: 0.432 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060299.D

Acq: 2 Mar 2020 10:05

Instrument :

MSVOA_N

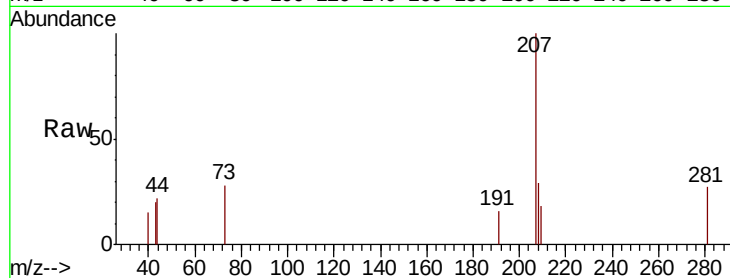
ClientSampled :

Tot Ion: 43 Resp: 358

Ion Ratio Lower Upper

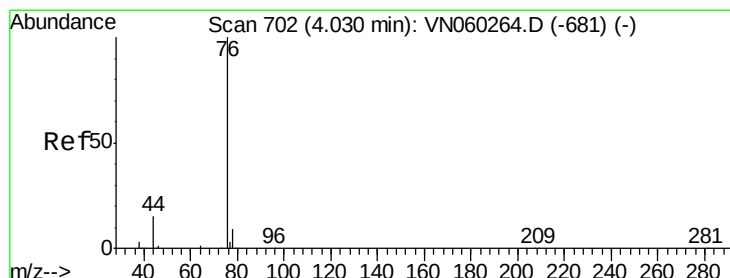
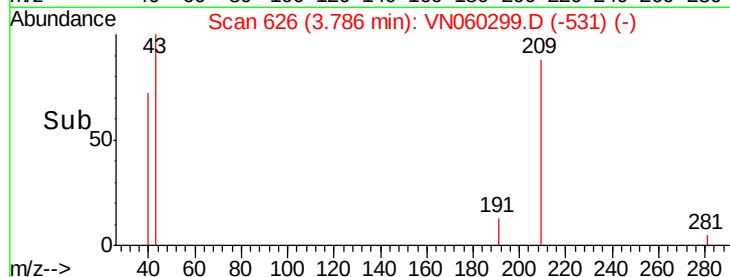
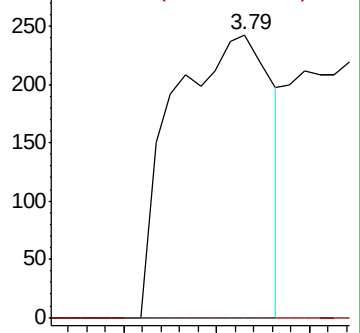
43 100

58 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060299.D

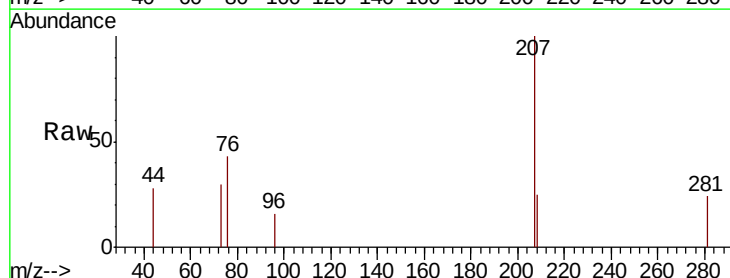
Acq: 2 Mar 2020 10:05

Tgt Ion: 76 Resp: 1044

Ion Ratio Lower Upper

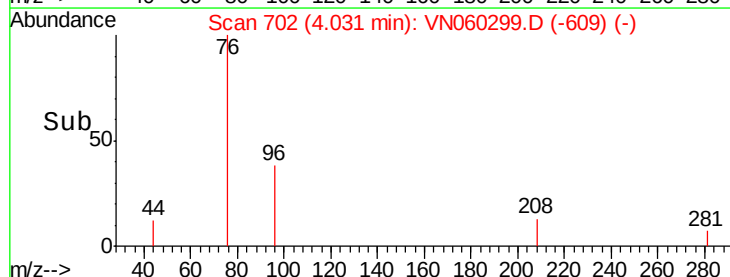
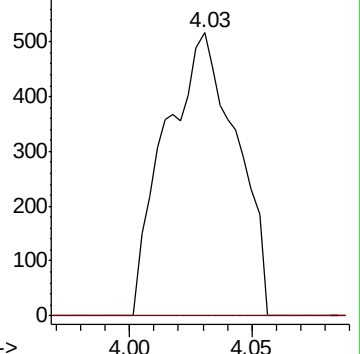
76 100

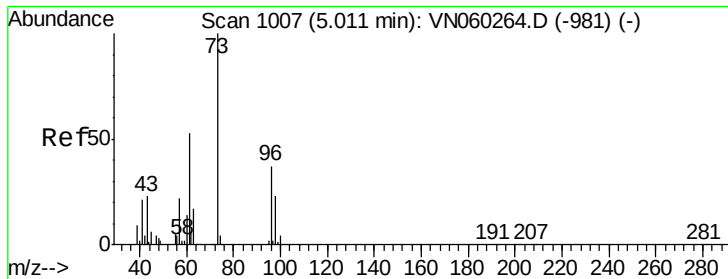
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

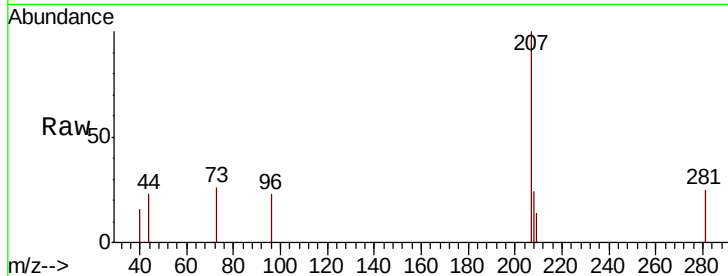




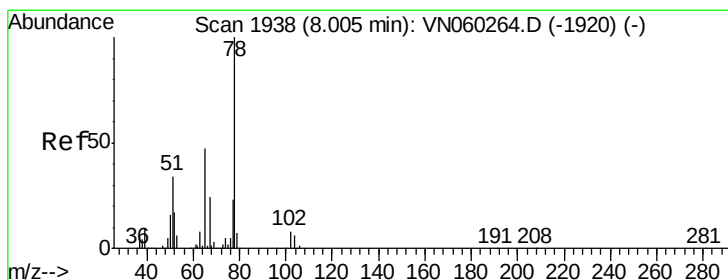
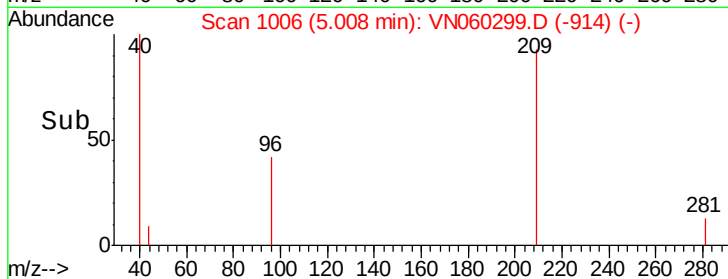
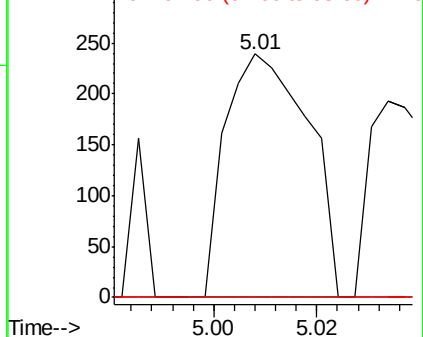
#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060299.D
Acq: 2 Mar 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 265
Ion Ratio Lower Upper
96 100
61 0.0 113.8 170.8#
98 0.0 48.8 73.2#

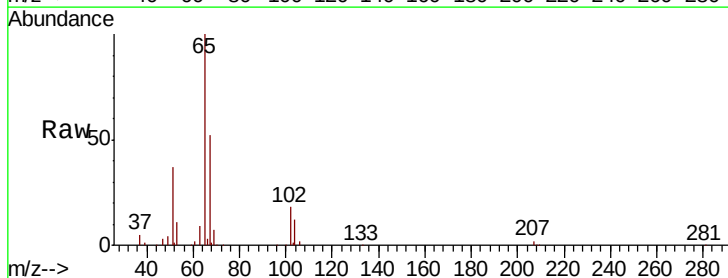


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

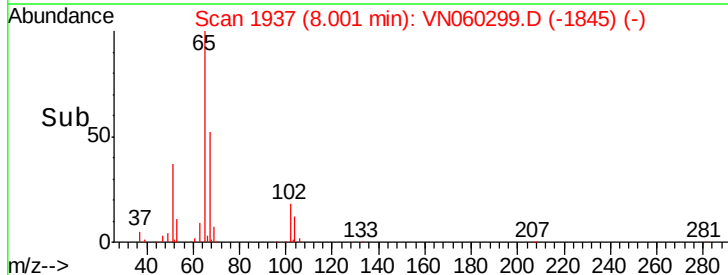
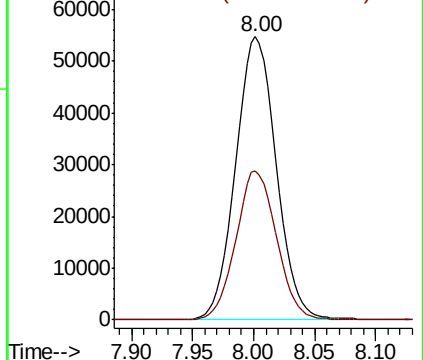


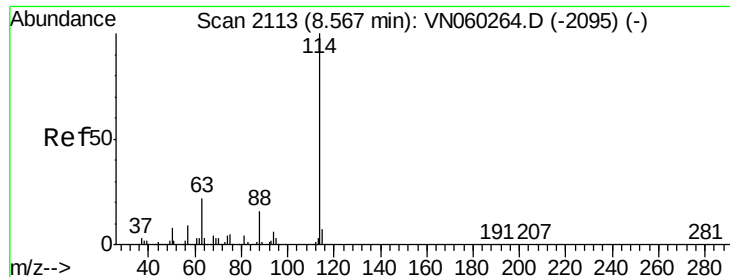
#33
1,2-Dichloroethane-d4
Concen: 49.112 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060299.D
Acq: 2 Mar 2020 10:05

Tgt Ion: 65 Resp: 126097
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

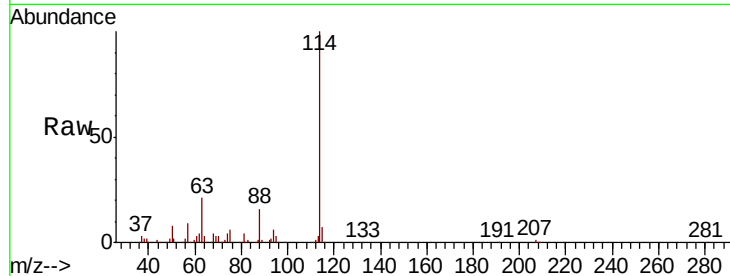




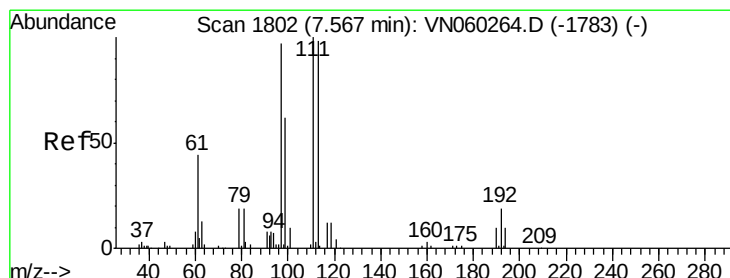
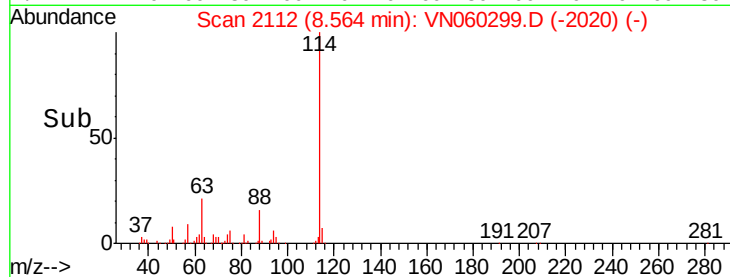
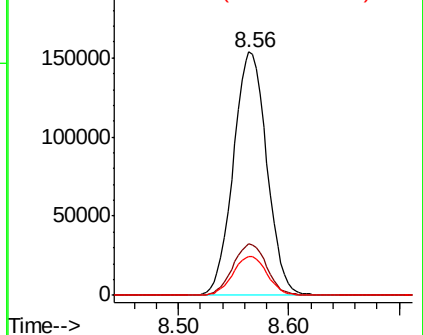
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060299.D
 Acq: 2 Mar 2020 10:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 323332
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.2
 88 16.1 0.0 31.6

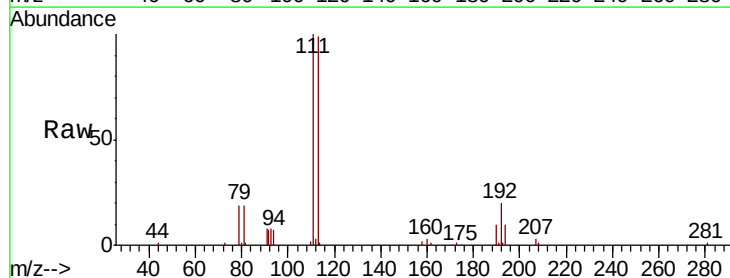


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

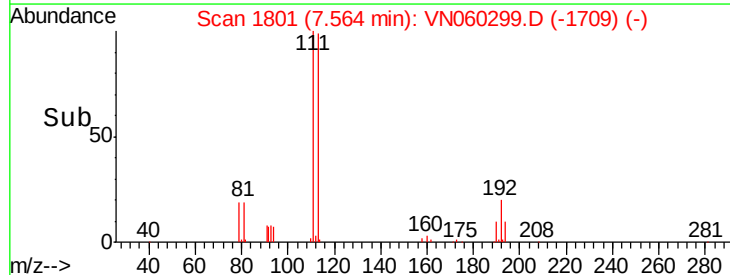
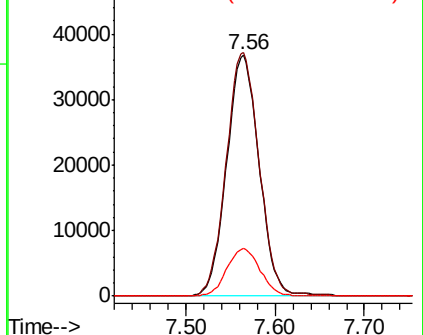


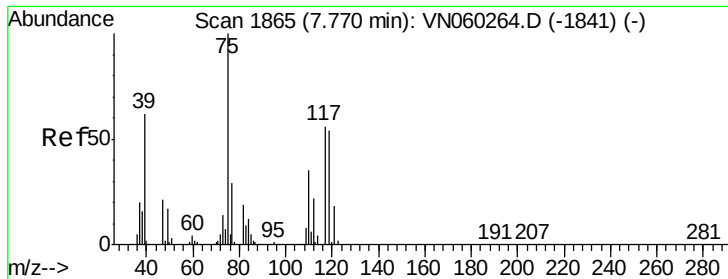
#35
 Dibromofluoromethane
 Concen: 61.836 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060299.D
 Acq: 2 Mar 2020 10:05

Tgt Ion:113 Resp: 92804
 Ion Ratio Lower Upper
 113 100
 111 102.4 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: 5.043 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060299.D

Acq: 2 Mar 2020 10:05

Instrument :
MSVOA_N
ClientSampleId :

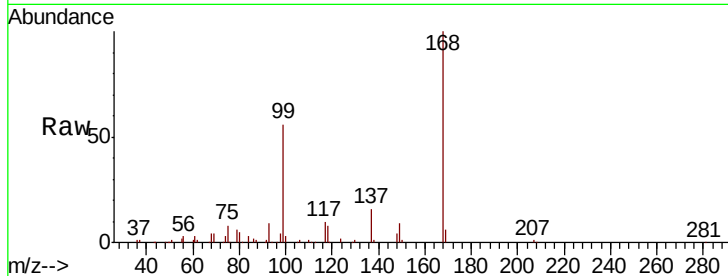
Tot Ion: 75 Resp: 15539

Ion Ratio Lower Upper

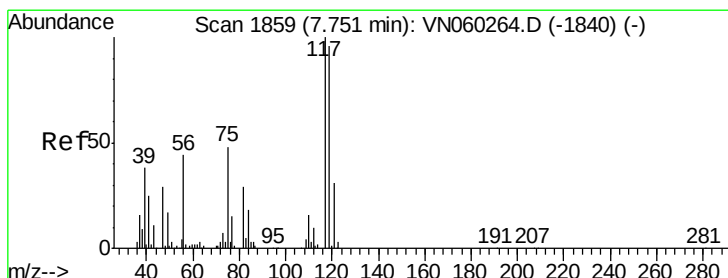
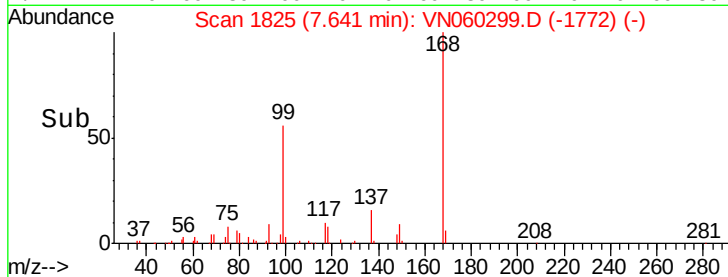
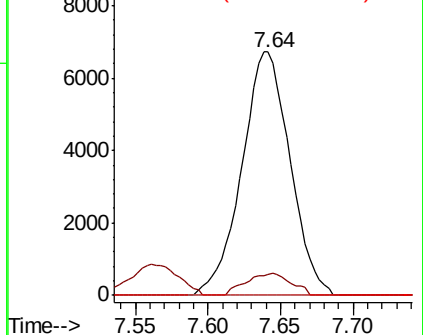
75 100

110 8.4 17.3 52.0#

77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 6.551 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060299.D

Acq: 2 Mar 2020 10:05

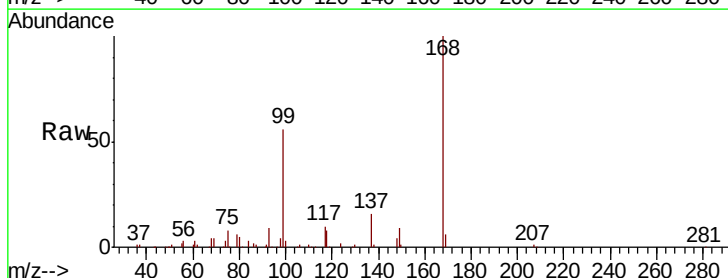
Tgt Ion: 117 Resp: 19653

Ion Ratio Lower Upper

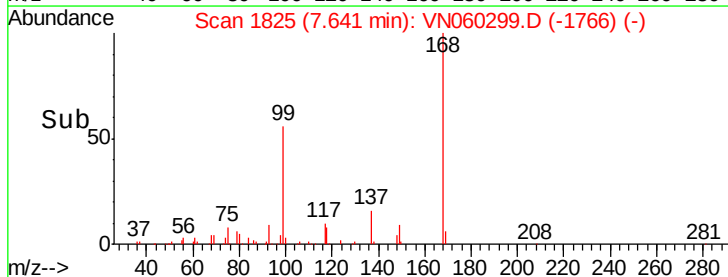
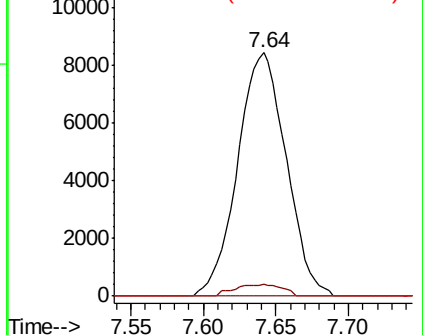
117 100

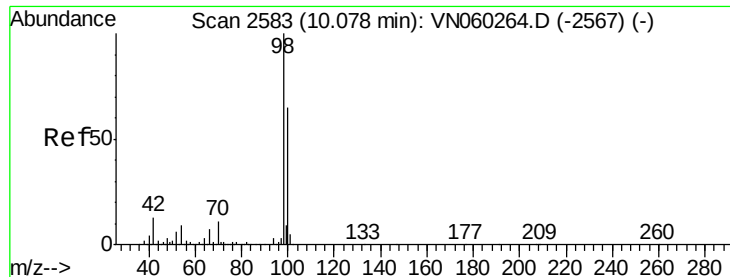
119 4.6 76.7 115.1#

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





#50

Toluene-d8

Concen: 51.432 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060299.D

Acq: 2 Mar 2020 10:05

Instrument :

MSVOA_N

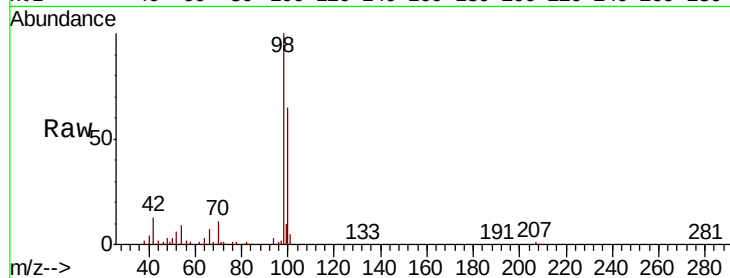
ClientSampleId :

Tot Ion: 98 Resp: 390667

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

250000

200000

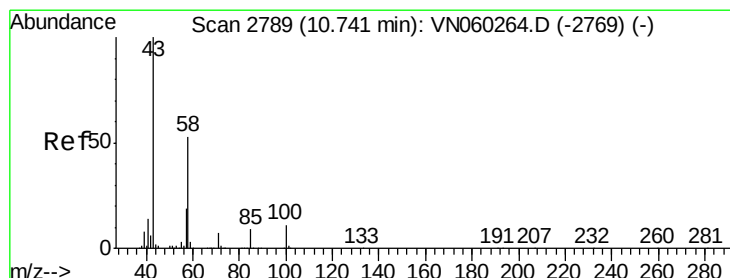
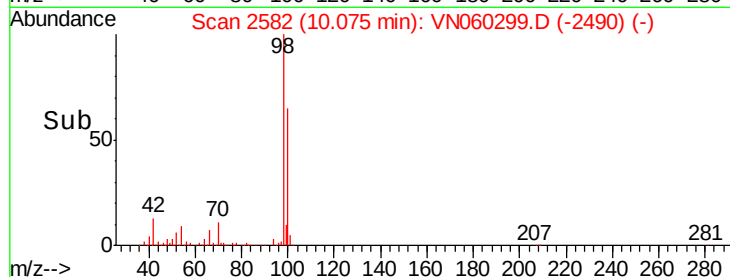
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 0.292 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.01 min

Lab File: VN060299.D

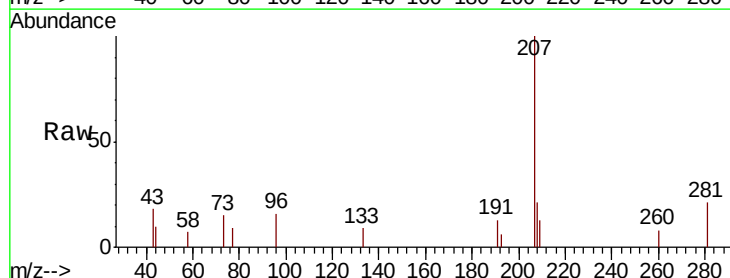
Acq: 2 Mar 2020 10:05

Tgt Ion: 43 Resp: 620

Ion Ratio Lower Upper

43 100

58 26.6 26.5 79.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

500

400

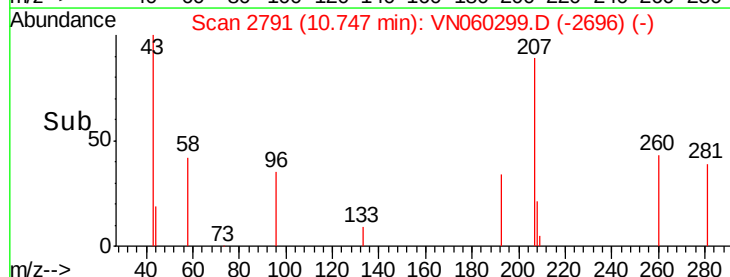
300

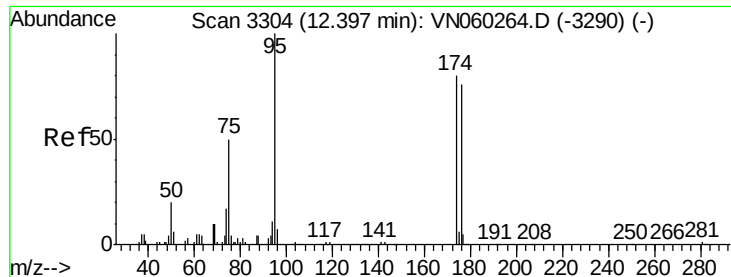
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 45.049 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060299.D

Acq: 2 Mar 2020 10:05

Instrument :

MSVOA_N

ClientSampled :

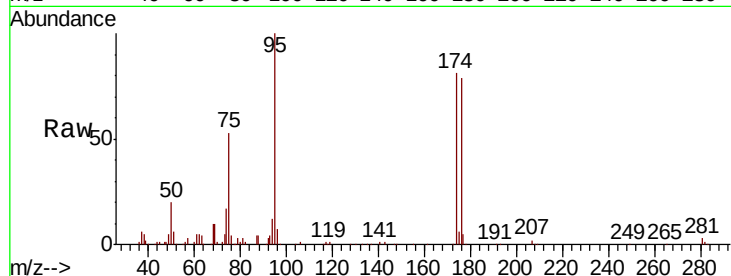
Tot Ion: 95 Resp: 129713

Ion Ratio Lower Upper

95 100

174 80.2 0.0 159.2

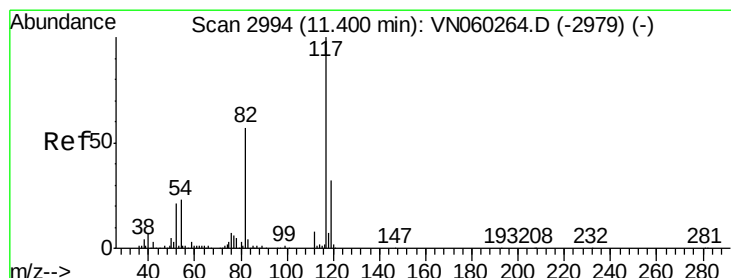
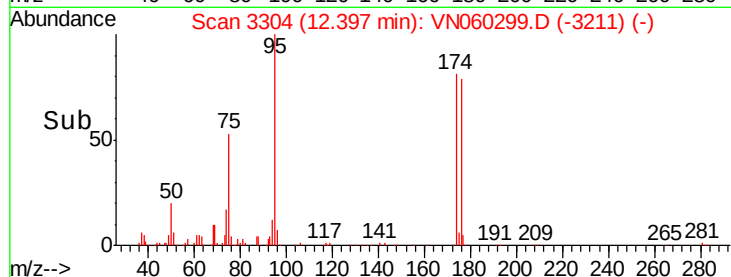
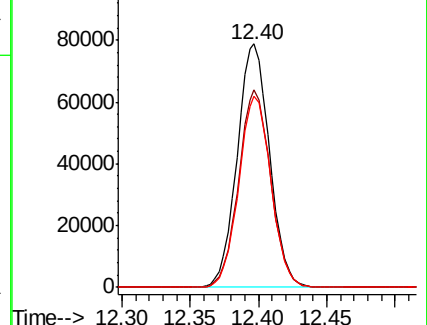
176 78.1 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060264.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060264.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060264.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060299.D

Acq: 2 Mar 2020 10:05

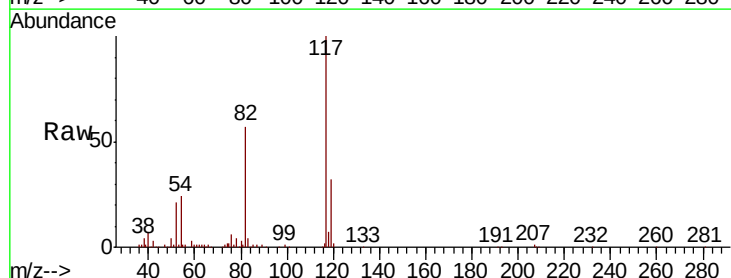
Tgt Ion: 117 Resp: 281487

Ion Ratio Lower Upper

117 100

82 57.2 45.8 68.6

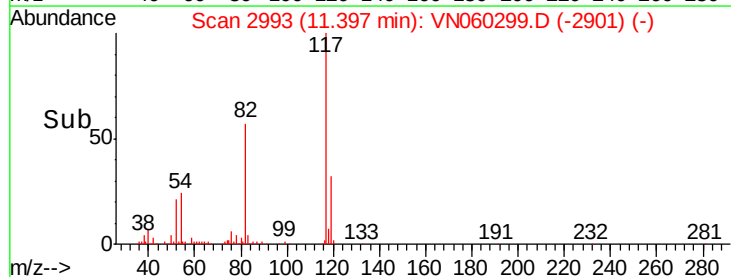
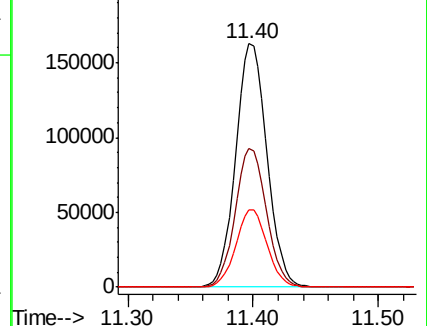
119 31.8 25.8 38.8

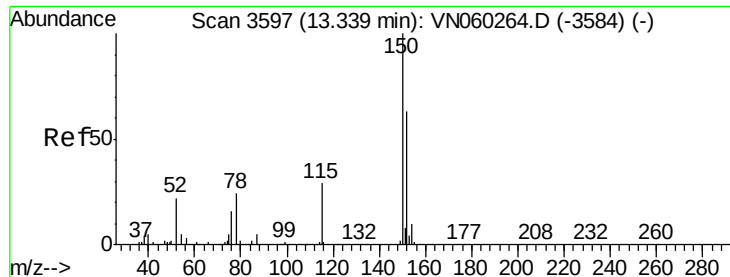


Abundance Ion 116.90 (116.60 to 117.60): VN060264.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060264.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060264.D (-2979) (-)



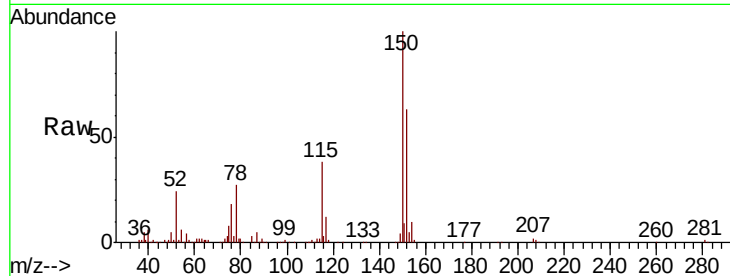


#72

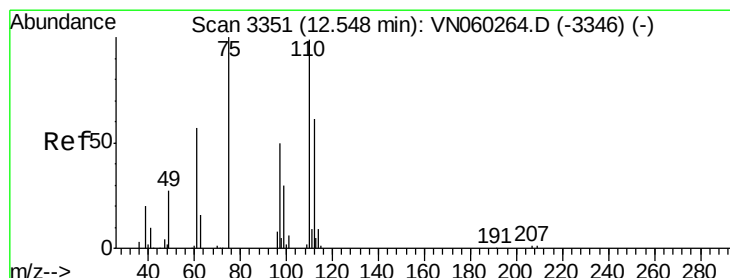
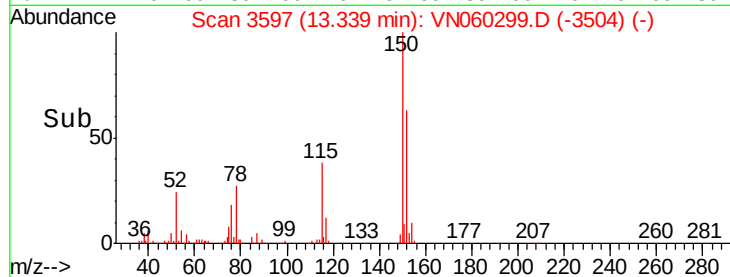
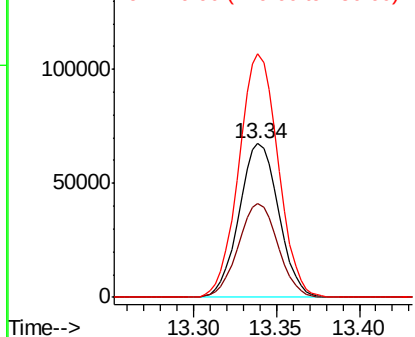
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060299.D
Acq: 2 Mar 2020 10:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.0	90.0
150	157.5	0.0	349.6



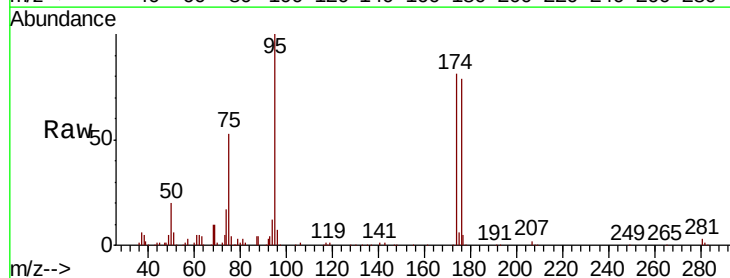
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



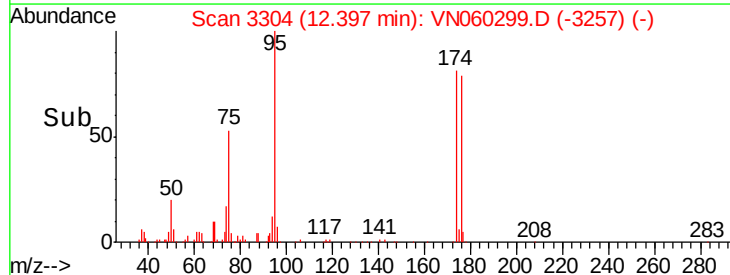
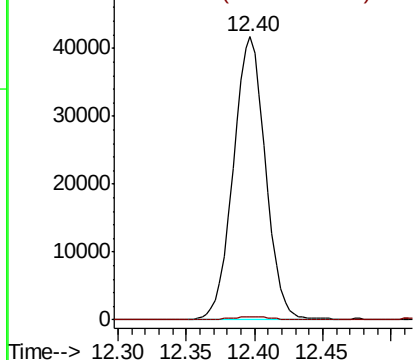
#76

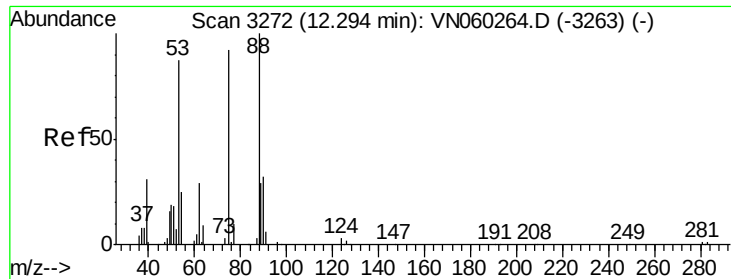
1,2,3-Trichloropropane
Concen: 27.746 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060299.D
Acq: 2 Mar 2020 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	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: 76.593 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060299.D

Acq: 2 Mar 2020 10:05

Instrument :

MSVOA_N

ClientSampled :

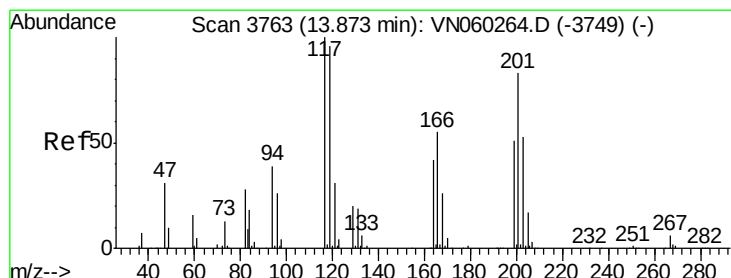
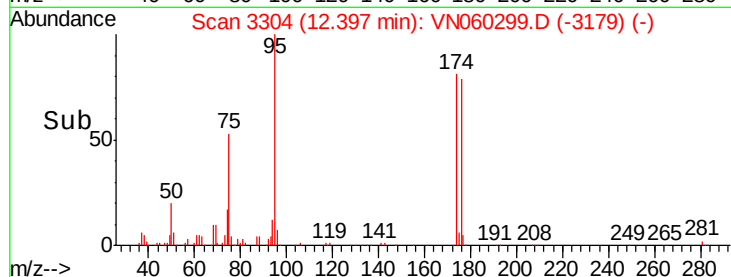
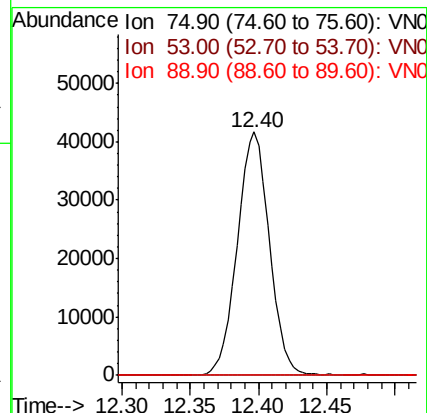
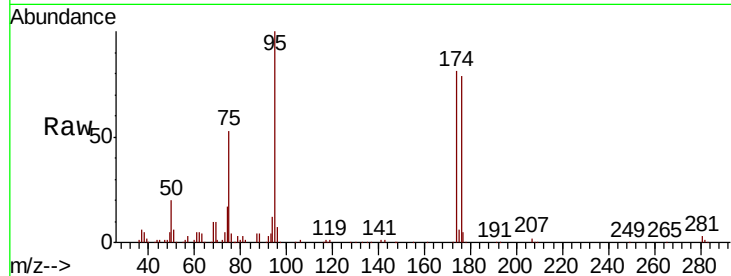
Tot Ion: 75 Resp: 68127

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#



#90

Hexachloroethane

Concen: 0.269 ug/l

RT: 13.91 min Scan# 3776

Delta R.T. 0.04 min

Lab File: VN060299.D

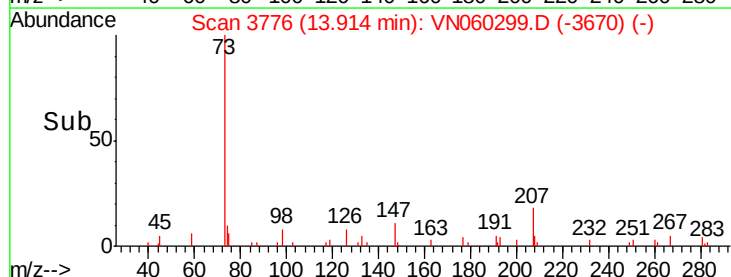
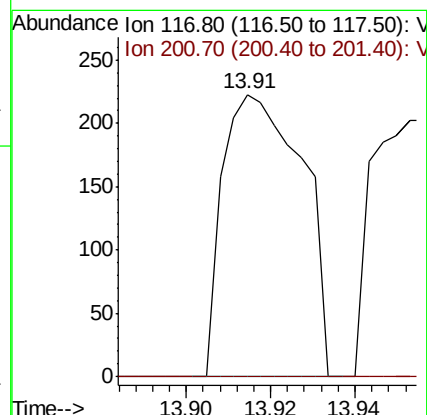
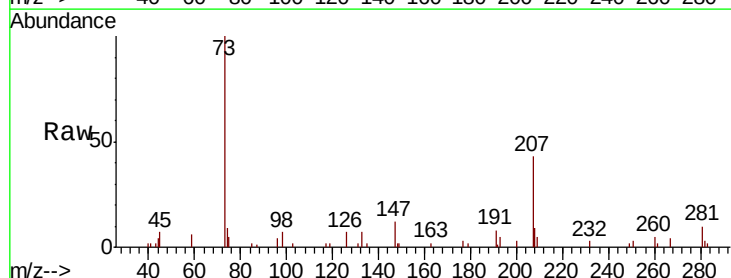
Acq: 2 Mar 2020 10:05

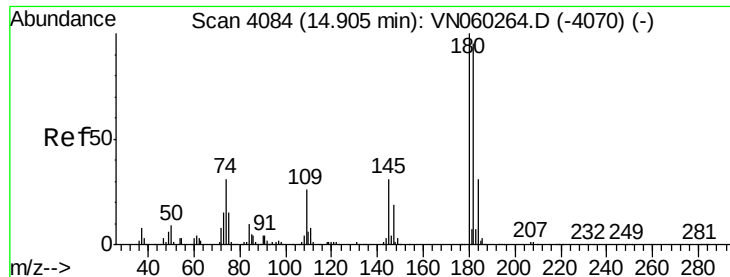
Tgt Ion: 117 Resp: 292

Ion Ratio Lower Upper

117 100

201 0.0 41.0 123.0#

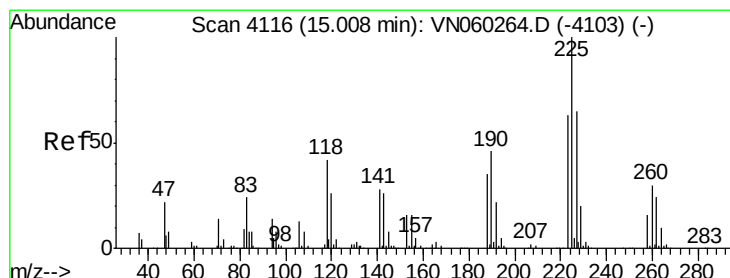
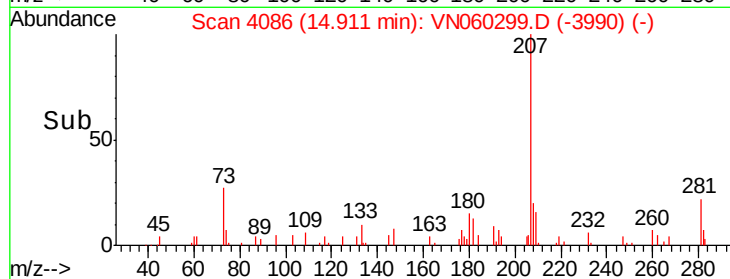
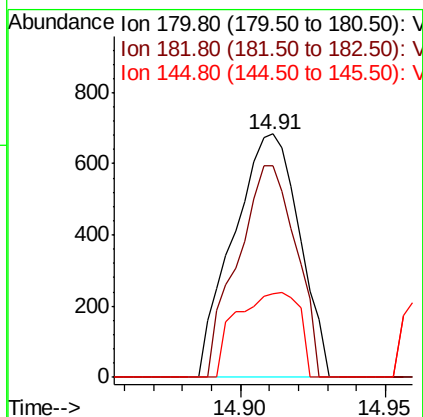
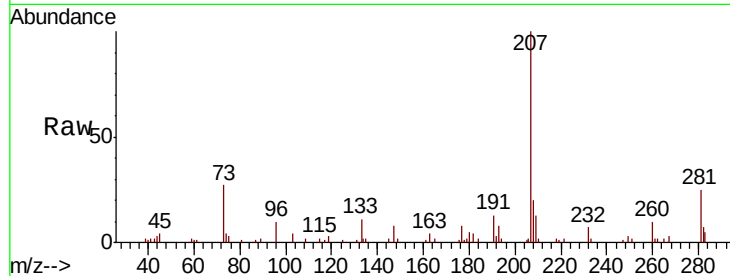




#93
 1,2,4-Trichlorobenzene
 Concen: 0.564 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN060299.D
 Acq: 2 Mar 2020 10:05

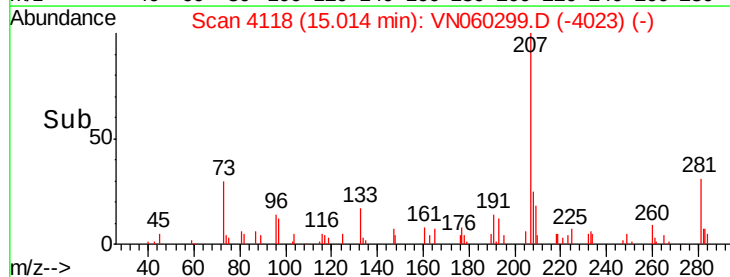
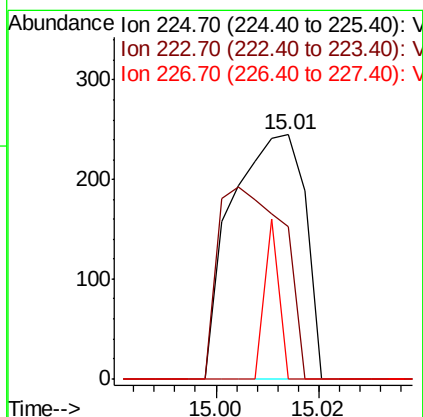
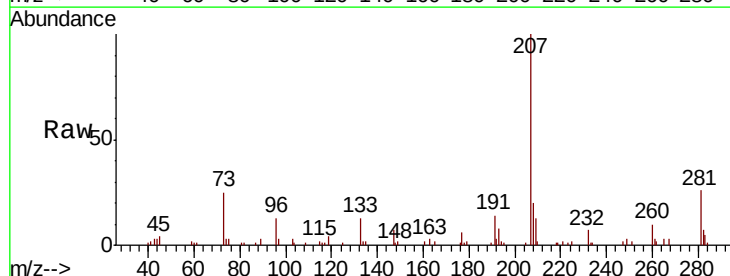
Instrument :
 MSVOA_N
 ClientSampleId :

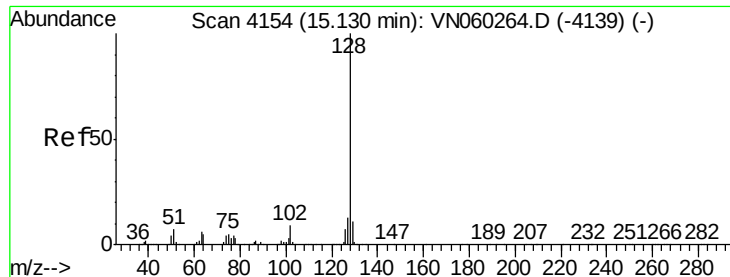
Tot Ion:180 Resp: 1079
 Ion Ratio Lower Upper
 180 100
 182 76.9 47.8 143.3
 145 32.9 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.01 min
 Lab File: VN060299.D
 Acq: 2 Mar 2020 10:05

Tgt Ion:225 Resp: 240
 Ion Ratio Lower Upper
 225 100
 223 70.0 31.3 93.9
 227 12.9 32.3 96.9#





#95

Naphthalene

Concen: 0.419 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060299.D

Acq: 2 Mar 2020 10:05

Instrument :

MSVOA_N

ClientSampled :

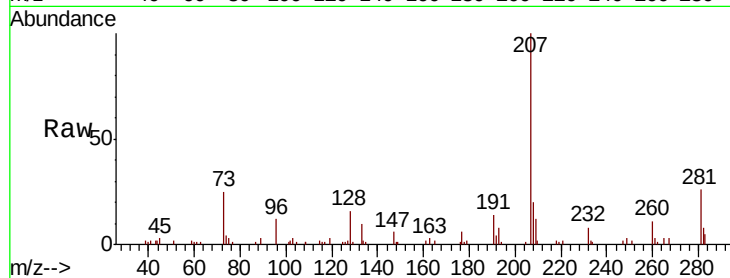
Tot Ion:128 Resp: 4592

Ion Ratio Lower Upper

128 100

127 10.1 10.4 15.6#

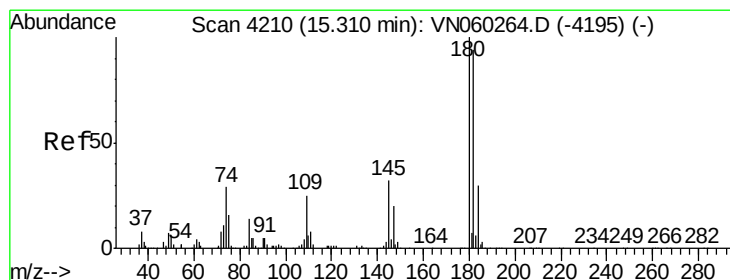
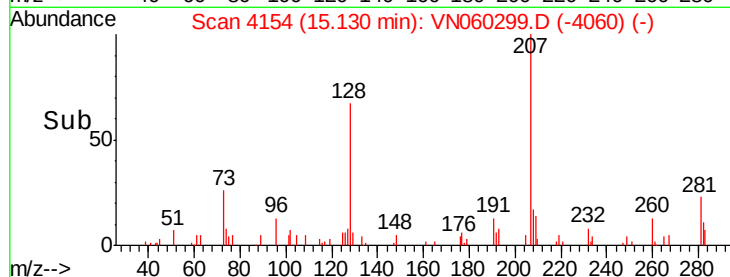
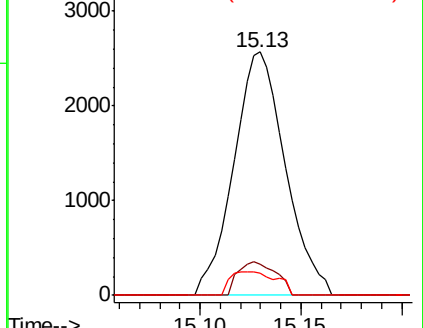
129 8.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.563 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060299.D

Acq: 2 Mar 2020 10:05

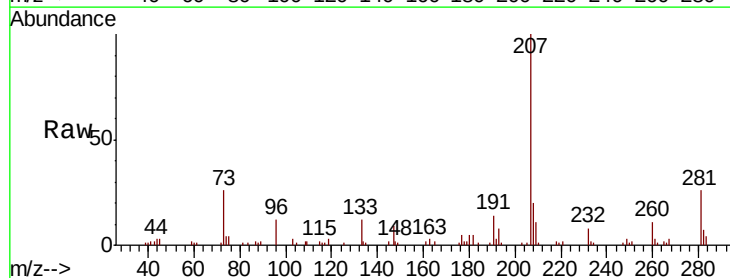
Tgt Ion:180 Resp: 1585

Ion Ratio Lower Upper

180 100

182 79.1 47.3 142.0

145 13.6 16.2 48.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

