

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
 Data File : VN060106.D
 Acq On : 14 Feb 2020 13:25
 Operator : JC/MD
 Sample : L1484-02
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 02:45:02 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	171422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	278841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	252901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123060	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	106141	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
35) Dibromofluoromethane	7.56	113	82830	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
50) Toluene-d8	10.08	98	338941	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	119530	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	

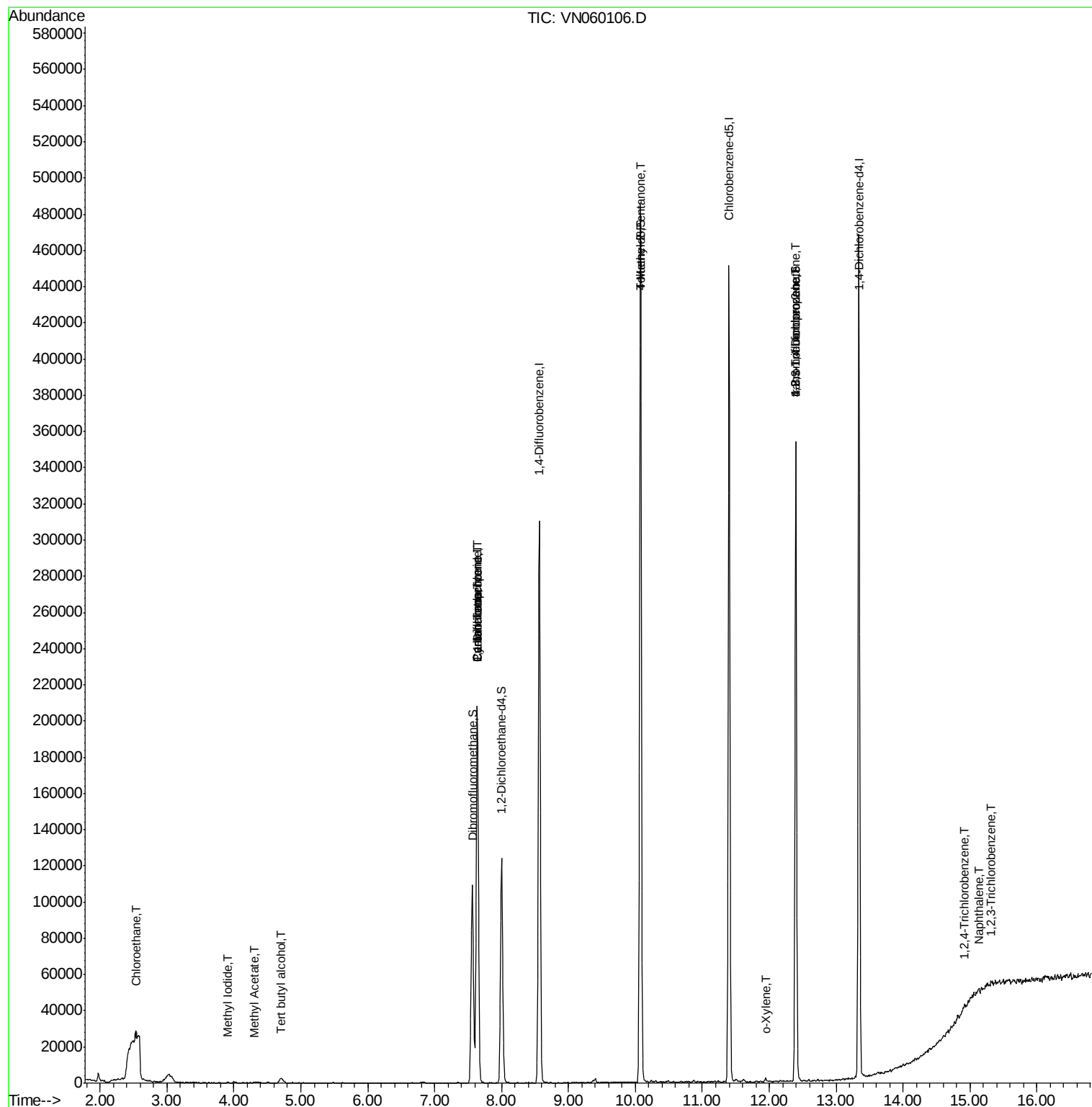
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.55	64	416	0.354	ug/l #	41
10) Methyl Iodide	3.91	142	186	2.569	ug/l #	42
11) Tert butyl alcohol	4.70	59	3205	10.268	ug/l #	72
18) Methyl Acetate	4.31	43	834	0.488	ug/l #	50
31) Cyclohexane	7.64	56	3910	1.325	ug/l #	36
36) 1,1-Dichloropropene	7.64	75	13414	5.194	ug/l #	48
38) Carbon Tetrachloride	7.64	117	16394	5.845	ug/l #	14
51) 4-Methyl-2-Pentanone	10.08	43	1664	0.720	ug/l #	1
69) o-Xylene	11.95	106	790	0.235	ug/l	75
76) 1,2,3-Trichloropropane	12.40	75	63335	26.901	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	63335	65.866	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.25	75	30	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.92	180	804	0.346	ug/l	89
95) Naphthalene	15.14	128	2104	0.336	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.31	180	921	0.398	ug/l	78

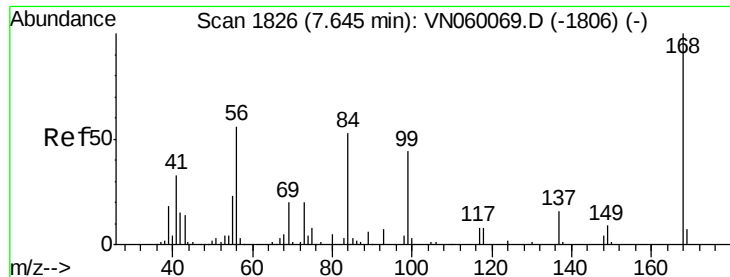
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021420\
Data File : VN060106.D
Acq On : 14 Feb 2020 13:25
Operator : JC/MD
Sample : L1484-02
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 15 02:45:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
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# 1824

Delta R.T. -0.01 min

Lab File: VN060106.D

Acq: 14 Feb 2020 13:25

Instrument :

MSVOA_N

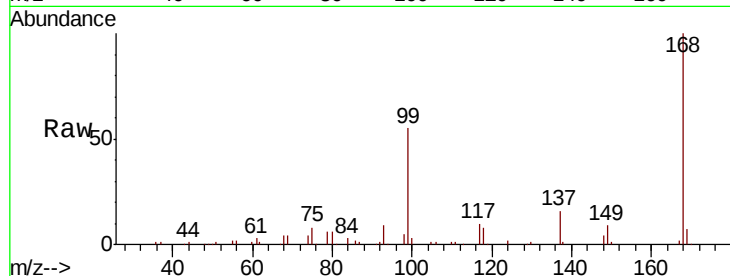
ClientSampled :

Tot Ion:168 Resp: 171422

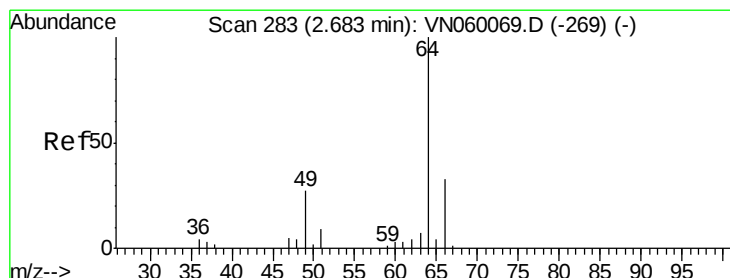
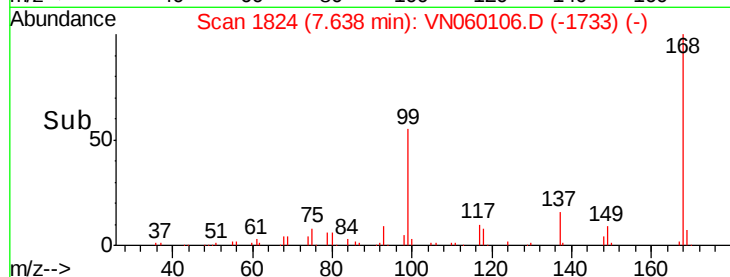
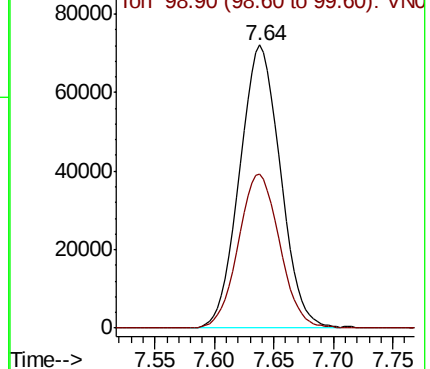
Ion Ratio Lower Upper

168 100

99 54.7 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): VN060069.D (-1806) (-)



#6

Chloroethane

Concen: 0.354 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.13 min

Lab File: VN060106.D

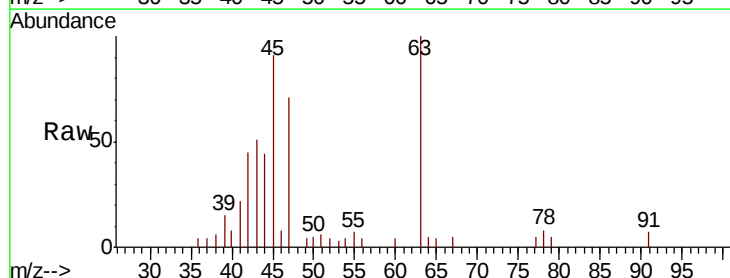
Acq: 14 Feb 2020 13:25

Tgt Ion: 64 Resp: 416

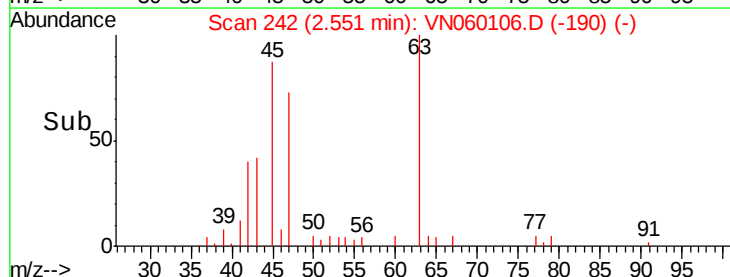
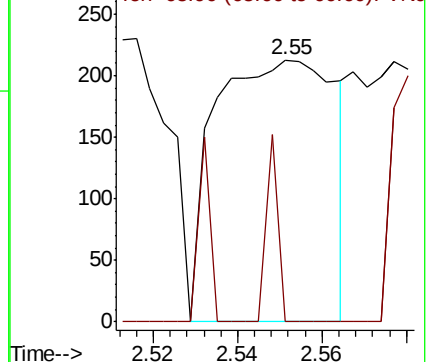
Ion Ratio Lower Upper

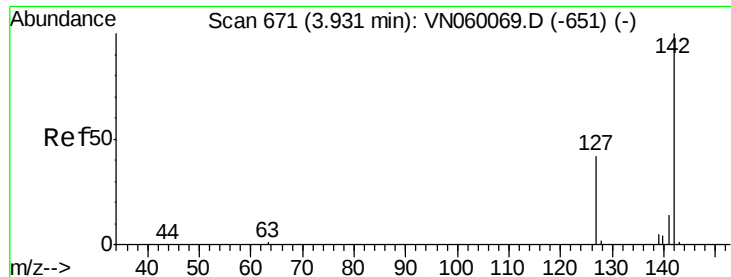
64 100

66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VN060069.D (-269) (-)

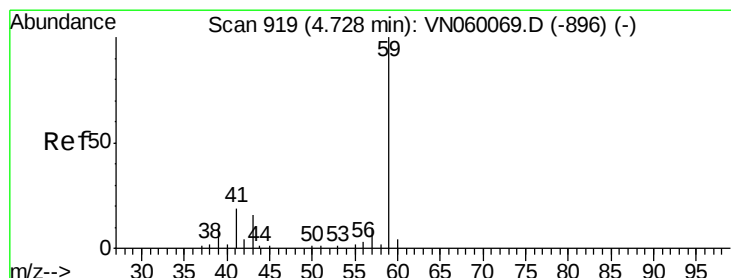
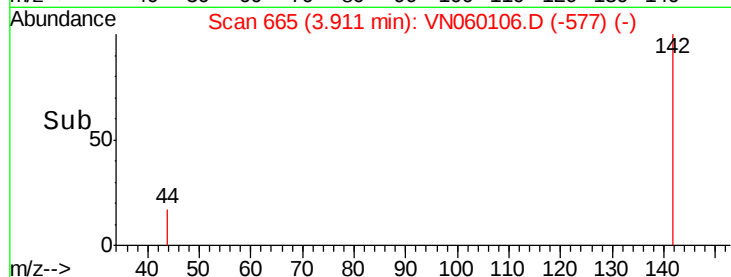
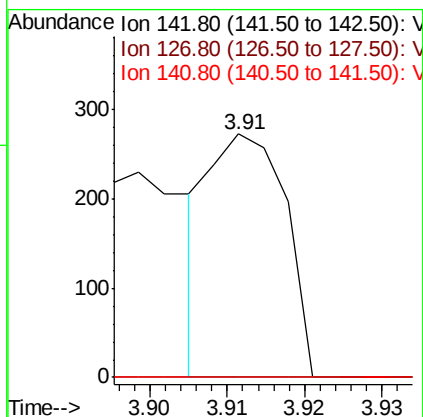
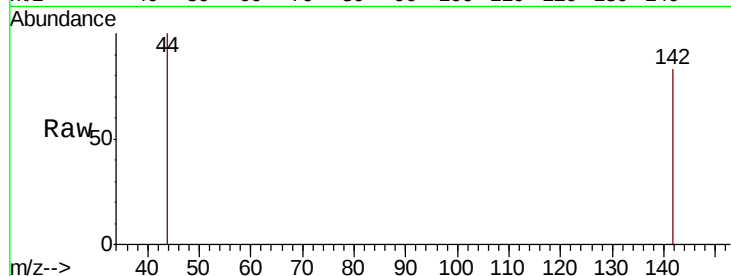




#10
Methyl Iodide
Concen: 2.569 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.02 min
Lab File: VN060106.D
Acq: 14 Feb 2020 13:25

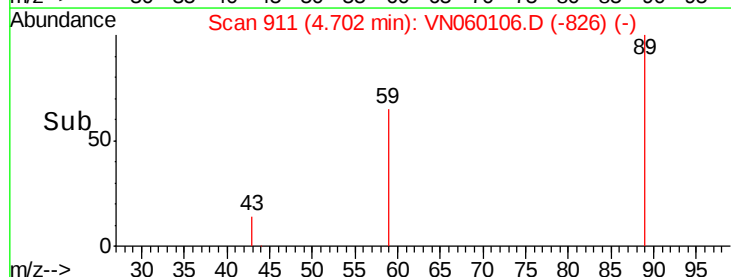
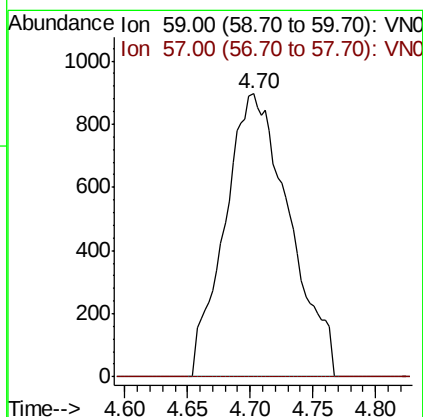
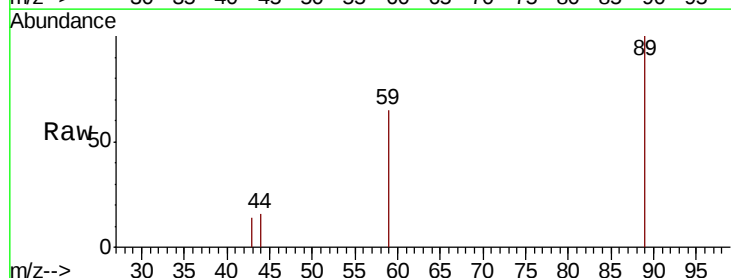
Instrument :
MSVOA_N
ClientSampleId :

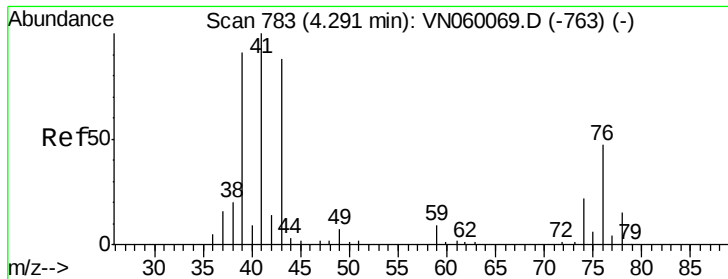
Tot Ion:142 Resp: 186
Ion Ratio Lower Upper
142 100
127 0.0 33.6 50.4#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 10.268 ug/l
RT: 4.70 min Scan# 911
Delta R.T. -0.03 min
Lab File: VN060106.D
Acq: 14 Feb 2020 13:25

Tgt Ion: 59 Resp: 3205
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

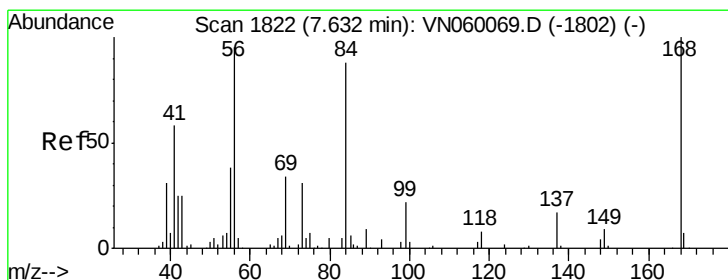
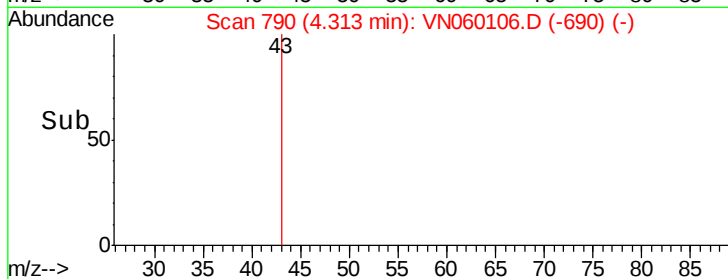
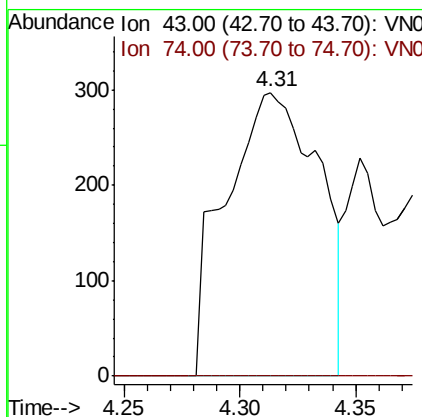
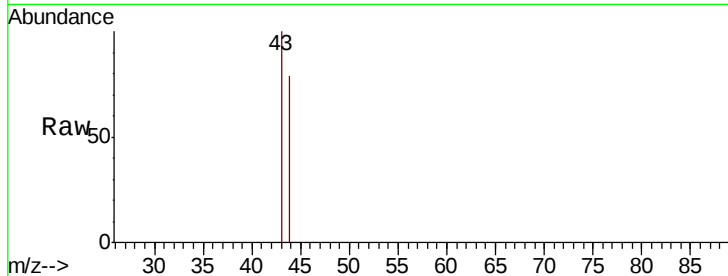




#18
Methvl Acetate
Concen: 0.488 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.02 min
Lab File: VN060106.D
Acq: 14 Feb 2020 13:25

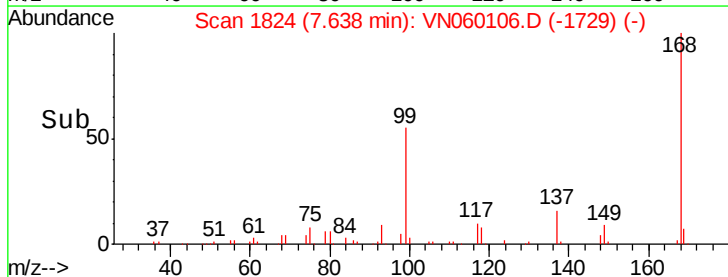
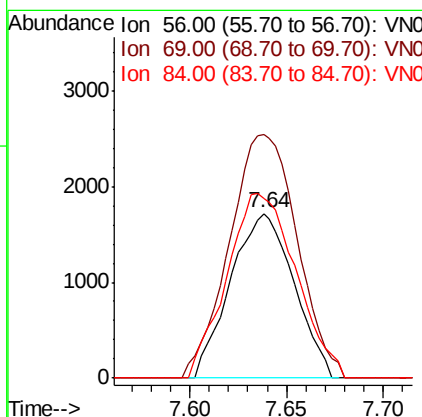
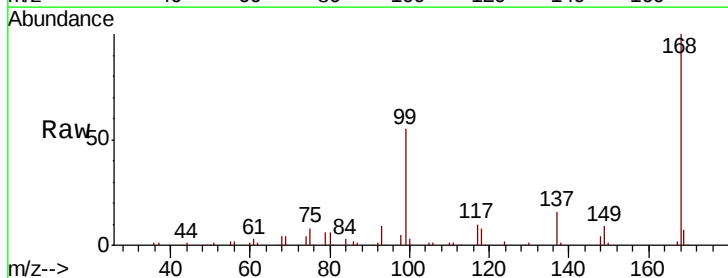
Instrument :
MSVOA_N
ClientSampled :

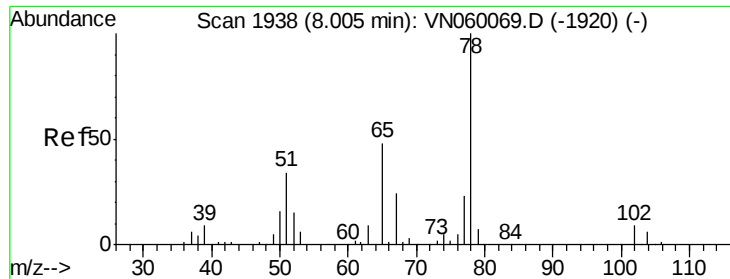
Tot Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#31
Cyclohexane
Concen: 1.325 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060106.D
Acq: 14 Feb 2020 13:25

Tgt Ion: 56 Resp: 3910
Ion Ratio Lower Upper
56 100
69 139.0 28.3 42.5#
84 108.8 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 50.885 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060106.D

Acq: 14 Feb 2020 13:25

Instrument :

MSVOA_N

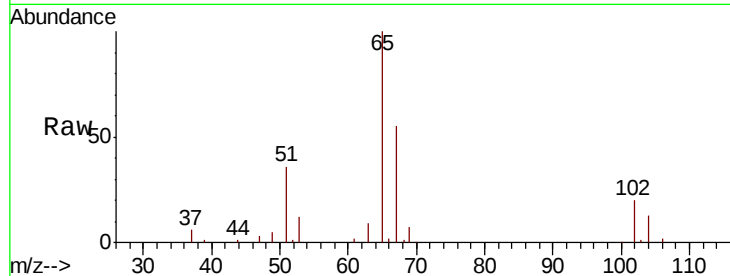
ClientSampled :

Tot Ion: 65 Resp: 106141

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN060069.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060069.D (-1920) (-)

8.00

50000

40000

30000

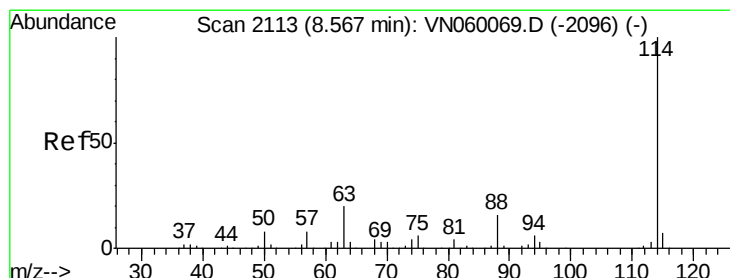
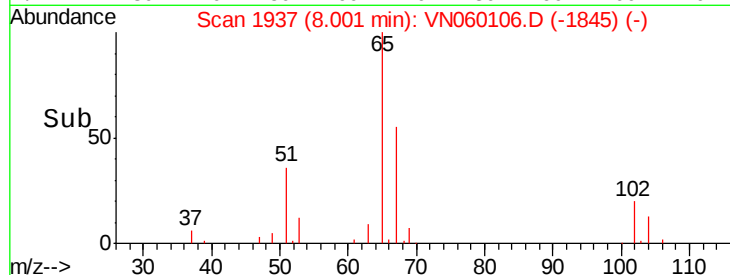
20000

10000

0

Time-->

7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060106.D

Acq: 14 Feb 2020 13:25

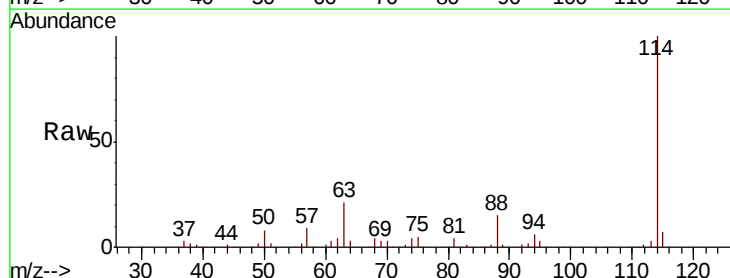
Tgt Ion: 114 Resp: 278841

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 15.5 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060069.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN060069.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN060069.D (-2096) (-)

8.56

150000

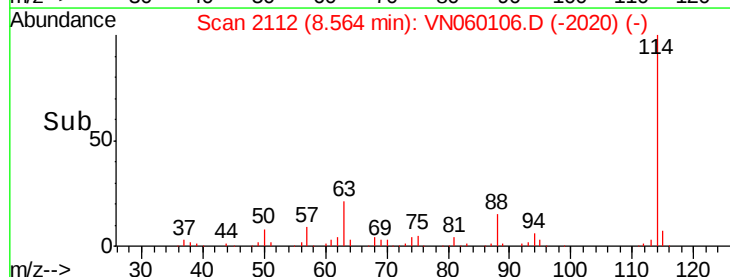
100000

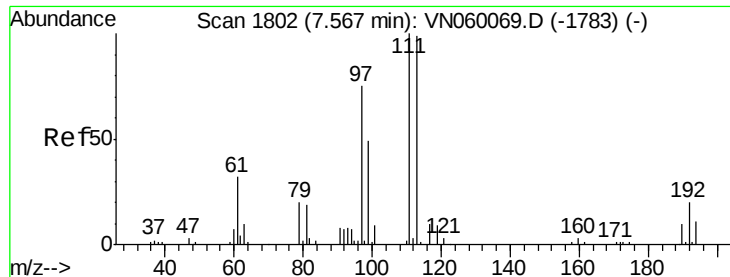
50000

0

Time-->

8.50 8.60 8.70

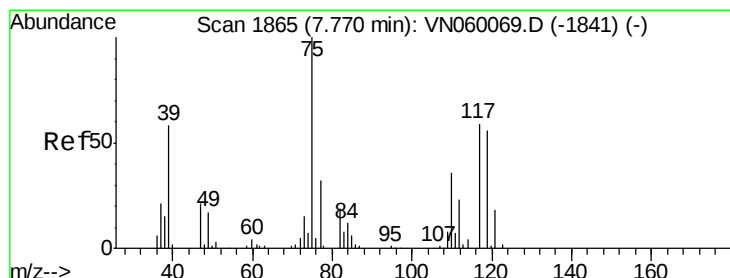
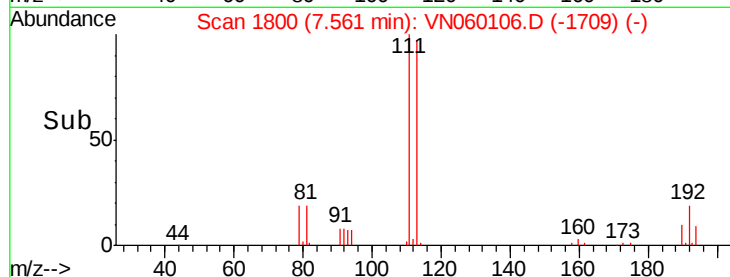
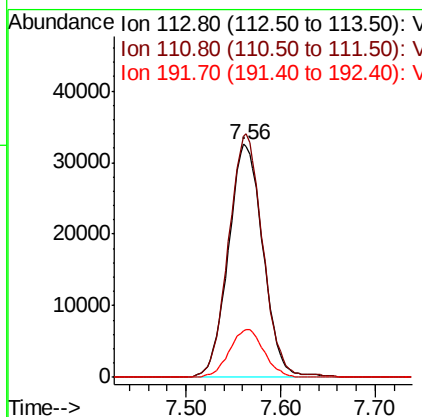
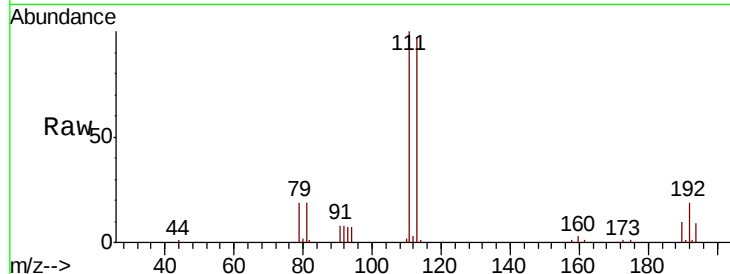




#35
 Dibromofluoromethane
 Concen: 48.325 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN060106.D
 Acq: 14 Feb 2020 13:25

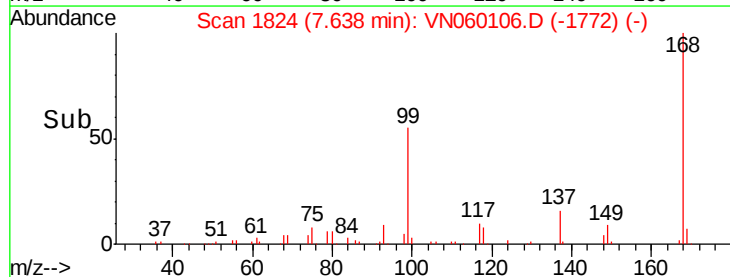
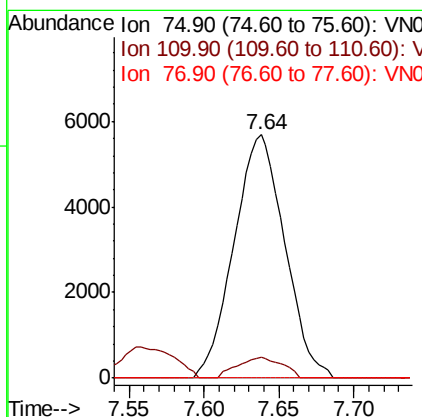
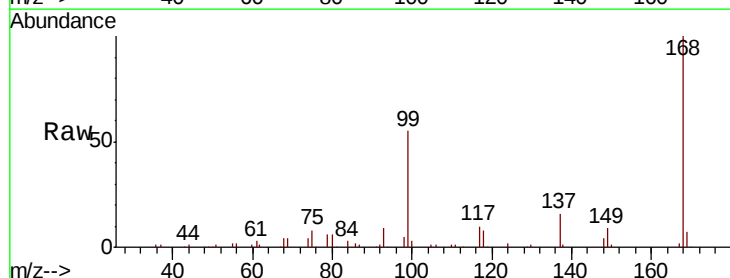
Instrument :
 MSVOA_N
 ClientSampleId :

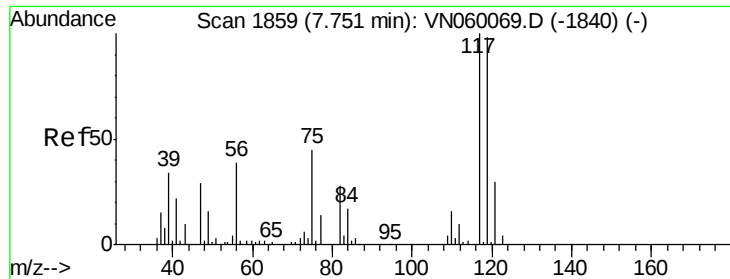
Tot Ion:113 Resp: 82830
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.4 122.2
 192 20.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.194 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060106.D
 Acq: 14 Feb 2020 13:25

Tgt Ion: 75 Resp: 13414
 Ion Ratio Lower Upper
 75 100
 110 7.5 18.1 54.3#
 77 0.0 25.1 37.7#

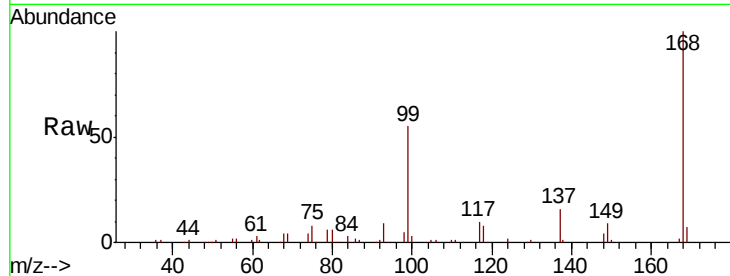




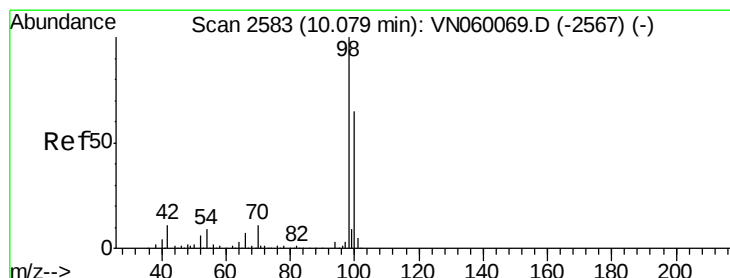
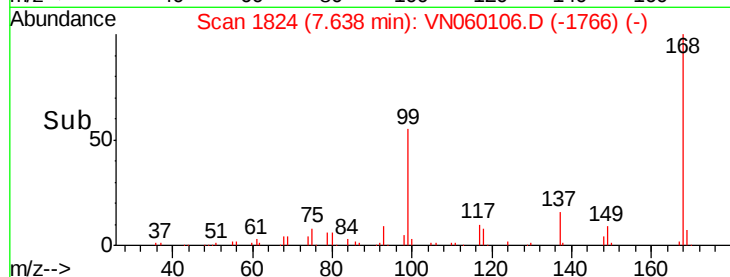
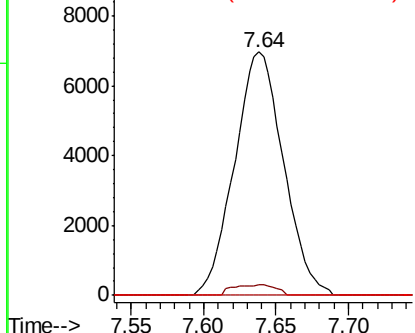
#38
Carbon Tetrachloride
Concen: 5.845 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN060106.D
Acq: 14 Feb 2020 13:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 16394
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.4#
121 0.0 24.2 36.2#

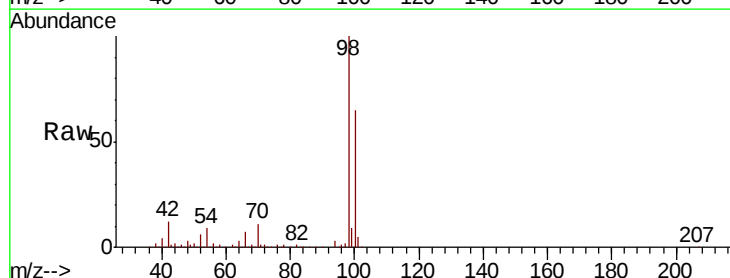


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

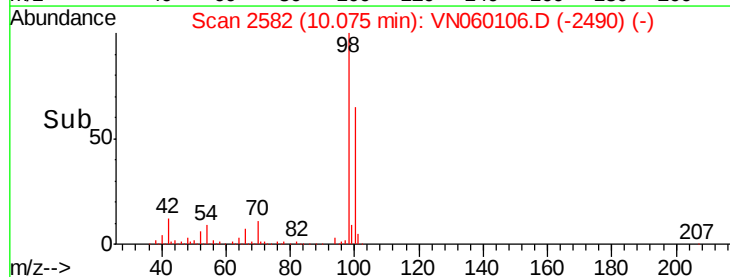
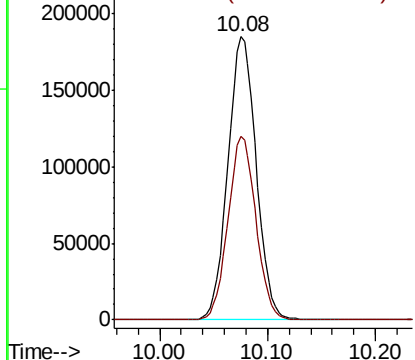


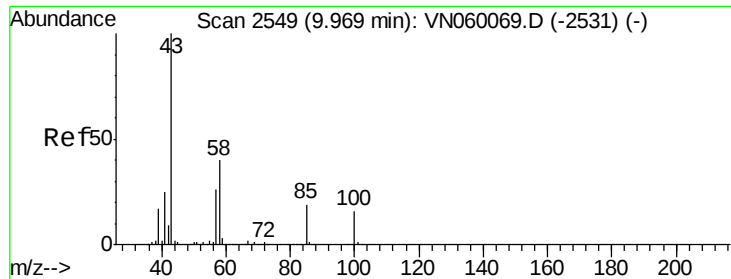
#50
Toluene-d8
Concen: 50.215 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060106.D
Acq: 14 Feb 2020 13:25

Tgt Ion: 98 Resp: 338941
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.720 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060106.D

Acq: 14 Feb 2020 13:25

Instrument :

MSVOA_N

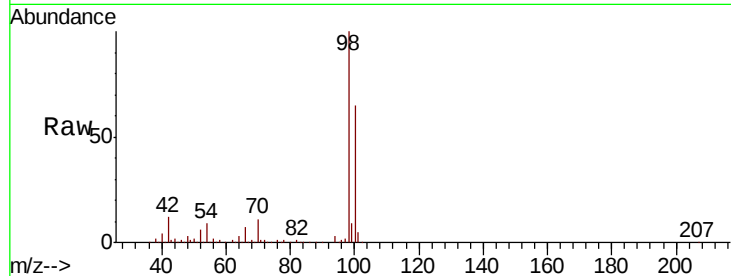
ClientSampleId :

Tot Ion: 43 Resp: 1664

Ion Ratio Lower Upper

43 100

58 168.6 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN060106.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060106.D (-2531) (-)

2000

1500

1000

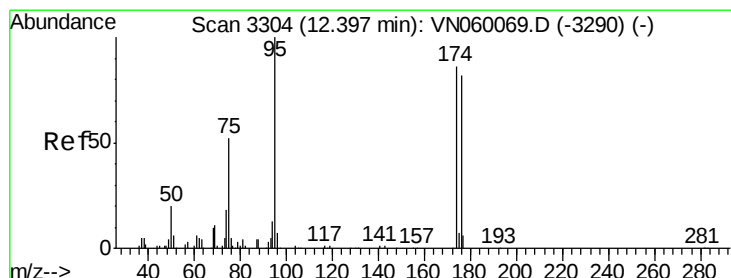
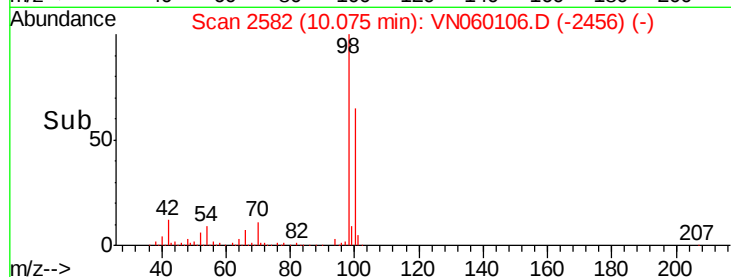
500

0

10.05

10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 48.193 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060106.D

Acq: 14 Feb 2020 13:25

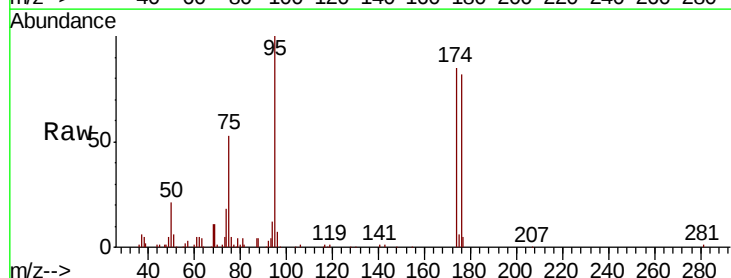
Tgt Ion: 95 Resp: 119530

Ion Ratio Lower Upper

95 100

174 84.3 0.0 169.8

176 80.8 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060106.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060106.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060106.D (-3290) (-)

80000

60000

40000

20000

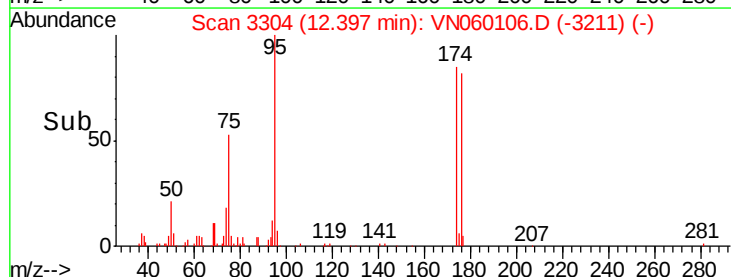
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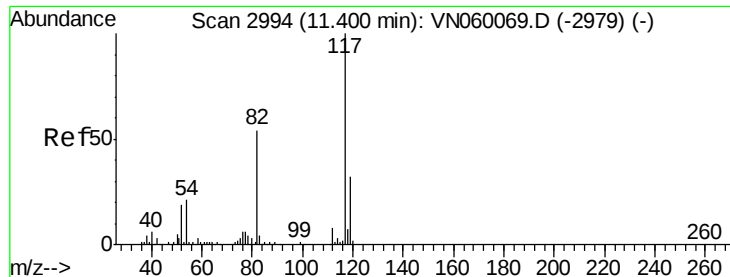
12.30

12.40

12.50

Time-->

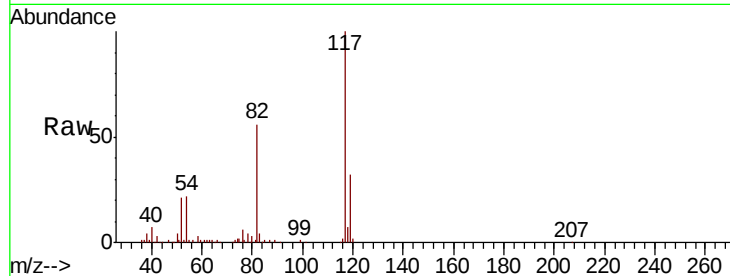




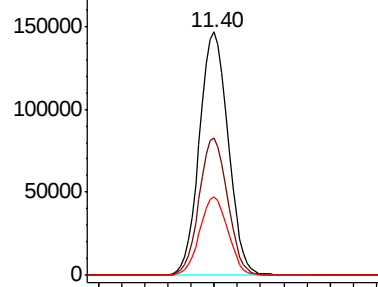
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060106.D
Acq: 14 Feb 2020 13:25

Instrument :
MSVOA_N
ClientSampleId :

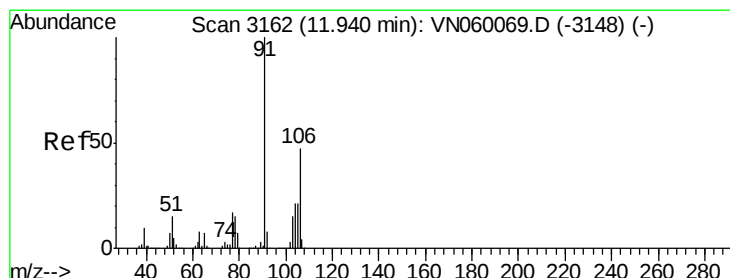
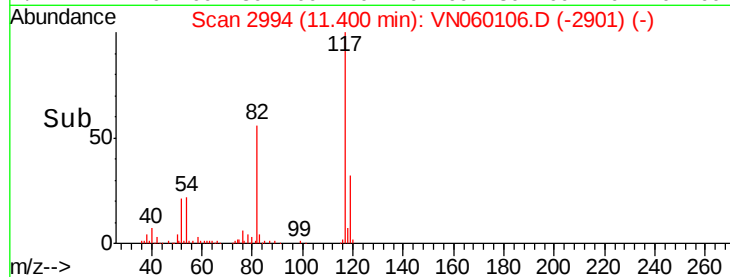
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	43.4	65.0
119	32.3	25.8	38.6



Abundance Ion 116.90 (116.60 to 117.60): V
200000 Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

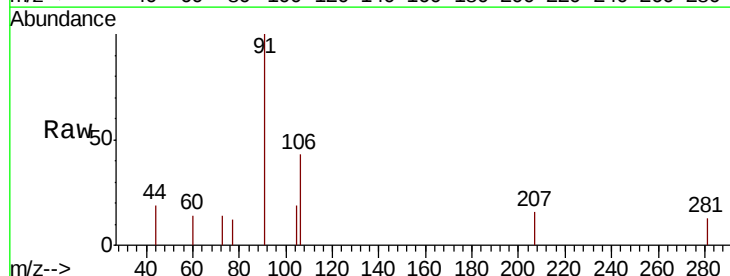


Time--> 11.30 11.40 11.50

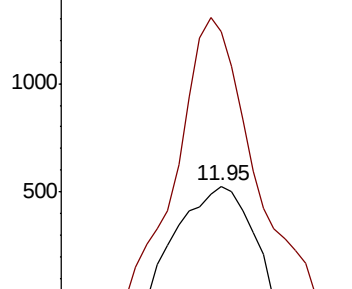


#69
o-Xylene
Concen: 0.235 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.01 min
Lab File: VN060106.D
Acq: 14 Feb 2020 13:25

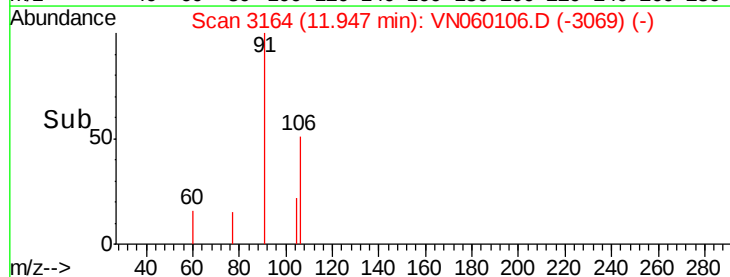
Tgt Ion	Ratio	Lower	Upper
106	100		
91	254.4	107.2	321.6

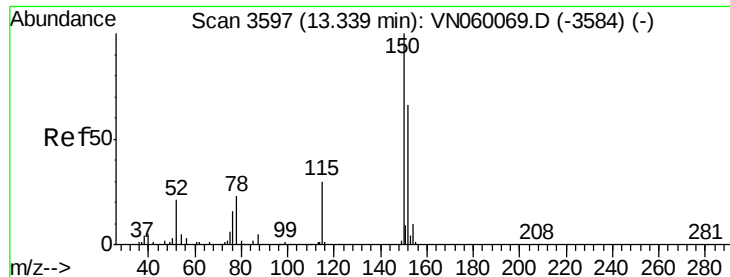


Abundance Ion 106.00 (105.70 to 106.70): V
1500 Ion 91.00 (90.70 to 91.70): VN



Time--> 11.90 11.95



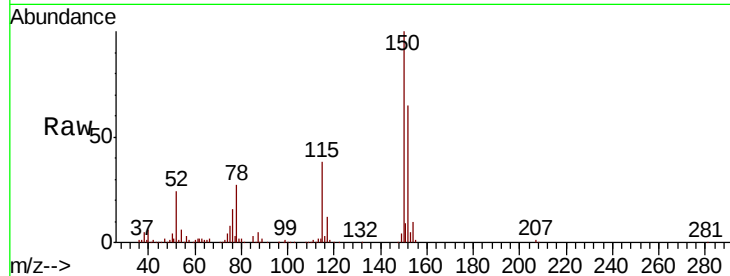


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060106.D
Acq: 14 Feb 2020 13:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.9	86.8
150	155.4	0.0	342.4

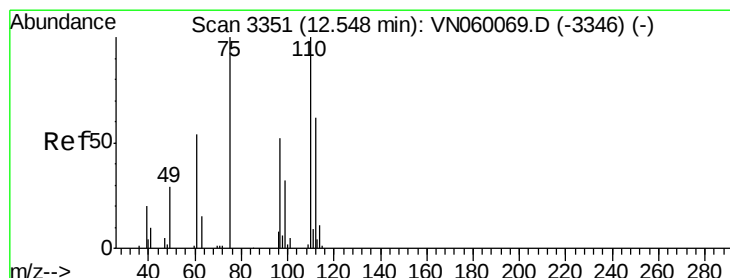
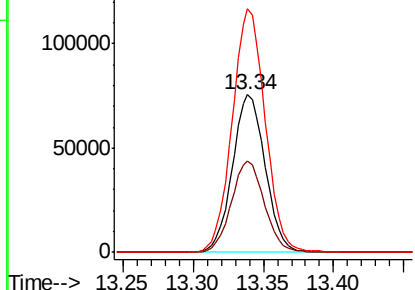
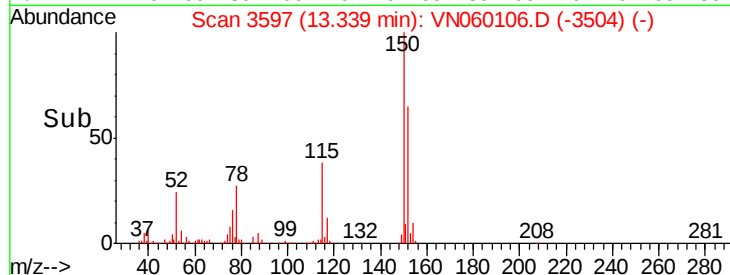


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

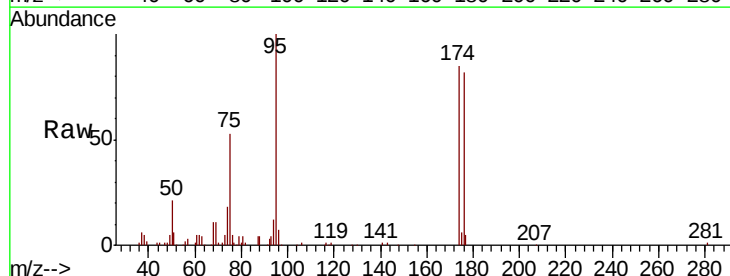
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 26.901 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060106.D
Acq: 14 Feb 2020 13:25

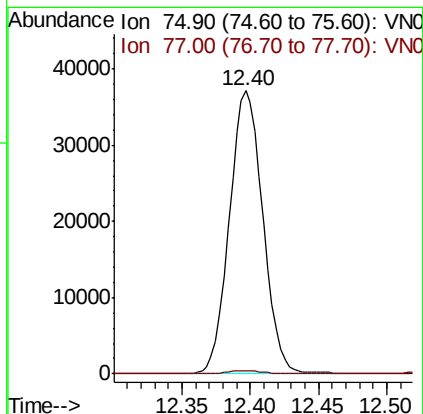
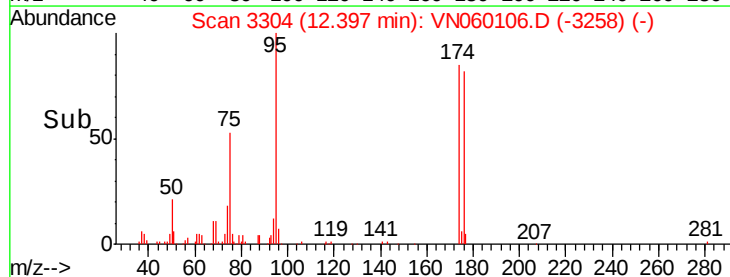
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

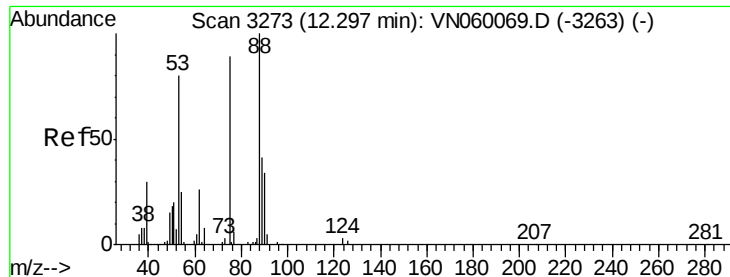


Abundance

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: 65.866 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060106.D

Acq: 14 Feb 2020 13:25

Instrument :

MSVOA_N

ClientSampled :

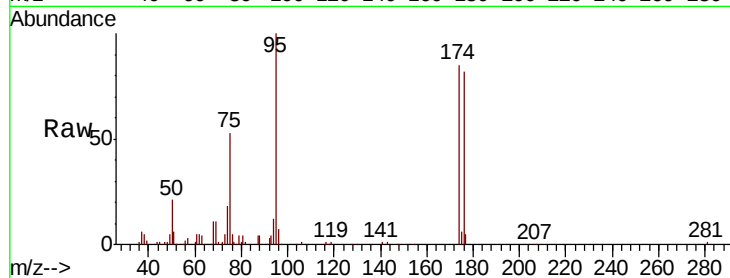
Tot Ion: 75 Resp: 63335

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

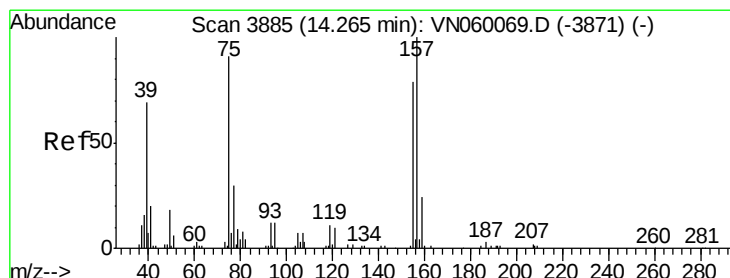
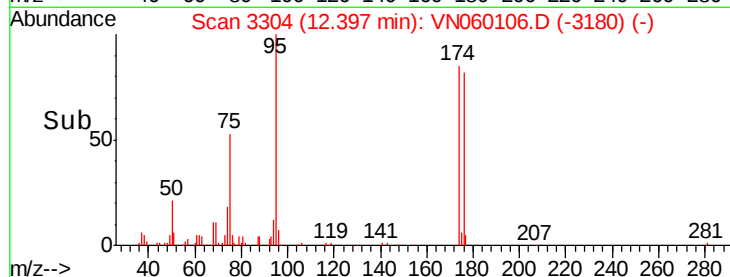
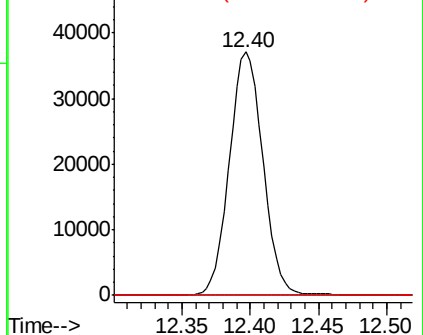
89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN060106.D

Acq: 14 Feb 2020 13:25

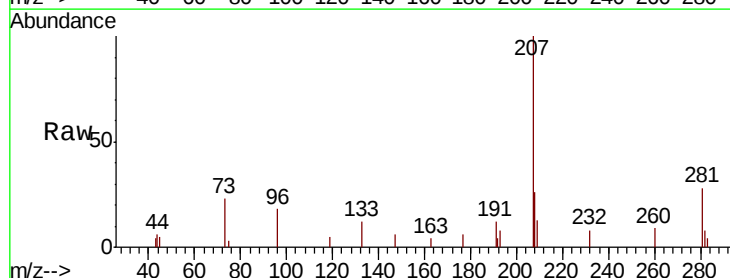
Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

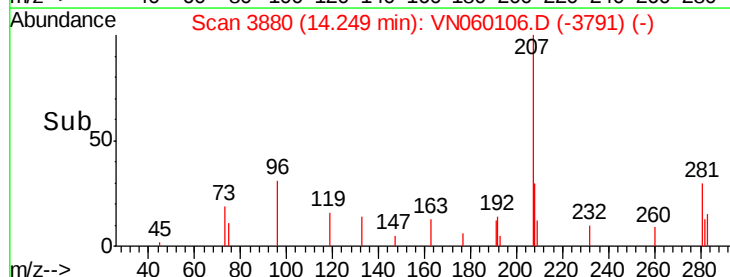
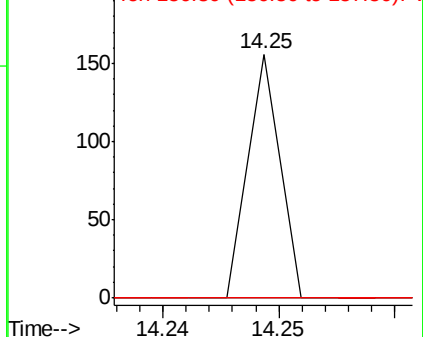
157 0.0 54.9 164.5#

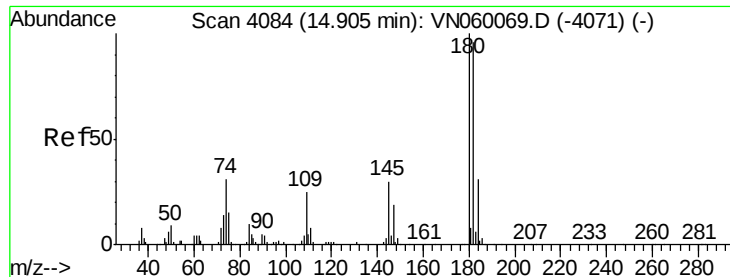


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

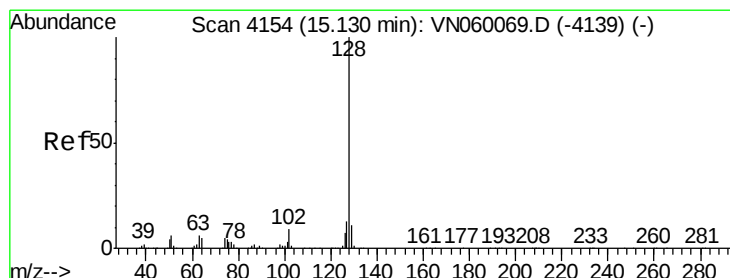
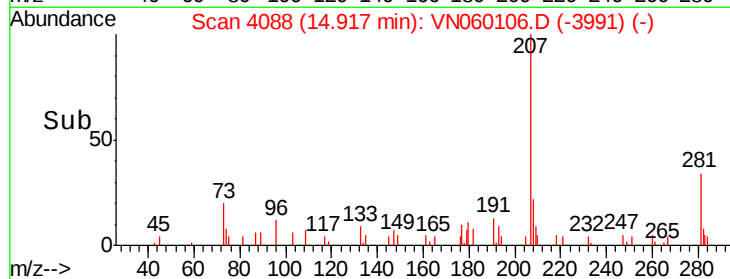
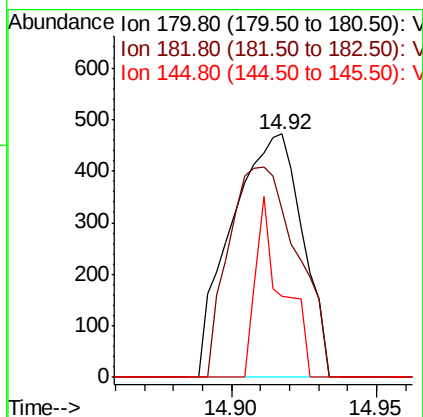
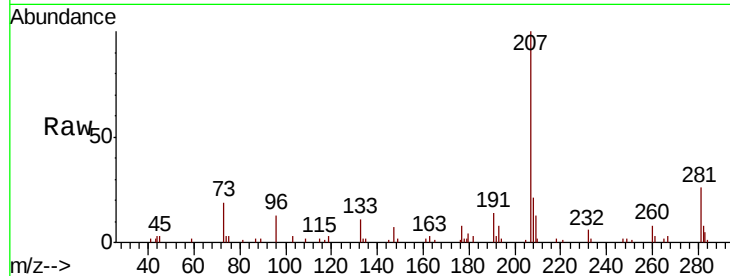




#93
 1,2,4-Trichlorobenzene
 Concen: 0.346 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN060106.D
 Acq: 14 Feb 2020 13:25

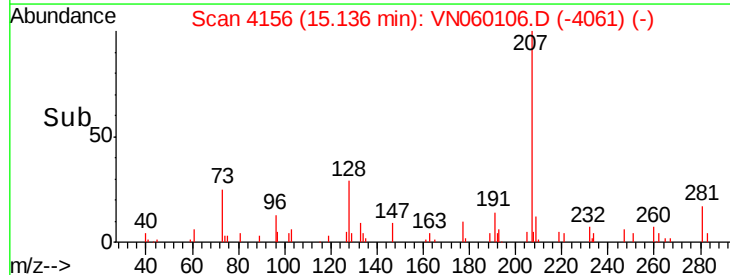
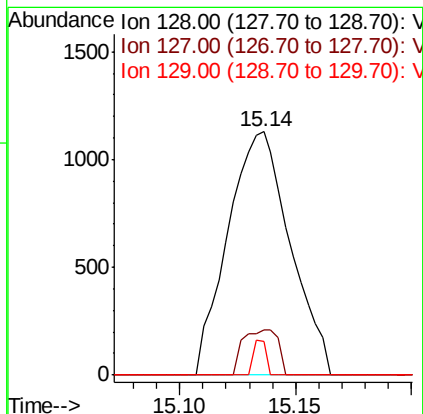
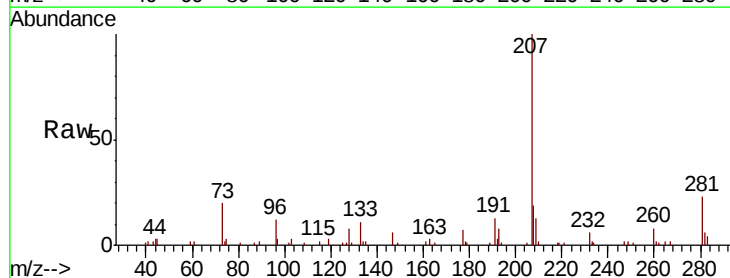
Instrument :
 MSVOA_N
 ClientSampleId :

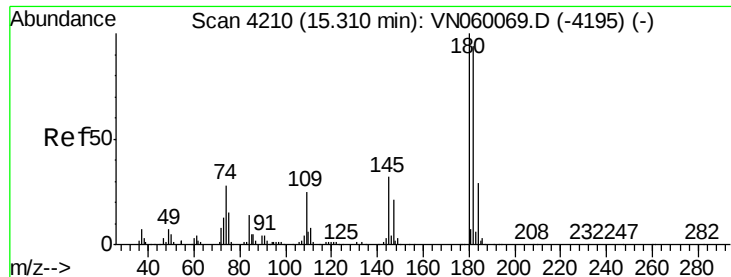
Tot Ion	Ratio	Lower	Upper
180	100		
182	83.0	47.9	143.8
145	27.9	15.2	45.5



#95
 Naphthalene
 Concen: 0.336 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN060106.D
 Acq: 14 Feb 2020 13:25

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.3	15.5
129	2.9	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.398 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060106.D
 Acq: 14 Feb 2020 13:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	68.5	47.5	142.5
145	35.8	16.1	48.3

