

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058917.D
 Acq On : 23 Oct 2019 10:34
 Operator : JC/SP
 Sample : VN1024WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 01:09:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	345776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	550864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	494224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	178676	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	270238	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
35) Dibromofluoromethane	7.57	113	192336	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
50) Toluene-d8	10.08	98	710293	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	221990	43.00	ug/l	0.00
Spiked Amount			Recovery	=	86.00%	

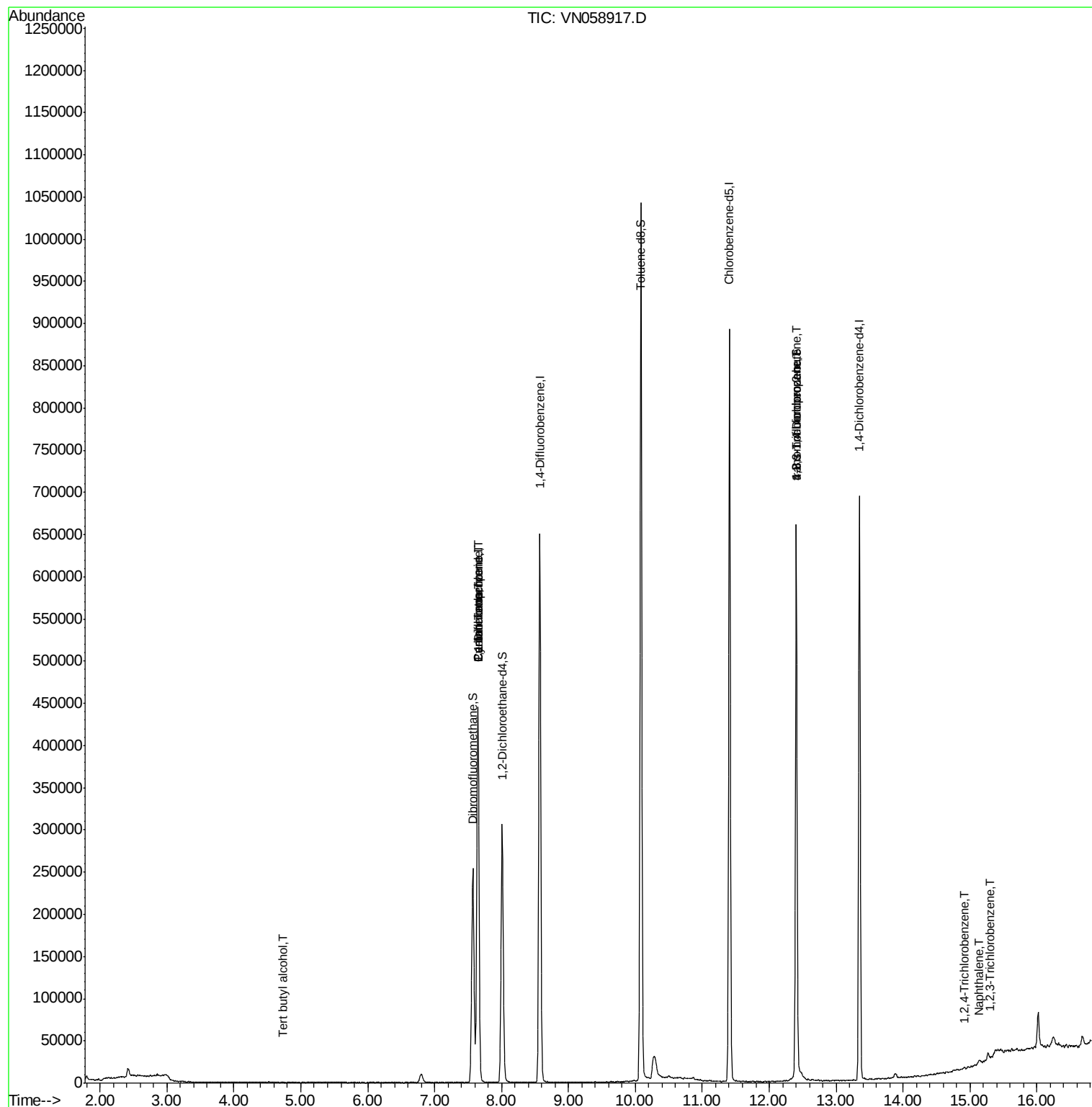
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	260	0.309	ug/l #	72
31) Cyclohexane	7.65	56	8573	1.176	ug/l #	7
36) 1,1-Dichloropropene	7.64	75	28906	5.125	ug/l #	51
38) Carbon Tetrachloride	7.64	117	34765	5.984	ug/l #	17
76) 1,2,3-Trichloropropane	12.40	75	119931	28.962	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	119931	75.448	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.92	180	316	2.605	ug/l #	56
95) Naphthalene	15.14	128	1589	2.374	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.30	180	404	2.505	ug/l #	80

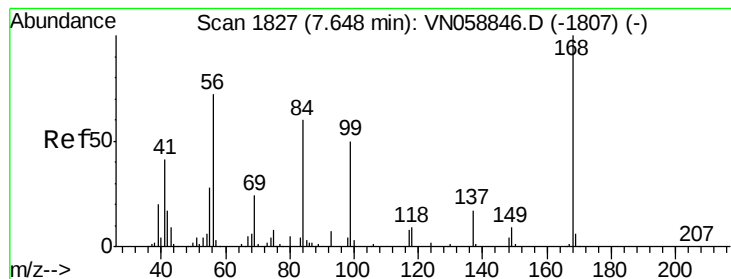
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 23 Oct 2019 10:34
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Sample : VN1024WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 24 01:09:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058917.D

Acq: 23 Oct 2019 10:34

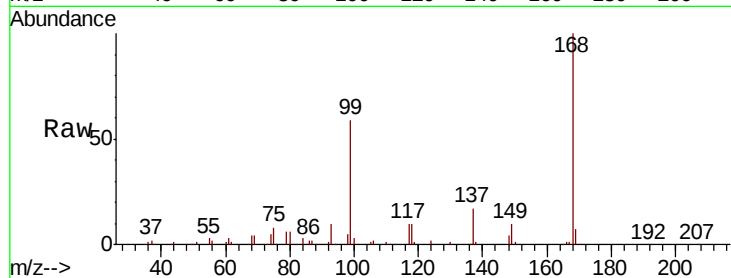
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 345776

Ion Ratio Lower Upper

168 100

99 58.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

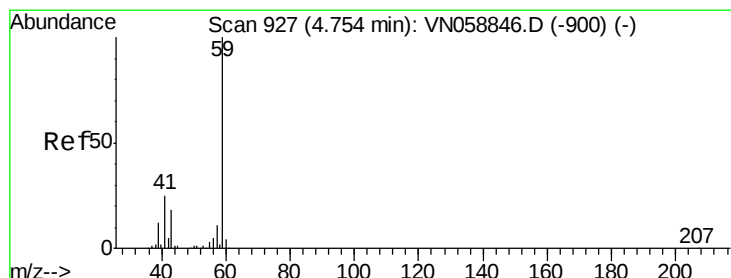
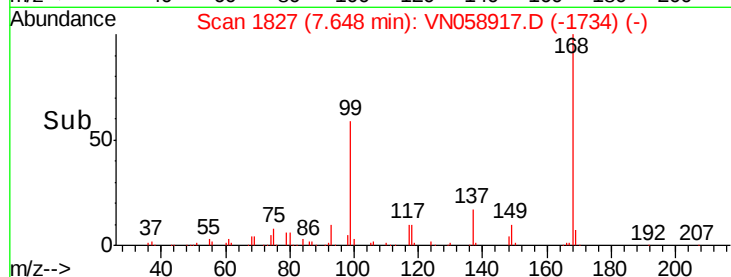
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.309 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.02 min

Lab File: VN058917.D

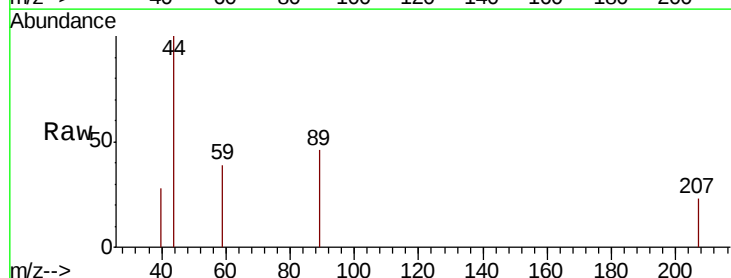
Acq: 23 Oct 2019 10:34

Tgt Ion: 59 Resp: 260

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

300

250

200

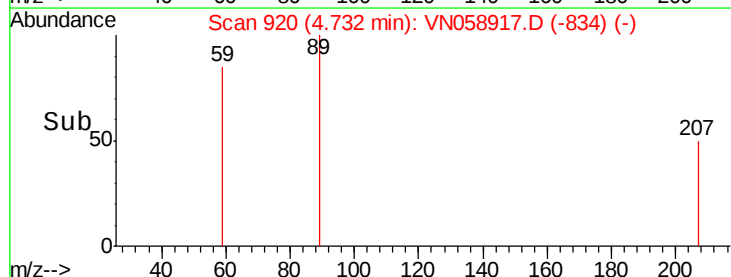
150

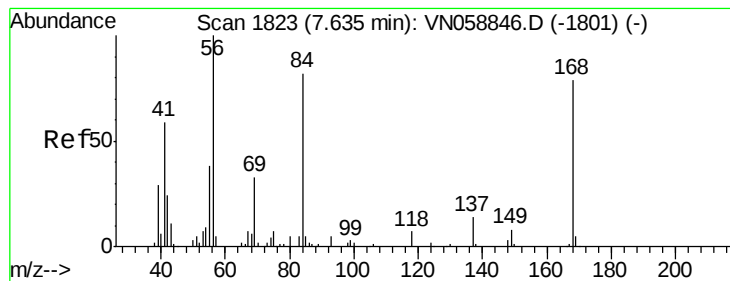
100

50

0

Time--> 4.72 4.73 4.74





#31

Cyclohexane

Concen: 1.176 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.02 min

Lab File: VN058917.D

Acq: 23 Oct 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

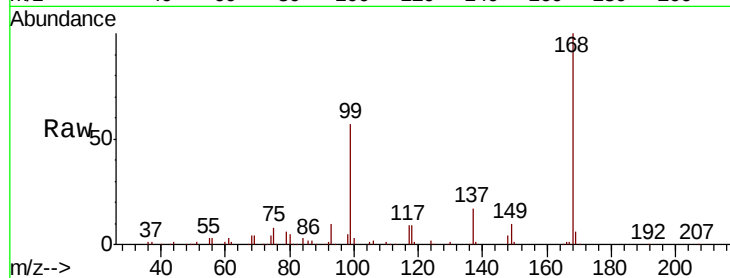
Tot Ion: 56 Resp: 8573

Ion Ratio Lower Upper

56 100

69 167.0 26.2 39.4#

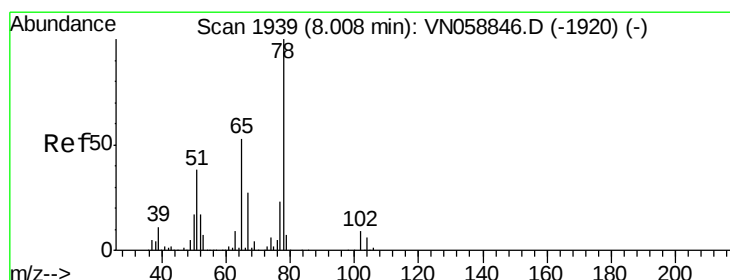
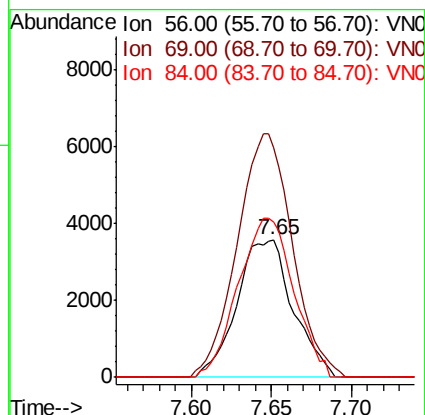
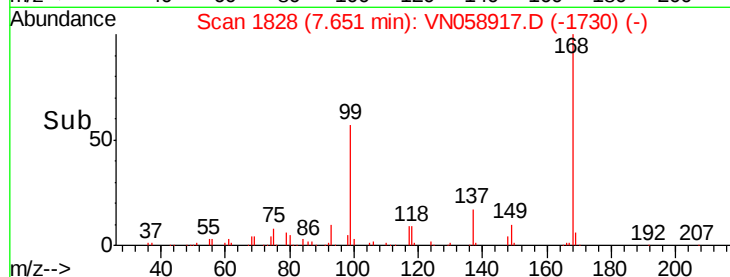
84 113.0 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 53.287 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN058917.D

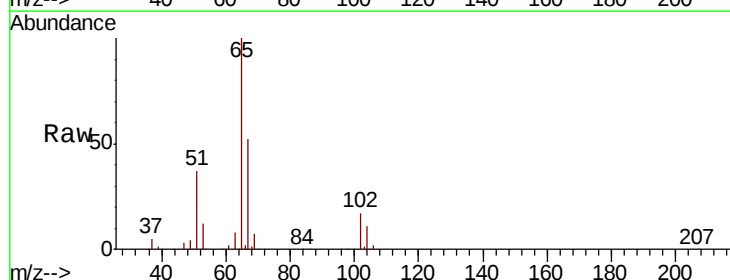
Acq: 23 Oct 2019 10:34

Tgt Ion: 65 Resp: 270238

Ion Ratio Lower Upper

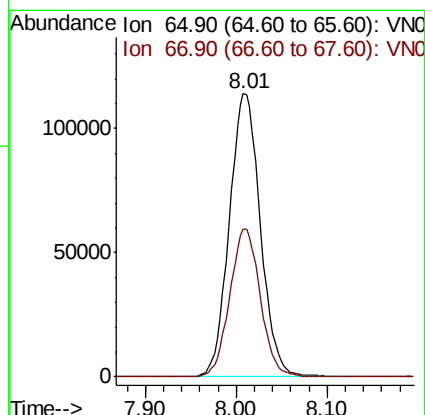
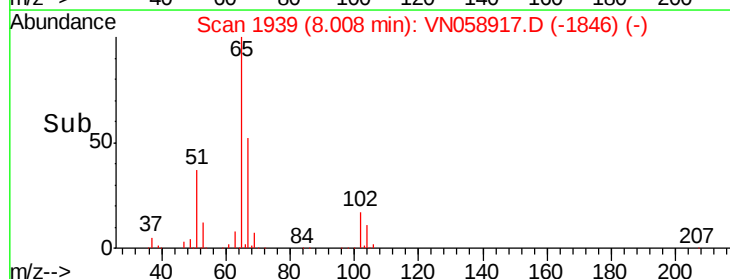
65 100

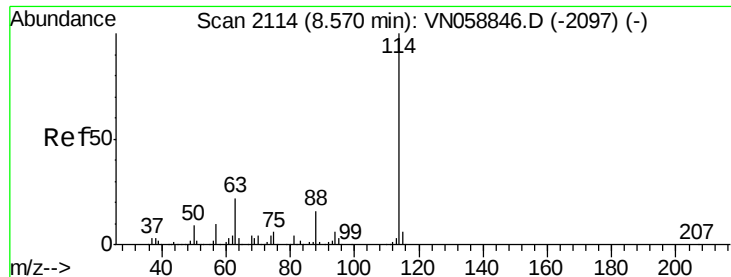
67 51.4 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC

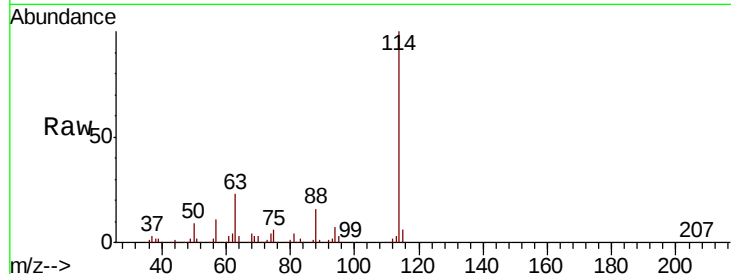




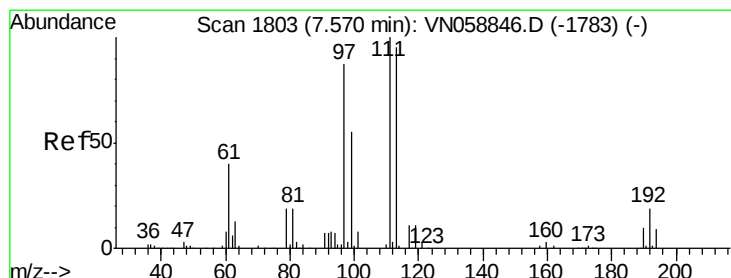
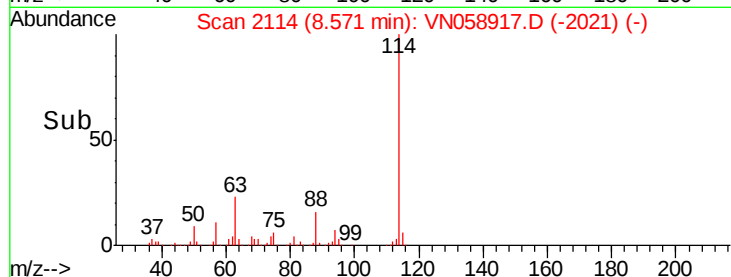
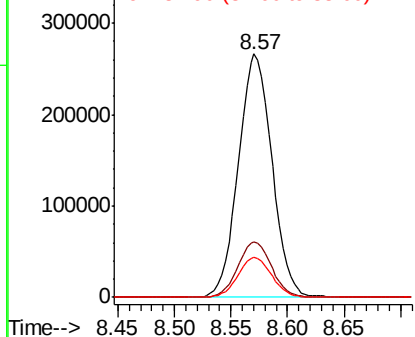
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058917.D
 Acq: 23 Oct 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	44.4
88	16.5	0.0	31.4

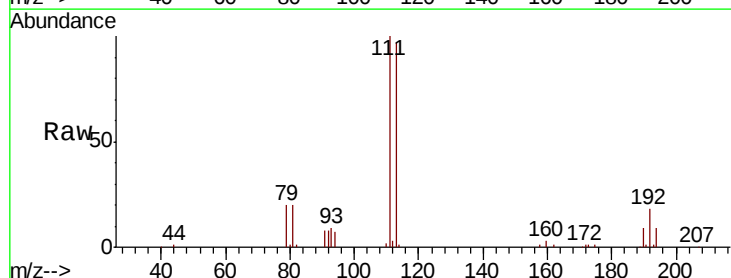


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

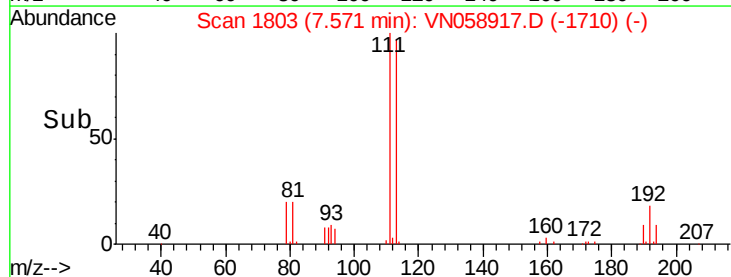
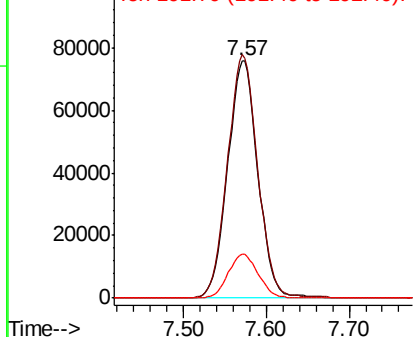


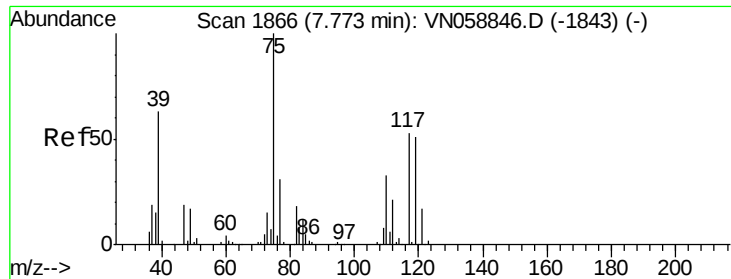
#35
 Dibromofluoromethane
 Concen: 53.105 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058917.D
 Acq: 23 Oct 2019 10:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	18.3	15.0	22.6



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

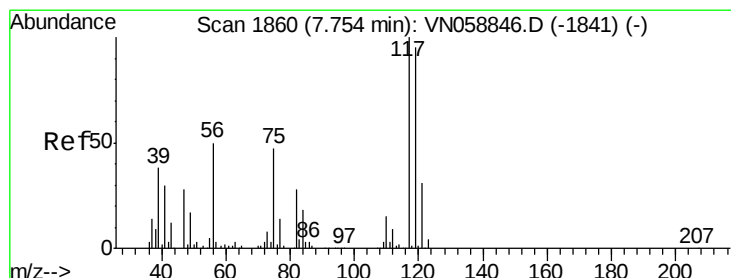
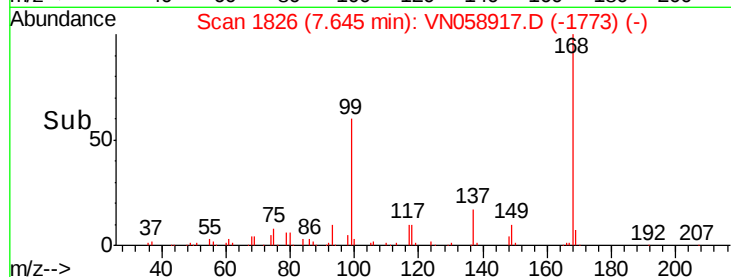
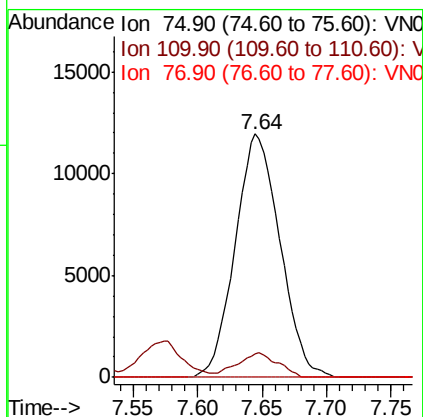
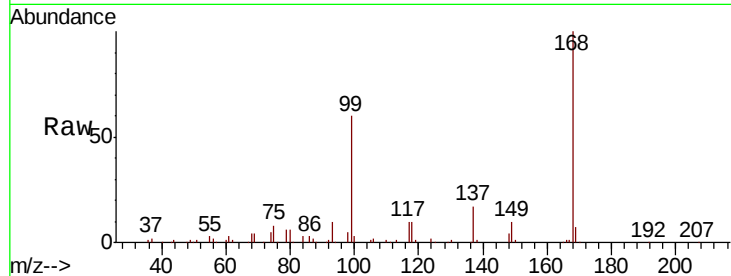




#36
 1,1-Dichloropropene
 Concen: 5.125 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058917.D
 Acq: 23 Oct 2019 10:34

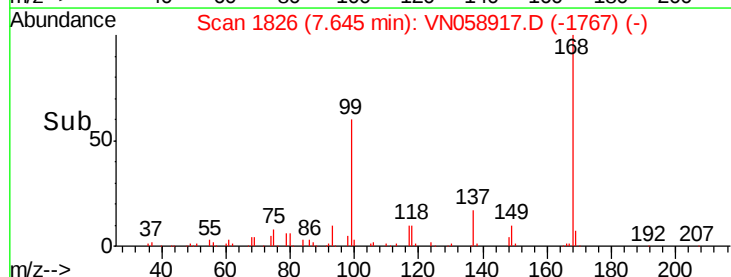
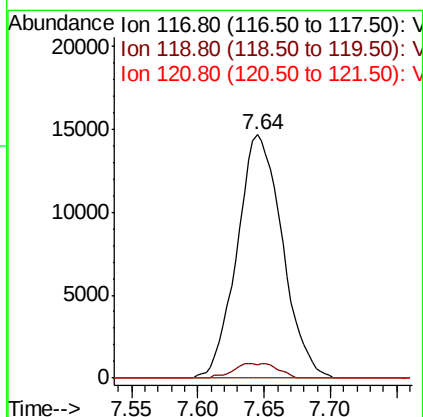
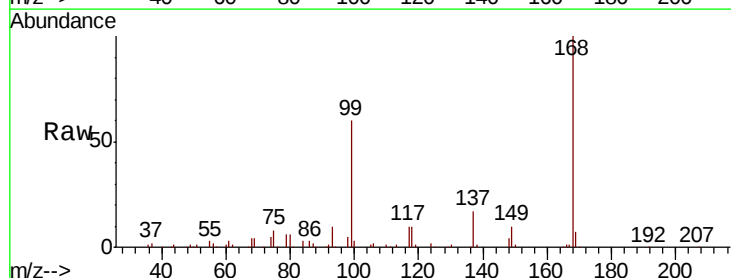
Instrument :
 MSVOA_N
 ClientSampled :

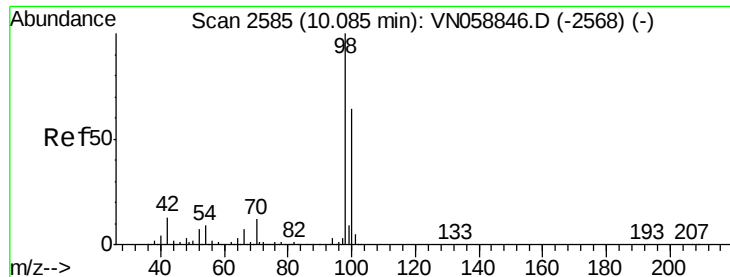
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.3	48.9#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.984 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN058917.D
 Acq: 23 Oct 2019 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.7	113.5#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 50.521 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058917.D

Acq: 23 Oct 2019 10:34

Instrument :

MSVOA_N

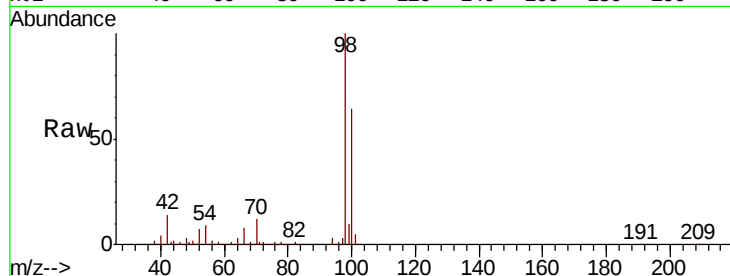
ClientSampleId :

Tot Ion: 98 Resp: 710293

Ion Ratio Lower Upper

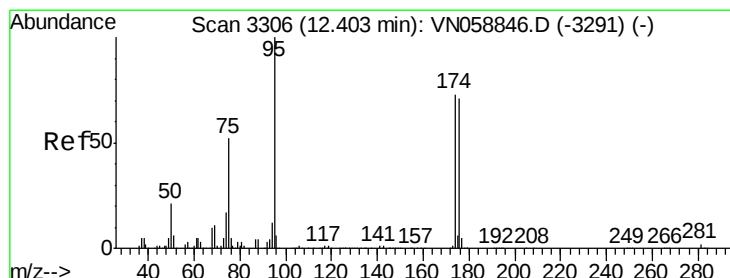
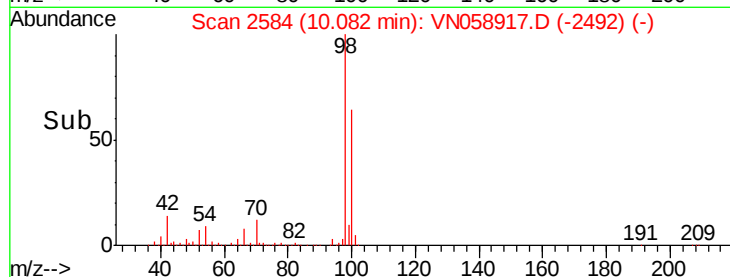
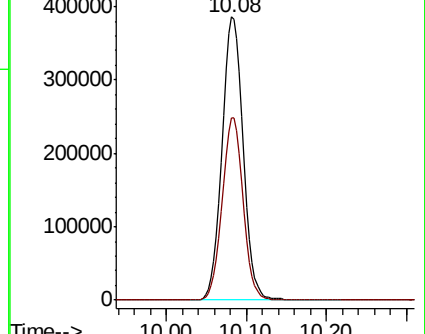
98 100

100 63.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 42.997 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058917.D

Acq: 23 Oct 2019 10:34

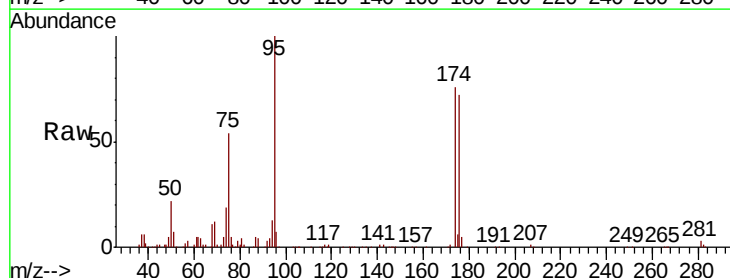
Tgt Ion: 95 Resp: 221990

Ion Ratio Lower Upper

95 100

174 76.9 0.0 147.6

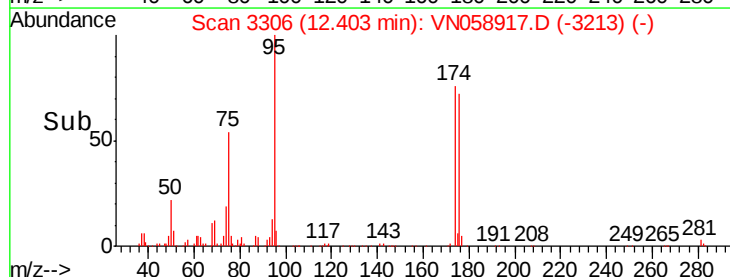
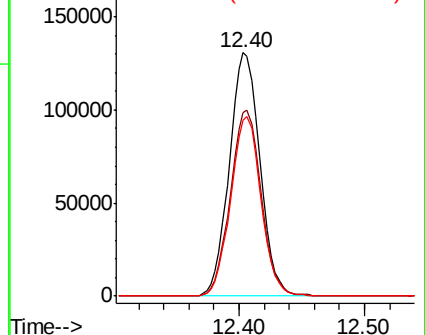
176 73.1 0.0 143.2

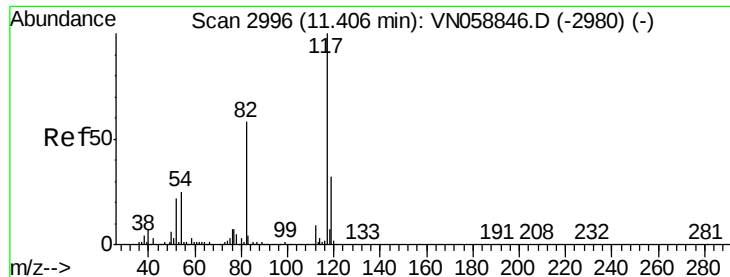


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

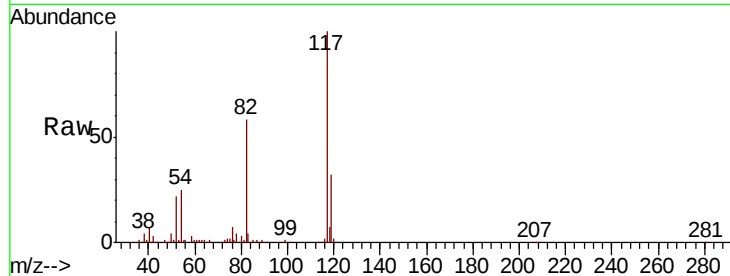




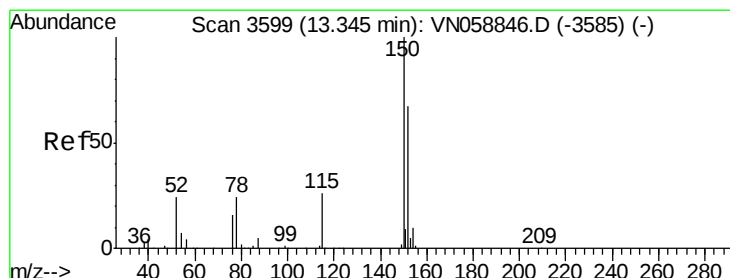
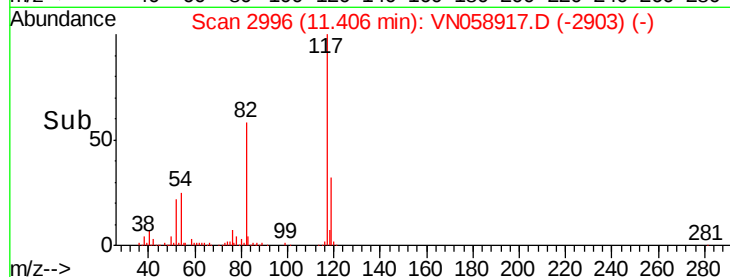
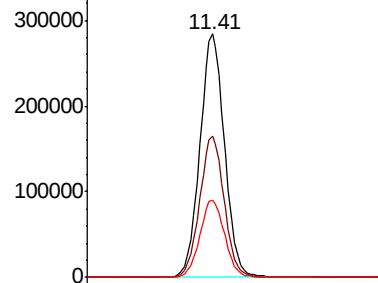
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058917.D
Acq: 23 Oct 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 494224
Ion Ratio Lower Upper
117 100
82 58.1 46.6 69.8
119 31.8 25.6 38.4

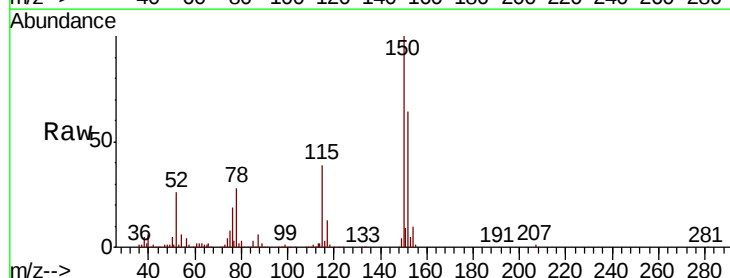


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

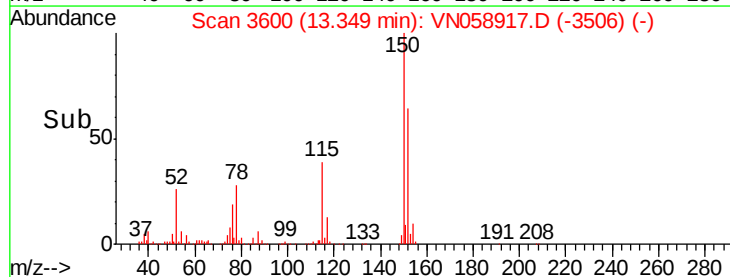
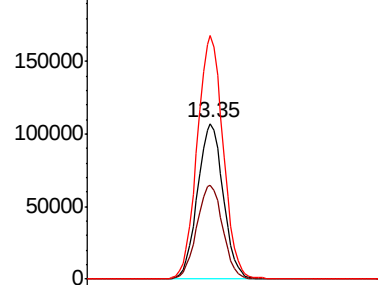


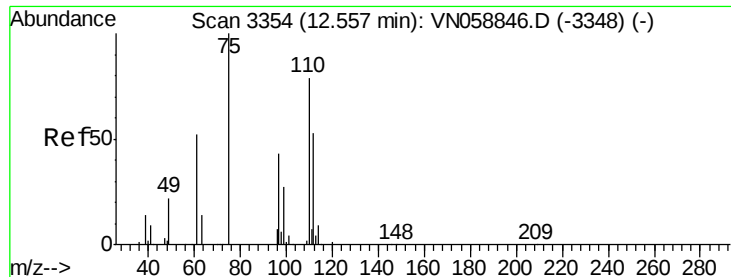
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058917.D
Acq: 23 Oct 2019 10:34

Tgt Ion:152 Resp: 178676
Ion Ratio Lower Upper
152 100
115 61.0 30.5 91.5
150 158.1 0.0 344.4



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: 28.962 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058917.D

Acq: 23 Oct 2019 10:34

Instrument :

MSVOA_N

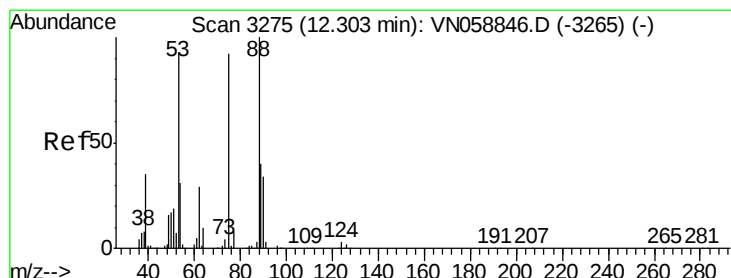
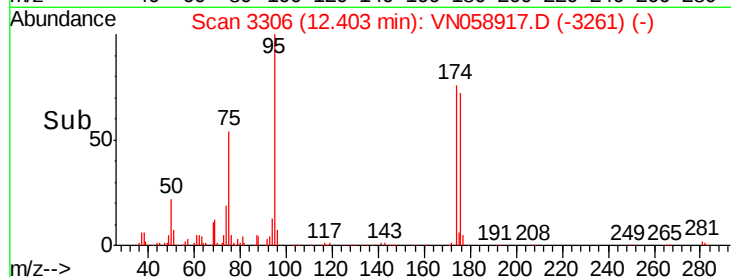
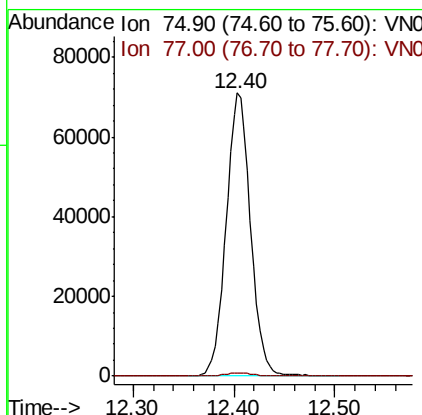
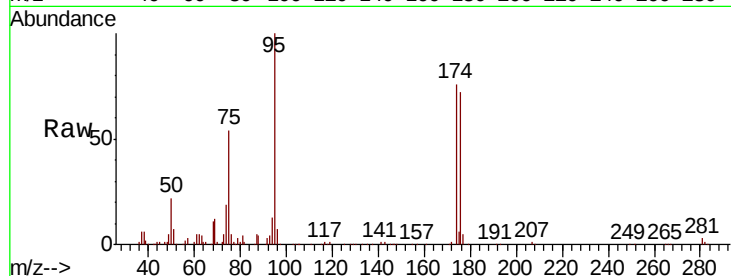
ClientSampleId :

Tot Ion: 75 Resp: 119931

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.448 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058917.D

Acq: 23 Oct 2019 10:34

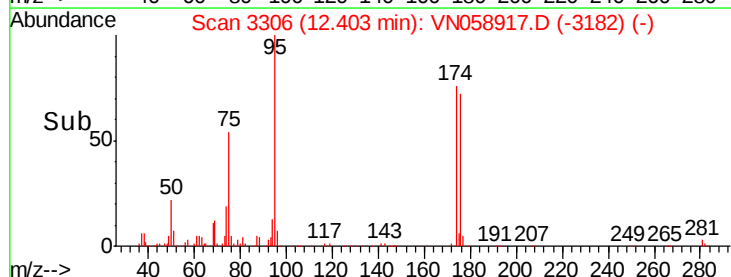
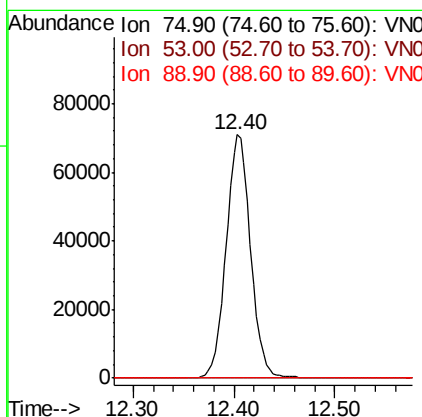
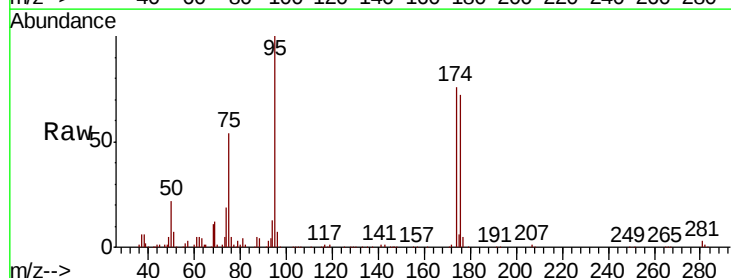
Tgt Ion: 75 Resp: 119931

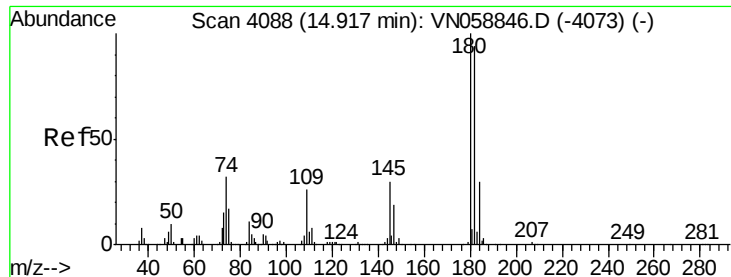
Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.0 35.4 53.0#

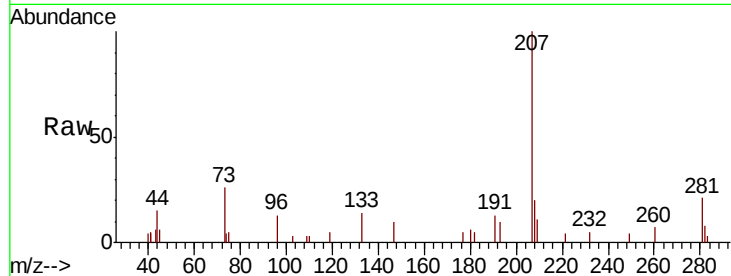




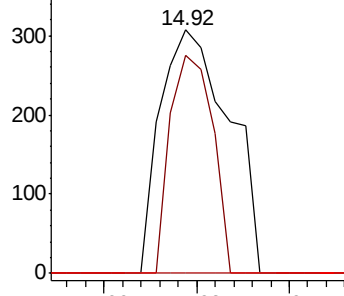
#93
 1,2,4-Trichlorobenzene
 Concen: 2.605 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058917.D
 Acq: 23 Oct 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :

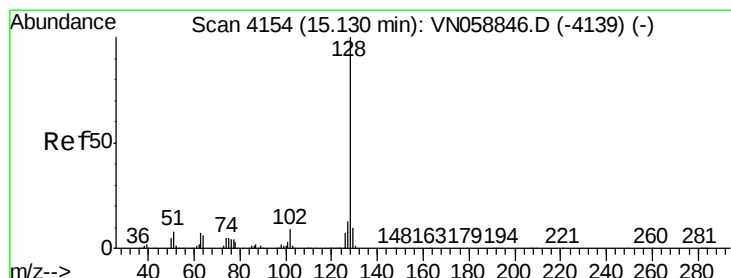
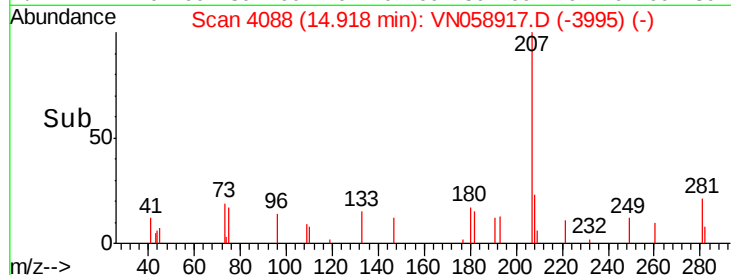
Tot Ion	Ratio	Lower	Upper
180	100		
182	55.7	47.3	142.0
145	0.0	15.3	45.8#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

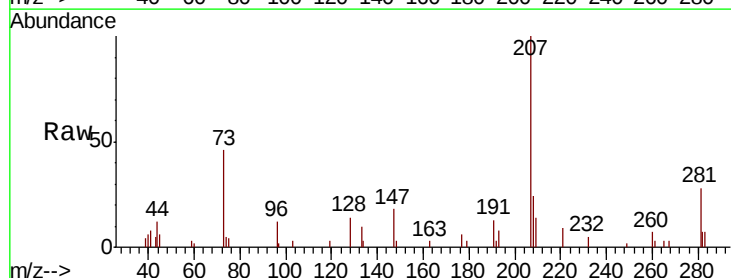


Time-->

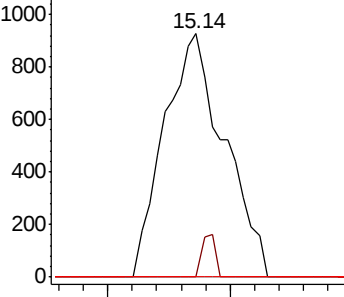


#95
 Naphthalene
 Concen: 2.374 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN058917.D
 Acq: 23 Oct 2019 10:34

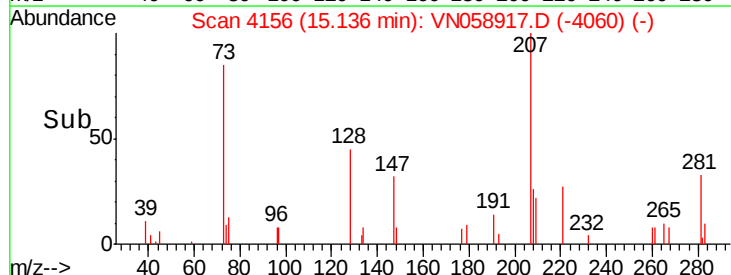
Tgt Ion	Ratio	Lower	Upper
128	100		
127	3.8	10.2	15.2#
129	0.0	8.4	12.6#

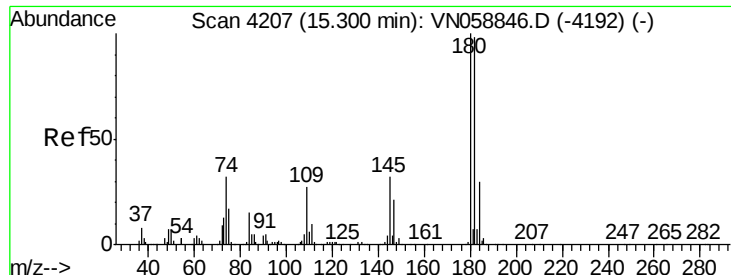


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->

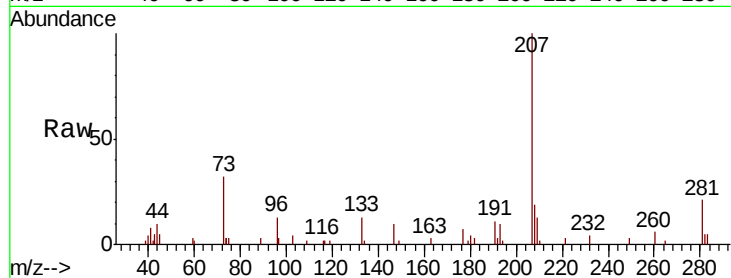




#96
 1,2,3-Trichlorobenzene
 Concen: 2.505 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058917.D
 Acq: 23 Oct 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.0	47.9	143.7
145	15.1	15.9	47.7#



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

