

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058918.D
 Acq On : 23 Oct 2019 11:00
 Operator : JC/SP
 Sample : K5494-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-102119

Quant Time: Oct 24 01:09:51 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	313392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	499020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	428025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	140589	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	233191	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.57	113	164556	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.08	98	616848	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.40	95	180829	38.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.32%	

Target Compounds

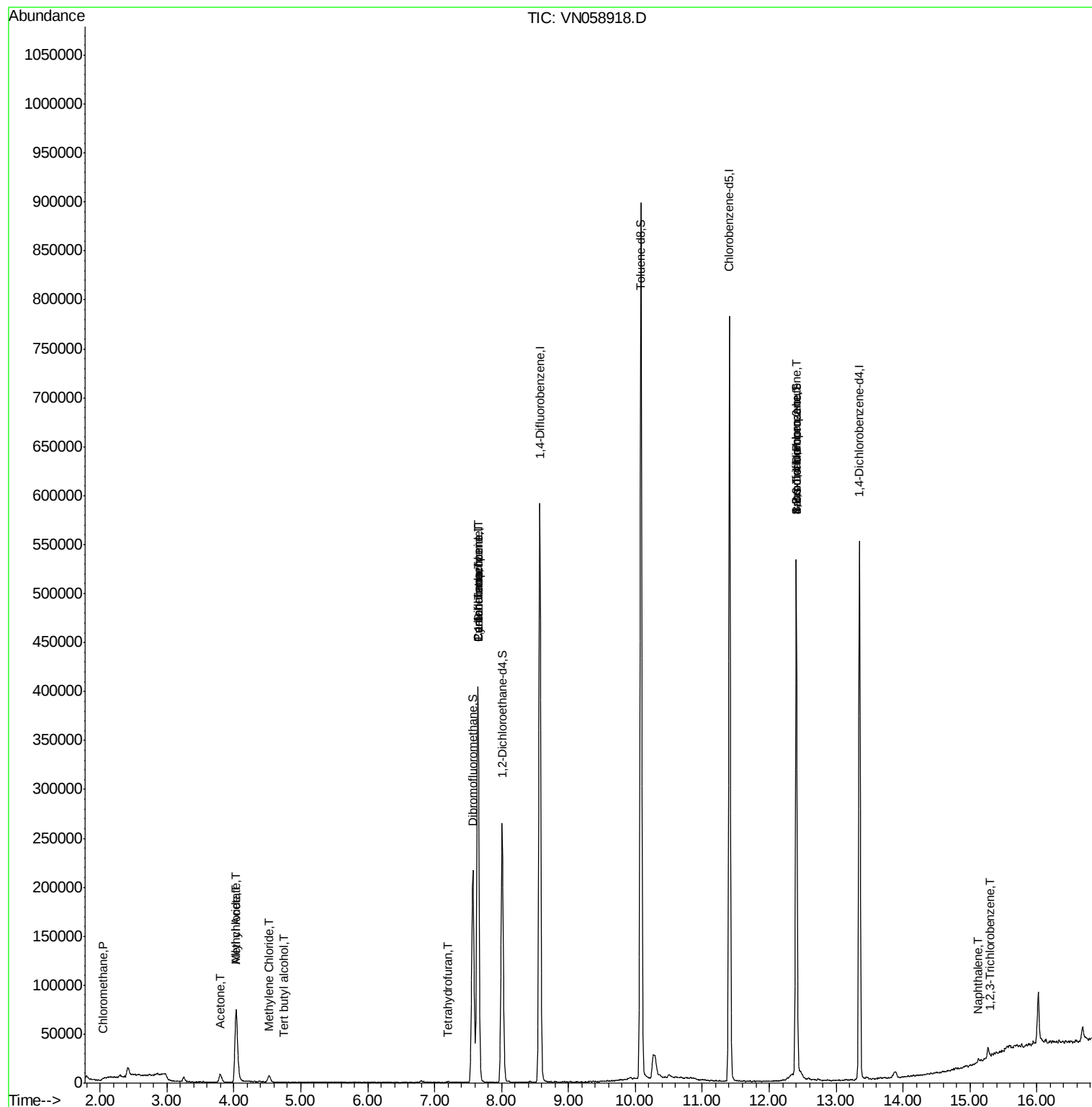
						Qvalue
3) Chloromethane	2.04	50	1005	0.208	ug/l #	80
11) Tert butyl alcohol	4.74	59	381	0.500	ug/l #	72
14) Allyl chloride	4.03	41	10644	1.703	ug/l #	67
16) Acetone	3.80	43	15122	6.658	ug/l	94
18) Methyl Acetate	4.03	43	29455	5.704	ug/l #	55
20) Methylene Chloride	4.53	84	5105	1.316	ug/l	94
29) Tetrahydrofuran	7.20	42	413	0.229	ug/l #	36
31) Cyclohexane	7.64	56	7653	1.159	ug/l #	18
36) 1,1-Dichloropropene	7.64	75	27273	5.338	ug/l #	51
38) Carbon Tetrachloride	7.65	117	32329	6.142	ug/l #	17
71) Bromoform	12.41	173	1114	0.437	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	97549	29.939	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	97549	77.992	ug/l #	10
95) Naphthalene	15.13	128	996	2.344	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.31	180	59	2.415	ug/l #	17

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

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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: VN058918.D

Acq: 23 Oct 2019 11:00

Instrument :

MSVOA_N

ClientSampled :

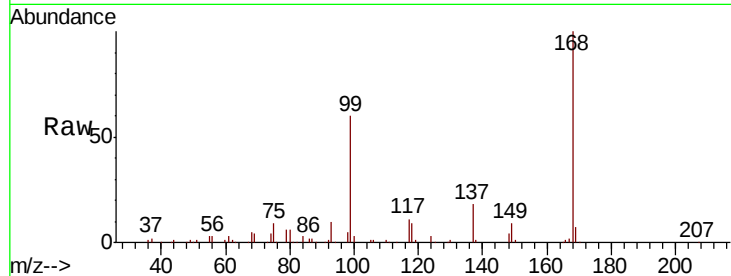
FB-102119

Tot Ion:168 Resp: 313392

Ion Ratio Lower Upper

168 100

99 60.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VN058846.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN058846.D (-1807) (-)

7.65

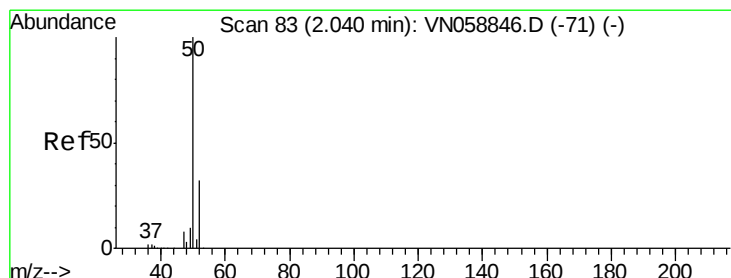
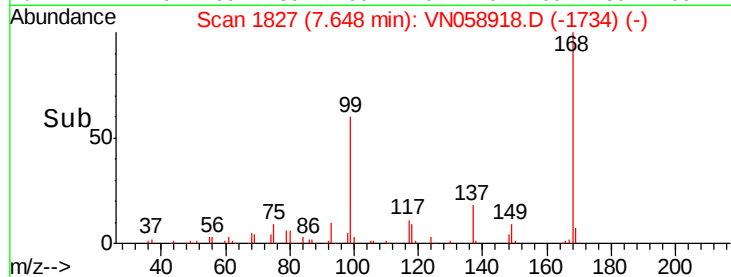
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.208 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058918.D

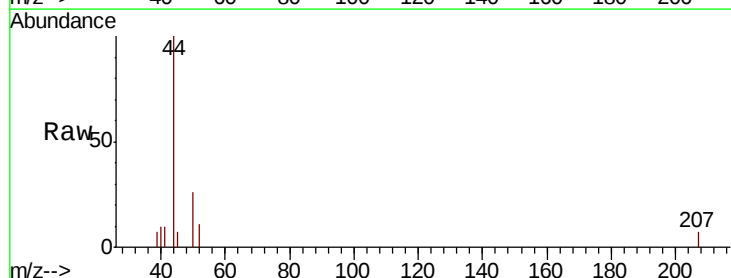
Acq: 23 Oct 2019 11:00

Tgt Ion: 50 Resp: 1005

Ion Ratio Lower Upper

50 100

52 43.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VN058846.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN058846.D (-71) (-)

2.04

800

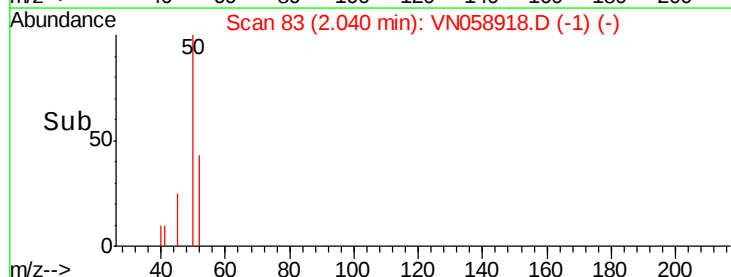
600

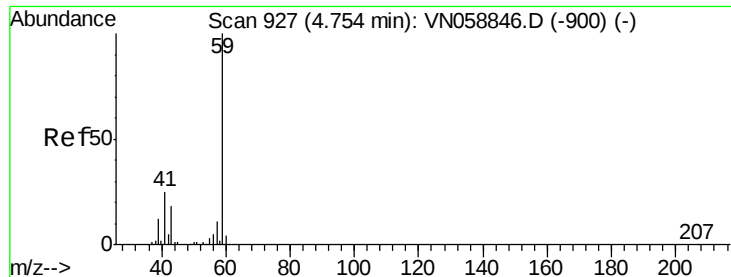
400

200

0

Time-->



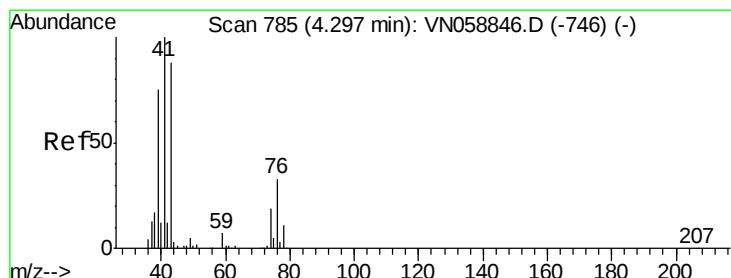
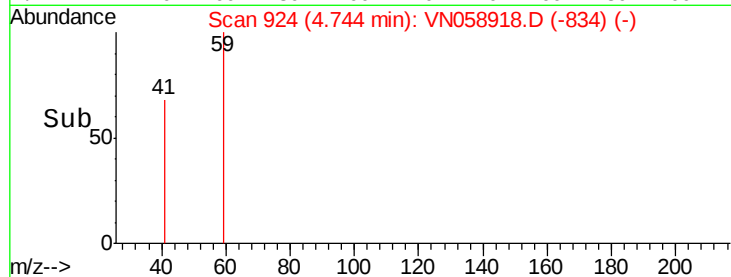
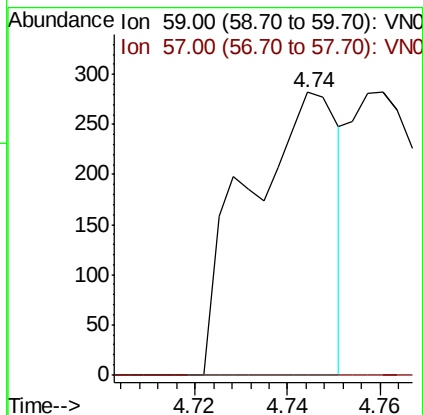
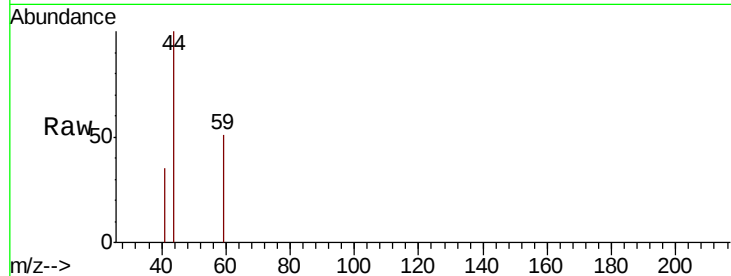


#11

Tert butyl alcohol
Concen: 0.500 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN058918.D
Acq: 23 Oct 2019 11:00

Instrument :
MSVOA_N
ClientSampled :
FB-102119

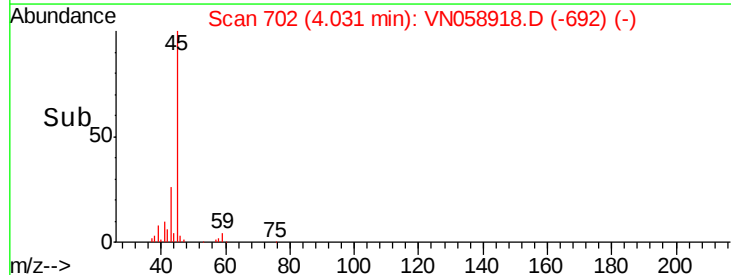
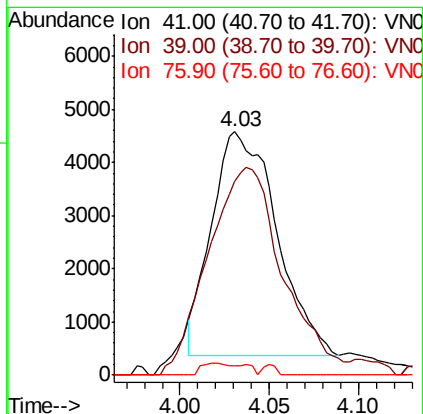
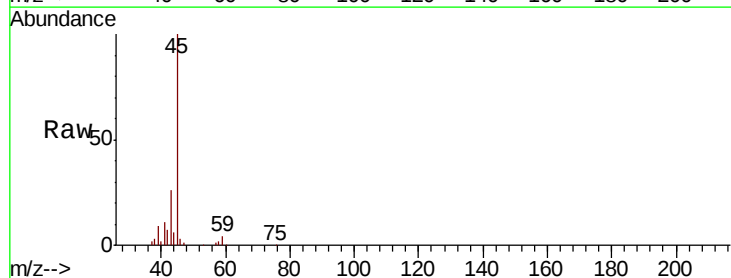
Tot Ion: 59 Resp: 381
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

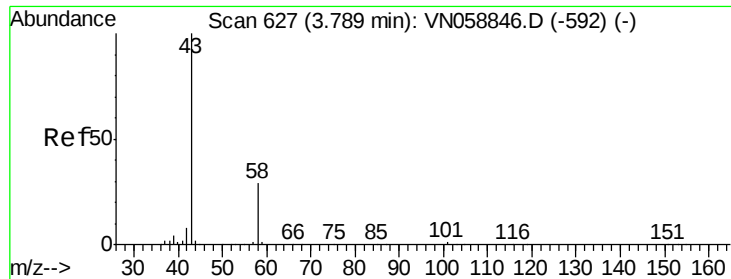


#14

Allyl chloride
Concen: 1.703 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.27 min
Lab File: VN058918.D
Acq: 23 Oct 2019 11:00

Tgt Ion: 41 Resp: 10644
Ion Ratio Lower Upper
41 100
39 90.1 55.9 83.9#
76 2.5 24.1 36.1#





#16

Acetone

Concen: 6.658 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN058918.D

Acq: 23 Oct 2019 11:00

Instrument :

MSVOA_N

ClientSampled :

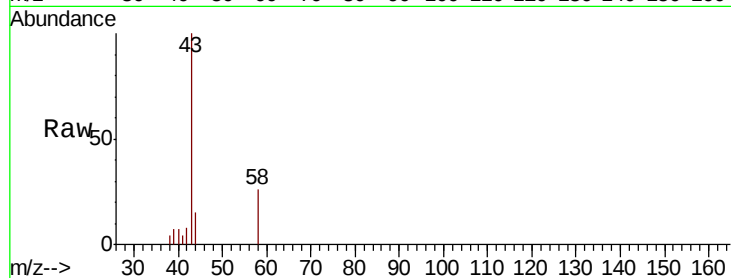
FB-102119

Tot Ion: 43 Resp: 15122

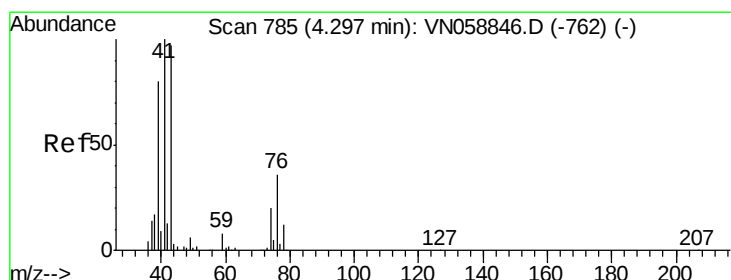
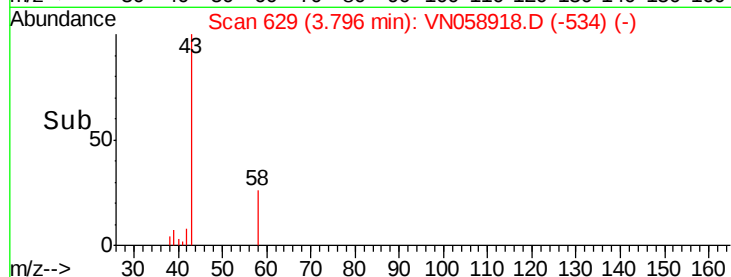
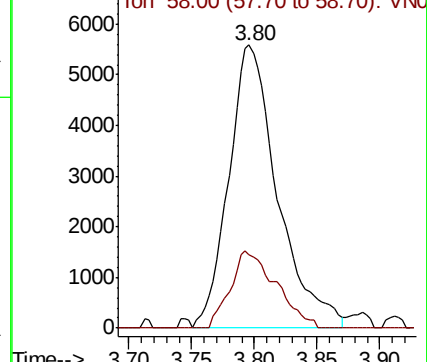
Ion Ratio Lower Upper

43 100

58 25.9 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)



#18

Methyl Acetate

Concen: 5.704 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.26 min

Lab File: VN058918.D

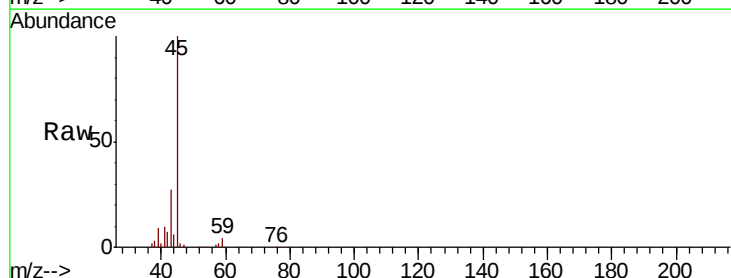
Acq: 23 Oct 2019 11:00

Tgt Ion: 43 Resp: 29455

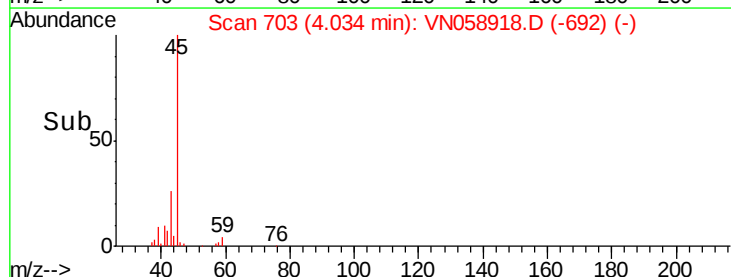
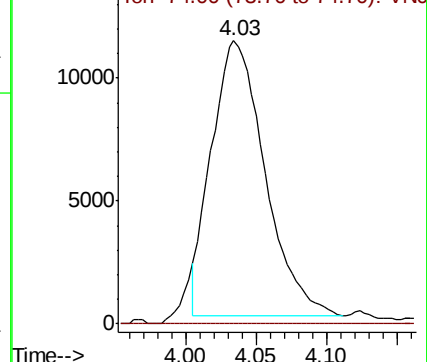
Ion Ratio Lower Upper

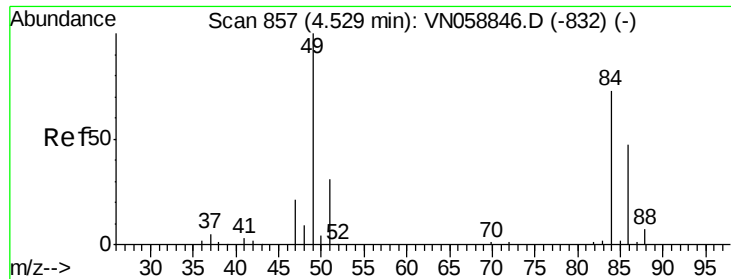
43 100

74 0.0 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-762) (-)

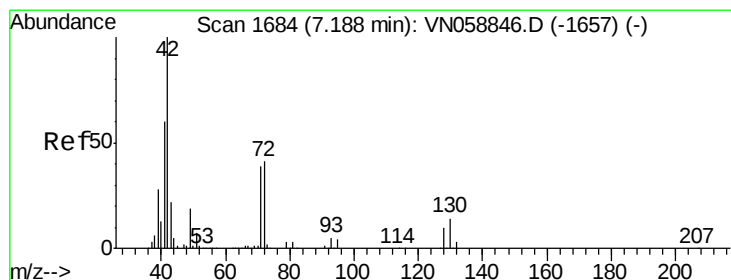
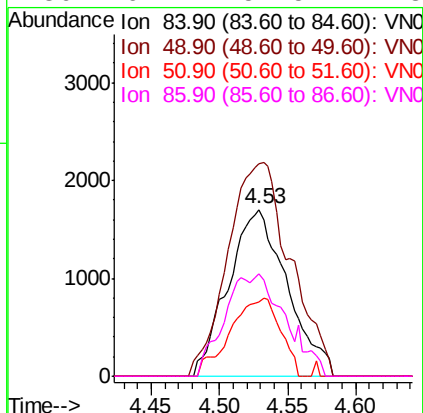
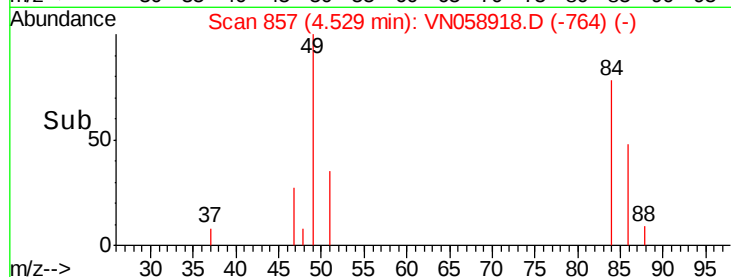
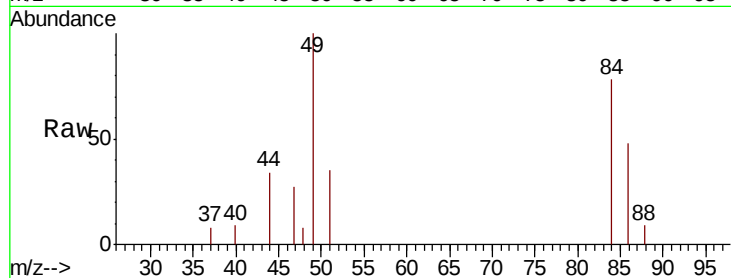




#20
Methvlene Chloride
Concen: 1.316 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058918.D
Acq: 23 Oct 2019 11:00

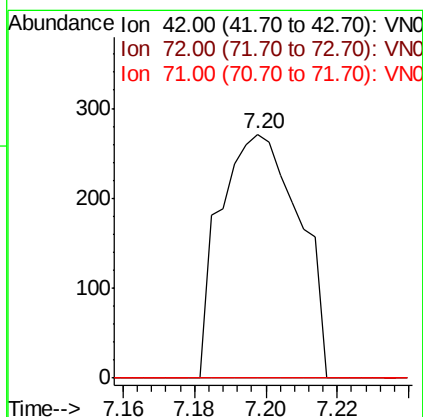
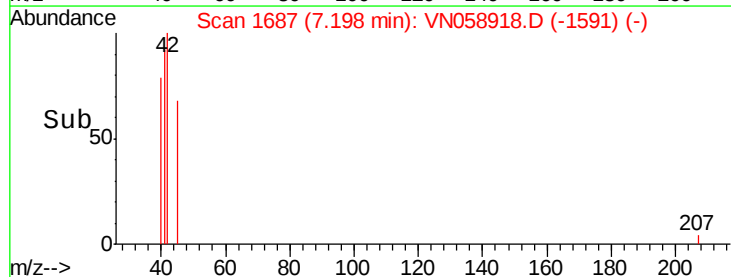
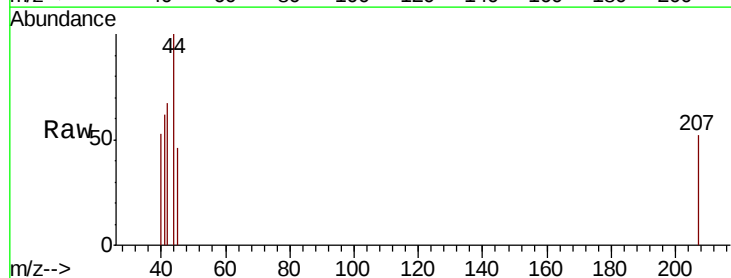
Instrument :
MSVOA_N
ClientSampled :
FB-102119

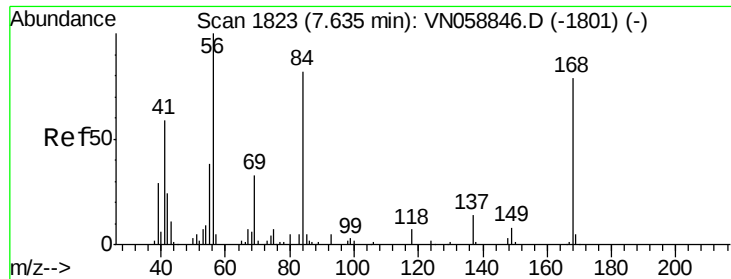
Tot Ion: 84 Resp: 5105
Ion Ratio Lower Upper
84 100
49 127.8 109.6 164.4
51 44.3 33.8 50.6
86 61.4 51.5 77.3



#29
Tetrahydrofuran
Concen: 0.229 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058918.D
Acq: 23 Oct 2019 11:00

Tgt Ion: 42 Resp: 413
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.2#
71 0.0 30.6 45.8#

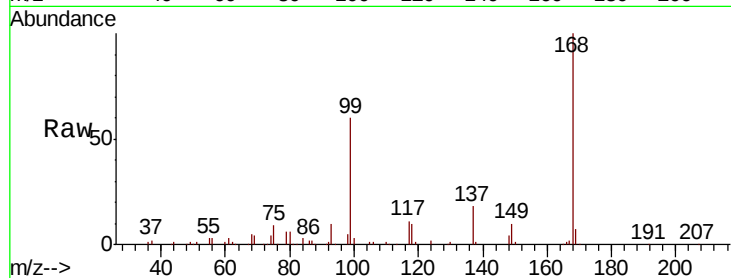




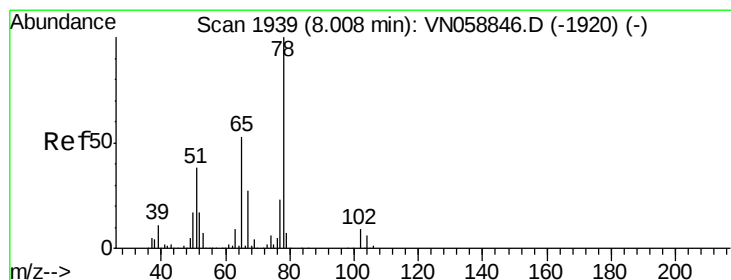
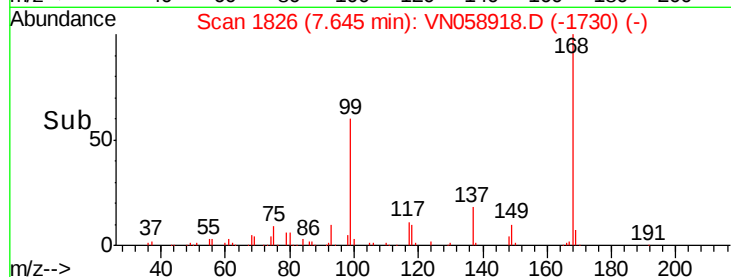
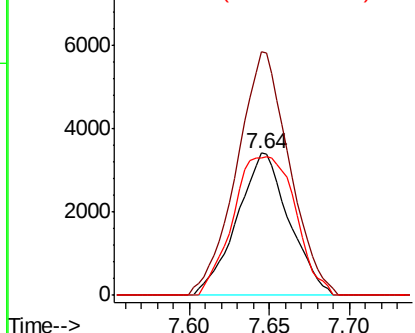
#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058918.D
Acq: 23 Oct 2019 11:00

Instrument :
MSVOA_N
ClientSampled :
FB-102119

Tot Ion: 56 Resp: 7653
Ion Ratio Lower Upper
56 100
69 171.3 26.2 39.4#
84 96.6 65.6 98.4

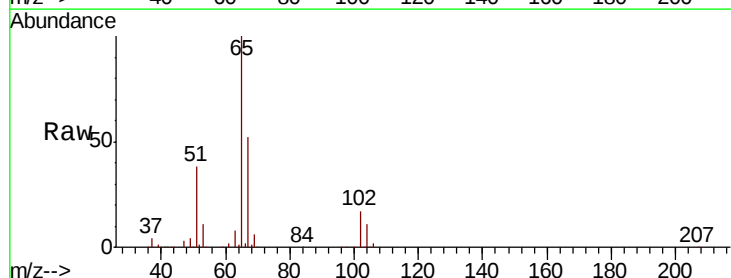


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

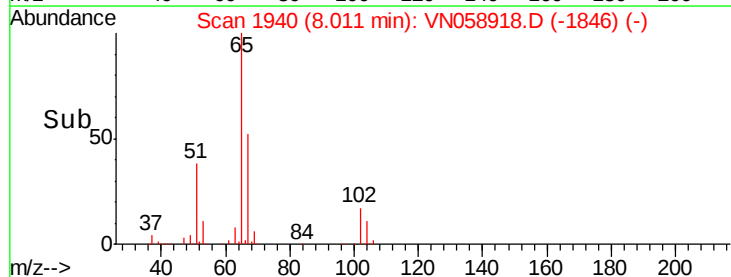
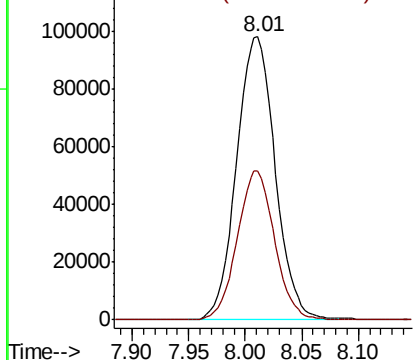


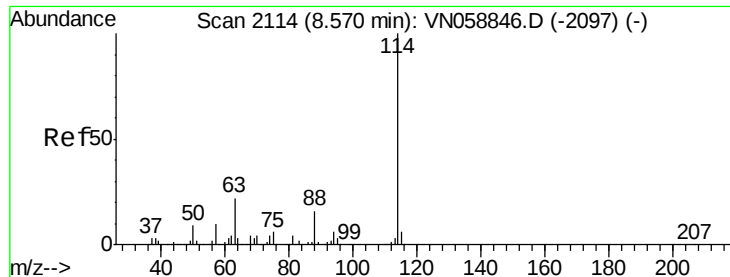
#33
1,2-Dichloroethane-d4
Concen: 50.734 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058918.D
Acq: 23 Oct 2019 11:00

Tgt Ion: 65 Resp: 233191
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.2



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

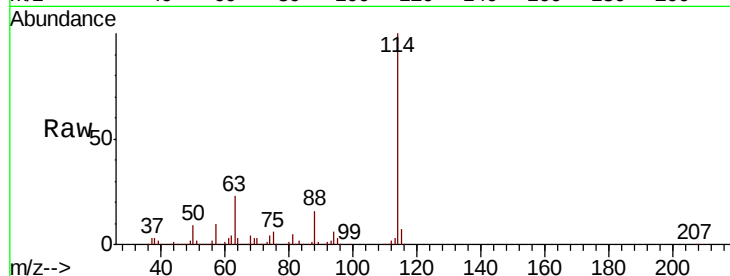




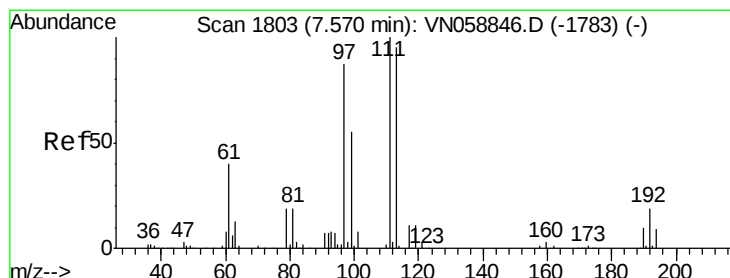
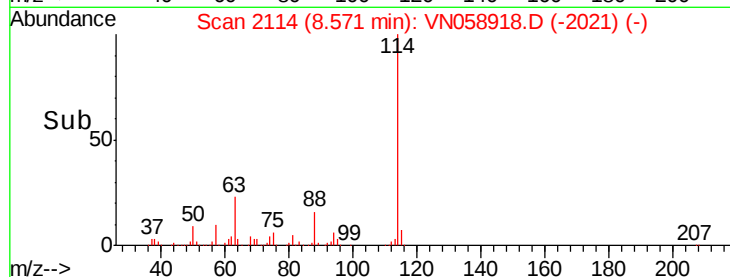
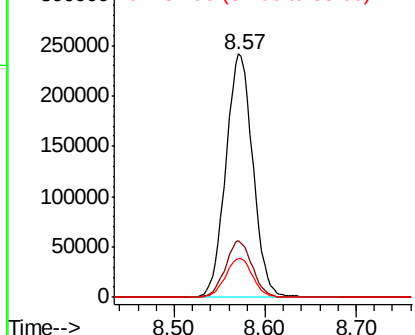
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VN058918.D
Acq: 23 Oct 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
FB-102119

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	44.4
88	15.9	0.0	31.4

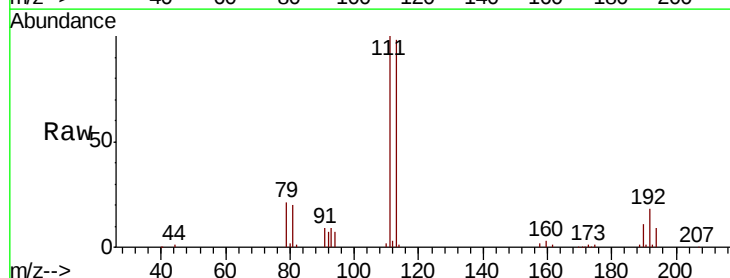


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

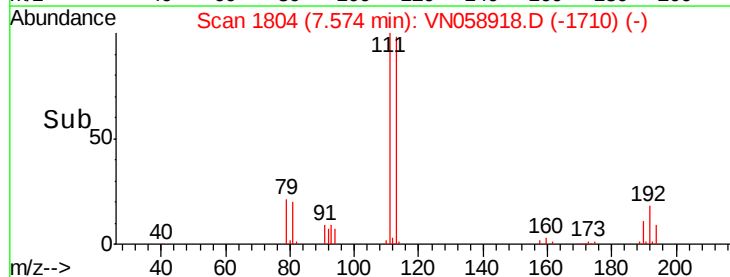
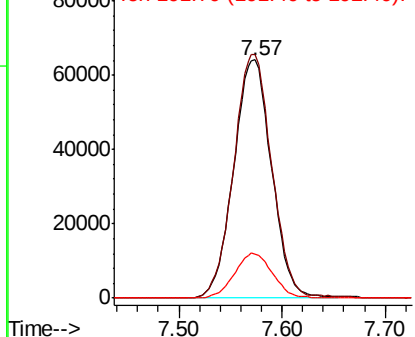


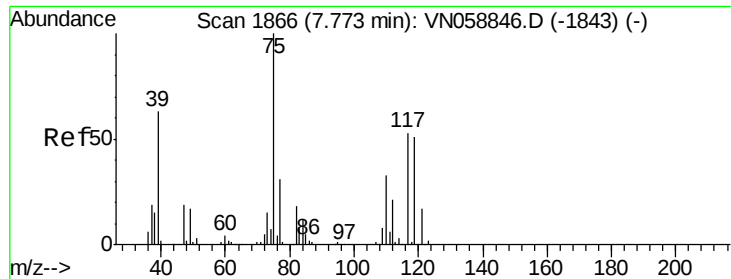
#35
Dibromofluoromethane
Concen: 50.155 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058918.D
Acq: 23 Oct 2019 11:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	18.8	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

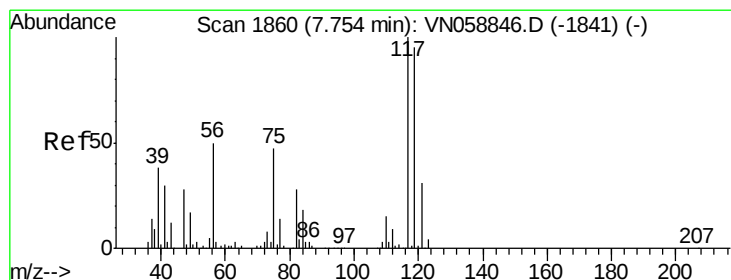
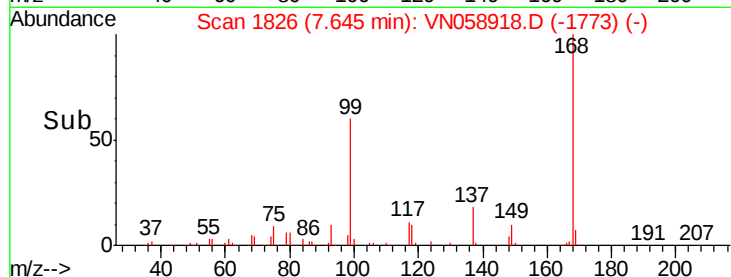
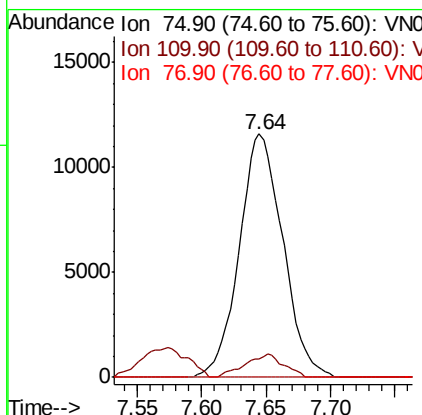
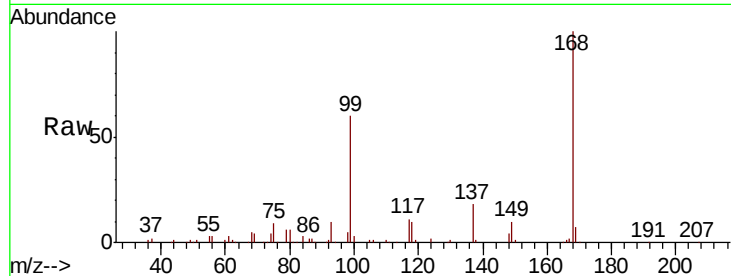




#36
 1,1-Dichloropropene
 Concen: 5.338 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058918.D
 Acq: 23 Oct 2019 11:00

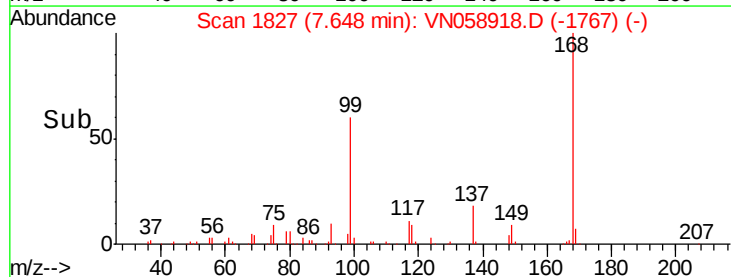
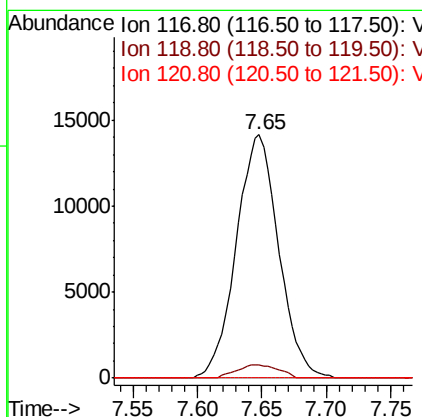
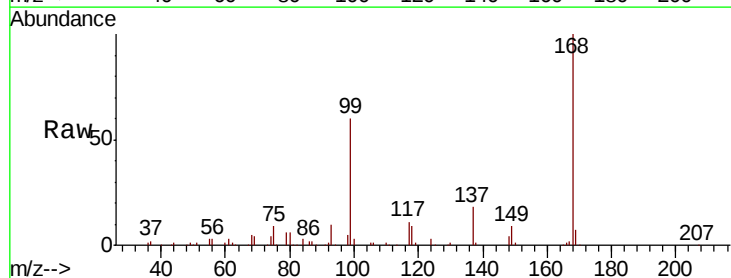
Instrument :
 MSVOA_N
 ClientSampleId :
 FB-102119

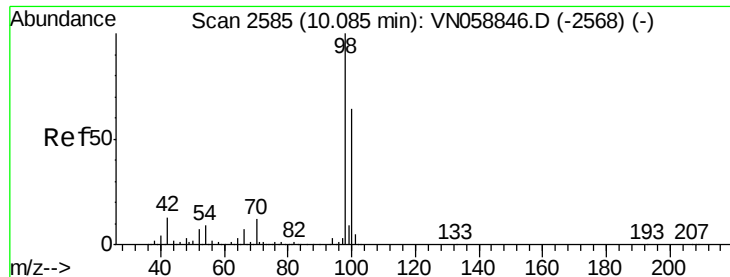
Tot Ion: 75 Resp: 27273
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.3 48.9#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.142 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058918.D
 Acq: 23 Oct 2019 11:00

Tgt Ion: 117 Resp: 32329
 Ion Ratio Lower Upper
 117 100
 119 5.5 75.7 113.5#
 121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 48.433 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058918.D

Acq: 23 Oct 2019 11:00

Instrument :

MSVOA_N

ClientSampleId :

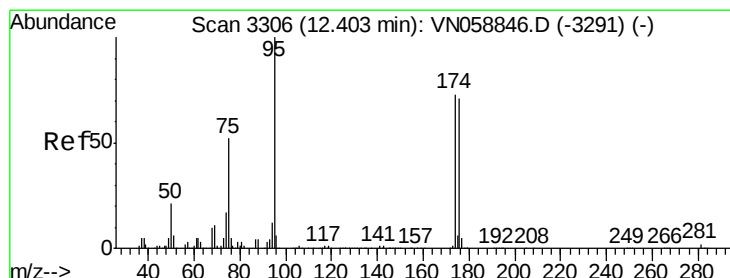
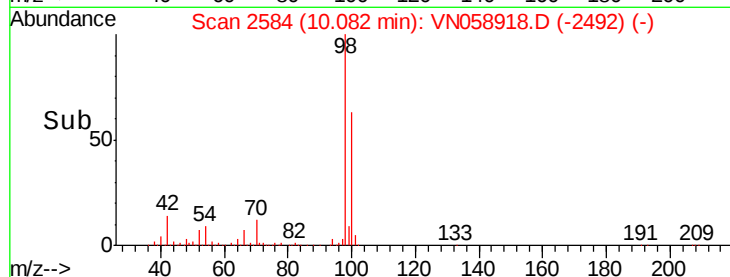
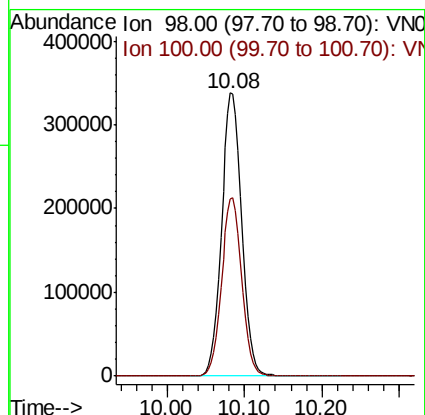
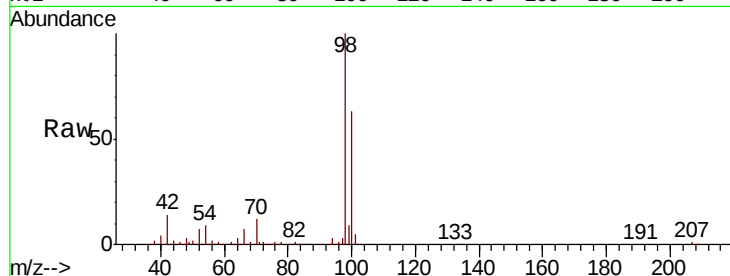
FB-102119

Tot Ion: 98 Resp: 616848

Ion Ratio Lower Upper

98 100

100 62.7 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 38.663 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058918.D

Acq: 23 Oct 2019 11:00

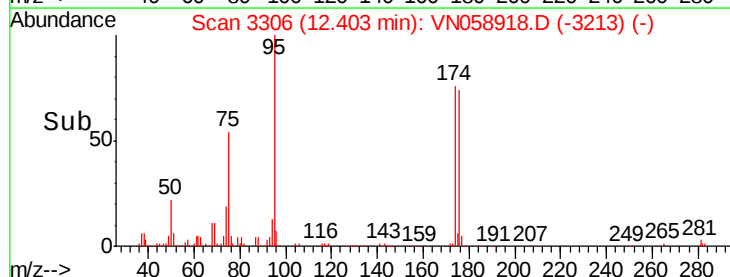
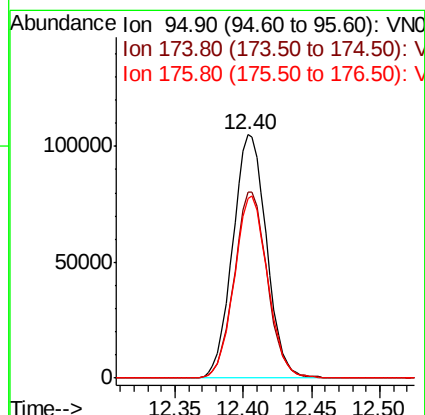
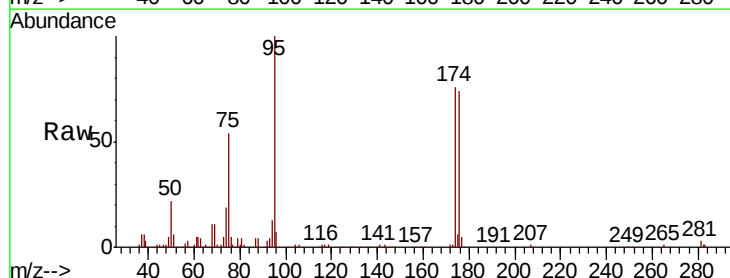
Tgt Ion: 95 Resp: 180829

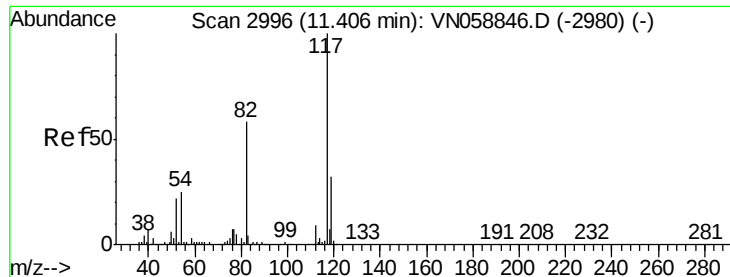
Ion Ratio Lower Upper

95 100

174 75.1 0.0 147.6

176 73.9 0.0 143.2

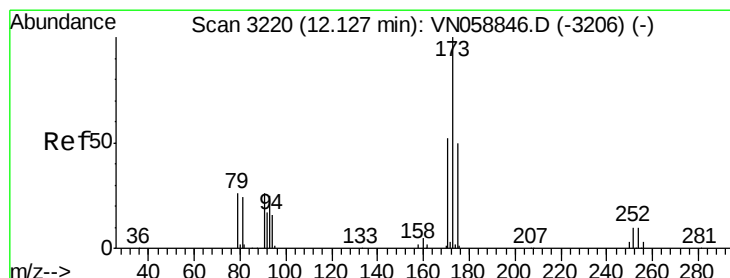
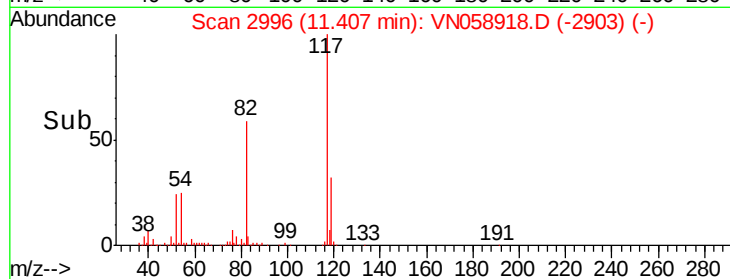
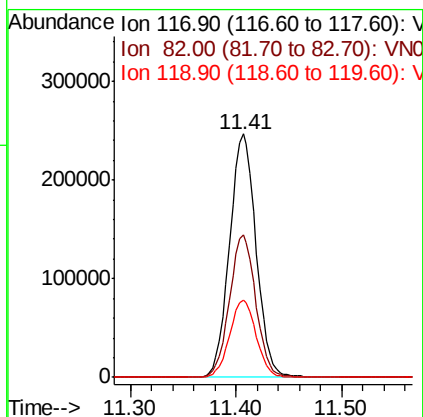
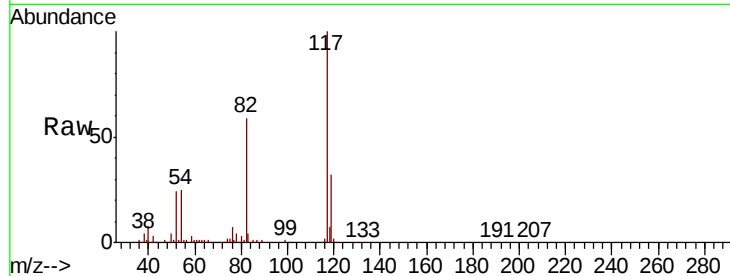




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058918.D
Acq: 23 Oct 2019 11:00

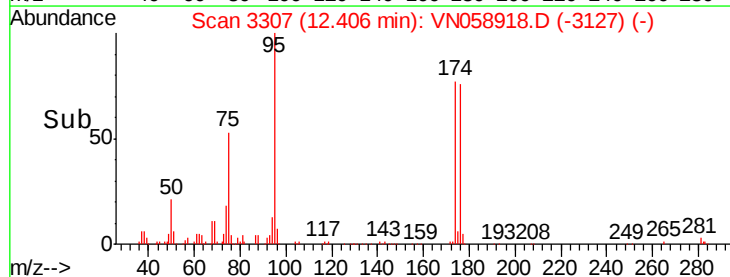
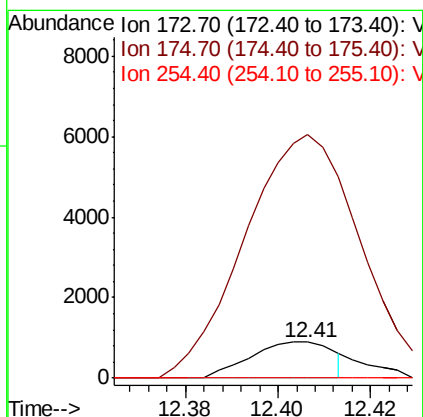
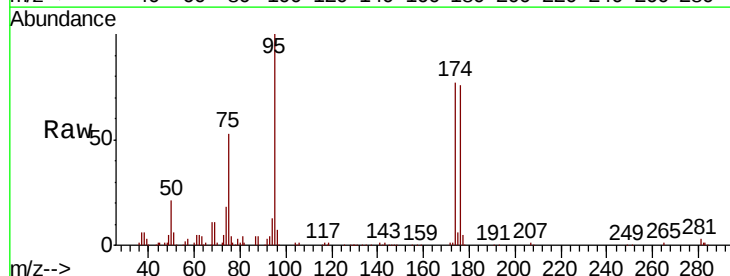
Instrument :
MSVOA_N
ClientSampleId :
FB-102119

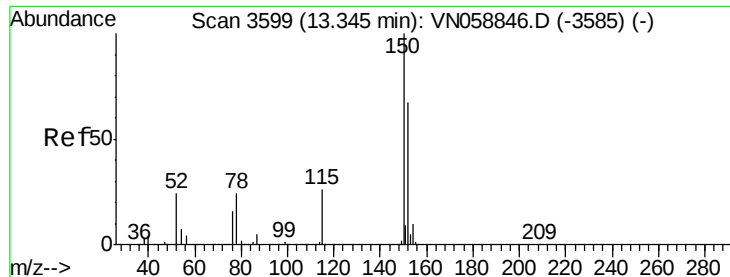
Tot Ion:117 Resp: 428025
Ion Ratio Lower Upper
117 100
82 58.5 46.6 69.8
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.437 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058918.D
Acq: 23 Oct 2019 11:00

Tgt Ion:173 Resp: 1114
Ion Ratio Lower Upper
173 100
175 745.6 24.7 74.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058918.D

Acq: 23 Oct 2019 11:00

Instrument :

MSVOA_N

ClientSampleId :

FB-102119

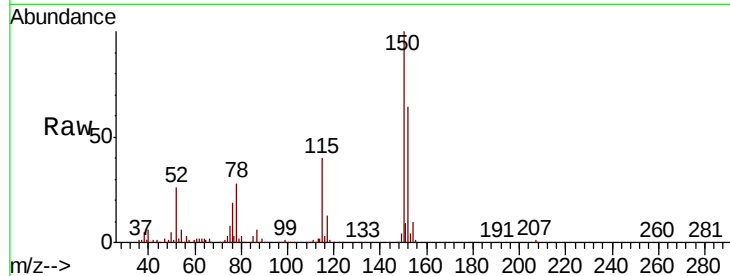
Tot Ion:152 Resp: 140589

Ion Ratio Lower Upper

152 100

115 61.0 30.5 91.5

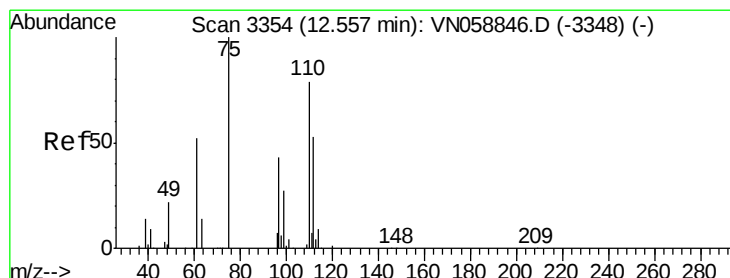
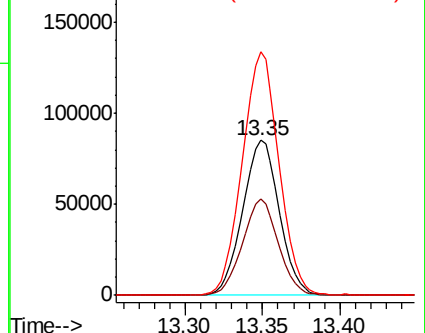
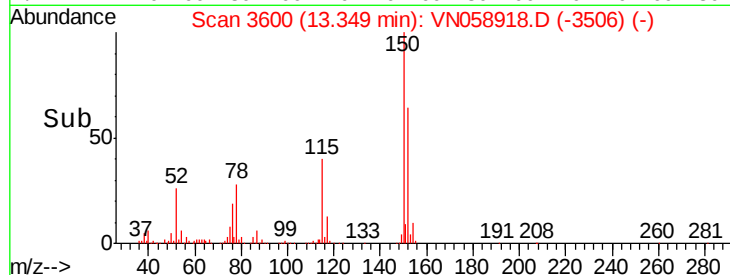
150 157.3 0.0 344.4



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: 29.939 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058918.D

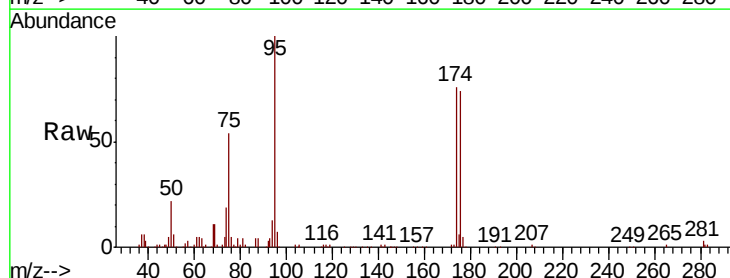
Acq: 23 Oct 2019 11:00

Tgt Ion: 75 Resp: 97549

Ion Ratio Lower Upper

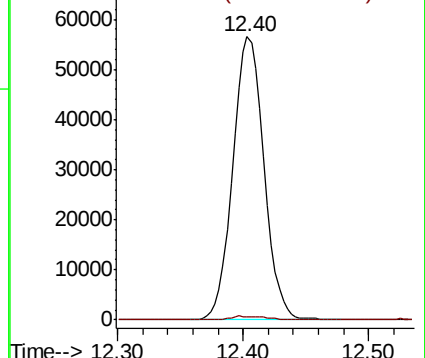
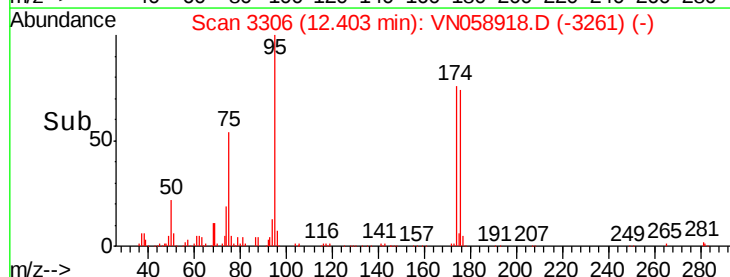
75 100

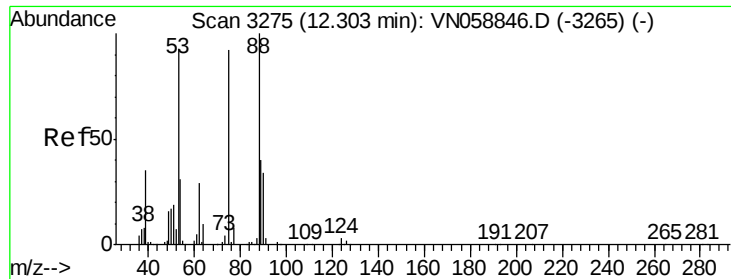
77 0.7 0.0 0.0#



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: 77.992 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058918.D

Acq: 23 Oct 2019 11:00

Instrument :

MSVOA_N

ClientSampled :

FB-102119

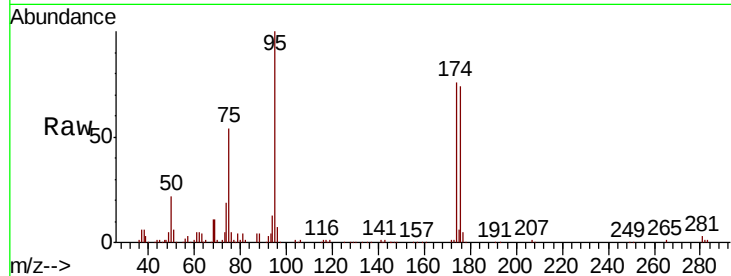
Tot Ion: 75 Resp: 97549

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

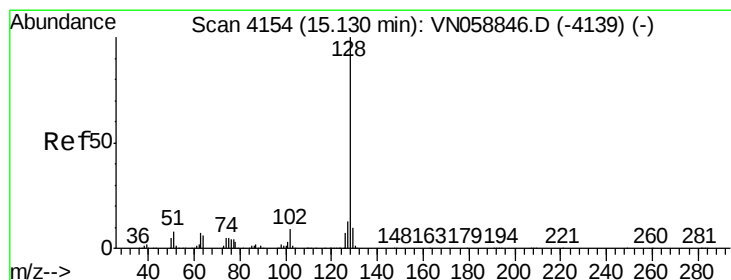
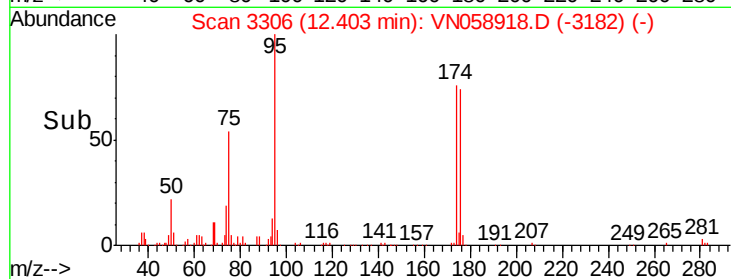
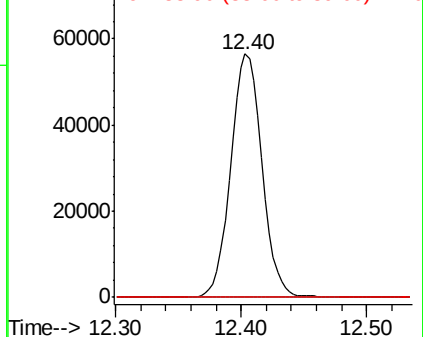
89 0.0 35.4 53.0#



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



#95

Naphthalene

Concen: 2.344 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058918.D

Acq: 23 Oct 2019 11:00

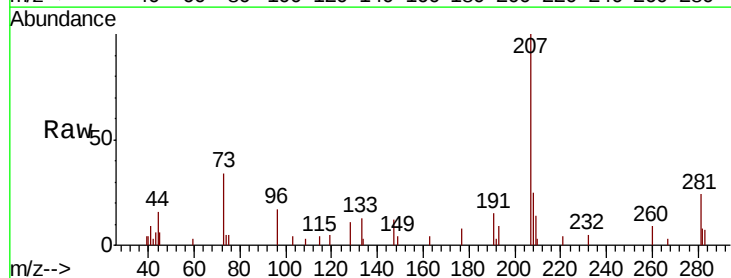
Tgt Ion: 128 Resp: 996

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

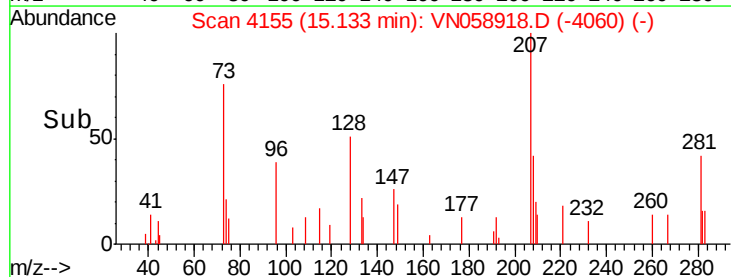
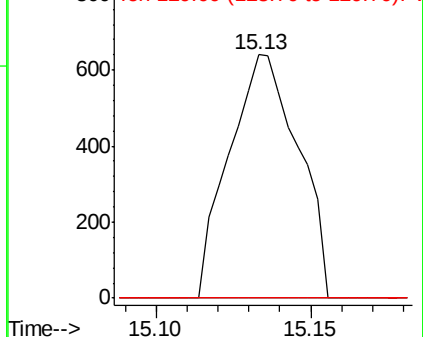
129 0.0 8.4 12.6#

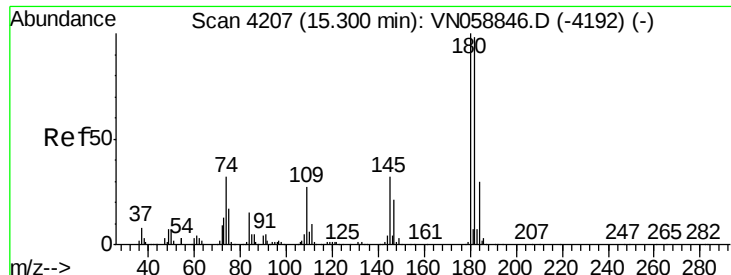


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.415 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. 0.01 min
 Lab File: VN058918.D
 Acq: 23 Oct 2019 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-102119

Tot Ion	Ratio	Lower	Upper
180	100		
182	184.7	47.9	143.7#
145	0.0	15.9	47.7#

