

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058931.D
 Acq On : 23 Oct 2019 15:46
 Operator : JC/SP
 Sample : K5486-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 01:13:55 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

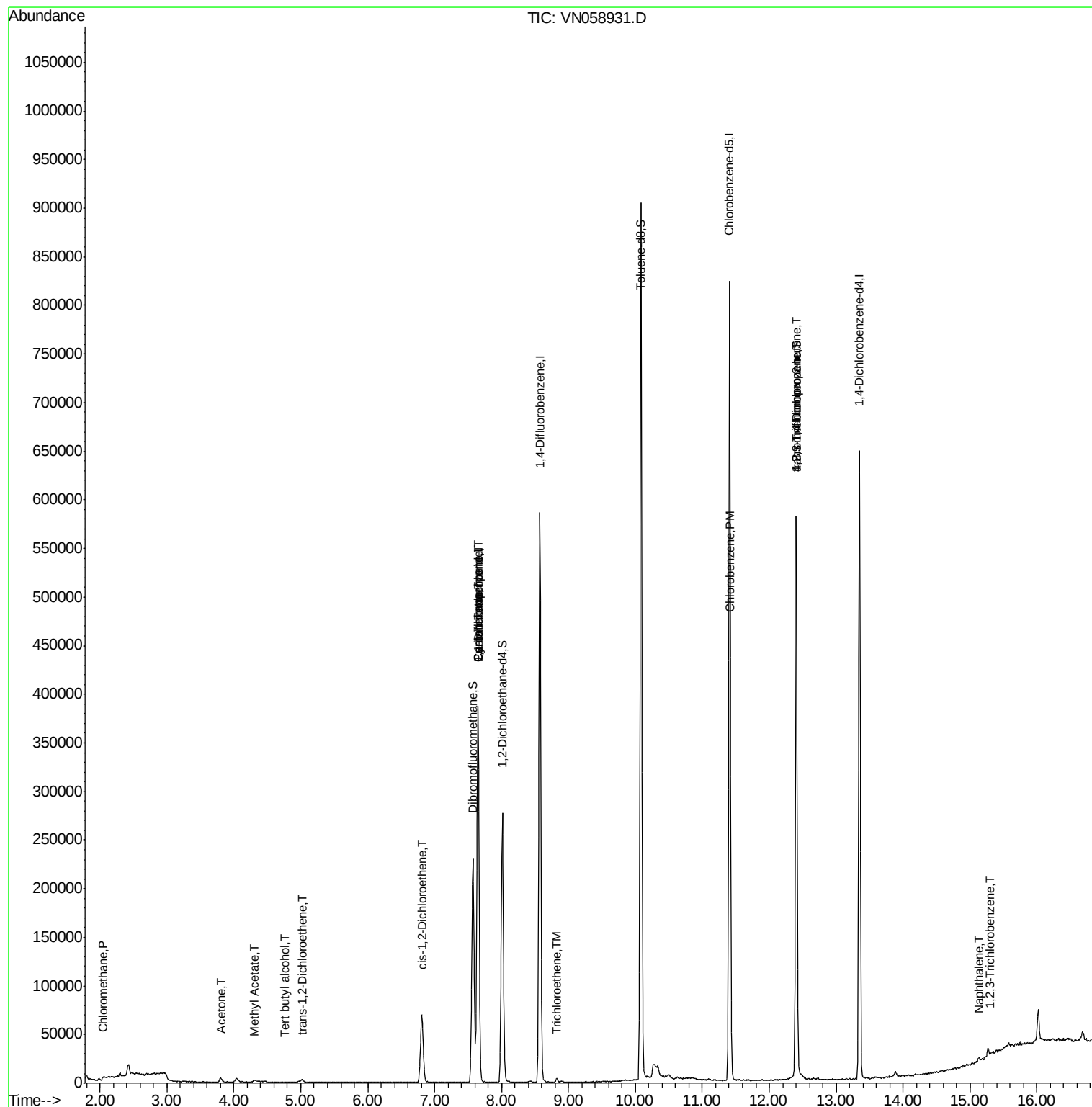
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	299443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	499977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	446037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	166478	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	244095	55.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.16%	
35) Dibromofluoromethane	7.57	113	174435	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
50) Toluene-d8	10.08	98	610045	47.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.40	95	195235	41.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.32%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	1085	0.235	ug/l	91
11) Tert butyl alcohol	4.75	59	213	0.292	ug/l #	72
16) Acetone	3.80	43	7449	3.432	ug/l	91
18) Methyl Acetate	4.30	43	1838	0.373	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	898	0.275	ug/l #	78
27) cis-1,2-Dichloroethene	6.81	96	43100	11.573	ug/l	90
31) Cyclohexane	7.65	56	7435	1.178	ug/l #	40
36) 1,1-Dichloropropene	7.64	75	25481	4.978	ug/l #	51
38) Carbon Tetrachloride	7.65	117	29707	5.634	ug/l #	16
44) Trichloroethene	8.82	130	1529	0.418	ug/l	85
65) Chlorobenzene	11.43	112	2495	0.275	ug/l	94
76) 1,2,3-Trichloropropane	12.40	75	105181	27.261	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	105181	71.017	ug/l #	10
95) Naphthalene	15.14	128	448	2.270	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.30	180	225	2.461	ug/l #	12

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058931.D

Acq: 23 Oct 2019 15:46

Instrument :

MSVOA_N

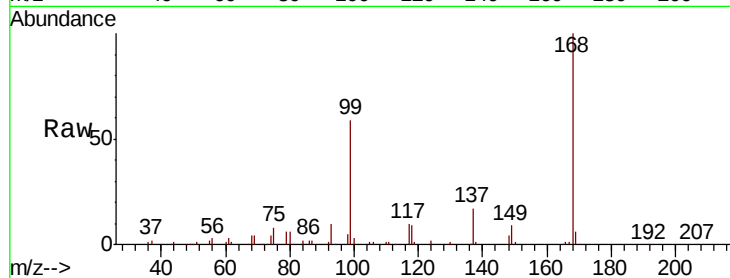
ClientSampled :

Tot Ion:168 Resp: 299443

Ion Ratio Lower Upper

168 100

99 59.5 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

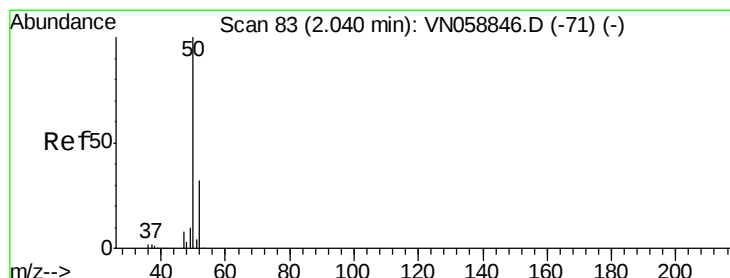
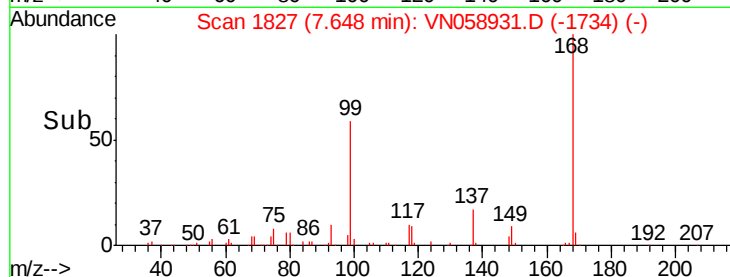
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.235 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058931.D

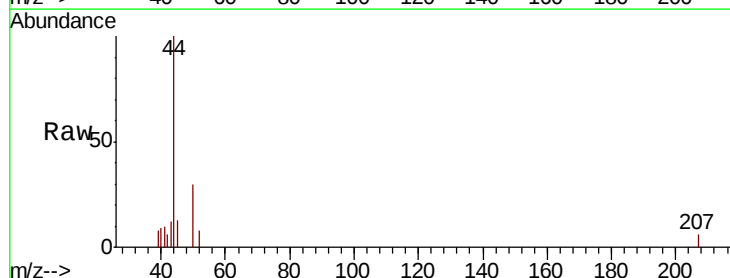
Acq: 23 Oct 2019 15:46

Tgt Ion: 50 Resp: 1085

Ion Ratio Lower Upper

50 100

52 27.3 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

1000

800

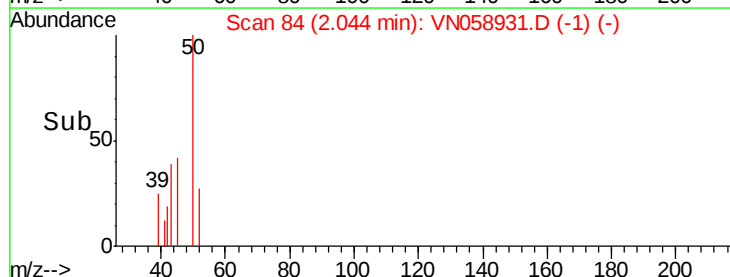
600

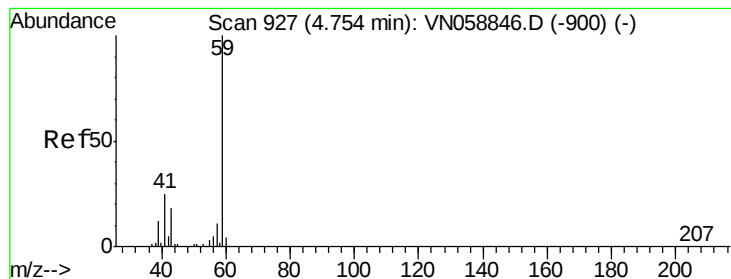
400

200

0

Time-->



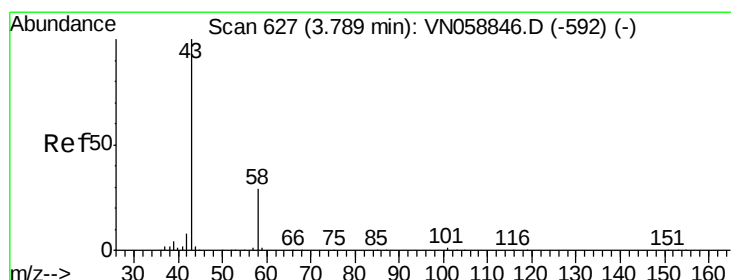
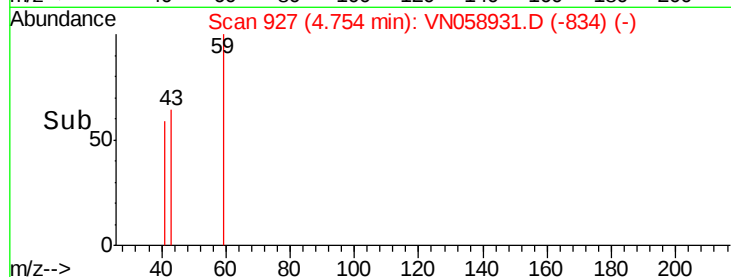
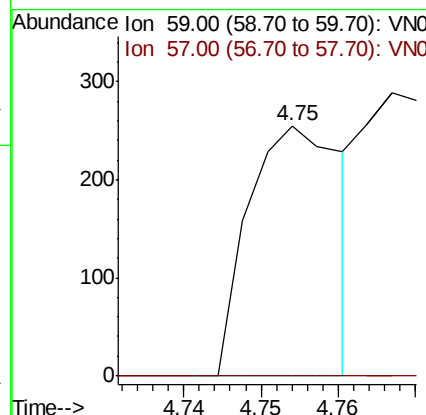
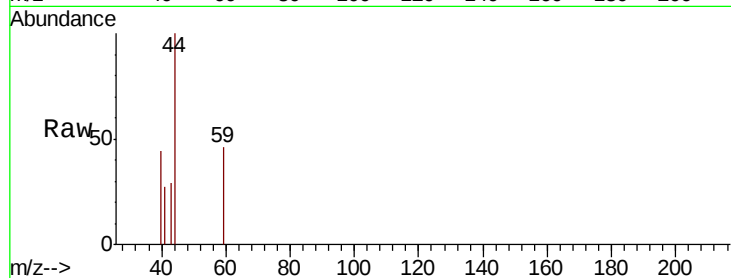


#11

Tert butyl alcohol
Concen: 0.292 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058931.D
Acq: 23 Oct 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :

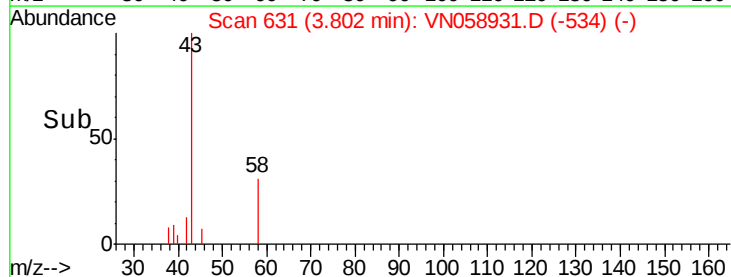
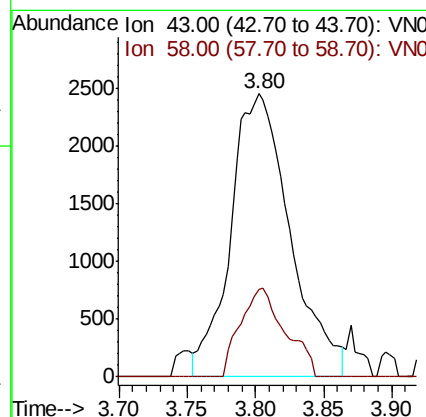
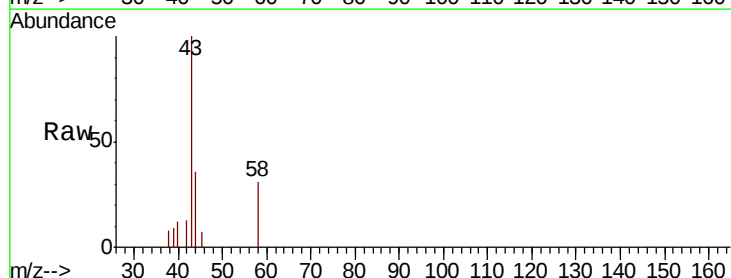
Tot Ion: 59 Resp: 213
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

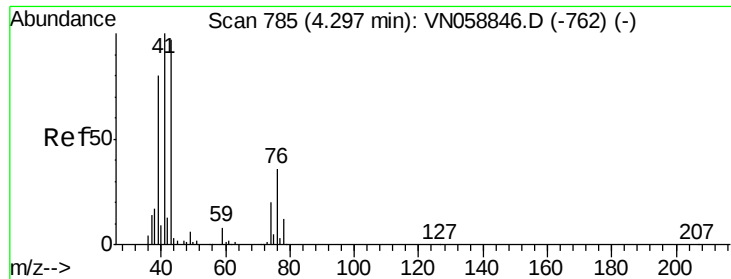


#16

Acetone
Concen: 3.432 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN058931.D
Acq: 23 Oct 2019 15:46

Tgt Ion: 43 Resp: 7449
Ion Ratio Lower Upper
43 100
58 33.8 23.1 34.7

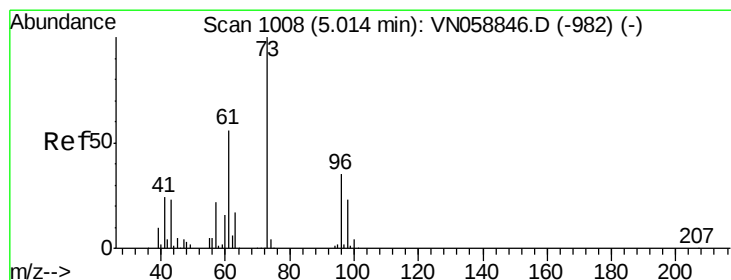
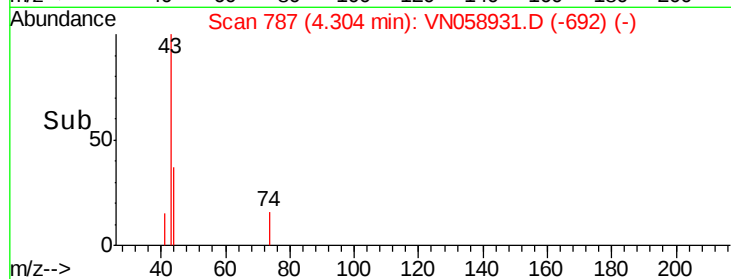
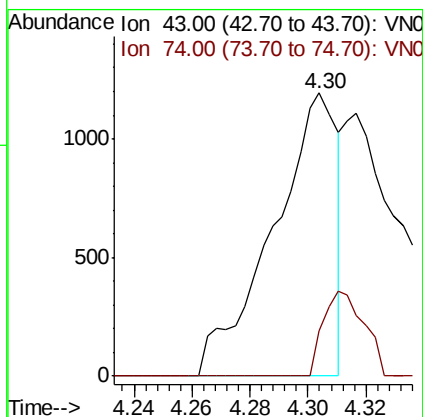
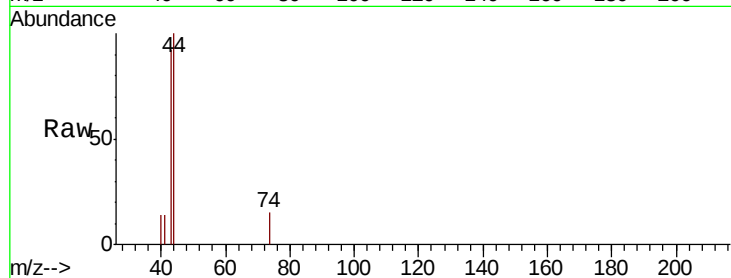




#18
Methyl Acetate
Concen: 0.373 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN058931.D
Acq: 23 Oct 2019 15:46

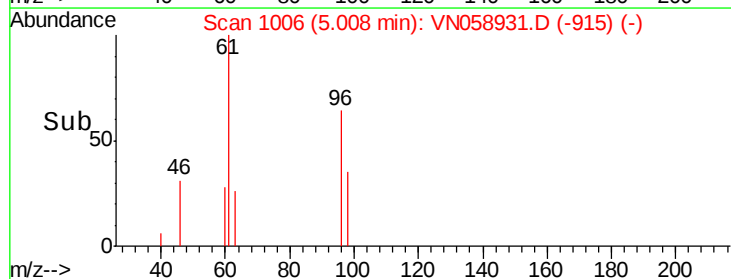
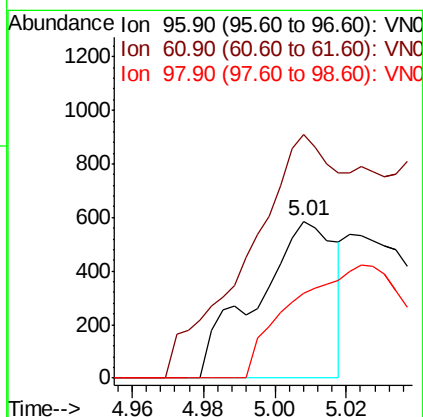
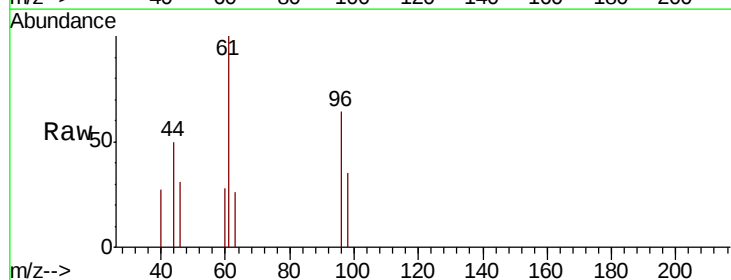
Instrument :
MSVOA_N
ClientSampled :

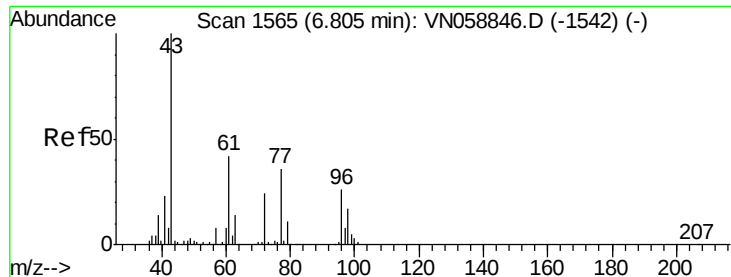
Tot Ion: 43 Resp: 1838
Ion Ratio Lower Upper
43 100
74 19.1 17.1 25.7



#21
trans-1,2-Dichloroethene
Concen: 0.275 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN058931.D
Acq: 23 Oct 2019 15:46

Tgt Ion: 96 Resp: 898
Ion Ratio Lower Upper
96 100
61 124.7 126.7 190.1#
98 54.1 52.0 78.0

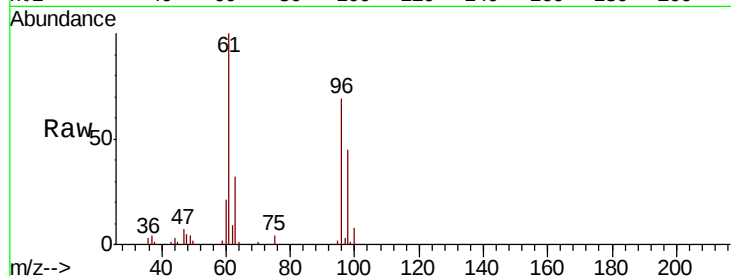




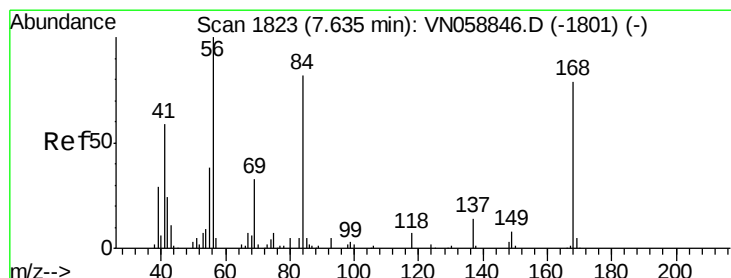
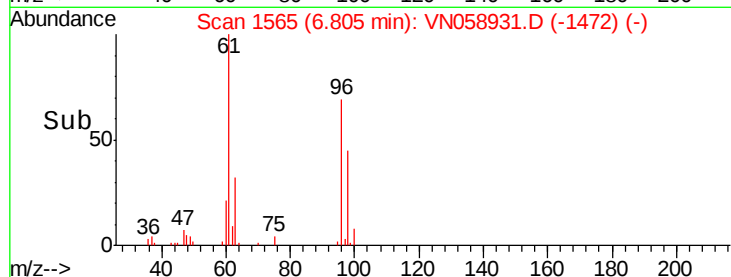
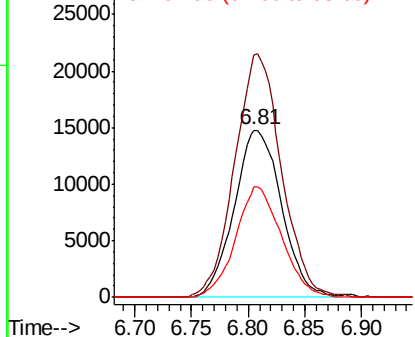
#27
 cis-1,2-Dichloroethene
 Concen: 11.573 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058931.D
 Acq: 23 Oct 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	96	Resp	43100
Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	325.0
98	64.0	0.0	128.0

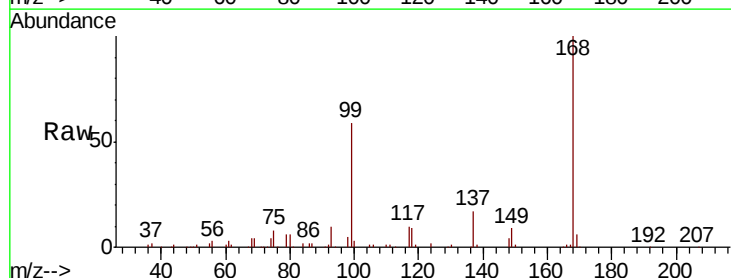


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

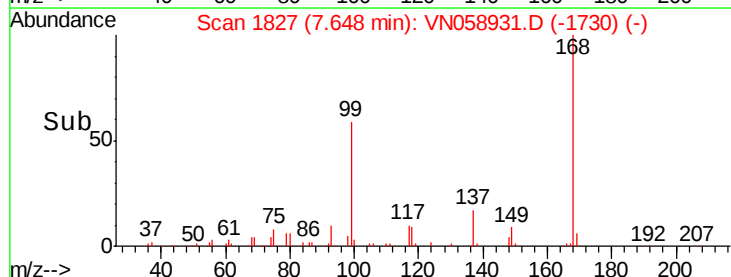
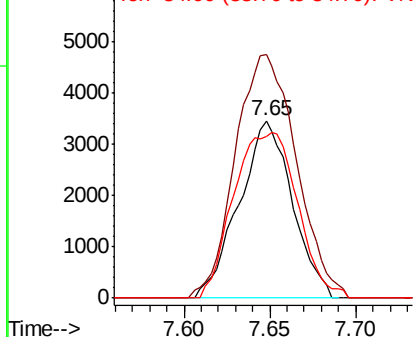


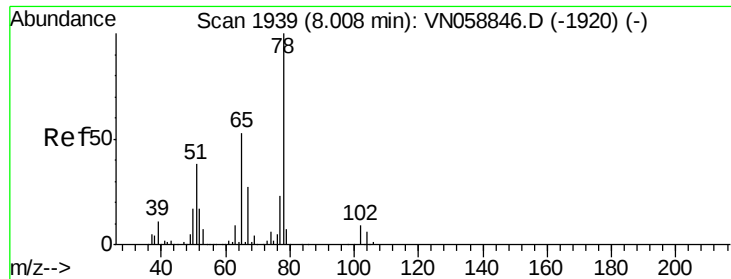
#31
 Cyclohexane
 Concen: 1.178 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VN058931.D
 Acq: 23 Oct 2019 15:46

Tgt Ion	56	Resp	7435
Ion	Ratio	Lower	Upper
56	100		
69	137.3	26.2	39.4#
84	91.4	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

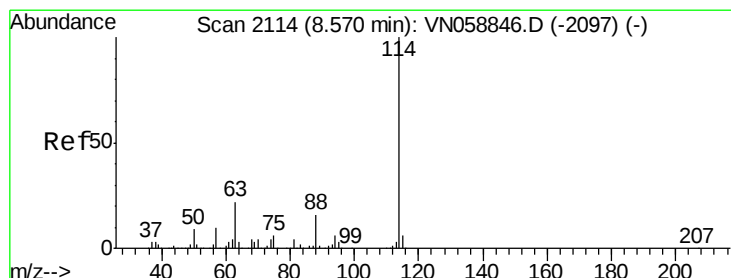
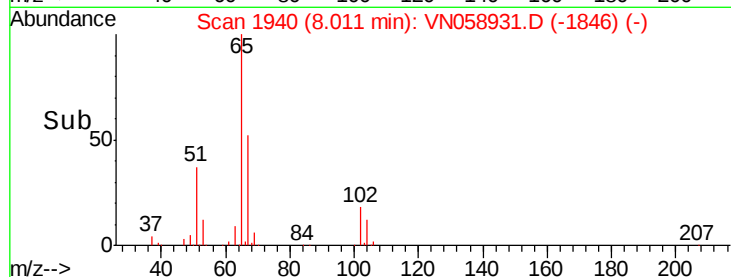
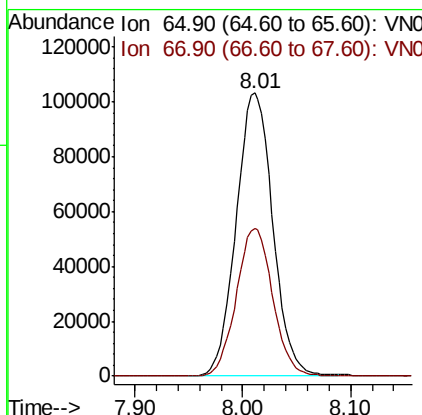
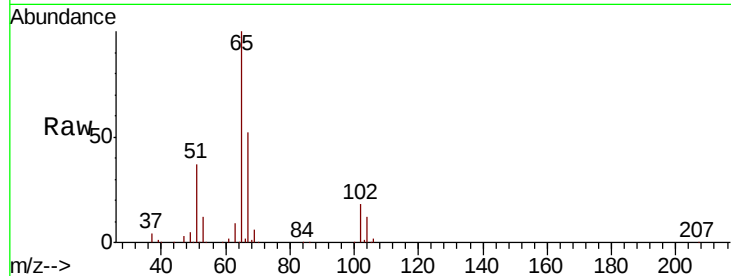




#33
 1,2-Dichloroethane-d4
 Concen: 55.580 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058931.D
 Acq: 23 Oct 2019 15:46

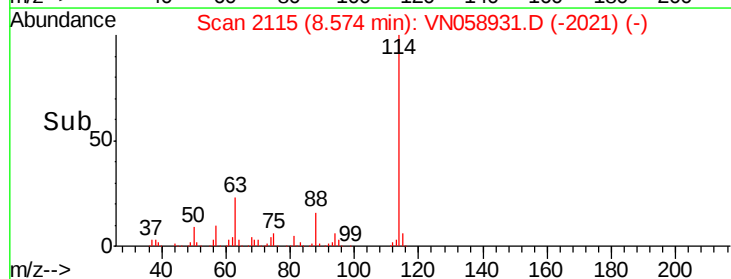
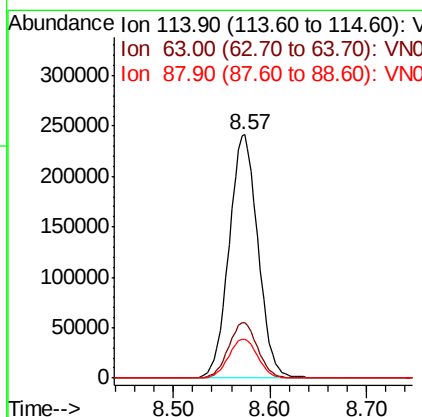
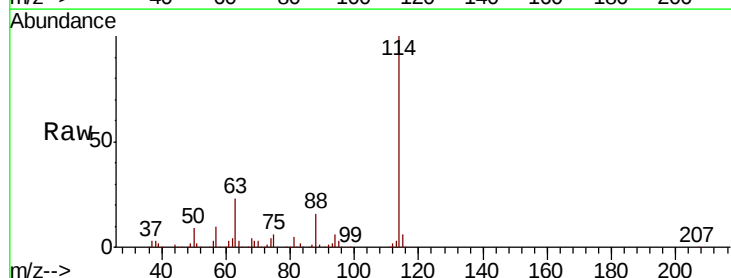
Instrument :
 MSVOA_N
 ClientSampleId :

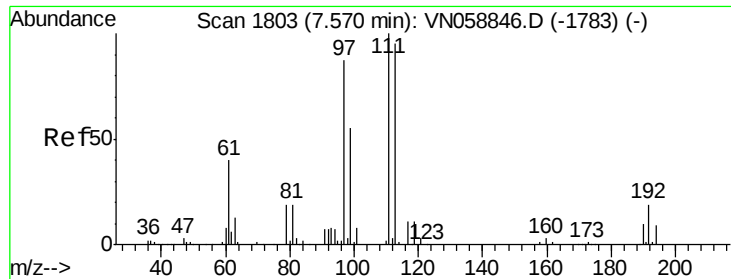
Tot Ion: 65 Resp: 244095
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058931.D
 Acq: 23 Oct 2019 15:46

Tgt Ion: 114 Resp: 499977
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.4
 88 15.9 0.0 31.4

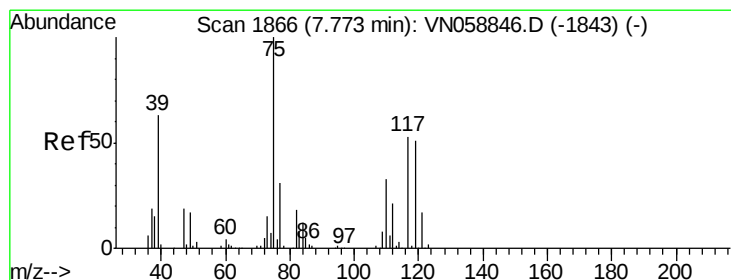
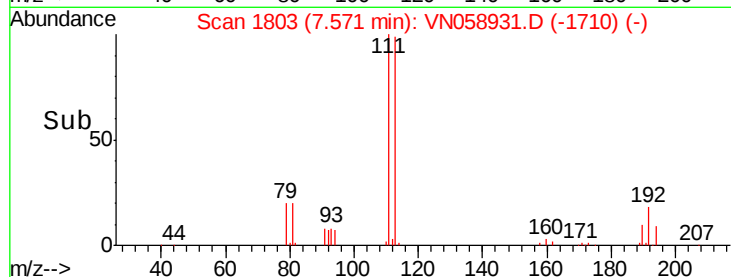
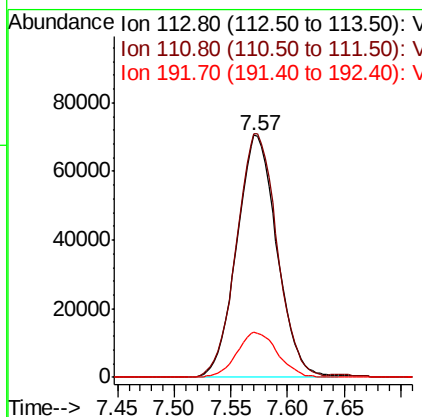
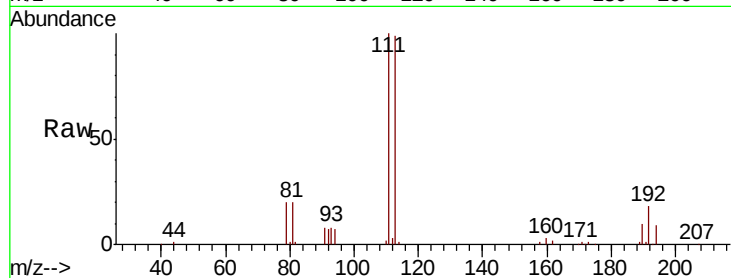




#35
Dibromofluoromethane
Concen: 53.065 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN058931.D
Acq: 23 Oct 2019 15:46

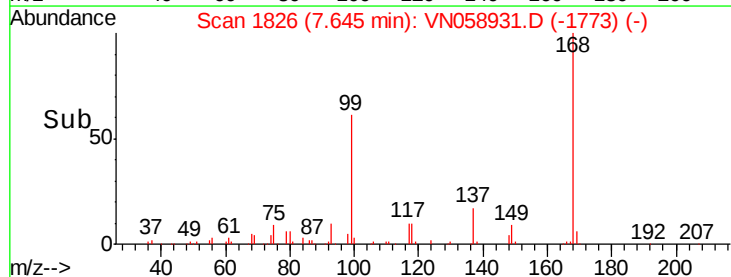
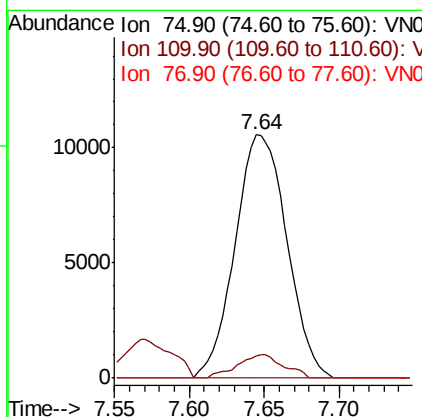
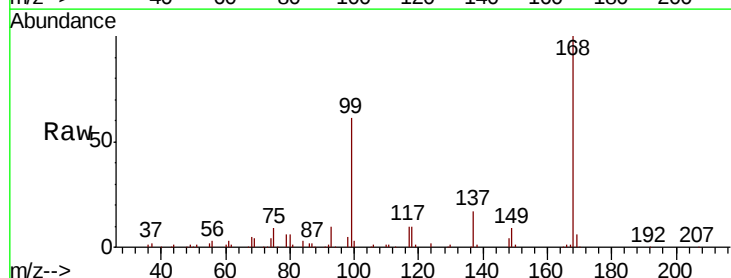
Instrument :
MSVOA_N
ClientSampleId :

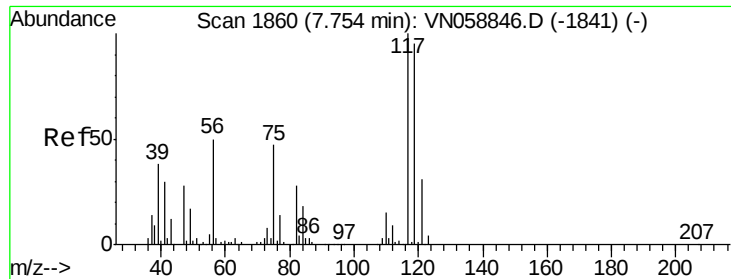
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.0	123.0
192	18.7	15.0	22.6



#36
1,1-Dichloropropene
Concen: 4.978 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.13 min
Lab File: VN058931.D
Acq: 23 Oct 2019 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.3	48.9#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.634 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058931.D

Acq: 23 Oct 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

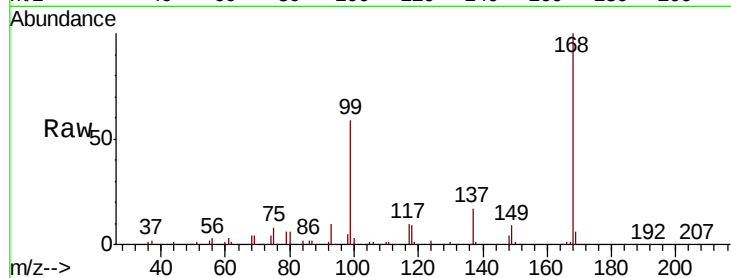
Tot Ion:117 Resp: 29707

Ion Ratio Lower Upper

117 100

119 5.0 75.7 113.5#

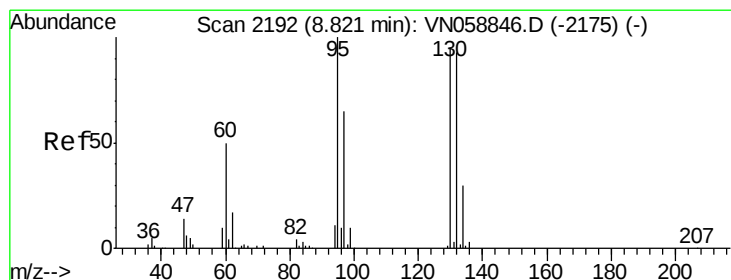
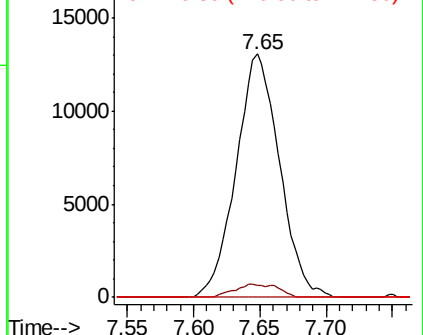
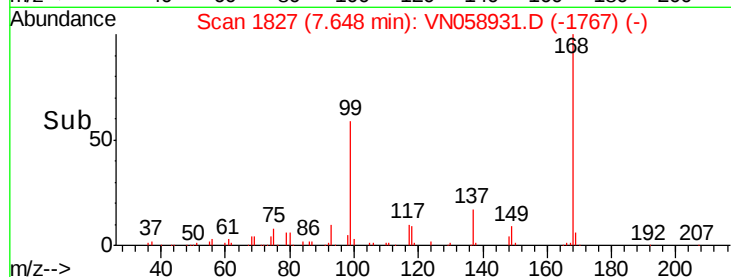
121 0.0 25.0 37.6#



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



#44

Trichloroethene

Concen: 0.418 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN058931.D

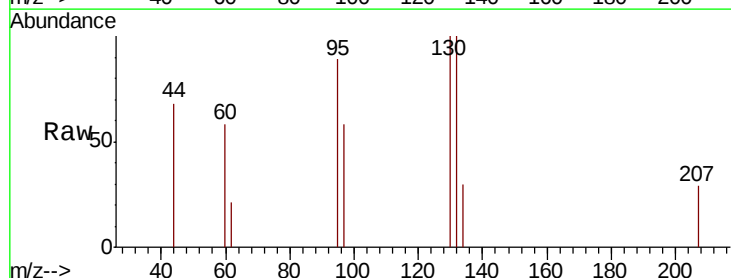
Acq: 23 Oct 2019 15:46

Tgt Ion:130 Resp: 1529

Ion Ratio Lower Upper

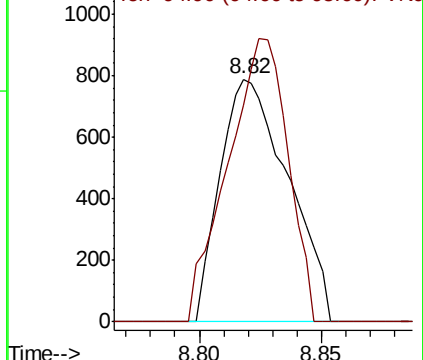
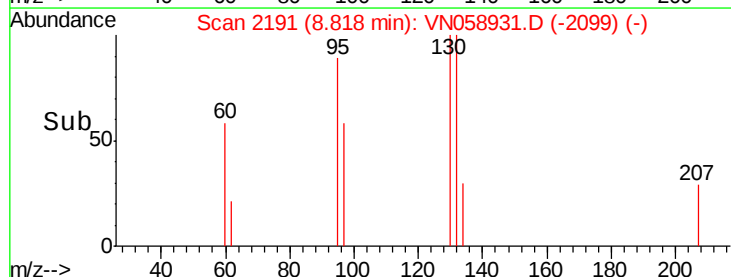
130 100

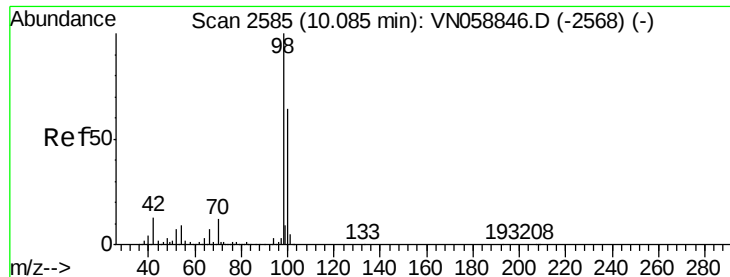
95 89.3 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 47.807 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058931.D

Acq: 23 Oct 2019 15:46

Instrument :

MSVOA_N

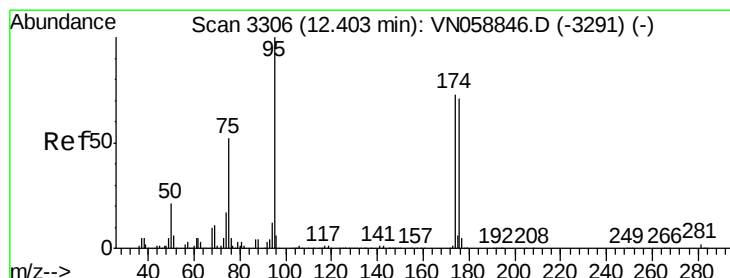
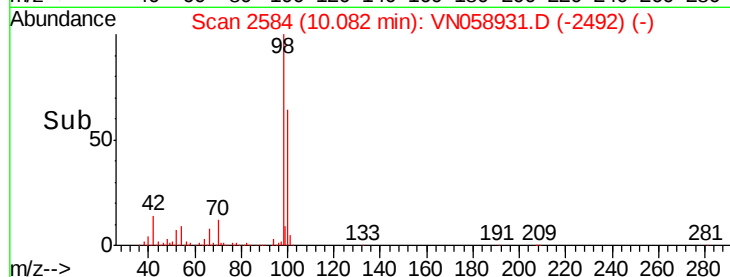
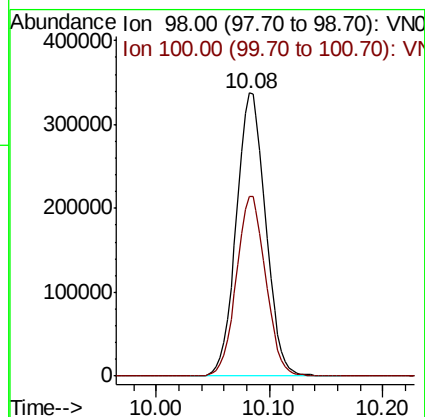
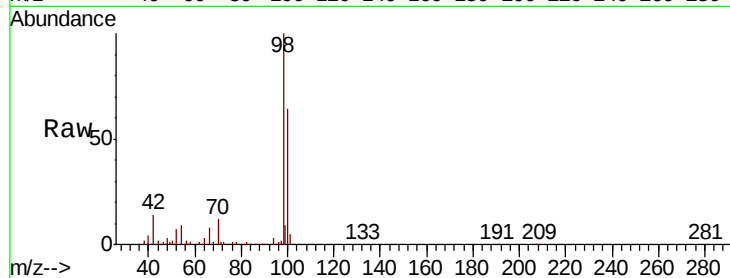
ClientSampleId :

Tot Ion: 98 Resp: 610045

Ion Ratio Lower Upper

98 100

100 63.5 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 41.663 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058931.D

Acq: 23 Oct 2019 15:46

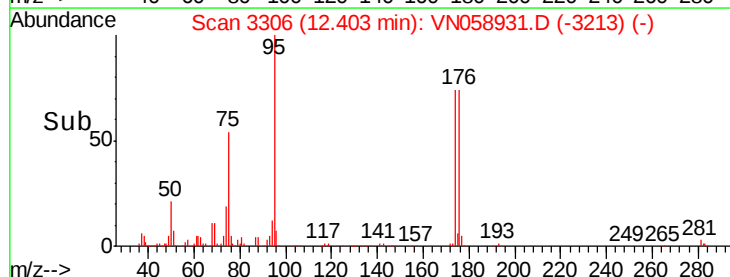
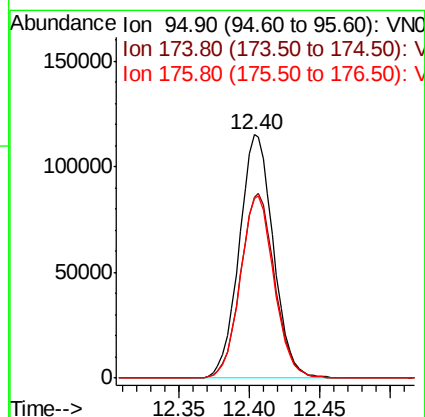
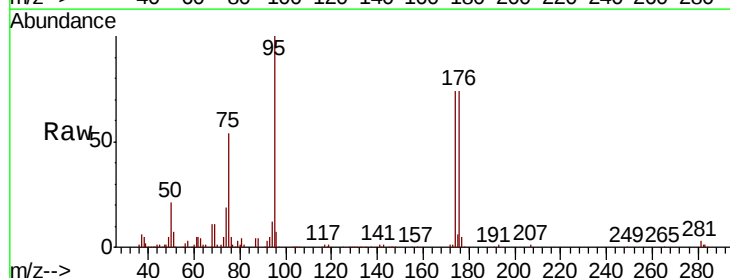
Tgt Ion: 95 Resp: 195235

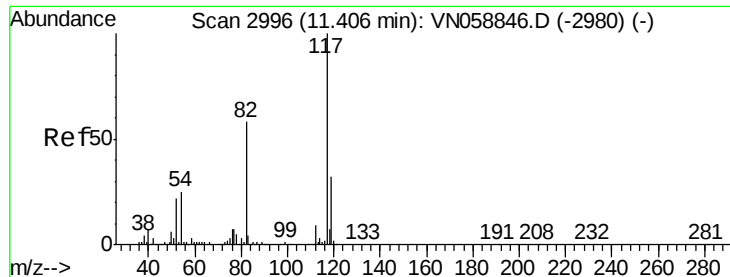
Ion Ratio Lower Upper

95 100

174 76.2 0.0 147.6

176 74.1 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: VN058931.D

Acq: 23 Oct 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

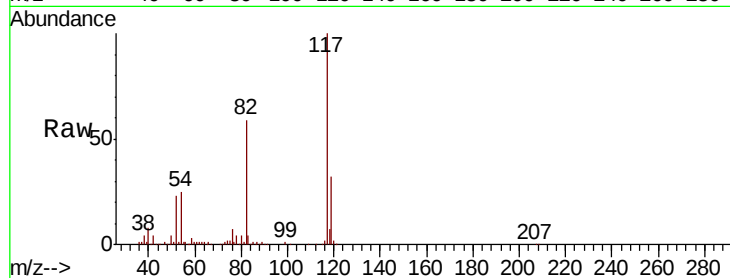
Tot Ion:117 Resp: 446037

Ion Ratio Lower Upper

117 100

82 58.9 46.6 69.8

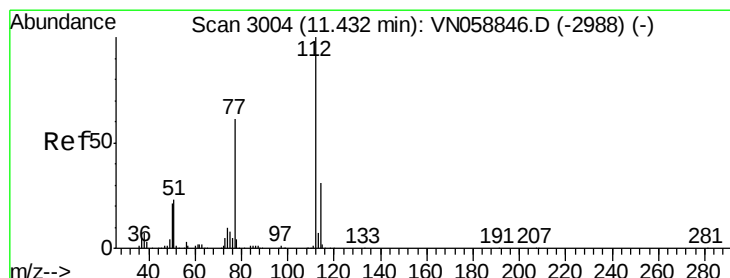
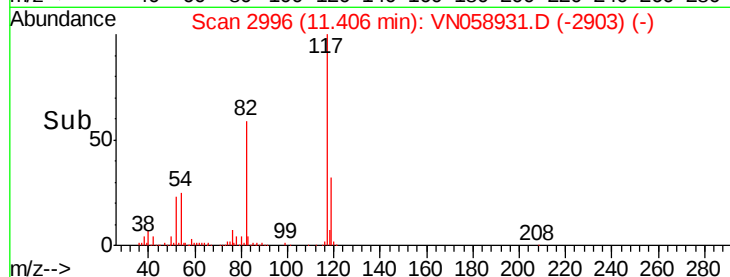
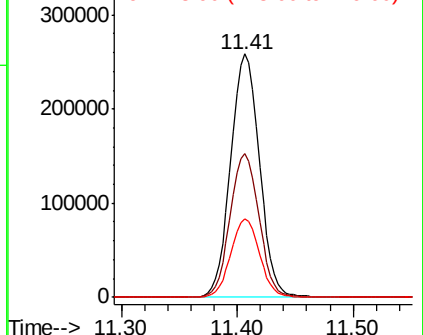
119 32.4 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.275 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN058931.D

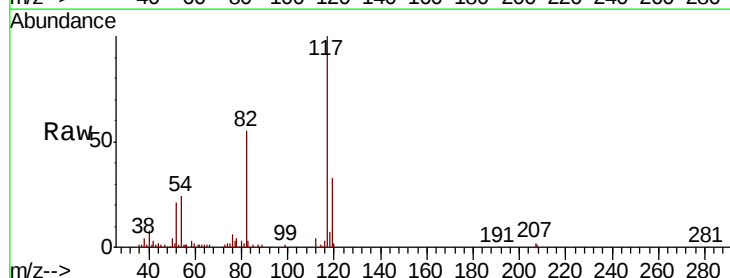
Acq: 23 Oct 2019 15:46

Tgt Ion:112 Resp: 2495

Ion Ratio Lower Upper

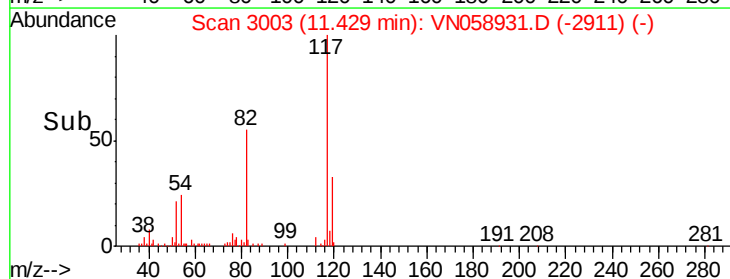
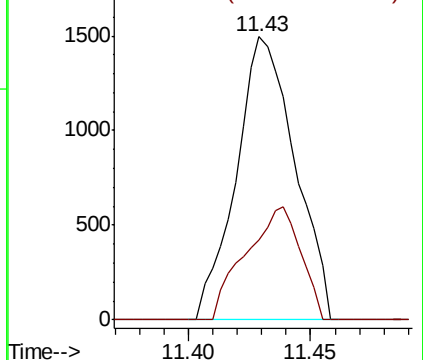
112 100

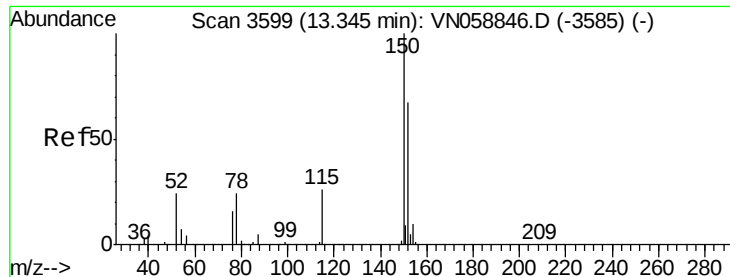
114 28.1 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



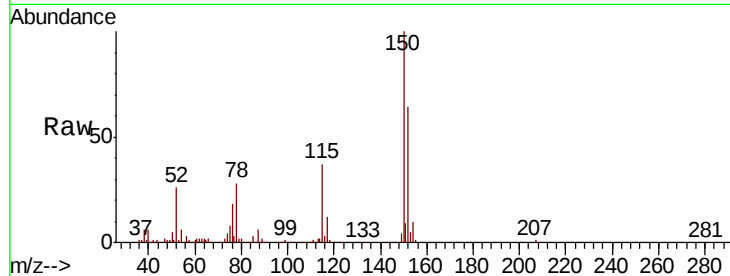


#72

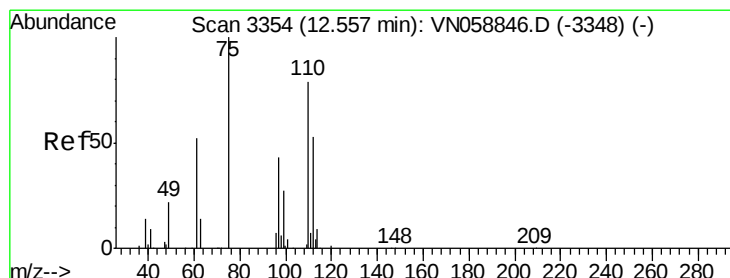
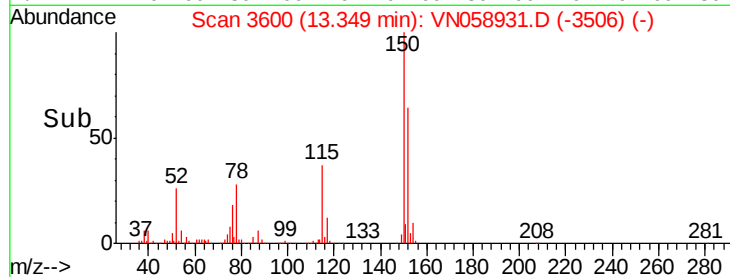
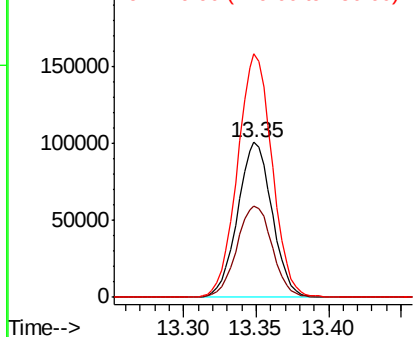
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058931.D
Acq: 23 Oct 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 166478
Ion Ratio Lower Upper
152 100
115 60.5 30.5 91.5
150 158.1 0.0 344.4



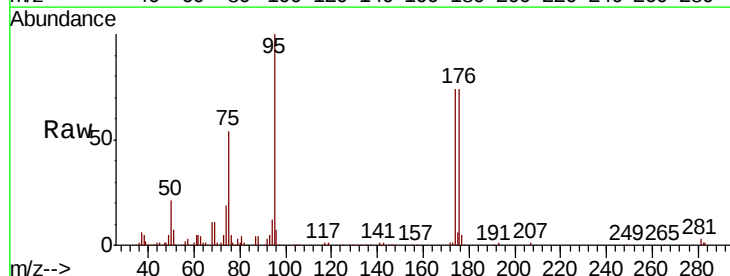
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



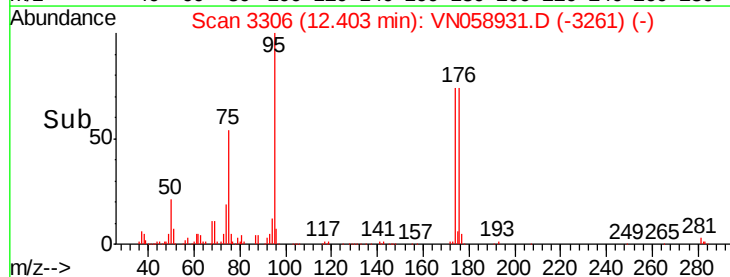
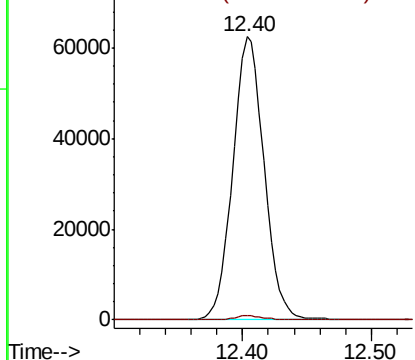
#76

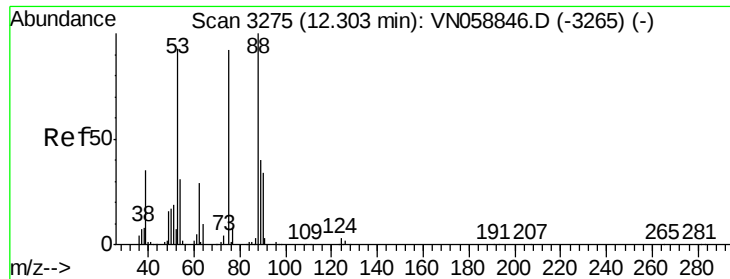
1,2,3-Trichloropropane
Concen: 27.261 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN058931.D
Acq: 23 Oct 2019 15:46

Tgt Ion: 75 Resp: 105181
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

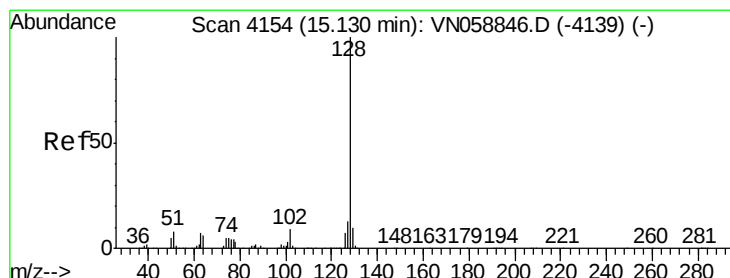
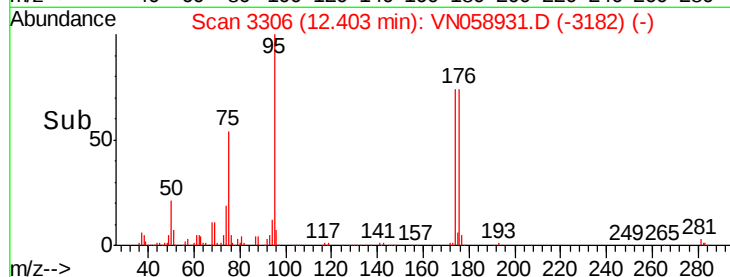
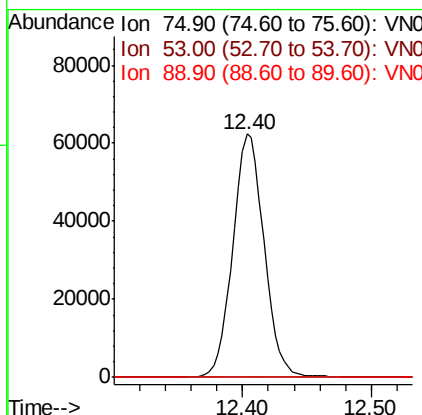
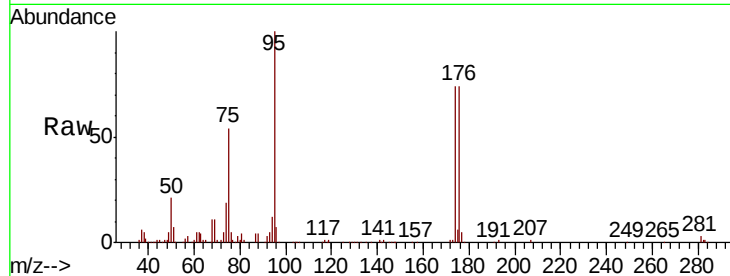




#81
trans-1,4-Dichloro-2-butene
Concen: 71.017 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058931.D
Acq: 23 Oct 2019 15:46

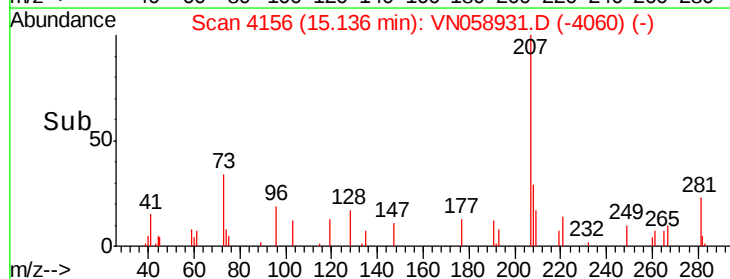
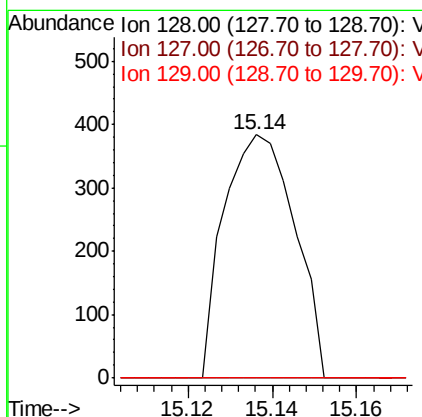
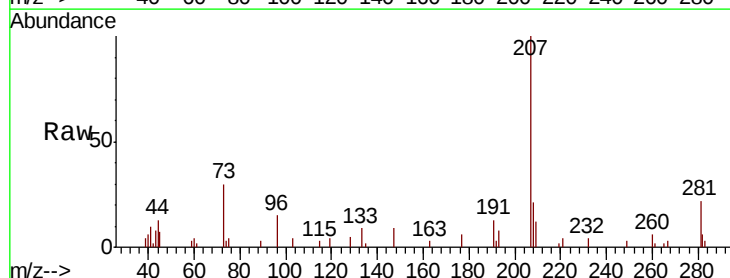
Instrument :
MSVOA_N
ClientSampled :

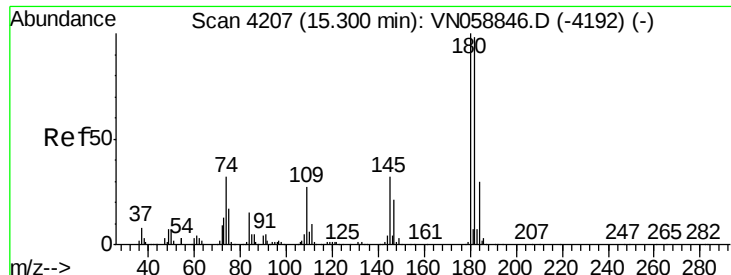
Tot Ion: 75 Resp: 105181
Ion Ratio Lower Upper
75 100
53 0.0 78.6 118.0#
89 0.0 35.4 53.0#



#95
Naphthalene
Concen: 2.270 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN058931.D
Acq: 23 Oct 2019 15:46

Tgt Ion: 128 Resp: 448
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.4 12.6#

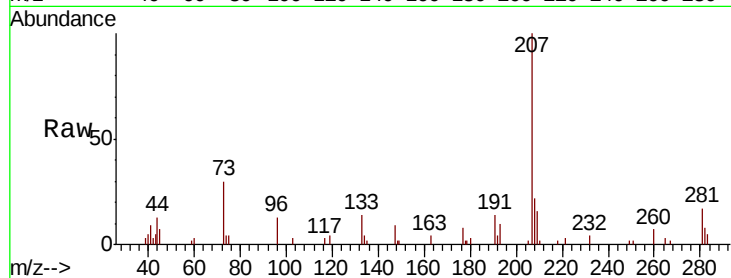




#96
 1,2,3-Trichlorobenzene
 Concen: 2.461 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058931.D
 Acq: 23 Oct 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :

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

