

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058929.D
 Acq On : 23 Oct 2019 15:02
 Operator : JC/SP
 Sample : K5486-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 01:13:30 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	300100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	505089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	448685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	171954	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	241001	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
35) Dibromofluoromethane	7.57	113	169937	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
50) Toluene-d8	10.09	98	605358	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	12.40	95	195324	41.26	ug/l	0.00
Spiked Amount			Recovery	=	82.52%	

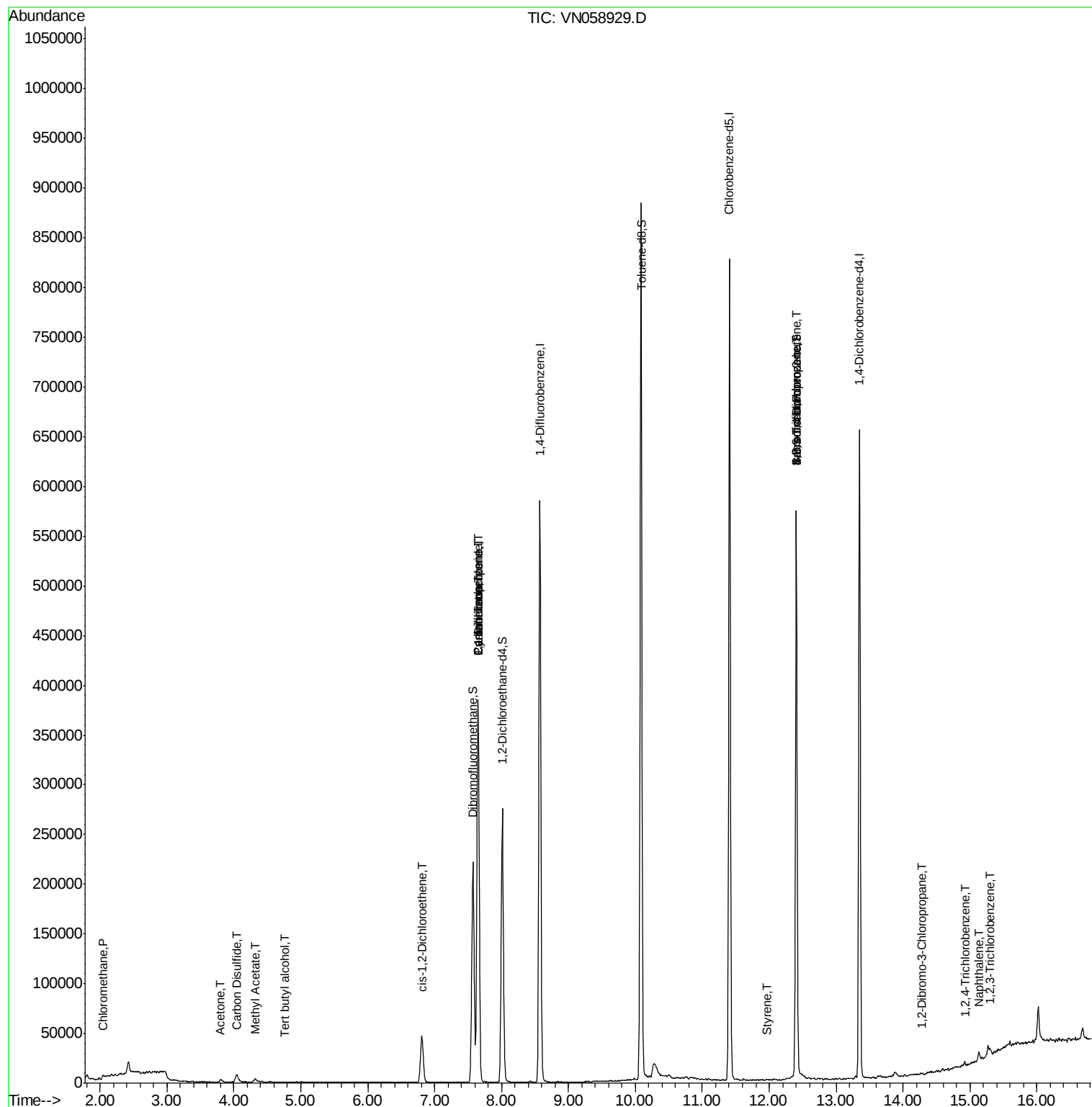
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1744	0.376	ug/l	99
11) Tert butyl alcohol	4.76	59	195	0.267	ug/l #	72
16) Acetone	3.80	43	4041	1.858	ug/l	99
17) Carbon Disulfide	4.04	76	2378	0.250	ug/l #	75
18) Methyl Acetate	4.31	43	5550	1.122	ug/l #	90
27) cis-1,2-Dichloroethene	6.81	96	29182	7.819	ug/l	88
31) Cyclohexane	7.65	56	7294	1.153	ug/l #	4
36) 1,1-Dichloropropene	7.65	75	25934	5.015	ug/l #	50
38) Carbon Tetrachloride	7.65	117	30989	5.817	ug/l #	17
70) Styrene	11.96	104	247	1.736	ug/l #	24
71) Bromoform	12.40	173	1227	0.459	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	103518	25.975	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	103518	67.668	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.29	75	324	0.324	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.92	180	1434	2.918	ug/l	90
95) Naphthalene	15.14	128	5805	2.789	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.30	180	1973	2.957	ug/l	86

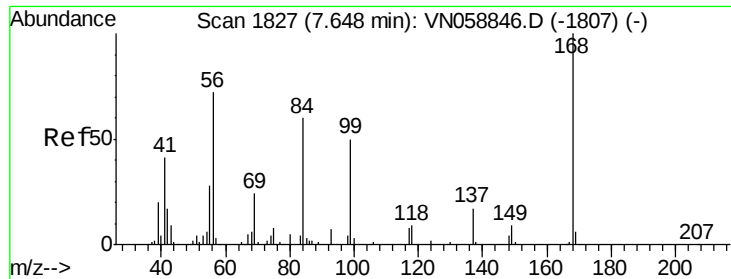
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1828

Delta R.T. 0.00 min

Lab File: VN058929.D

Acq: 23 Oct 2019 15:02

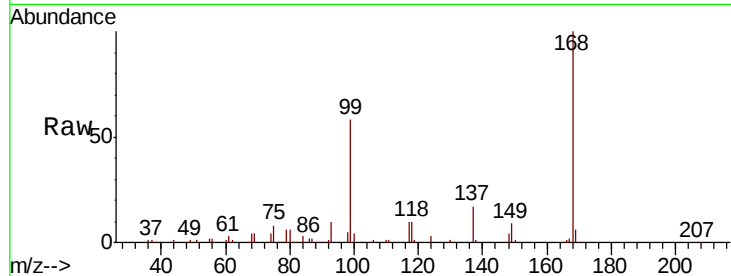
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 300100

Ion Ratio Lower Upper

168 100

99 57.9 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

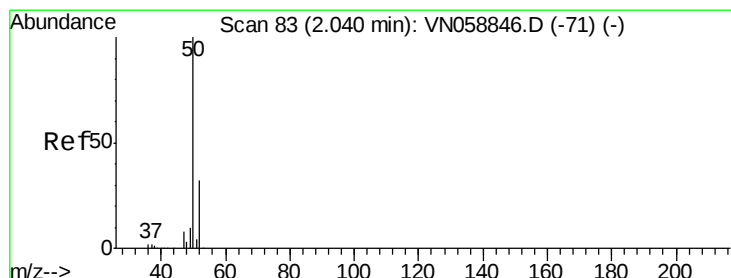
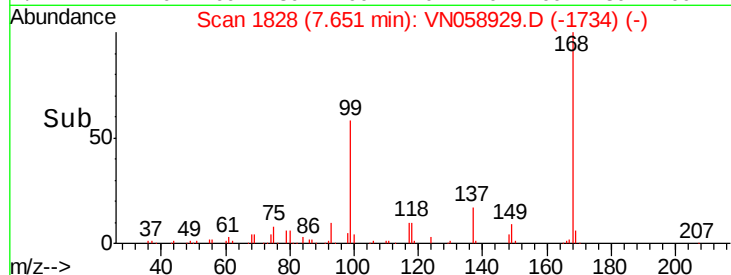
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.376 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058929.D

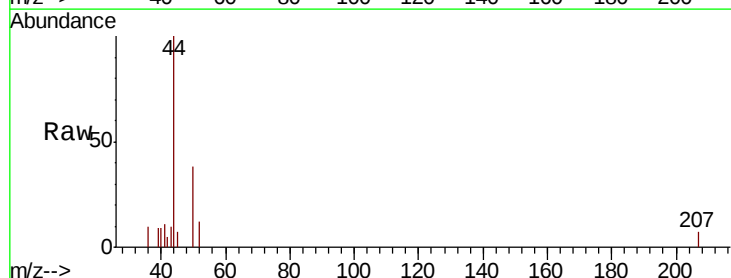
Acq: 23 Oct 2019 15:02

Tgt Ion: 50 Resp: 1744

Ion Ratio Lower Upper

50 100

52 31.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

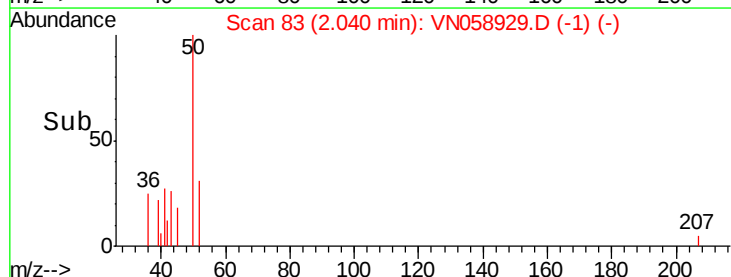
1500

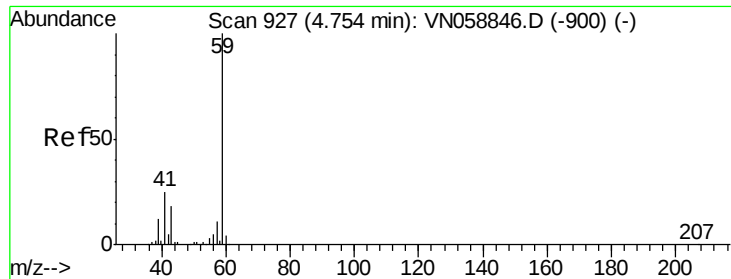
1000

500

0

Time-->



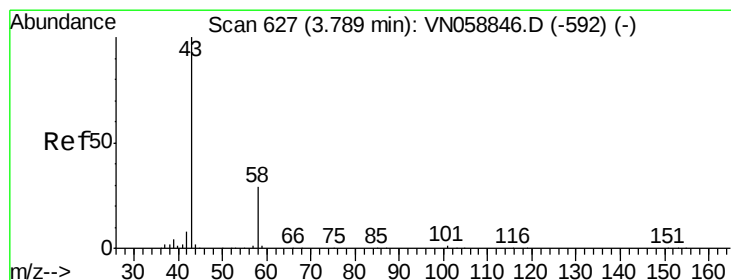
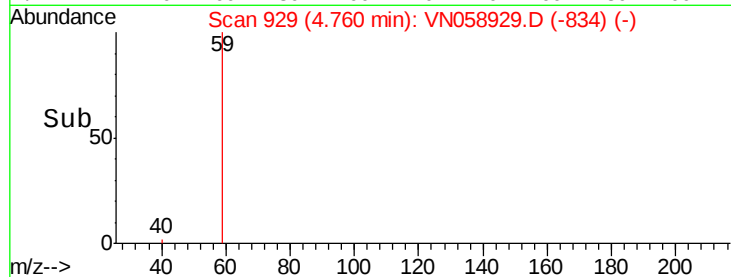
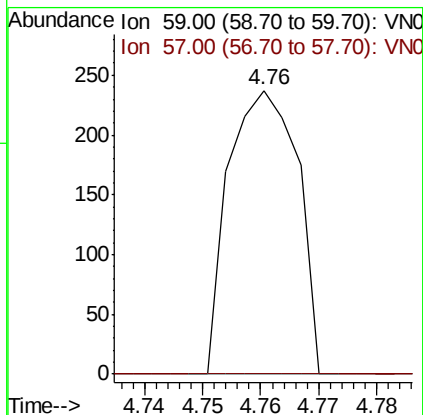
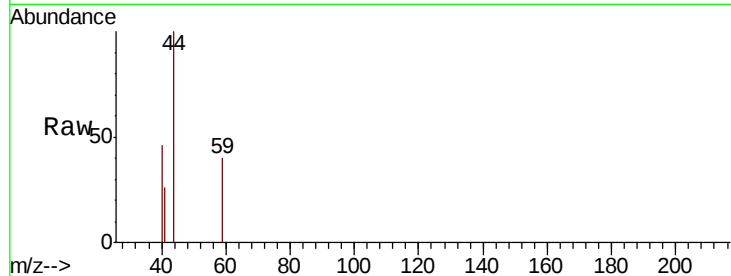


#11

Tert butyl alcohol
Concen: 0.267 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN058929.D
Acq: 23 Oct 2019 15:02

Instrument :
MSVOA_N
ClientSampled :

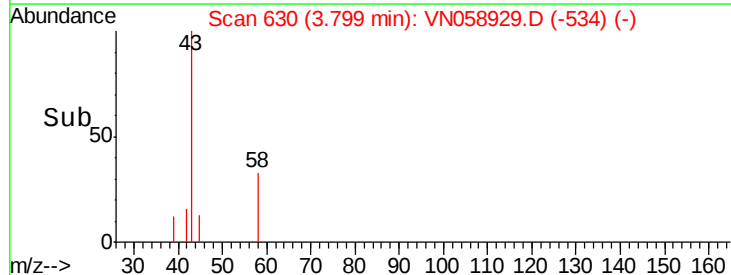
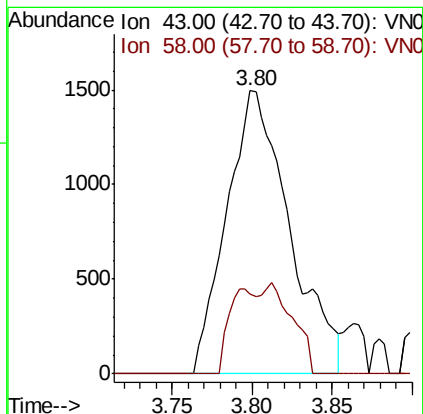
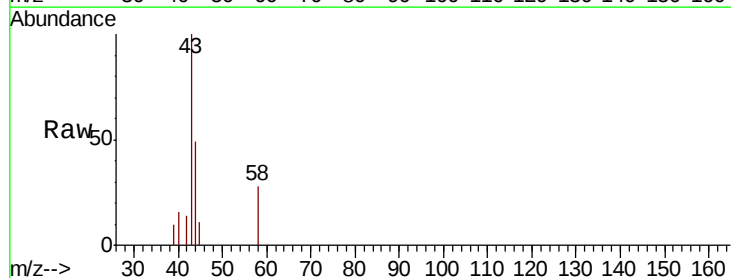
Tot Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

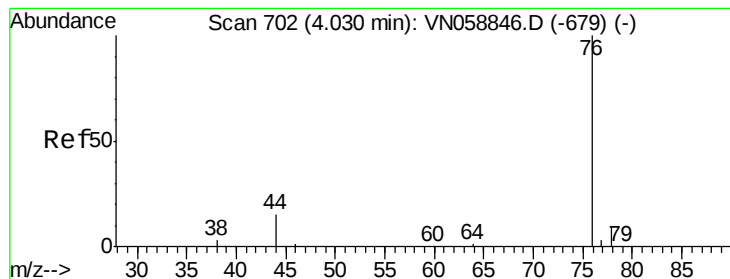


#16

Acetone
Concen: 1.858 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.01 min
Lab File: VN058929.D
Acq: 23 Oct 2019 15:02

Tgt Ion: 43 Resp: 4041
Ion Ratio Lower Upper
43 100
58 28.3 23.1 34.7





#17

Carbon Disulfide

Concen: 0.250 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN058929.D

Acq: 23 Oct 2019 15:02

Instrument :

MSVOA_N

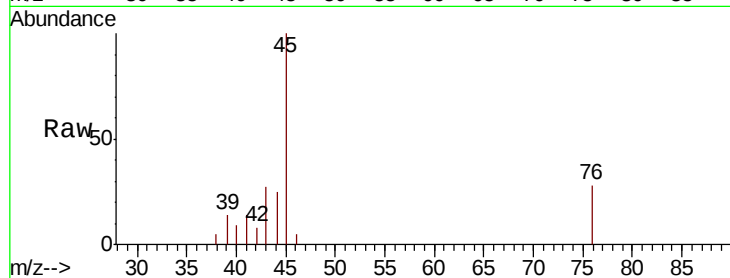
ClientSampleId :

Tot Ion: 76 Resp: 2378

Ion Ratio Lower Upper

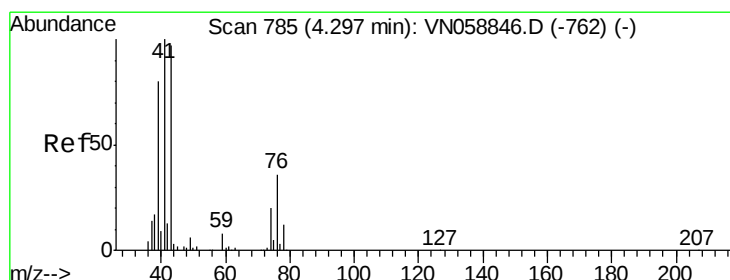
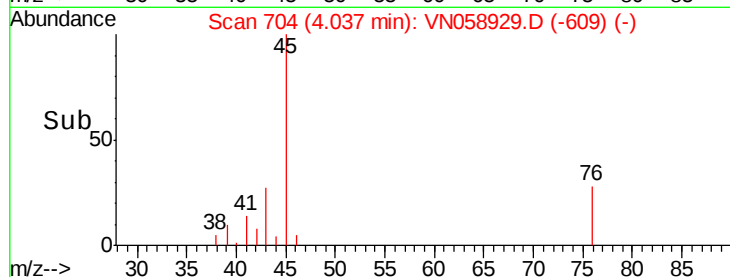
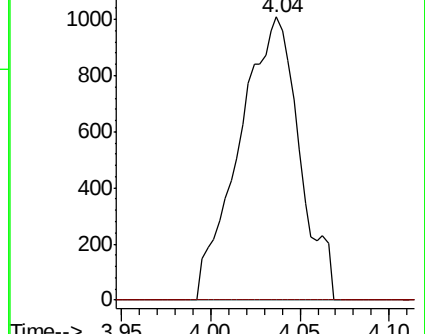
76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.122 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.02 min

Lab File: VN058929.D

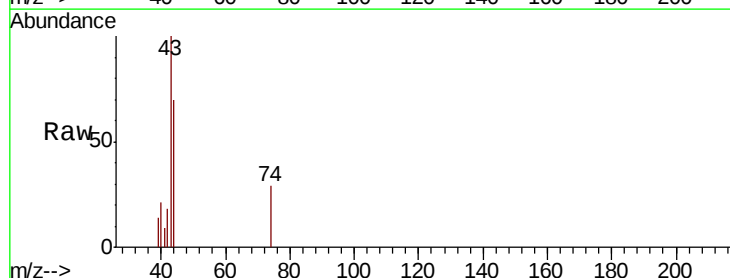
Acq: 23 Oct 2019 15:02

Tgt Ion: 43 Resp: 5550

Ion Ratio Lower Upper

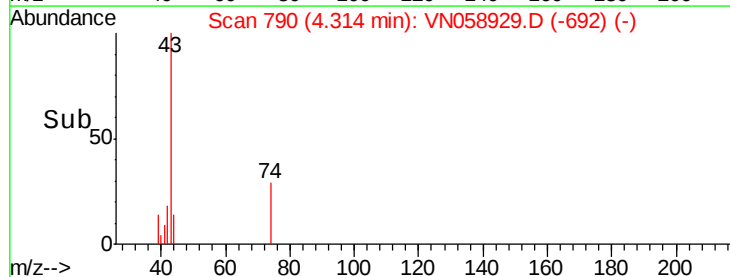
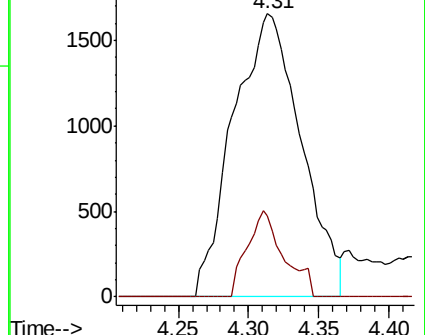
43 100

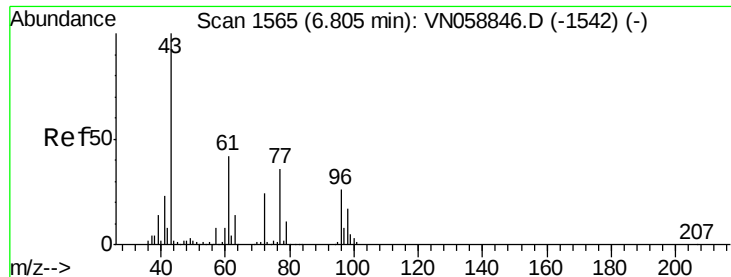
74 16.5 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 7.819 ug/l

RT: 6.81 min Scan# 1565

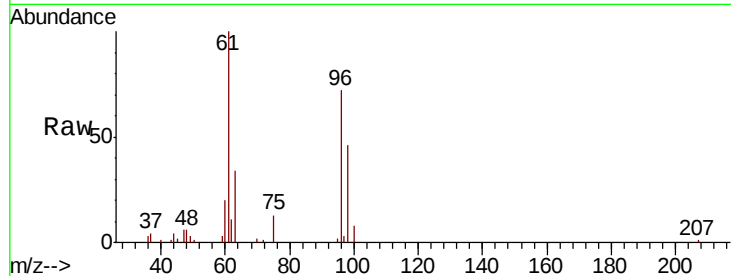
Delta R.T. 0.00 min

Lab File: VN058929.D

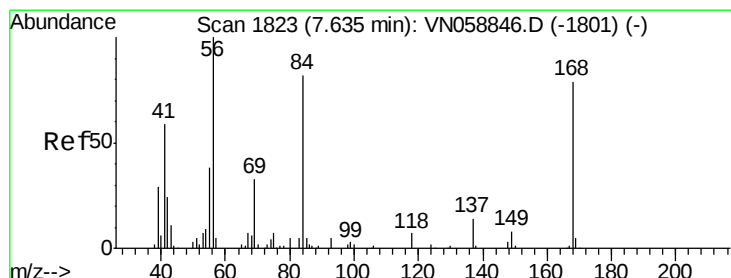
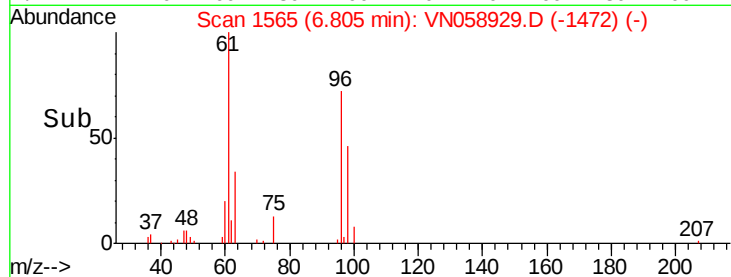
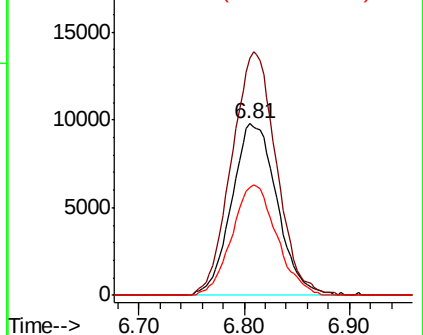
Acq: 23 Oct 2019 15:02

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	96	Resp:	29182
Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	325.0
98	63.5	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: 1.153 ug/l

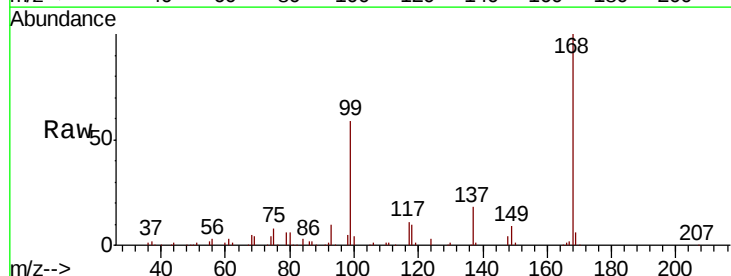
RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

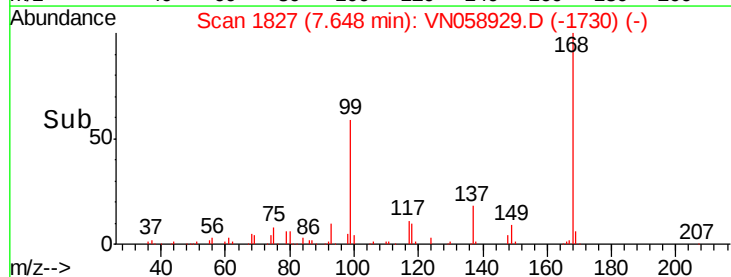
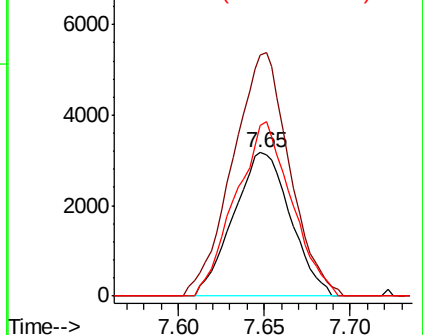
Lab File: VN058929.D

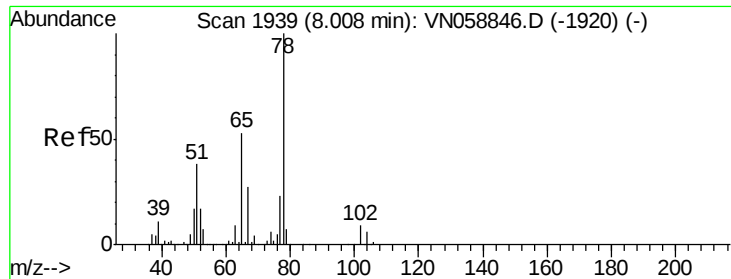
Acq: 23 Oct 2019 15:02

Tgt Ion:	56	Resp:	7294
Ion	Ratio	Lower	Upper
56	100		
69	162.6	26.2	39.4#
84	119.2	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

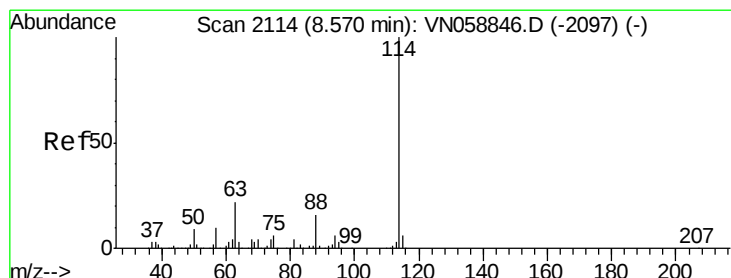
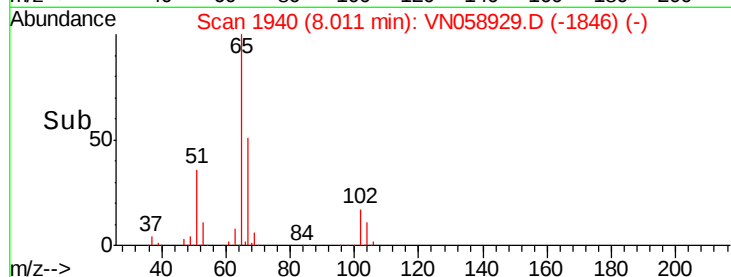
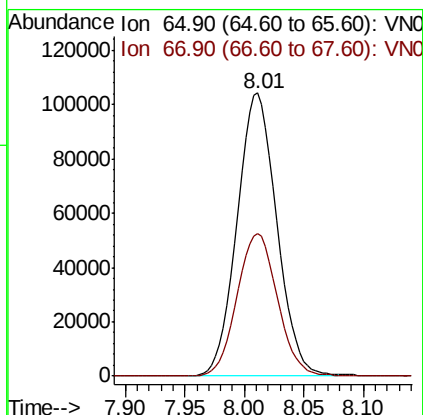
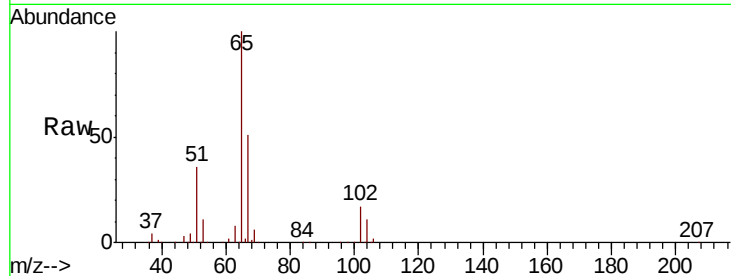




#33
 1,2-Dichloroethane-d4
 Concen: 54.755 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058929.D
 Acq: 23 Oct 2019 15:02

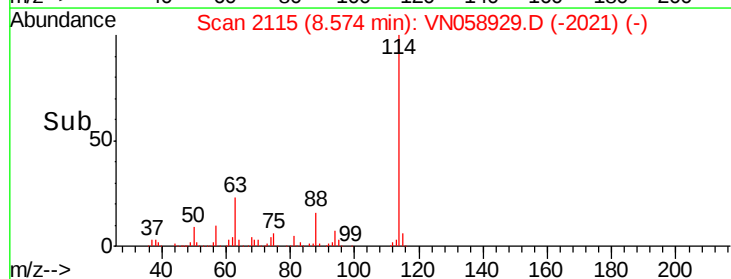
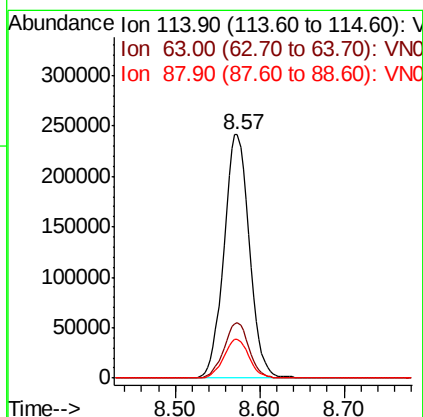
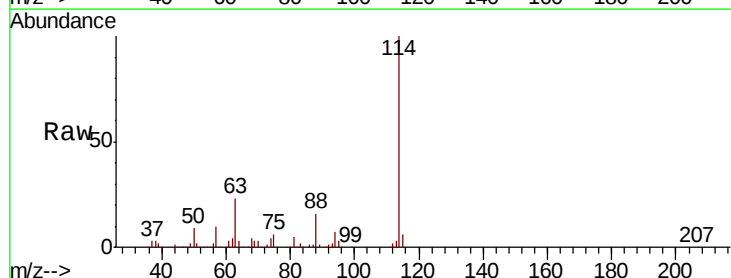
Instrument :
 MSVOA_N
 ClientSampled :

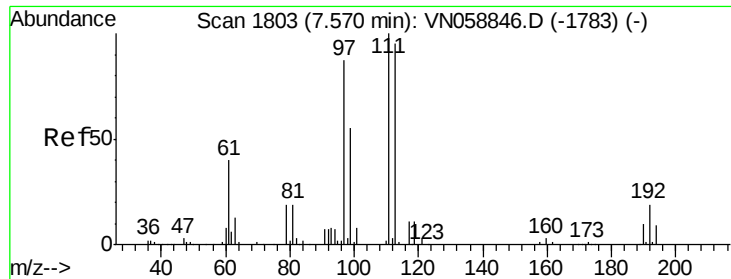
Tot Ion: 65 Resp: 241001
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058929.D
 Acq: 23 Oct 2019 15:02

Tgt Ion: 114 Resp: 505089
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 44.4
 88 15.7 0.0 31.4

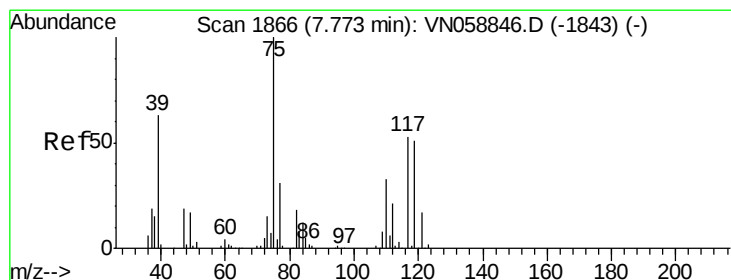
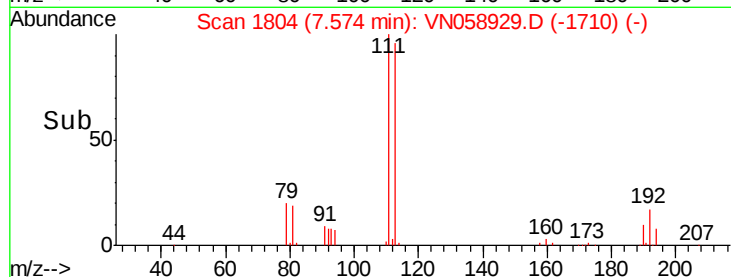
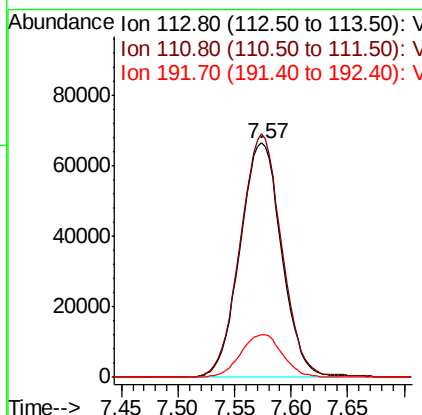
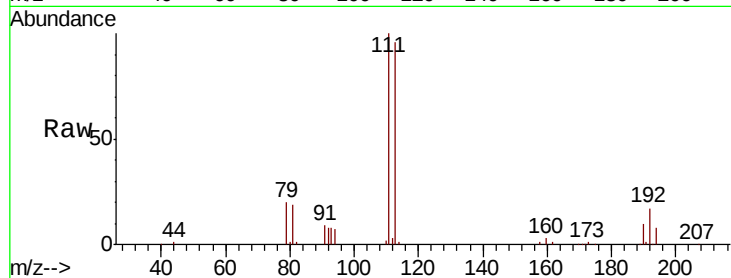




#35
 Dibromofluoromethane
 Concen: 51.173 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058929.D
 Acq: 23 Oct 2019 15:02

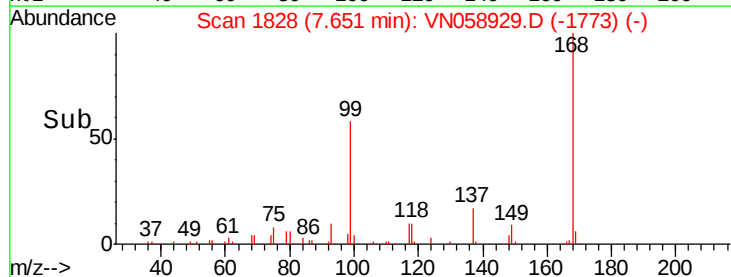
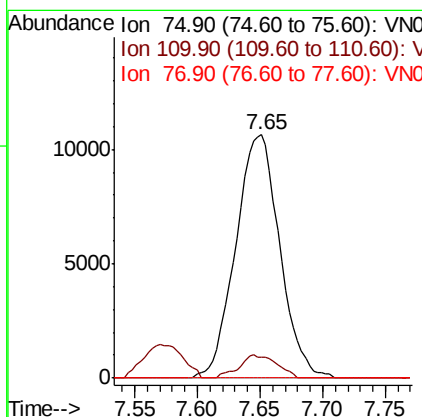
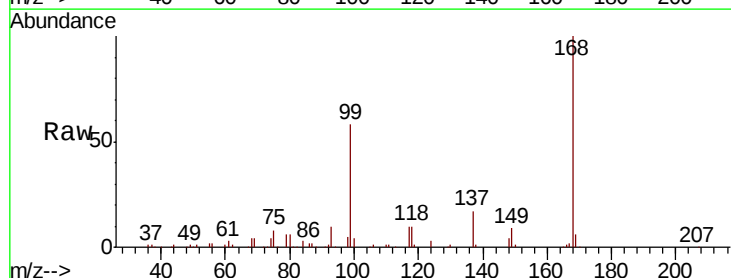
Instrument :
 MSVOA_N
 ClientSampleId :

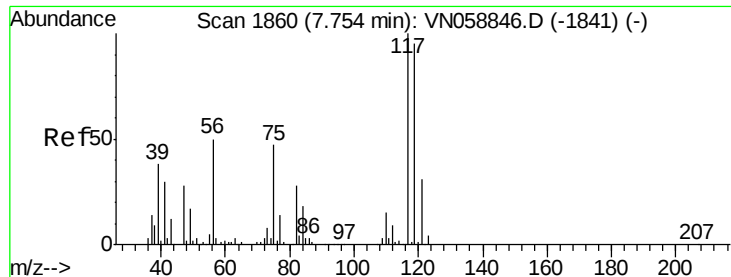
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	18.4	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.015 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN058929.D
 Acq: 23 Oct 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.3	48.9#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.817 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058929.D

Acq: 23 Oct 2019 15:02

Instrument :

MSVOA_N

ClientSampled :

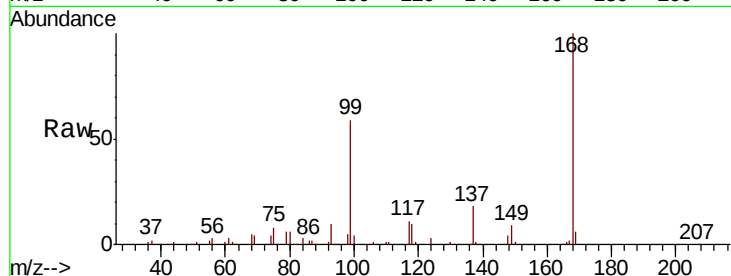
Tot Ion:117 Resp: 30989

Ion Ratio Lower Upper

117 100

119 6.1 75.7 113.5#

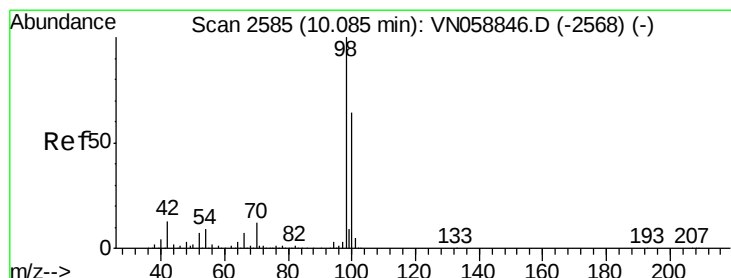
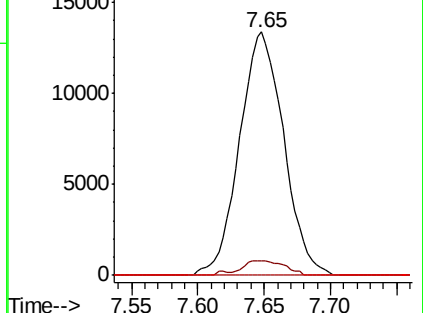
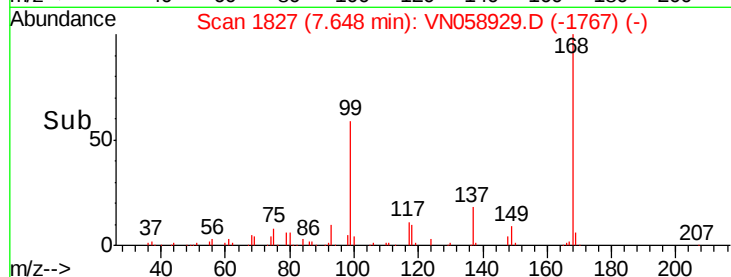
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 46.960 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058929.D

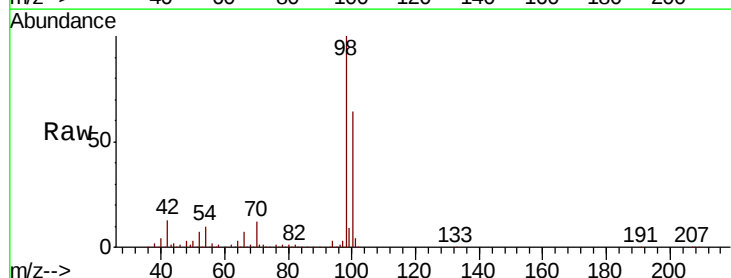
Acq: 23 Oct 2019 15:02

Tgt Ion: 98 Resp: 605358

Ion Ratio Lower Upper

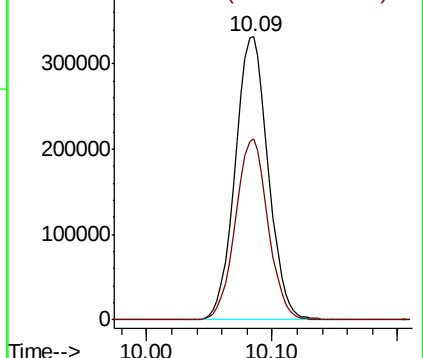
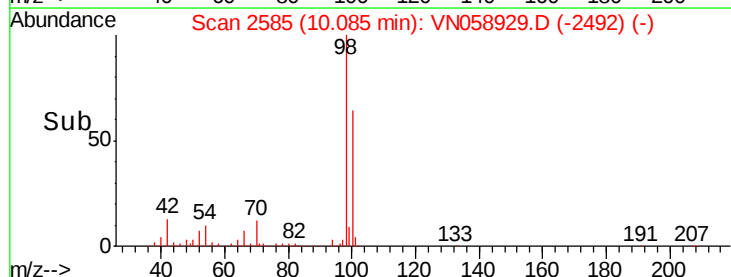
98 100

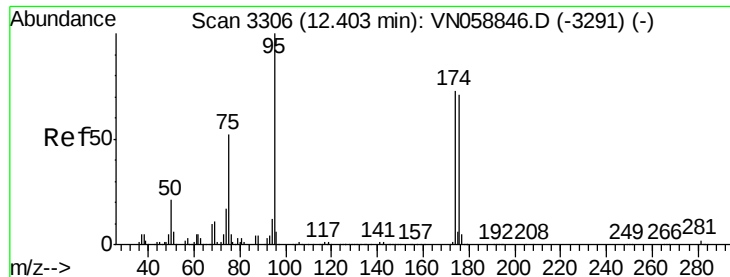
100 63.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 41.261 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058929.D

Acq: 23 Oct 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

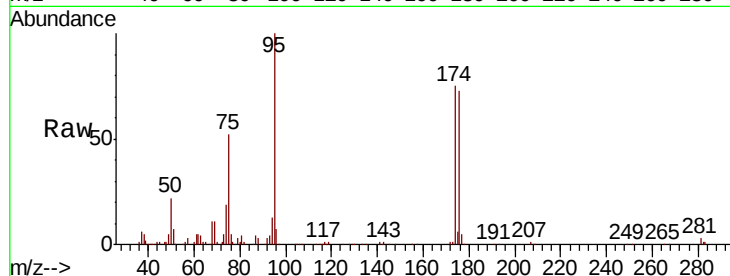
Tot Ion: 95 Resp: 195324

Ion Ratio Lower Upper

95 100

174 75.9 0.0 147.6

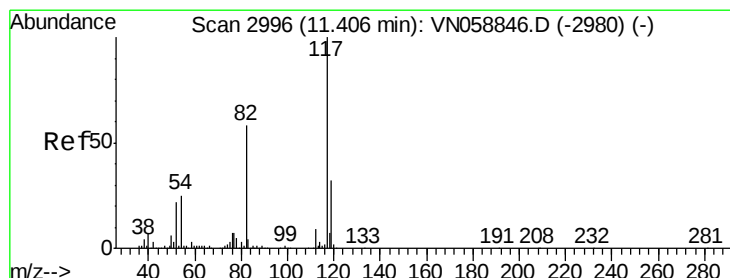
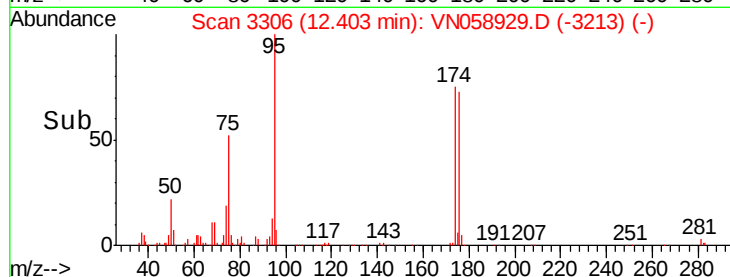
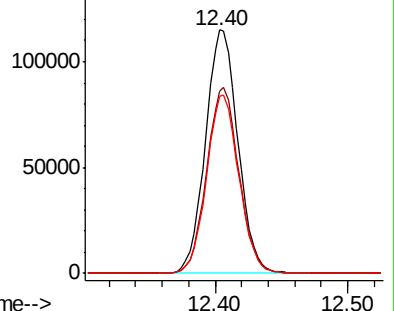
176 72.9 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058846.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058846.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058929.D

Acq: 23 Oct 2019 15:02

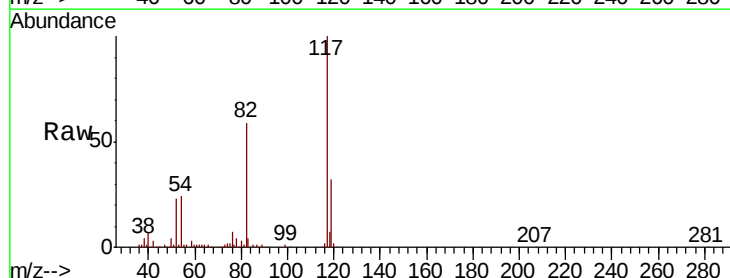
Tgt Ion: 117 Resp: 448685

Ion Ratio Lower Upper

117 100

82 59.3 46.6 69.8

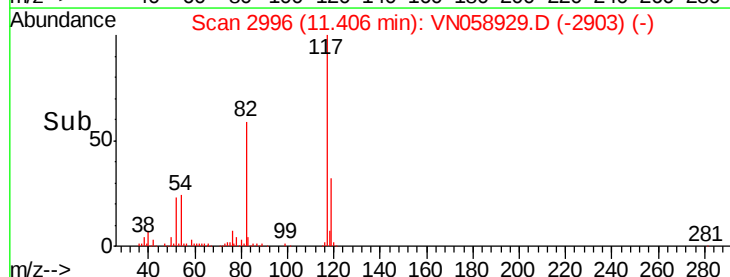
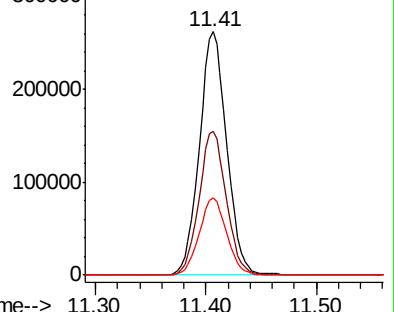
119 31.5 25.6 38.4

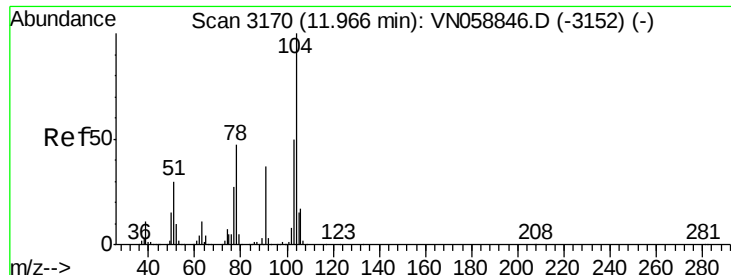


Abundance Ion 116.90 (116.60 to 117.60): VN058846.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058846.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058846.D (-2980) (-)





#70

Stvrene

Concen: 1.736 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN058929.D

Acq: 23 Oct 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

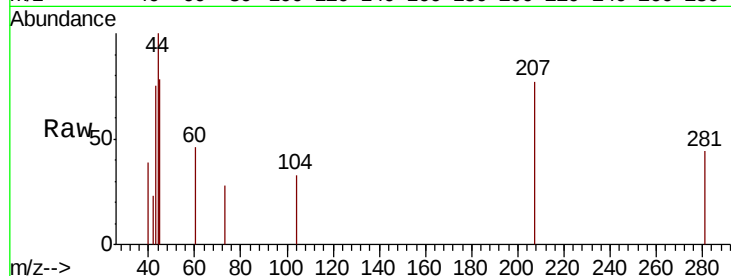
Tot Ion:104 Resp: 247

Ion Ratio Lower Upper

104 100

78 0.0 42.8 64.2#

103 0.0 44.3 66.5#

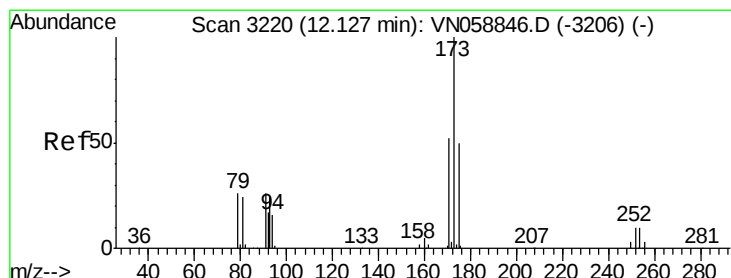
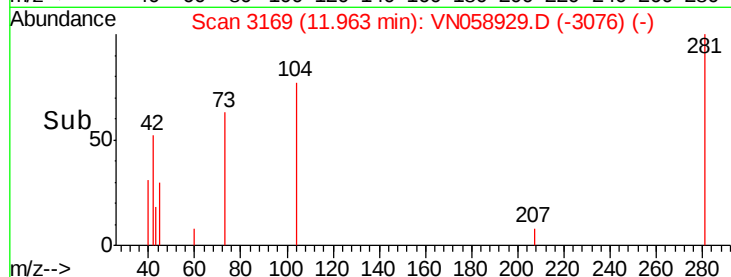


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

Time--> 11.94 11.96 11.98



#71

Bromoform

Concen: 0.459 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN058929.D

Acq: 23 Oct 2019 15:02

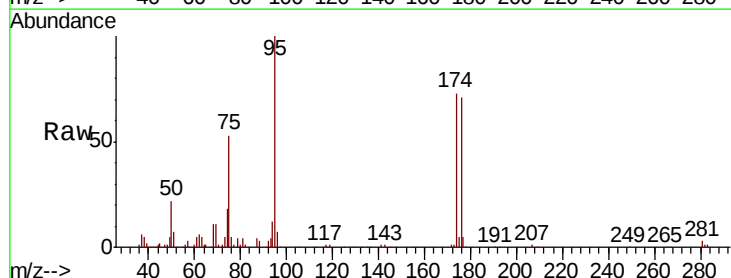
Tgt Ion:173 Resp: 1227

Ion Ratio Lower Upper

173 100

175 712.0 24.7 74.1#

254 0.0 0.0 0.0

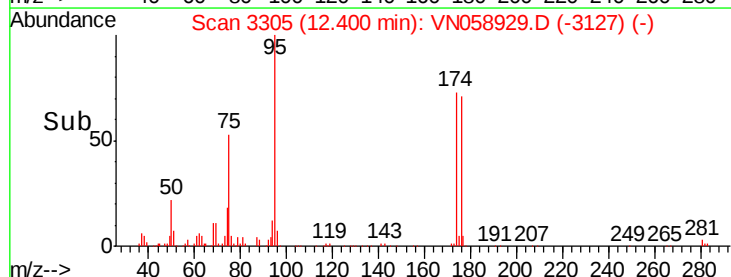


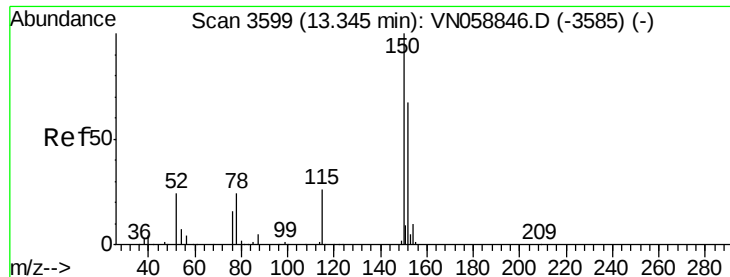
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time--> 12.36 12.38 12.40 12.42





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058929.D

Acq: 23 Oct 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

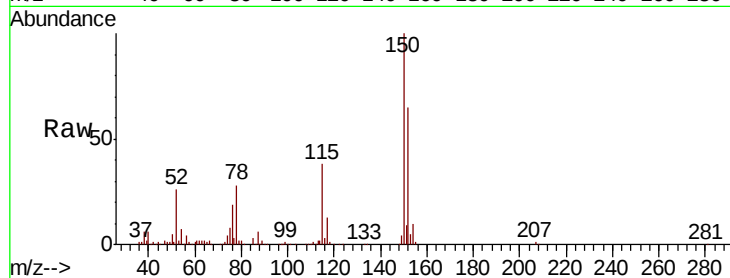
Tot Ion:152 Resp: 171954

Ion Ratio Lower Upper

152 100

115 59.1 30.5 91.5

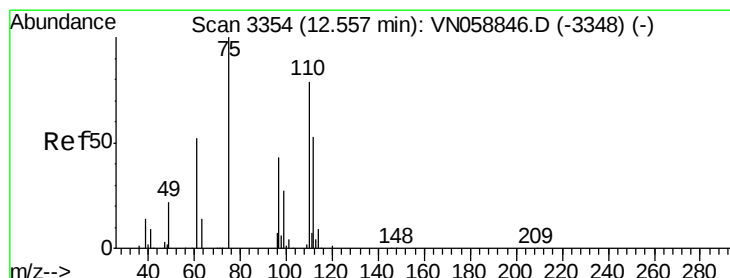
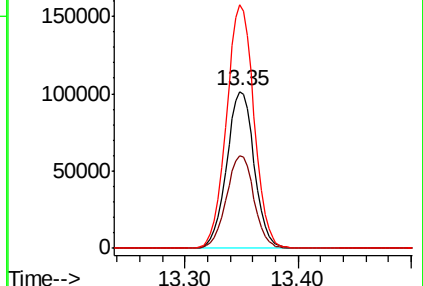
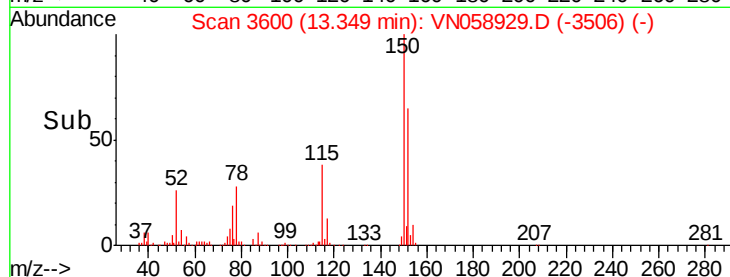
150 154.9 0.0 344.4



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: 25.975 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058929.D

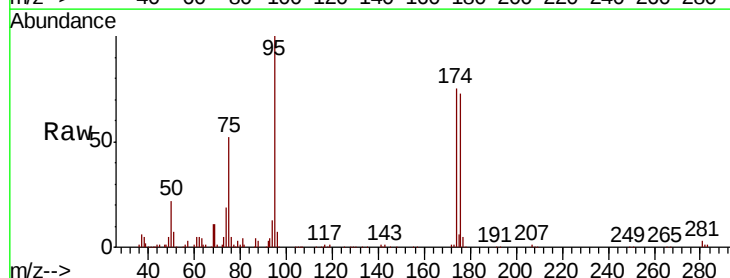
Acq: 23 Oct 2019 15:02

Tgt Ion: 75 Resp: 103518

Ion Ratio Lower Upper

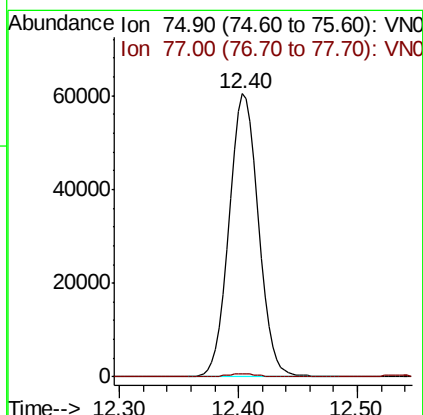
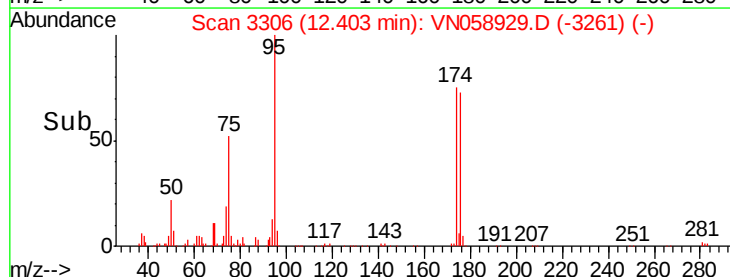
75 100

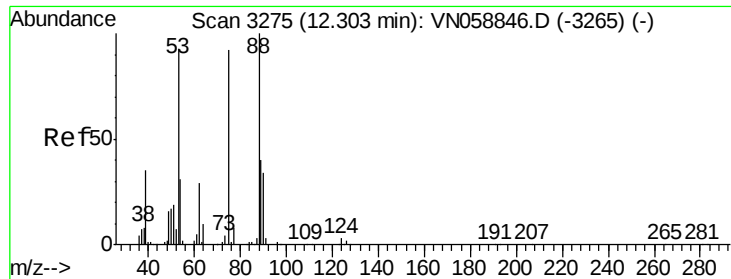
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

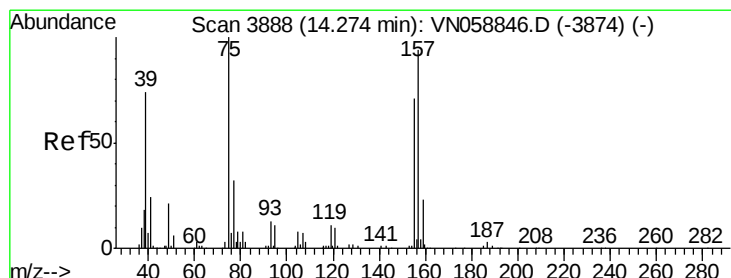
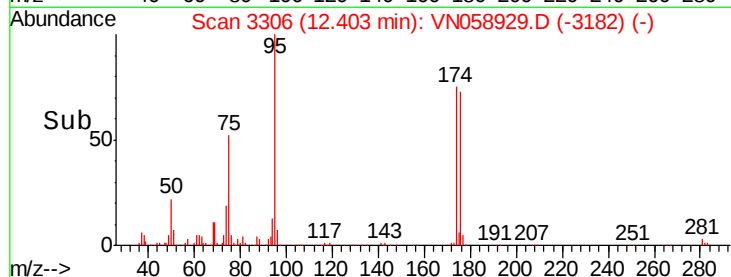
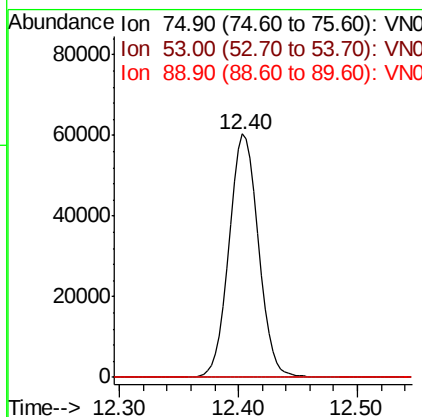
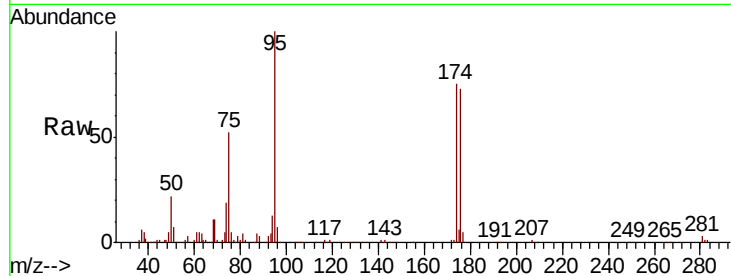




#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.668 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN058929.D
 Acq: 23 Oct 2019 15:02

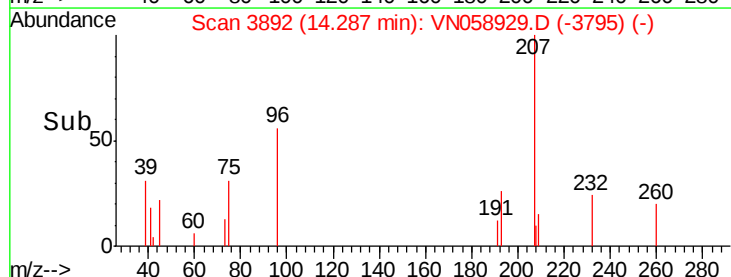
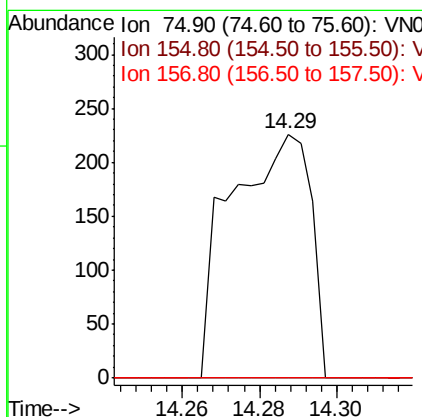
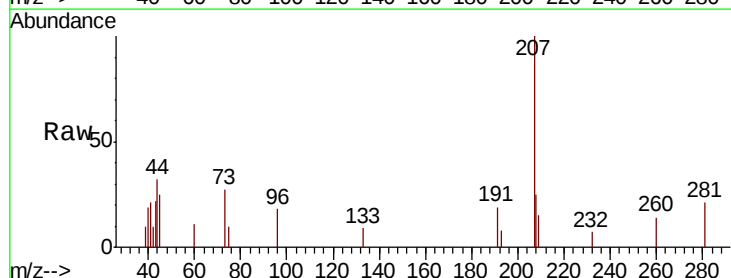
Instrument :
 MSVOA_N
 ClientSampled :

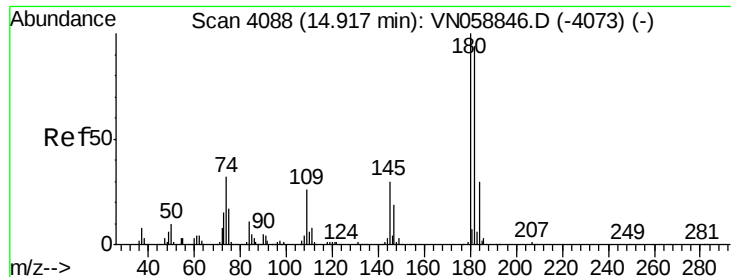
Tot Ion: 75 Resp: 103518
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 118.0#
 89 0.0 35.4 53.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.324 ug/l
 RT: 14.29 min Scan# 3892
 Delta R.T. 0.01 min
 Lab File: VN058929.D
 Acq: 23 Oct 2019 15:02

Tgt Ion: 75 Resp: 324
 Ion Ratio Lower Upper
 75 100
 155 0.0 35.6 106.8#
 157 0.0 47.4 142.2#

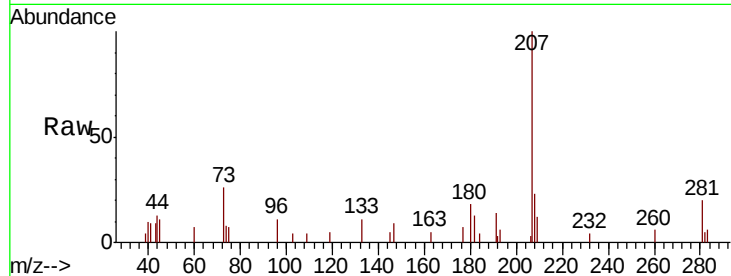




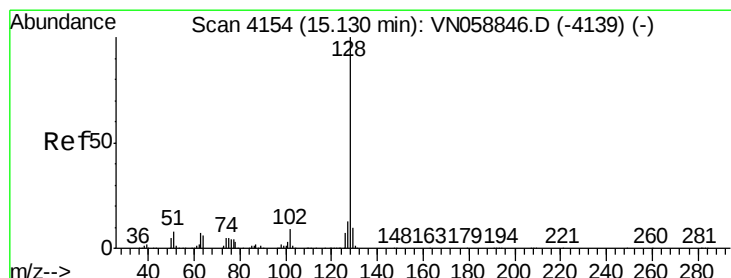
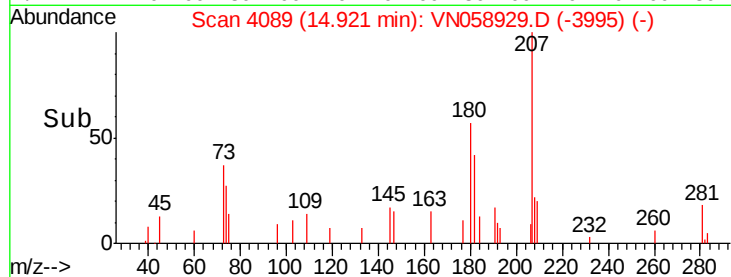
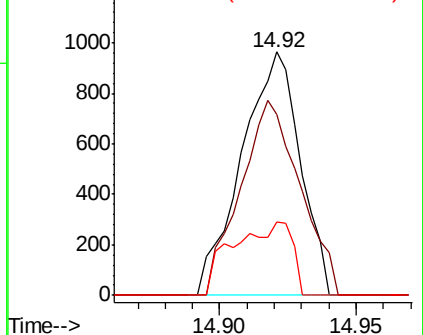
#93
 1,2,4-Trichlorobenzene
 Concen: 2.918 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058929.D
 Acq: 23 Oct 2019 15:02

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1434
 Ion Ratio Lower Upper
 180 100
 182 81.7 47.3 142.0
 145 30.2 15.3 45.8

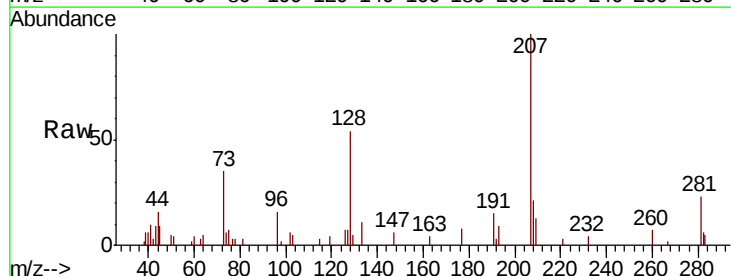


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

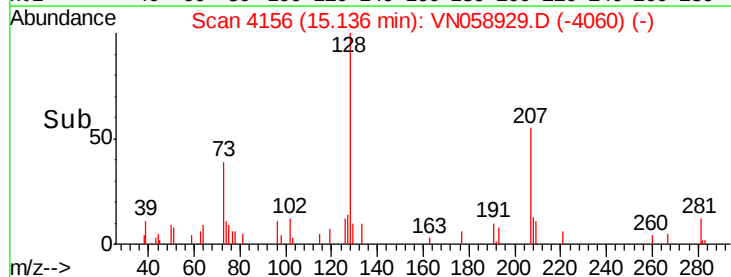
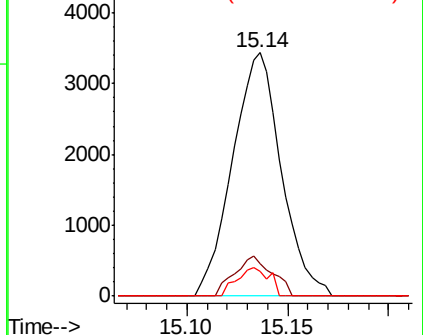


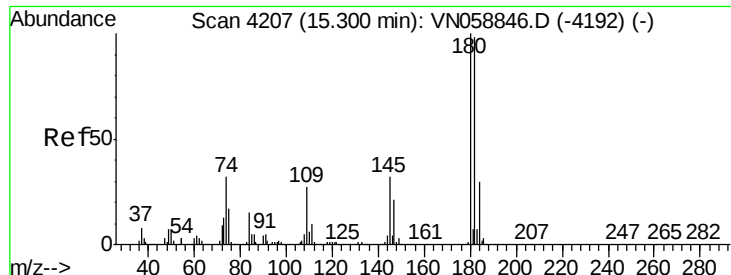
#95
 Naphthalene
 Concen: 2.789 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN058929.D
 Acq: 23 Oct 2019 15:02

Tgt Ion:128 Resp: 5805
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.2 15.2
 129 7.8 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

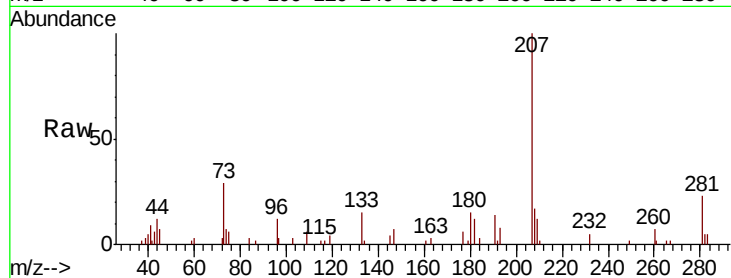




#96
 1,2,3-Trichlorobenzene
 Concen: 2.957 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058929.D
 Acq: 23 Oct 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	83.1	47.9	143.7
145	22.3	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

