

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058589.D
 Acq On : 7 Oct 2019 23:46
 Operator : JC/SP
 Sample : K5197-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 14:10:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

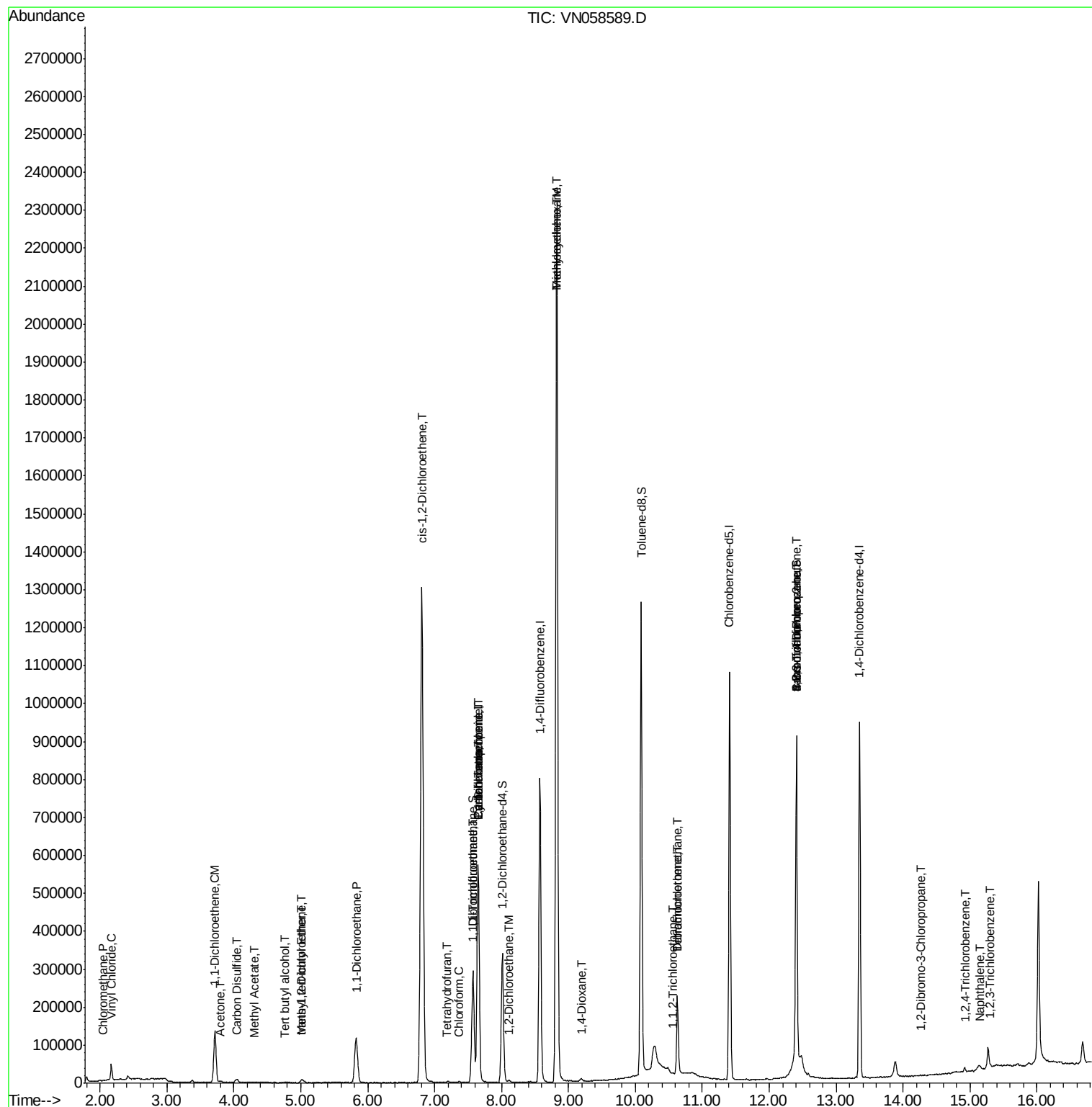
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	459316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	710026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	618326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	245669	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	299646	44.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.28%	
35) Dibromofluoromethane	7.57	113	214823	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	10.08	98	879394	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.41	95	288488	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	2208	0.399	ug/l	94
4) Vinyl Chloride	2.17	62	37276	6.872	ug/l	98
11) Tert butyl alcohol	4.77	59	360	0.483	ug/l #	71
12) 1,1-Dichloroethene	3.72	96	68314	15.766	ug/l	93
16) Acetone	3.80	43	6968	3.045	ug/l	96
17) Carbon Disulfide	4.03	76	5270	0.461	ug/l	99
18) Methyl Acetate	4.31	43	1343	0.233	ug/l #	53
19) Methyl tert-butyl Ether	5.02	73	4646	0.304	ug/l	94
21) trans-1,2-Dichloroethene	5.02	96	4337	0.900	ug/l #	94
24) 1,1-Dichloroethane	5.83	63	185330	19.407	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	848089	150.598	ug/l	89
29) Tetrahydrofuran	7.19	42	831	0.417	ug/l #	88
30) Chloroform	7.36	83	2502	0.259	ug/l	92
31) Cyclohexane	7.65	56	10905	1.174	ug/l #	9
32) 1,1,1-Trichloroethane	7.55	97	16933	2.131	ug/l	96
36) 1,1-Dichloropropene	7.65	75	37918	5.585	ug/l #	51
38) Carbon Tetrachloride	7.65	117	45670	7.452	ug/l #	16
39) Methylcyclohexane	8.83	83	10260	1.294	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	4770	0.628	ug/l	84
44) Trichloroethene	8.82	130	845021	175.361	ug/l	100
49) 1,4-Dioxane	9.19	88	4809	72.970	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	1519	0.340	ug/l #	82
60) Dibromochloromethane	10.63	129	42961	8.820	ug/l #	11
64) Tetrachloroethene	10.63	164	46448	11.824	ug/l	97
71) Bromoform	12.41	173	1795	1.313	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	153335	34.172	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	153335	103.784	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.27	75	251	0.265	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.92	180	3655	0.892	ug/l	96
95) Naphthalene	15.14	128	3453	0.259	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.30	180	1713	0.392	ug/l	86

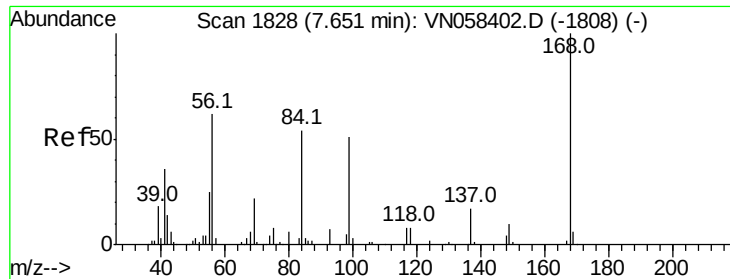
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

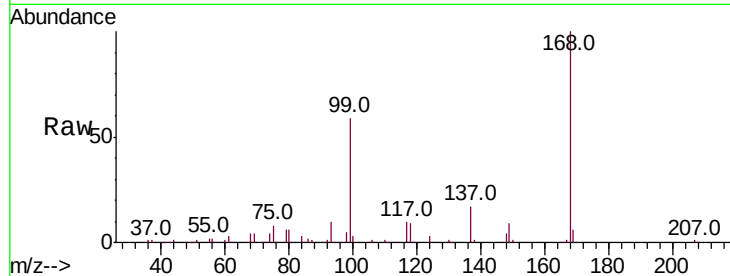
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 459316

Ion Ratio Lower Upper

168 100

99 59.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

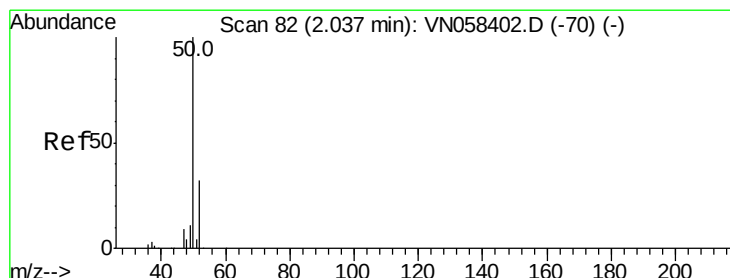
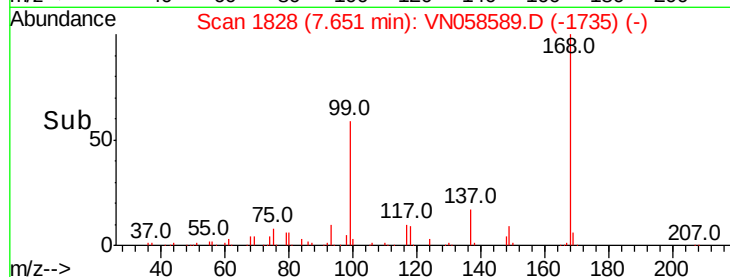
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.399 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058589.D

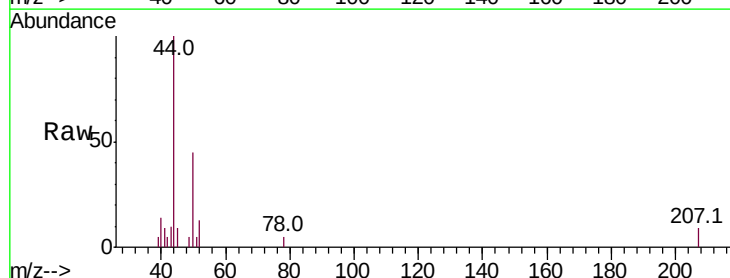
Acq: 7 Oct 2019 23:46

Tgt Ion: 50 Resp: 2208

Ion Ratio Lower Upper

50 100

52 29.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

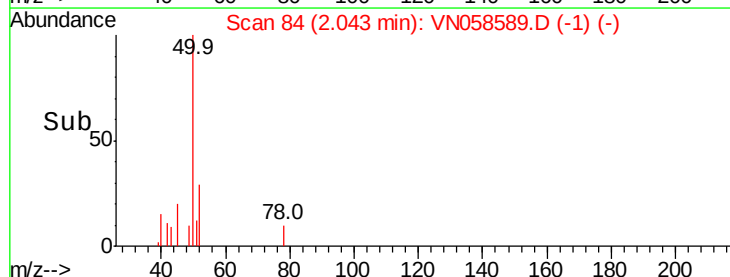
1500

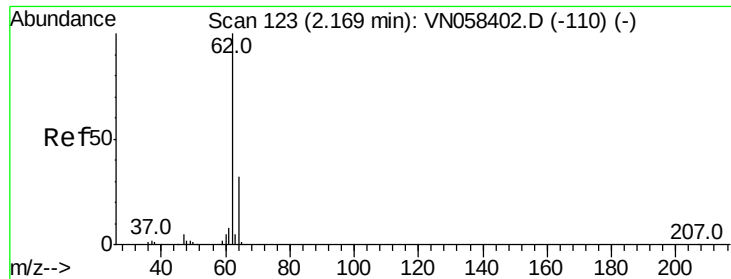
1000

500

0

Time--> 2.00 2.05





#4

Vinyl Chloride

Concen: 6.872 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :

MSVOA_N

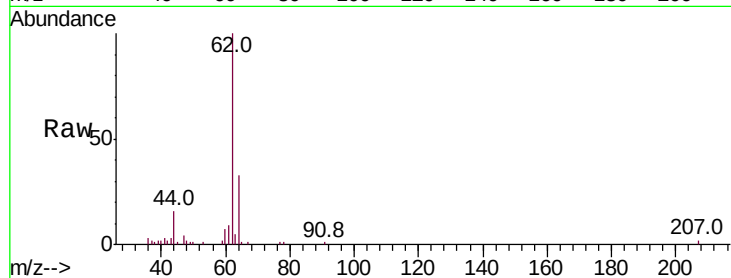
ClientSampleId :

Tot Ion: 62 Resp: 37276

Ion Ratio Lower Upper

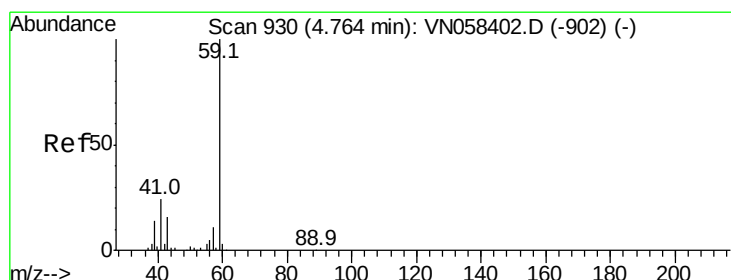
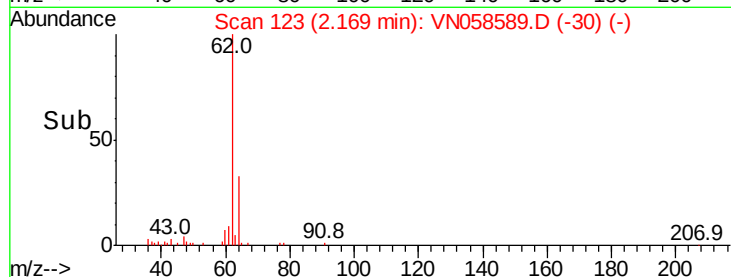
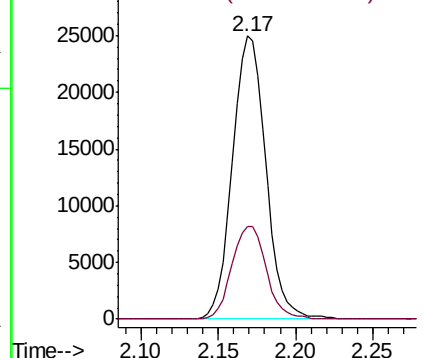
62 100

64 32.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#11

Tert butyl alcohol

Concen: 0.483 ug/l

RT: 4.77 min Scan# 932

Delta R.T. 0.01 min

Lab File: VN058589.D

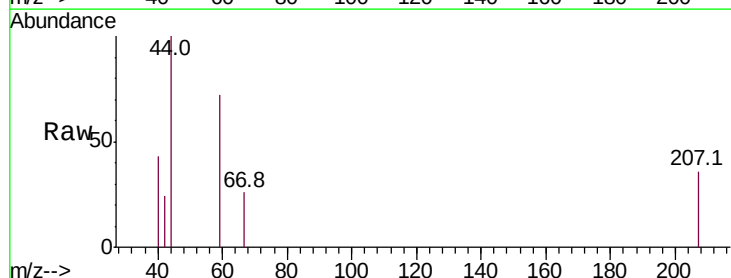
Acq: 7 Oct 2019 23:46

Tgt Ion: 59 Resp: 360

Ion Ratio Lower Upper

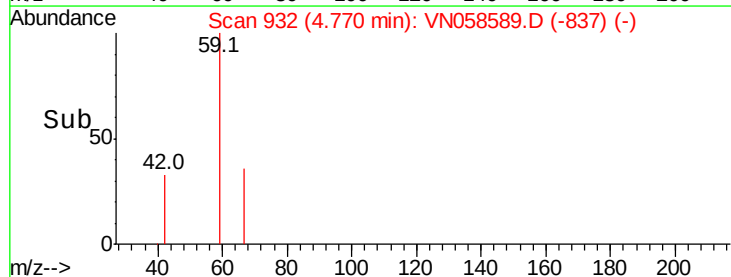
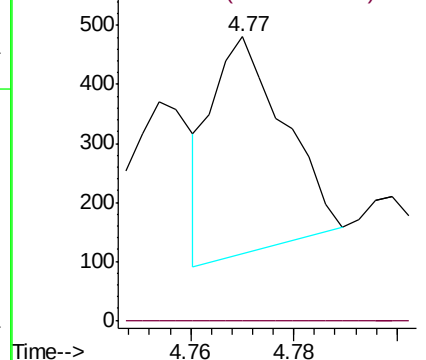
59 100

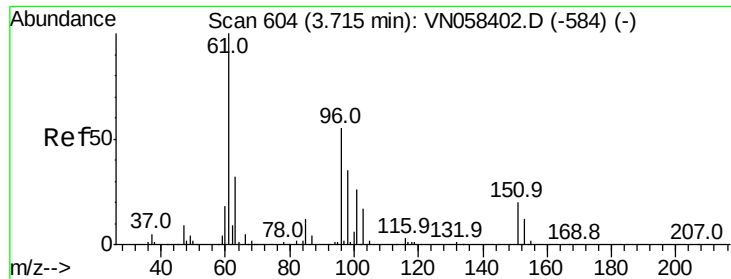
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

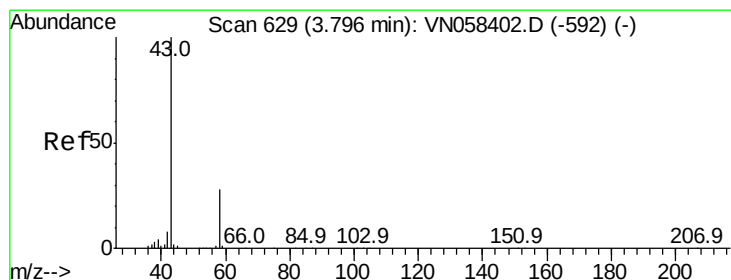
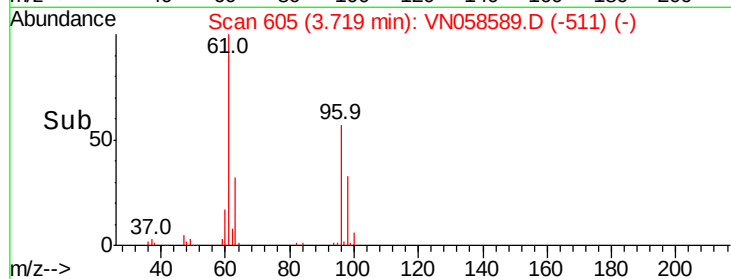
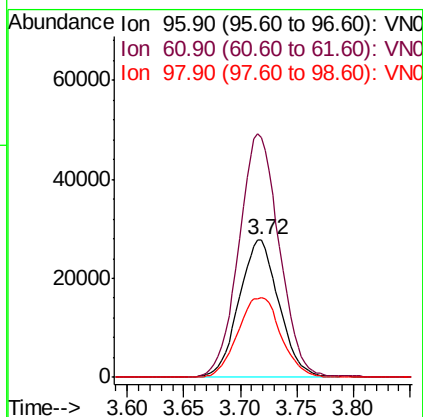
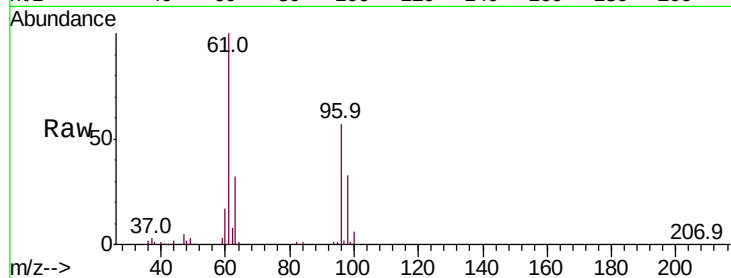




#12
 1,1-Dichloroethene
 Concen: 15.766 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

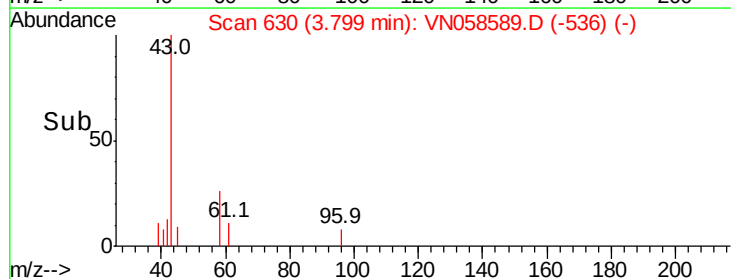
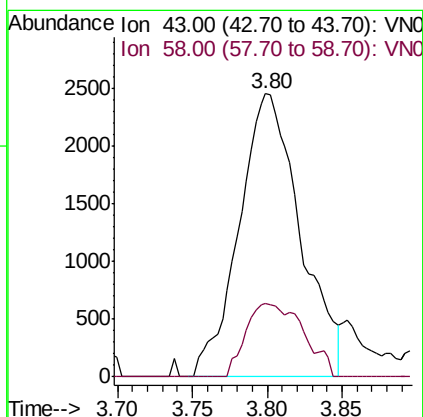
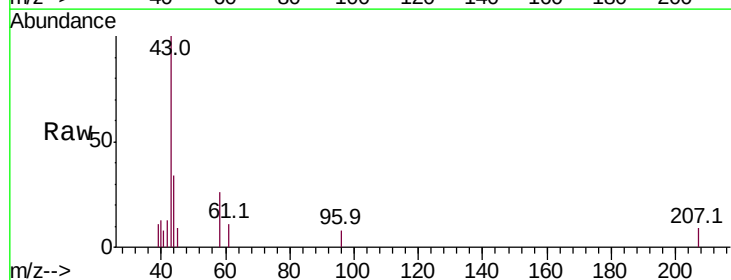
Instrument :
 MSVOA_N
 ClientSampleId :

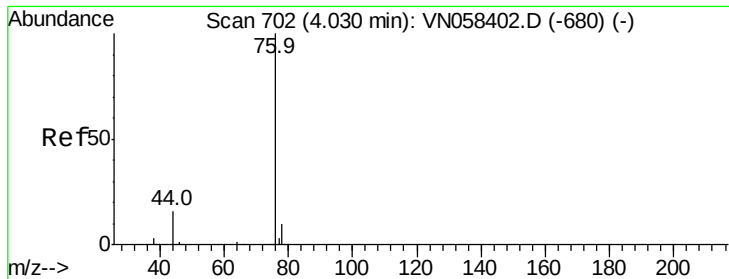
Tot Ion: 96 Resp: 68314
 Ion Ratio Lower Upper
 96 100
 61 174.2 146.7 220.1
 98 57.9 51.3 76.9



#16
 Acetone
 Concen: 3.045 ug/l
 RT: 3.80 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

Tgt Ion: 43 Resp: 6968
 Ion Ratio Lower Upper
 43 100
 58 26.0 22.4 33.6





#17

Carbon Disulfide

Concen: 0.461 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :

MSVOA_N

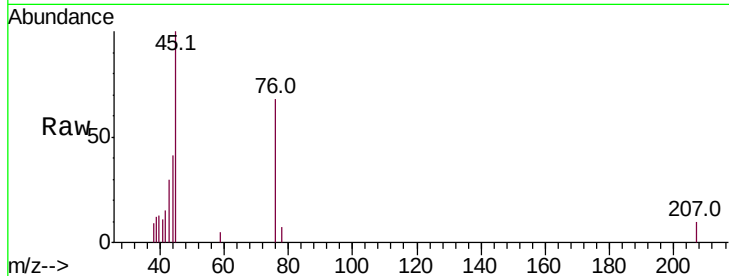
ClientSampled :

Tot Ion: 76 Resp: 5270

Ion Ratio Lower Upper

76 100

78 9.9 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

2000

1500

1000

500

0

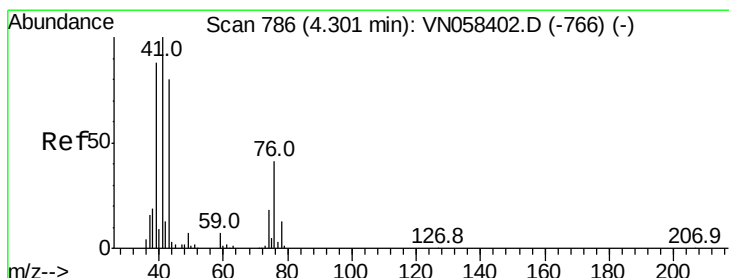
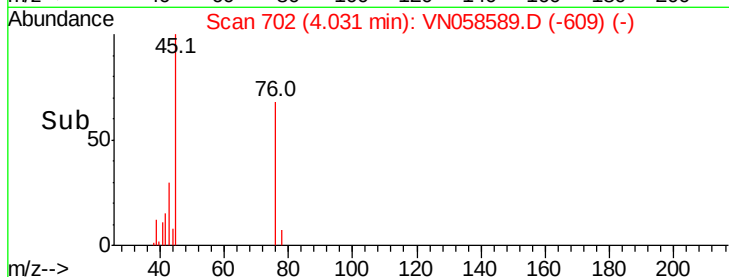
Time-->

3.95

4.00

4.05

4.10



#18

Methyl Acetate

Concen: 0.233 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN058589.D

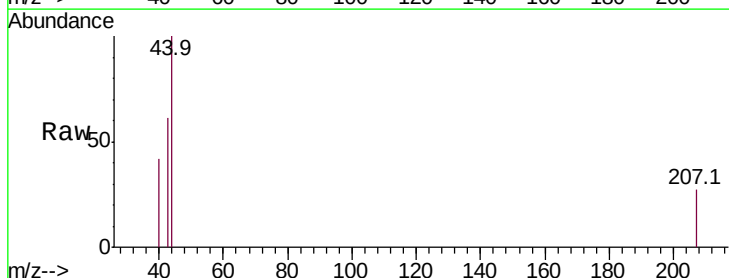
Acq: 7 Oct 2019 23:46

Tgt Ion: 43 Resp: 1343

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

600

400

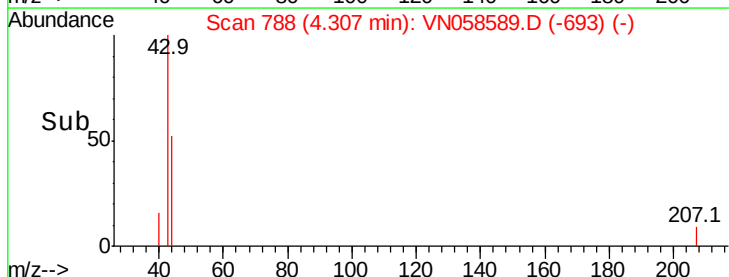
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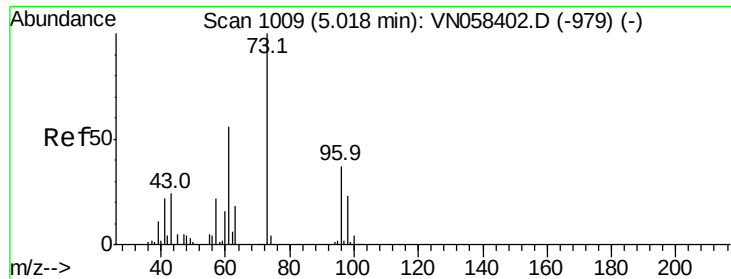
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Time-->

4.25

4.30

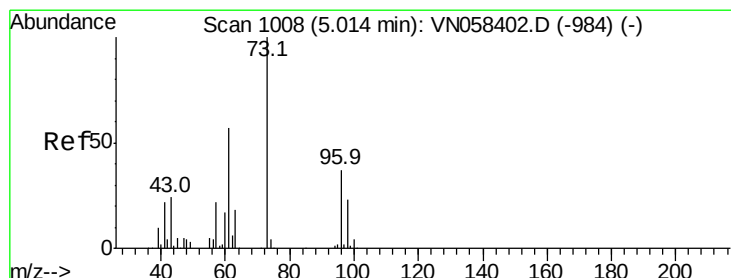
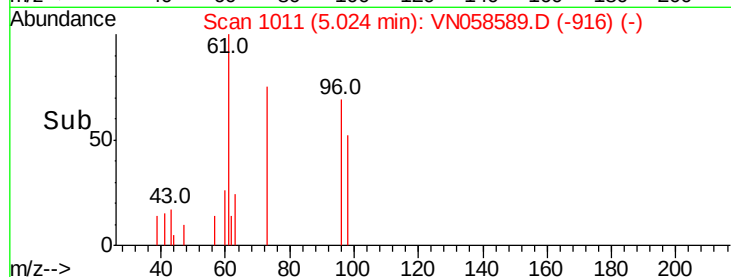
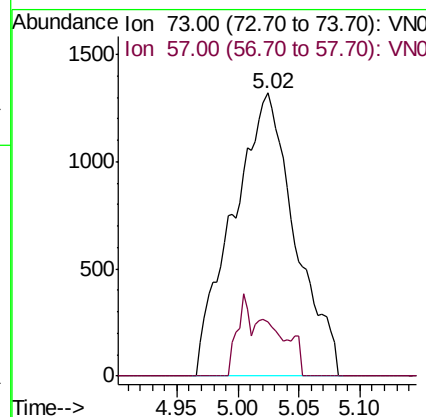
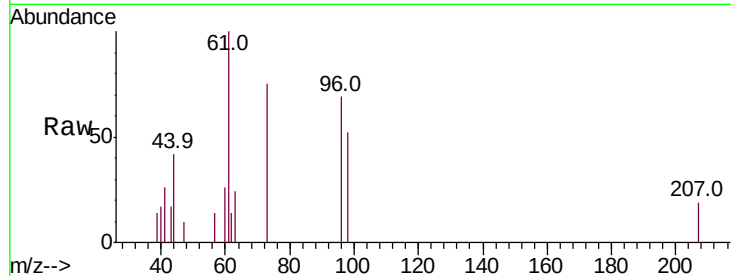




#19
Methyl tert-butyl Ether
Concen: 0.304 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058589.D
Acq: 7 Oct 2019 23:46

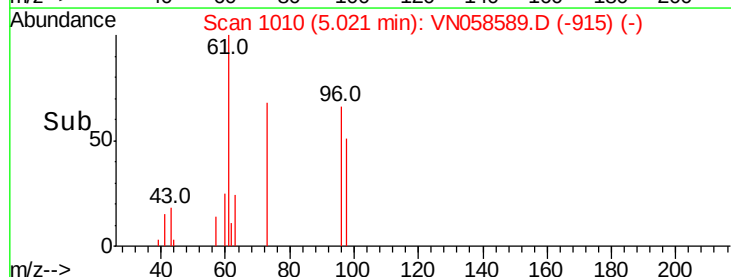
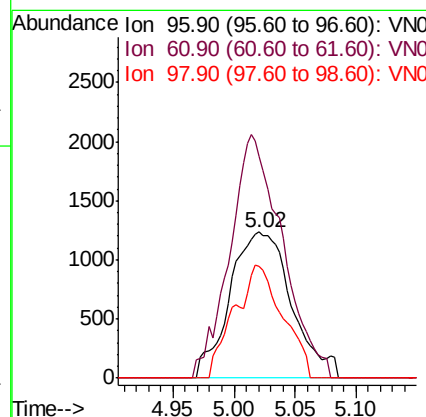
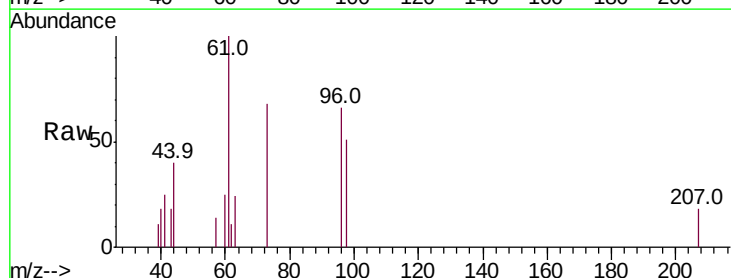
Instrument :
MSVOA_N
ClientSampled :

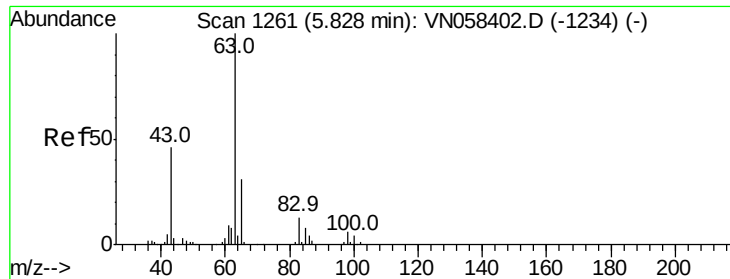
Tot Ion: 73 Resp: 4646
Ion Ratio Lower Upper
73 100
57 18.9 17.6 26.4



#21
trans-1,2-Dichloroethene
Concen: 0.900 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058589.D
Acq: 7 Oct 2019 23:46

Tgt Ion: 96 Resp: 4337
Ion Ratio Lower Upper
96 100
61 152.4 121.9 182.9
98 77.0 49.3 73.9#

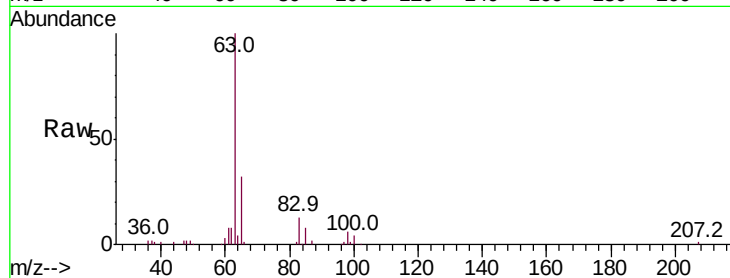




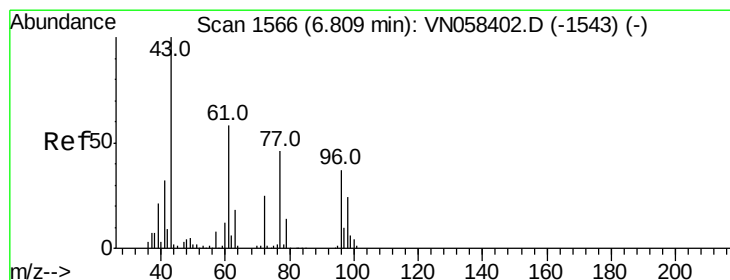
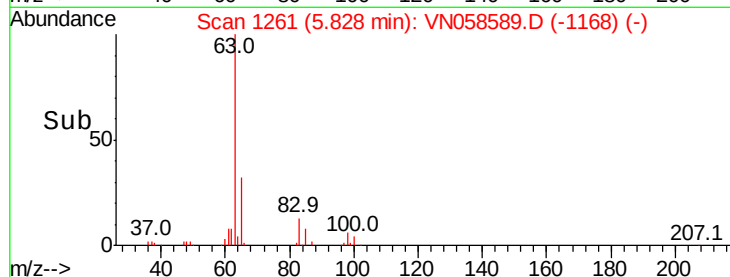
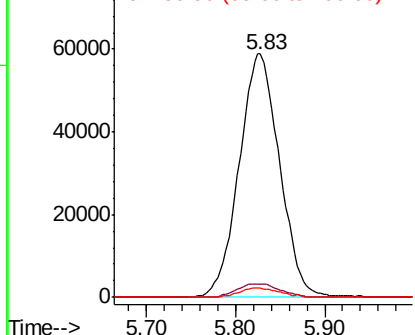
#24
 1,1-Dichloroethane
 Concen: 19.407 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.0	9.0
100	3.6	2.0	5.8

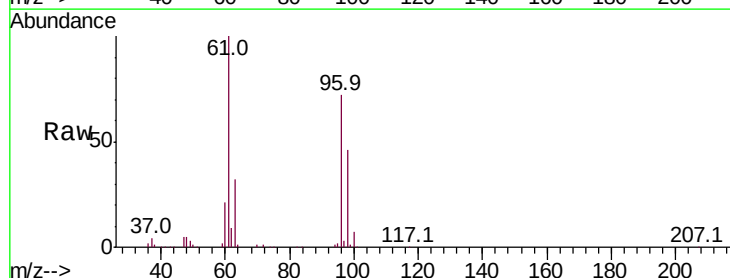


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0
 Ion 99.90 (99.60 to 100.60): VN0

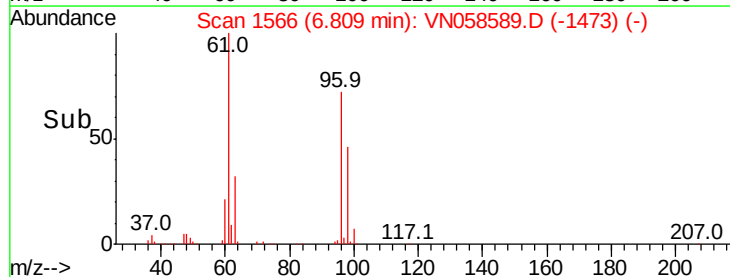
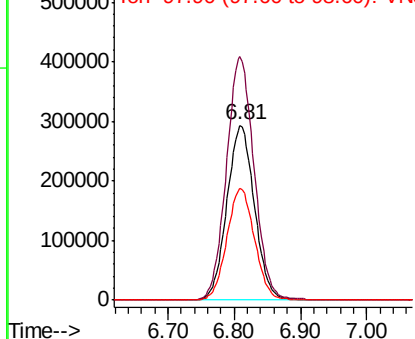


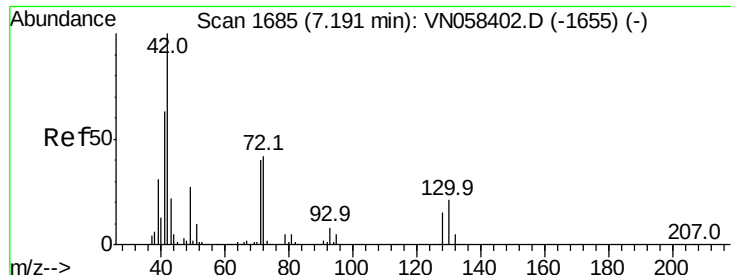
#27
 cis-1,2-Dichloroethene
 Concen: 150.598 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	318.8
98	64.1	0.0	129.8



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

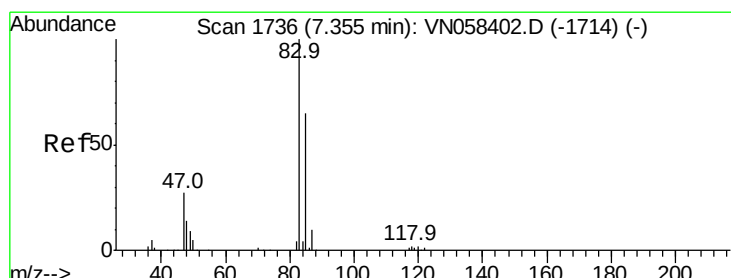
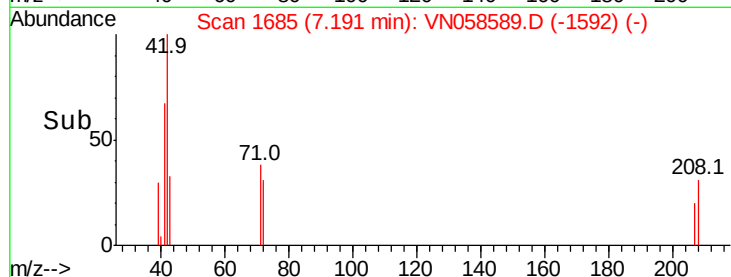
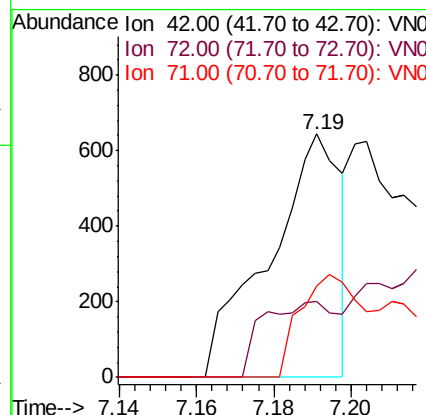
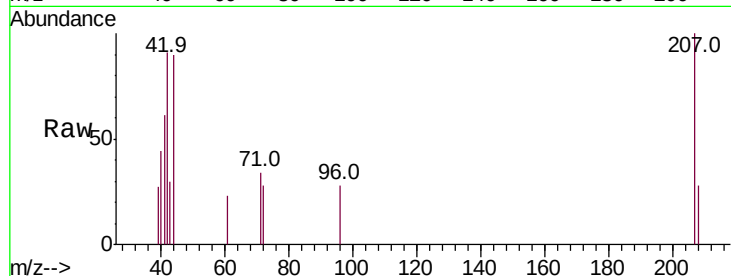




#29
Tetrahydrofuran
Concen: 0.417 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058589.D
Acq: 7 Oct 2019 23:46

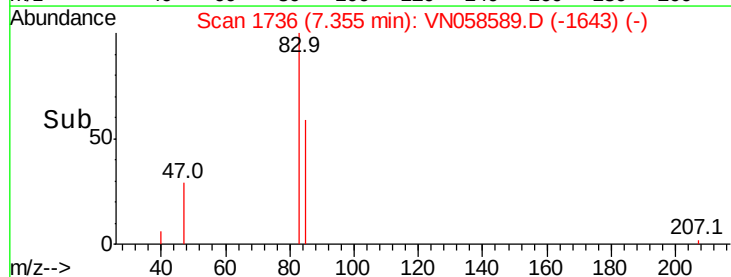
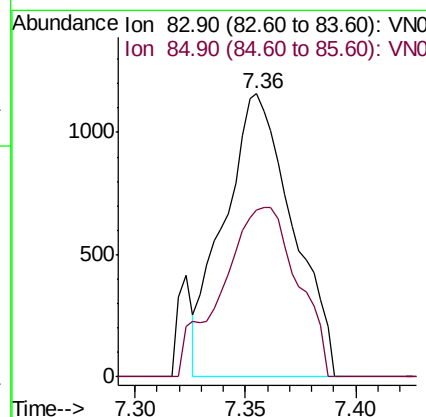
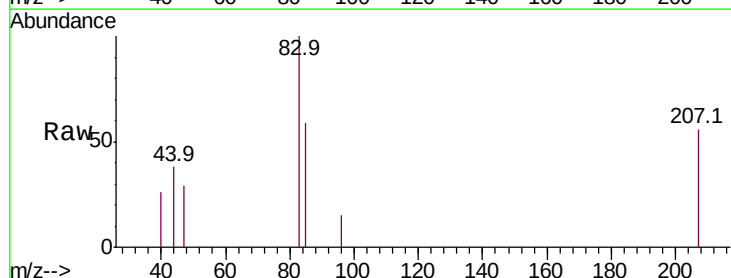
Instrument :
MSVOA_N
ClientSampled :

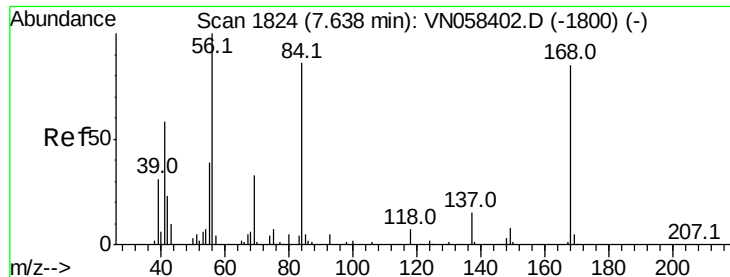
Tot Ion: 42 Resp: 831
Ion Ratio Lower Upper
42 100
72 32.6 33.7 50.5#
71 34.8 31.8 47.6



#30
Chloroform
Concen: 0.259 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058589.D
Acq: 7 Oct 2019 23:46

Tgt Ion: 83 Resp: 2502
Ion Ratio Lower Upper
83 100
85 58.8 52.0 78.0





#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :
MSVOA_N
ClientSampled :

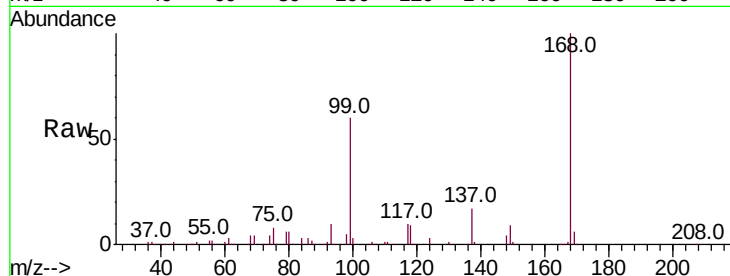
Tot Ion: 56 Resp: 10905

Ion Ratio Lower Upper

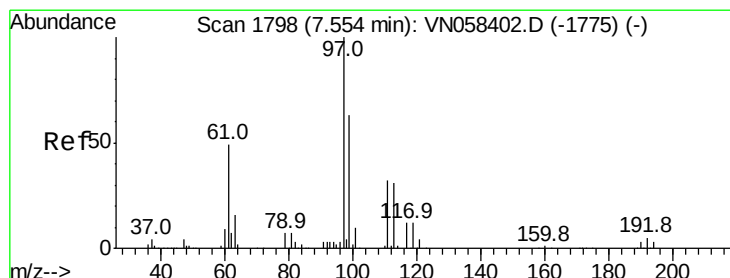
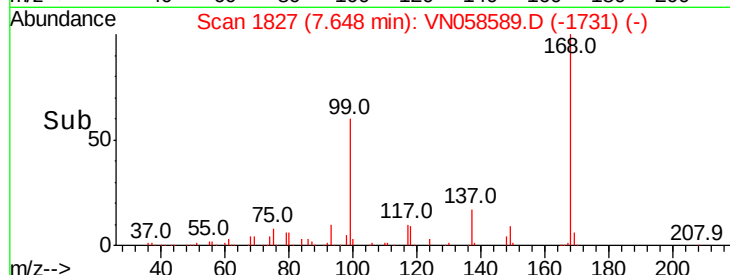
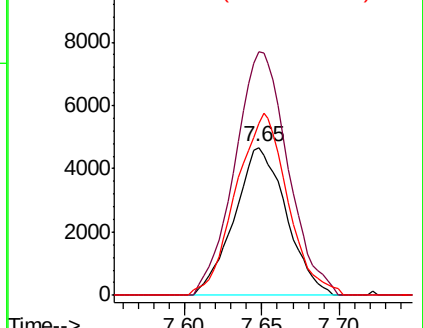
56 100

69 164.5 26.2 39.4#

84 116.6 67.6 101.4#



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



#32

1,1,1-Trichloroethane

Concen: 2.131 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

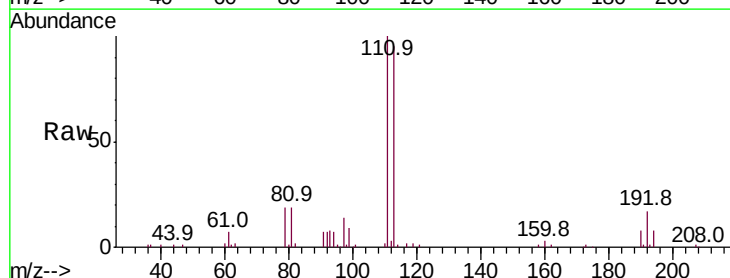
Tgt Ion: 97 Resp: 16933

Ion Ratio Lower Upper

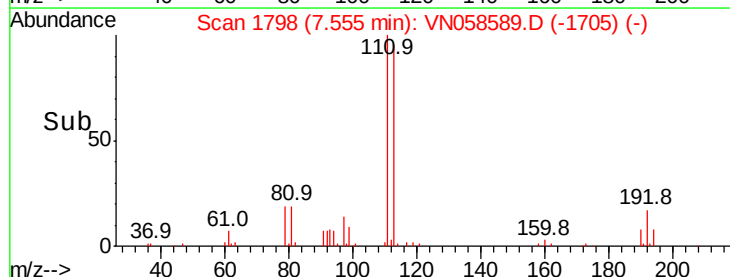
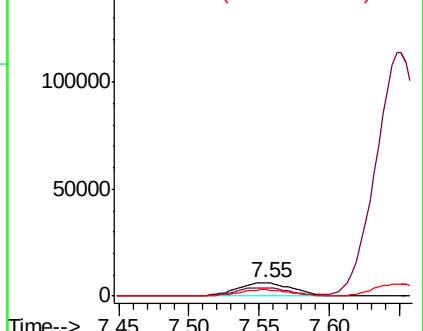
97 100

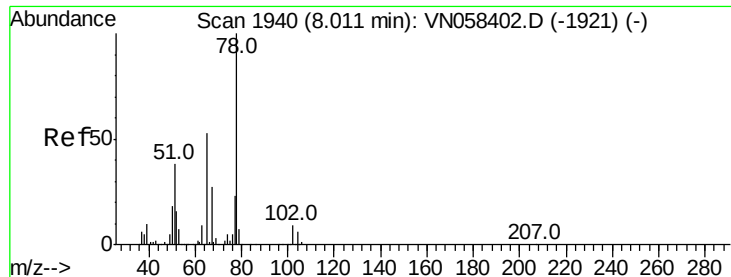
99 67.0 51.1 76.7

61 46.8 39.2 58.8



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

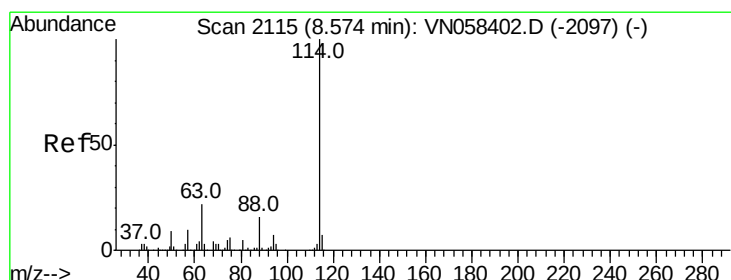
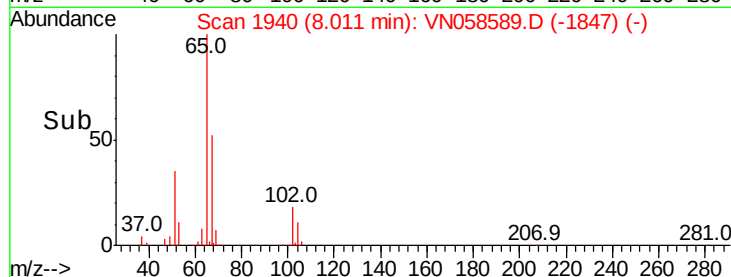
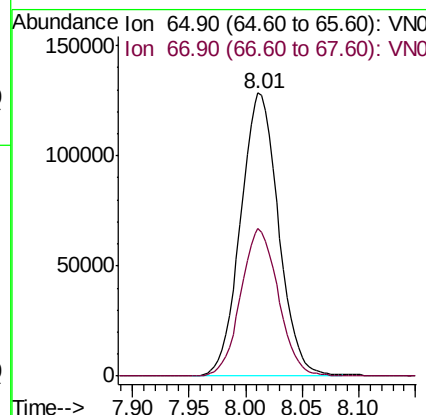
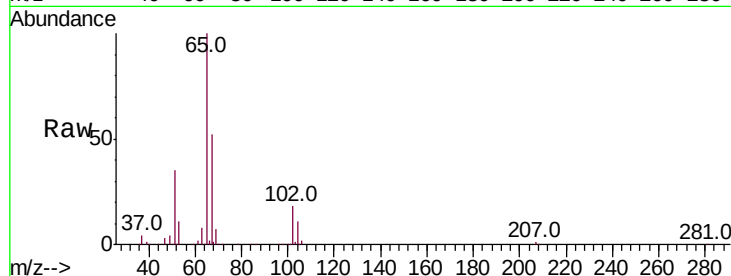




#33
 1,2-Dichloroethane-d4
 Concen: 44.642 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

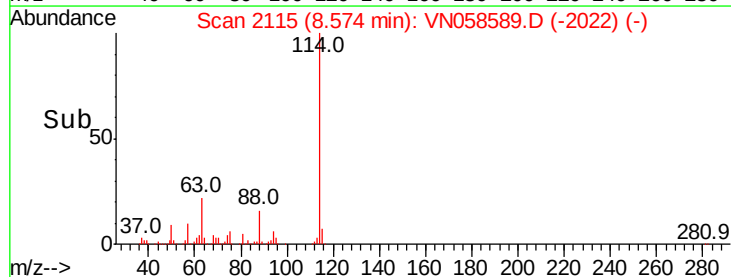
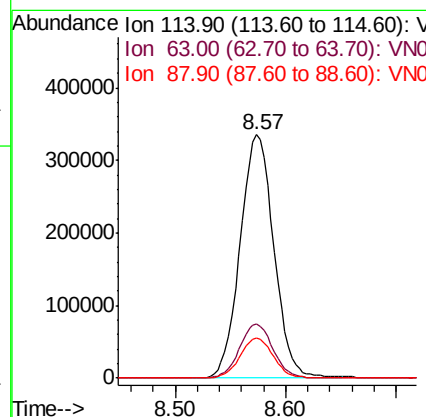
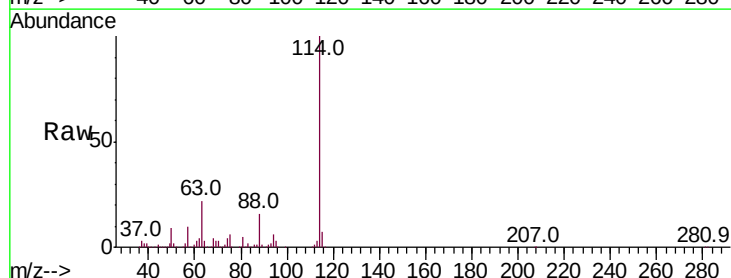
Instrument :
 MSVOA_N
 ClientSampled :

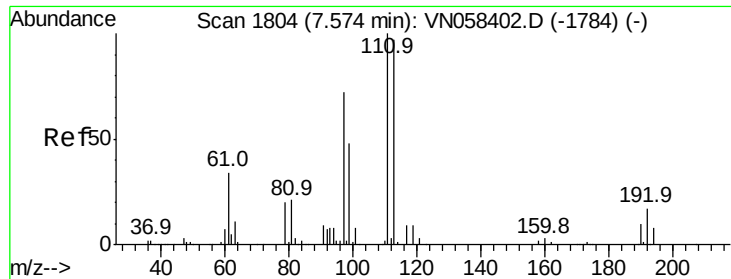
Tot Ion: 65 Resp: 299646
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

Tgt Ion: 114 Resp: 710026
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.0
 88 16.5 0.0 32.2

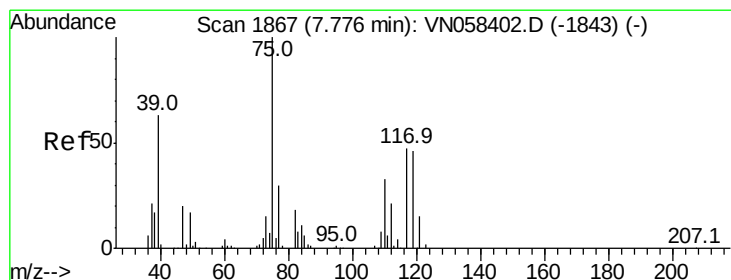
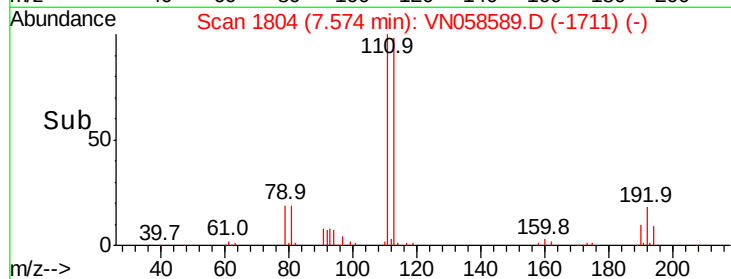
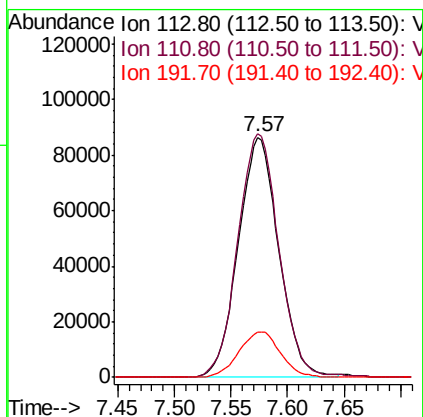
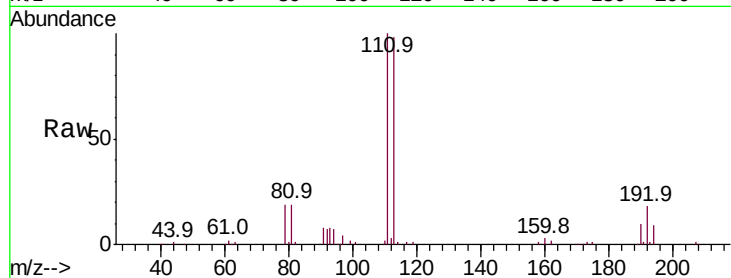




#35
 Dibromofluoromethane
 Concen: 49.366 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

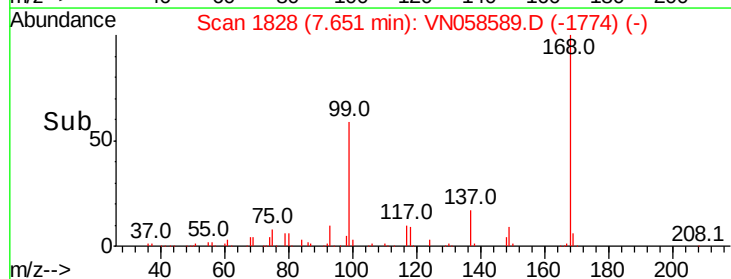
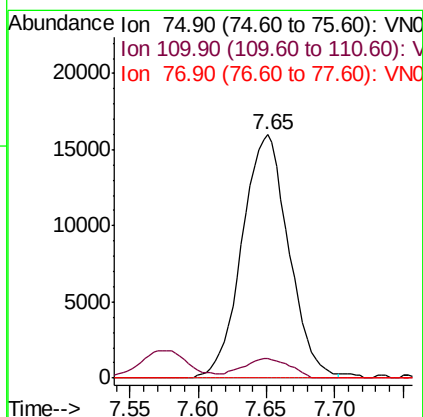
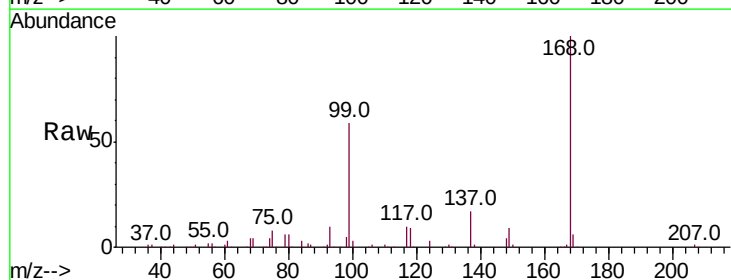
Instrument :
 MSVOA_N
 ClientSampled :

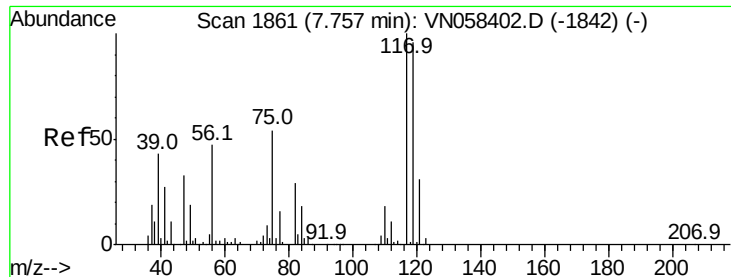
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.4	125.2
192	19.5	14.9	22.3



#36
 1,1-Dichloropropene
 Concen: 5.585 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.4	49.2#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 7.452 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

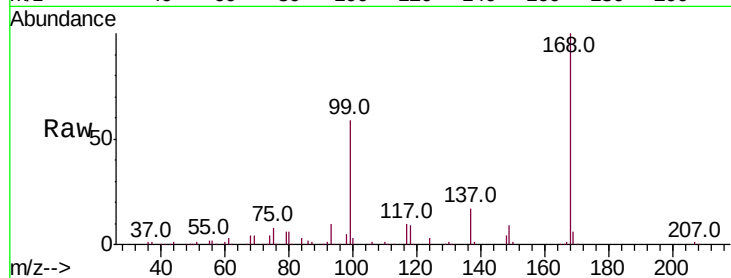
Tot Ion:117 Resp: 45670

Ion Ratio Lower Upper

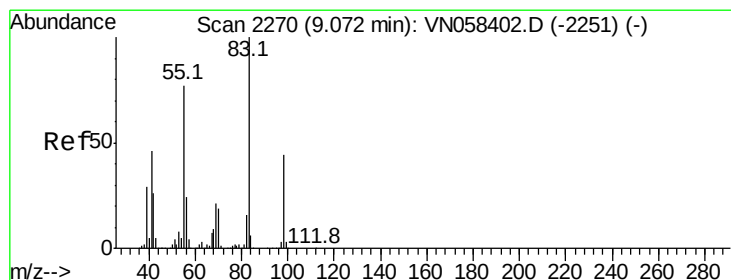
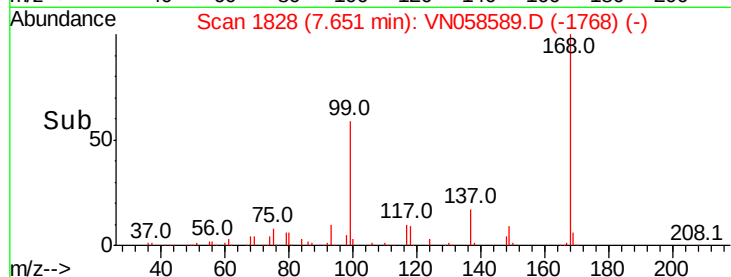
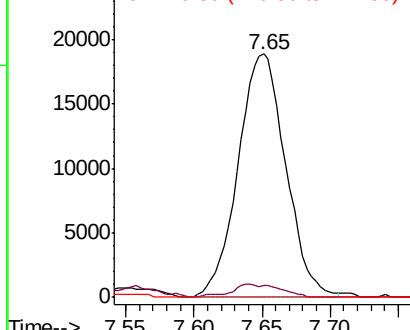
117 100

119 4.8 76.6 115.0#

121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 1.294 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.24 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

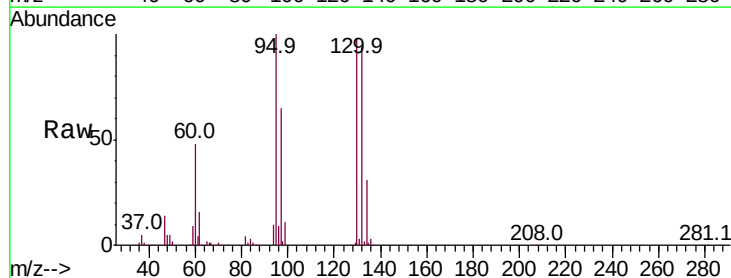
Tgt Ion: 83 Resp: 10260

Ion Ratio Lower Upper

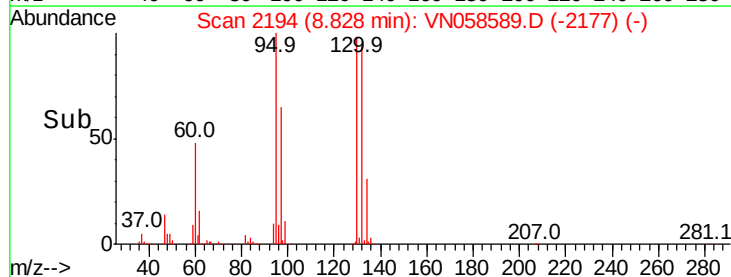
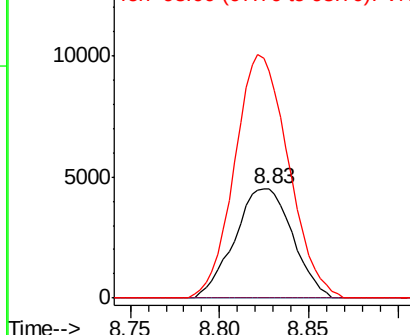
83 100

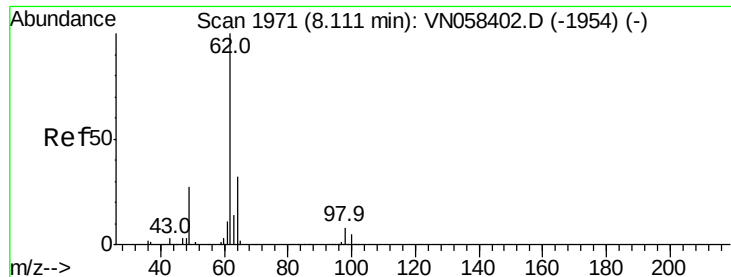
55 0.0 61.8 92.6#

98 207.5 35.4 53.0#



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#42

1,2-Dichloroethane

Concen: 0.628 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

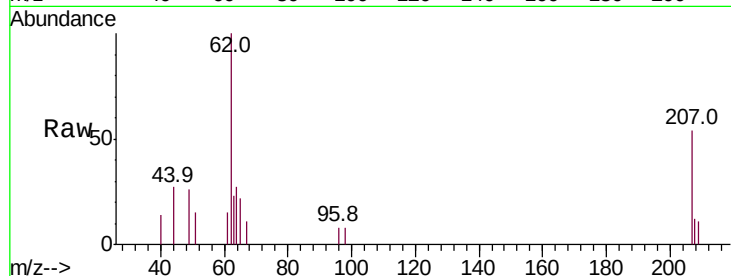
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 62 Resp: 4770

Ion Ratio Lower Upper

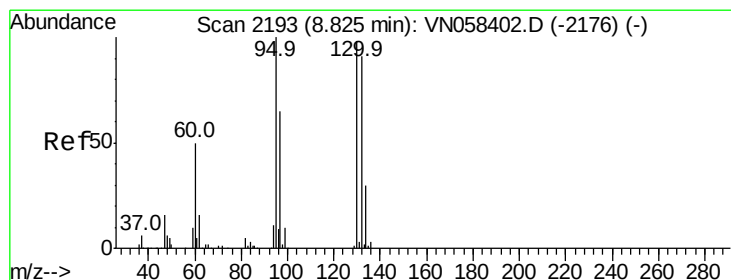
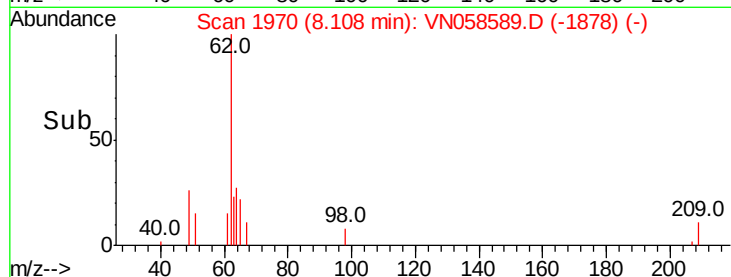
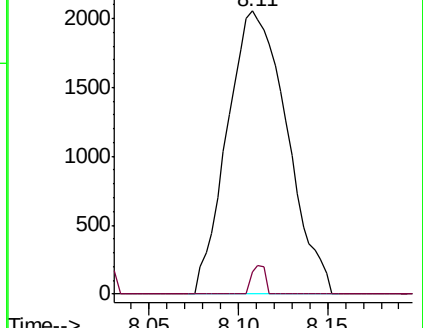
62 100

98 2.3 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN058402.D (-1954) (-)

Ion 97.90 (97.60 to 98.60): VN058402.D (-1954) (-)



#44

Trichloroethene

Concen: 175.361 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058589.D

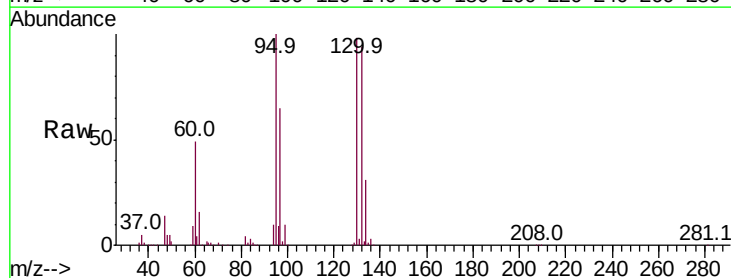
Acq: 7 Oct 2019 23:46

Tgt Ion:130 Resp: 845021

Ion Ratio Lower Upper

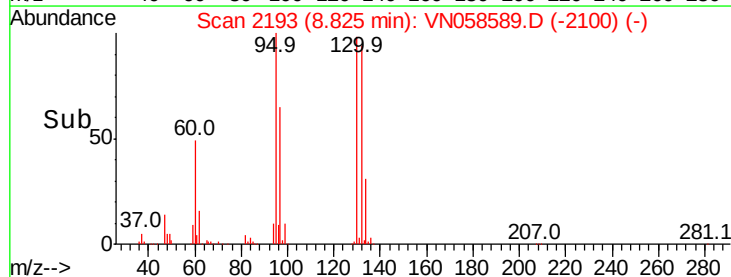
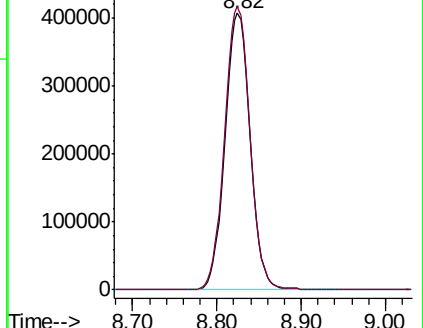
130 100

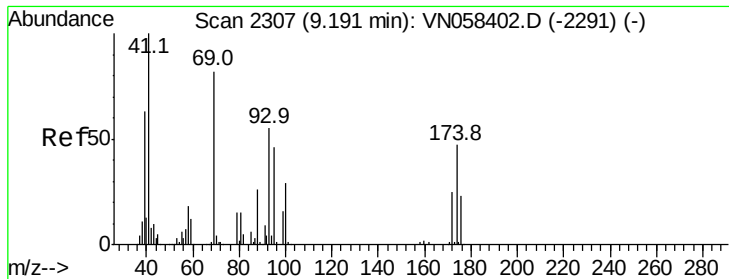
95 102.3 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058402.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058402.D (-2176) (-)

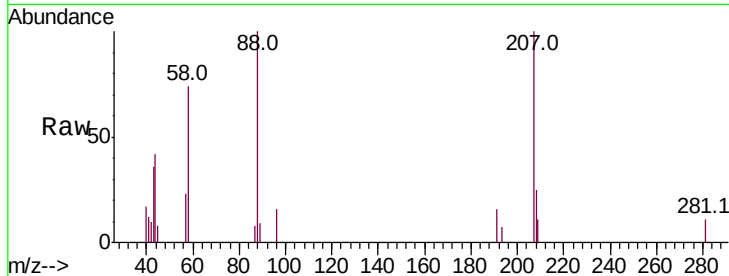




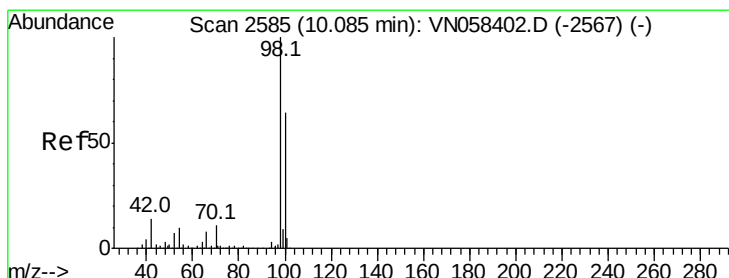
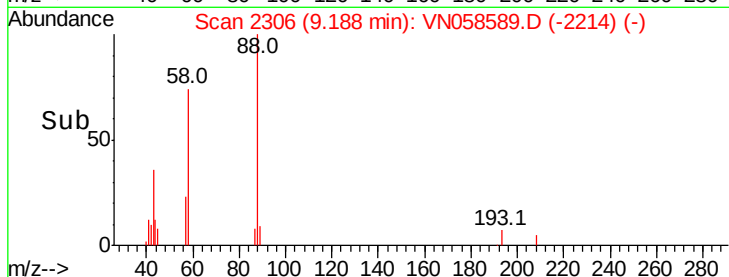
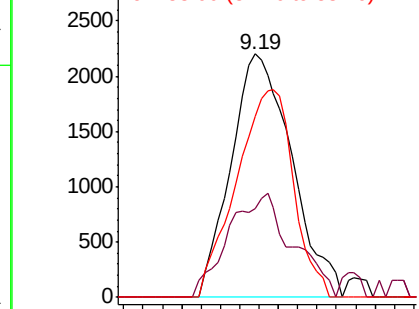
#49
1,4-Dioxane
Concen: 72.970 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058589.D
Acq: 7 Oct 2019 23:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 4809
Ion Ratio Lower Upper
88 100
43 45.2 31.1 46.7
58 80.2 58.1 87.1

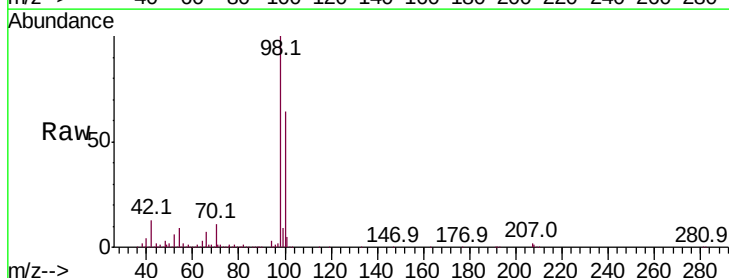


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

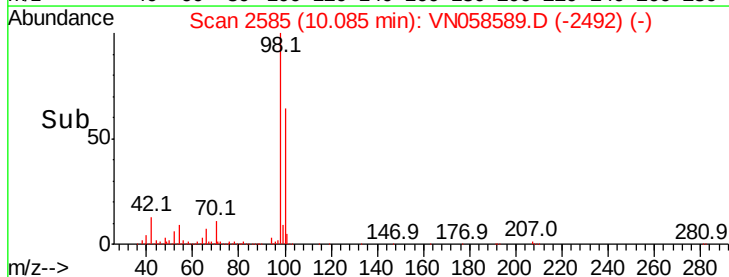
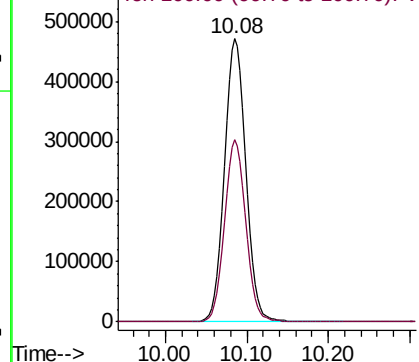


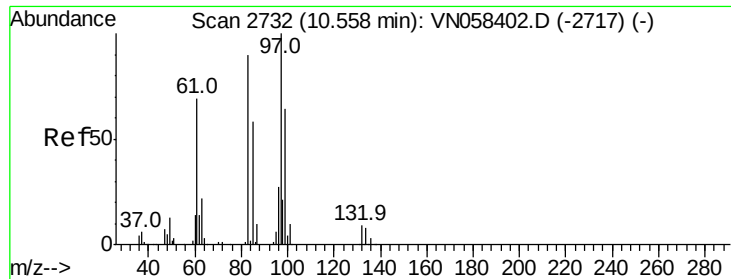
#50
Toluene-d8
Concen: 51.585 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058589.D
Acq: 7 Oct 2019 23:46

Tgt Ion: 98 Resp: 879394
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#55

1,1,2-Trichloroethane

Concen: 0.340 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.01 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 1519

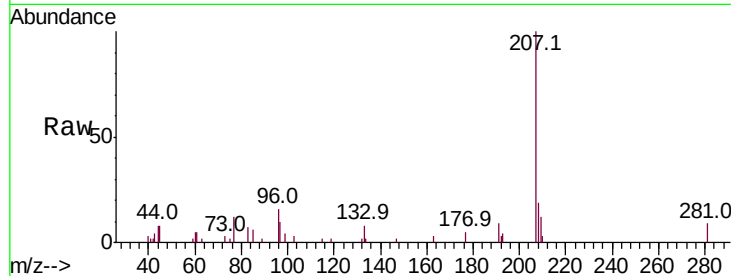
Ion Ratio Lower Upper

97 100

83 72.8 71.8 107.6

85 63.6 46.6 69.8

99 42.7 51.5 77.3#

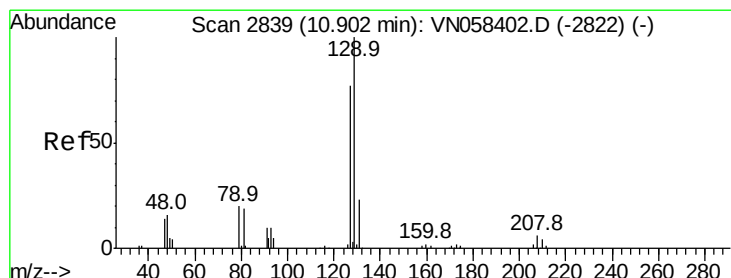
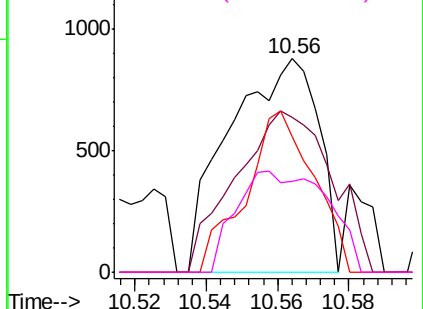
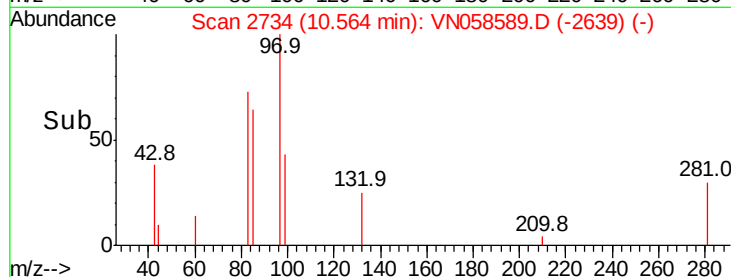


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#60

Dibromochloromethane

Concen: 8.820 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058589.D

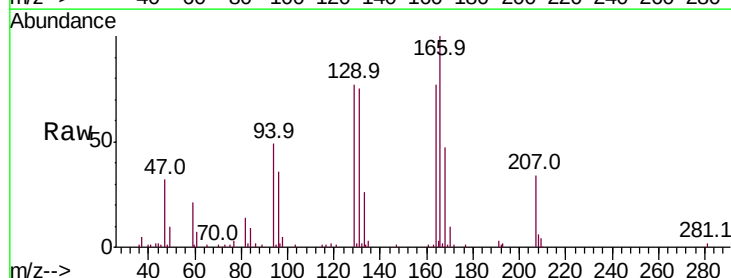
Acq: 7 Oct 2019 23:46

Tgt Ion: 129 Resp: 42961

Ion Ratio Lower Upper

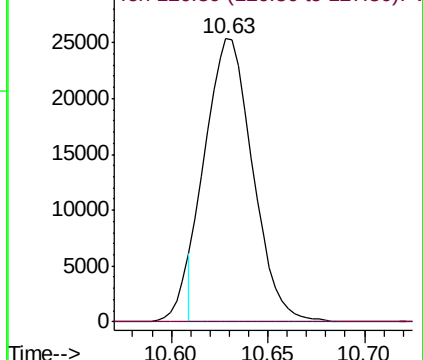
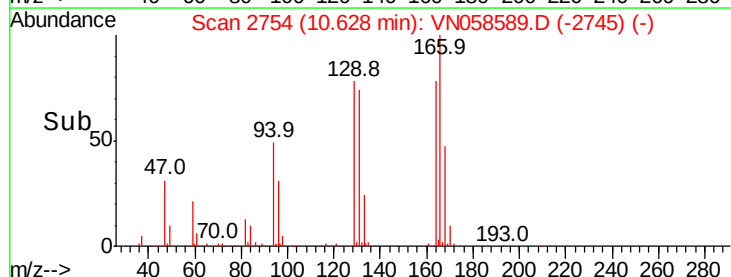
129 100

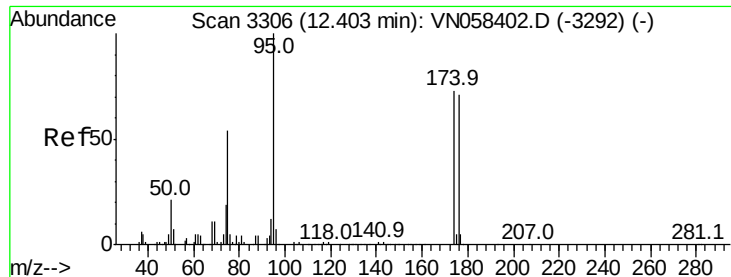
127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 46.802 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

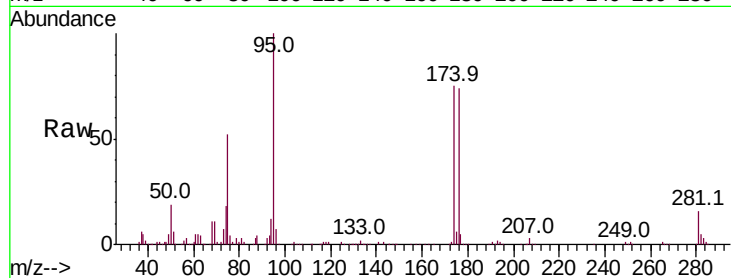
Tot Ion: 95 Resp: 288488

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.6

176 73.3 0.0 146.2

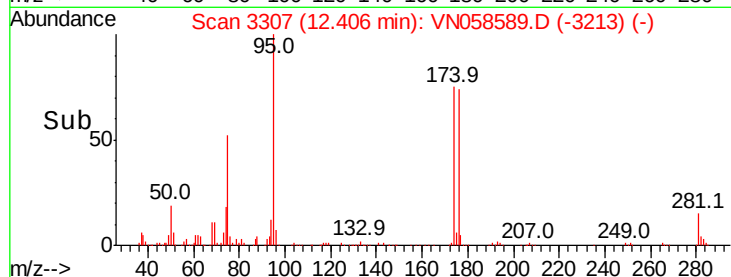


Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)

Time-->

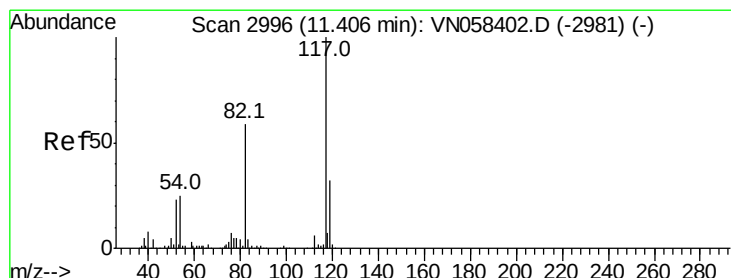


Abundance Ion 94.90 (94.60 to 95.60): VN058589.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058589.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058589.D (-3213) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

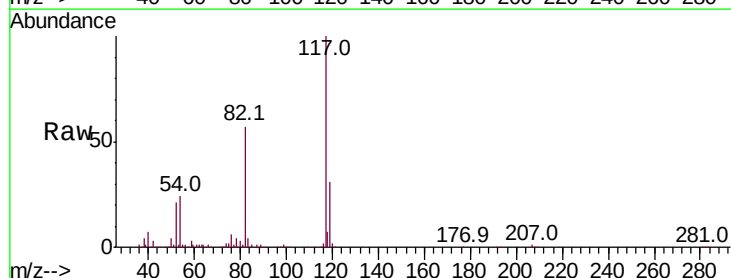
Tgt Ion: 117 Resp: 618326

Ion Ratio Lower Upper

117 100

82 57.1 47.4 71.0

119 31.0 25.5 38.3

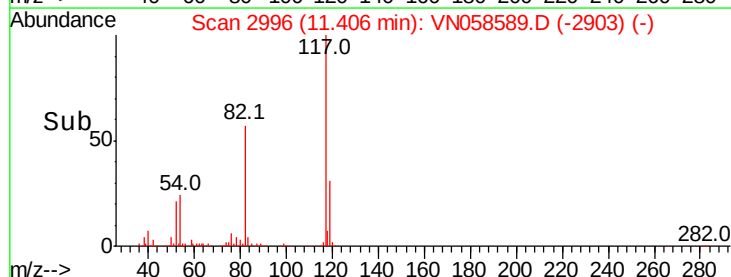


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)

Time-->

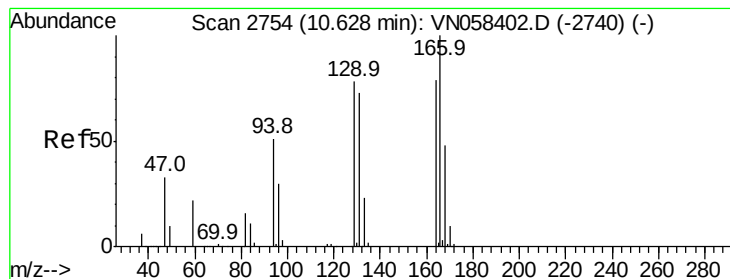


Abundance Ion 116.90 (116.60 to 117.60): VN058589.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058589.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058589.D (-2903) (-)

Time-->



#64

Tetrachloroethene

Concen: 11.824 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 46448

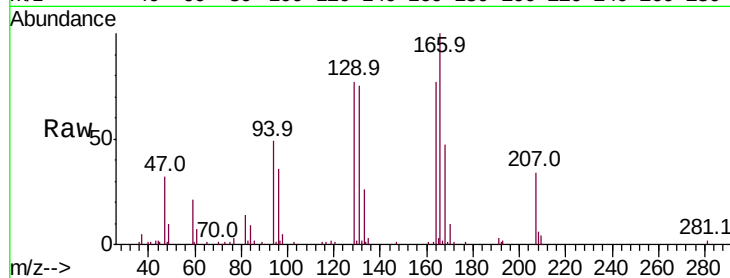
Ion Ratio Lower Upper

164 100

166 129.3 101.1 151.7

129 99.8 79.2 118.8

131 97.0 74.1 111.1

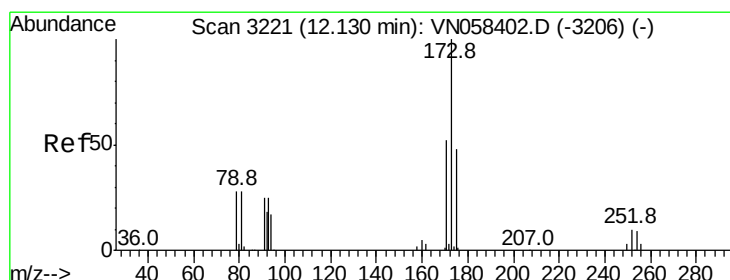
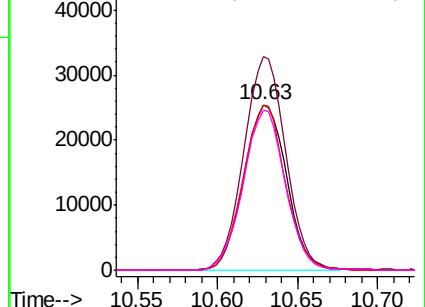
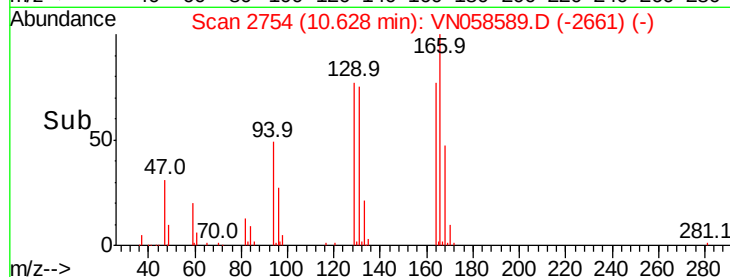


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 1.313 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

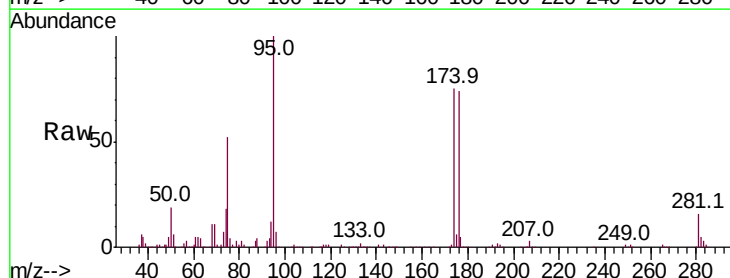
Tgt Ion:173 Resp: 1795

Ion Ratio Lower Upper

173 100

175 761.5 24.3 73.0#

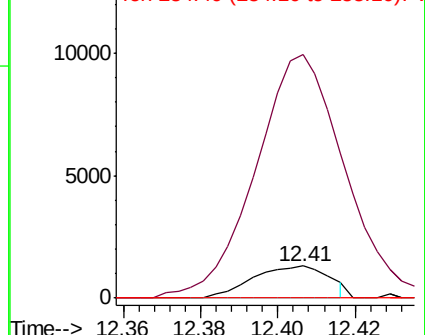
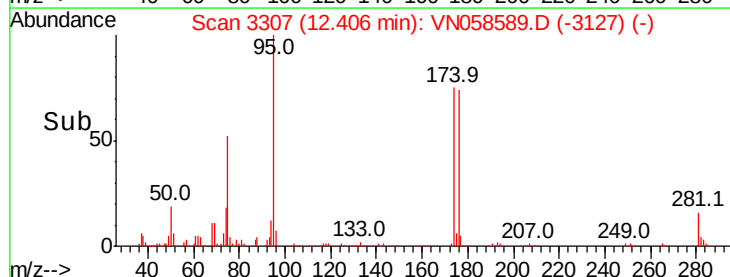
254 0.0 0.1 0.1#

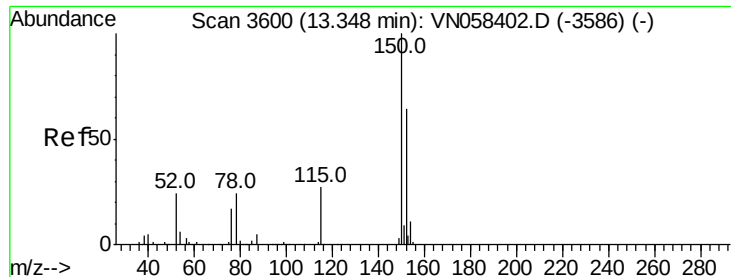


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

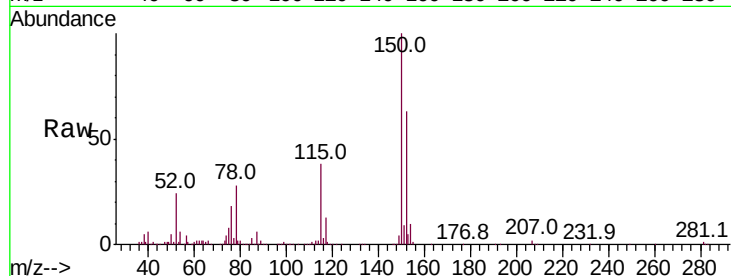
Tot Ion:152 Resp: 245669

Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

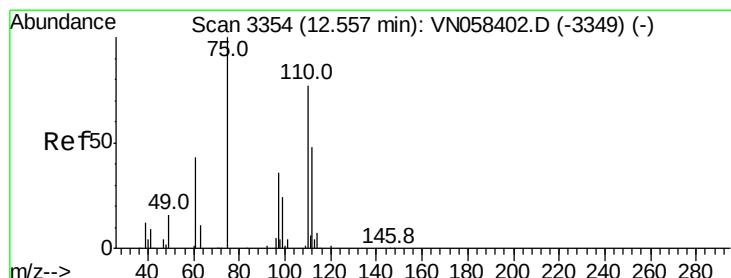
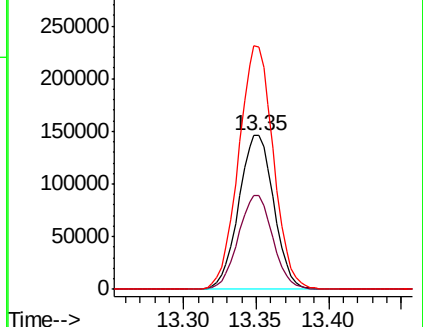
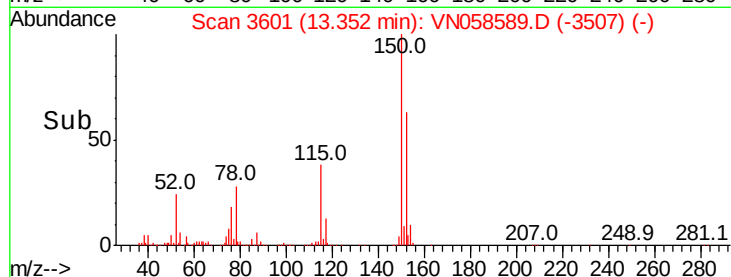
150 157.0 0.0 348.2



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: 34.172 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058589.D

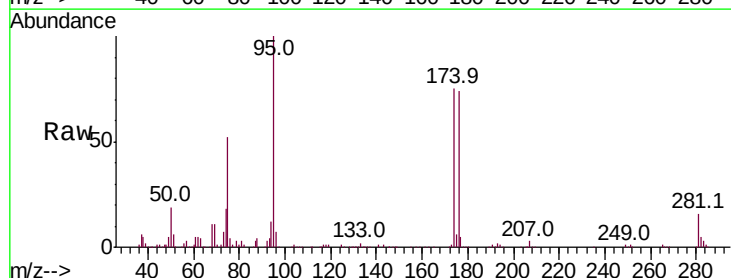
Acq: 7 Oct 2019 23:46

Tgt Ion: 75 Resp: 153335

Ion Ratio Lower Upper

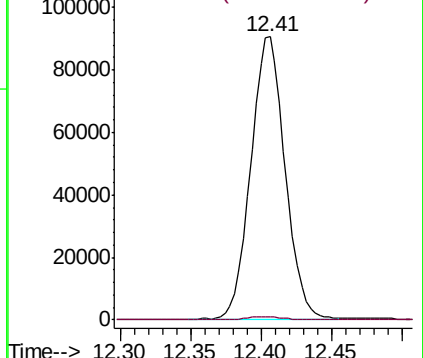
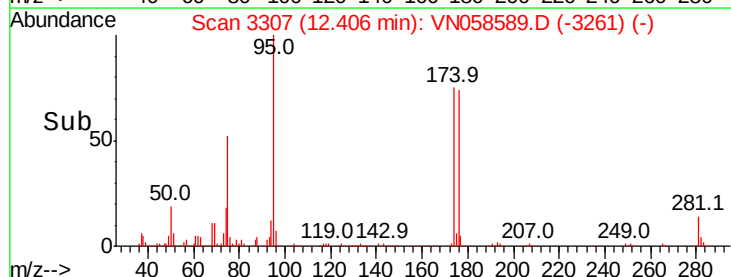
75 100

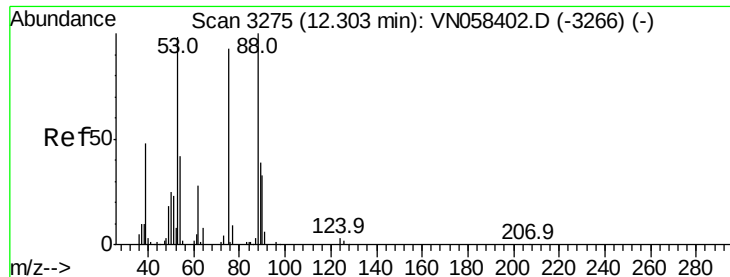
77 1.4 0.0 0.0#



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: 103.784 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

Instrument :

MSVOA_N

ClientSampleId :

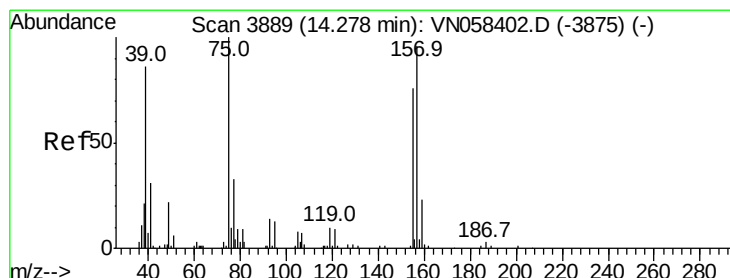
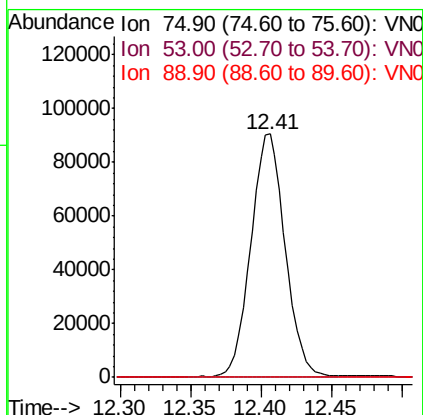
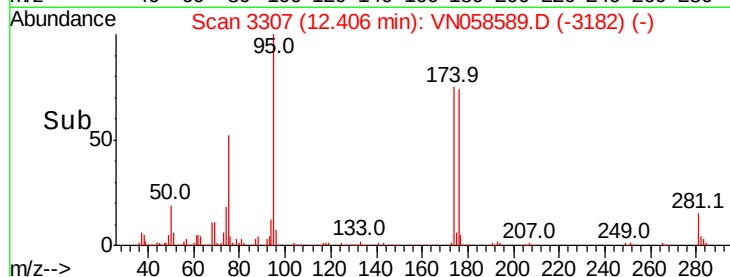
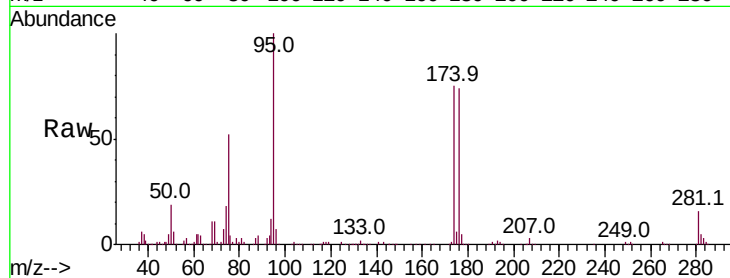
Tot Ion: 75 Resp: 153335

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.1 35.0 52.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.265 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.01 min

Lab File: VN058589.D

Acq: 7 Oct 2019 23:46

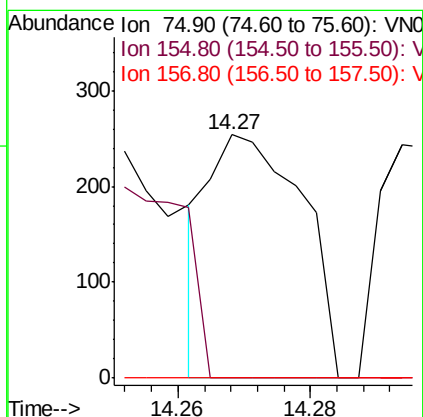
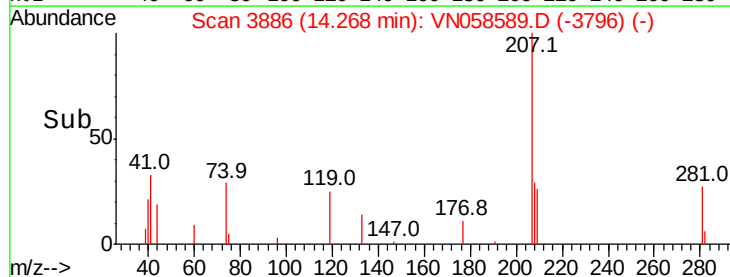
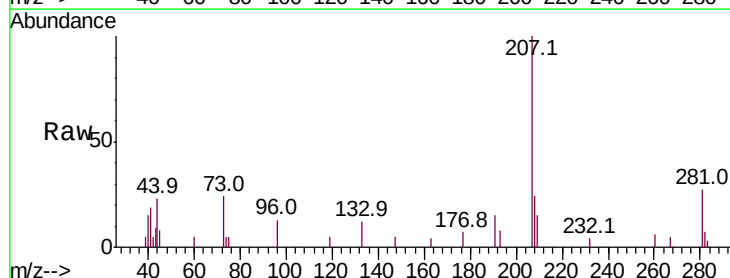
Tgt Ion: 75 Resp: 251

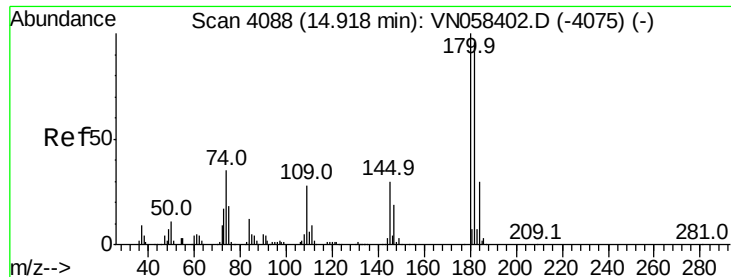
Ion Ratio Lower Upper

75 100

155 0.0 39.2 117.6#

157 0.0 48.7 146.1#

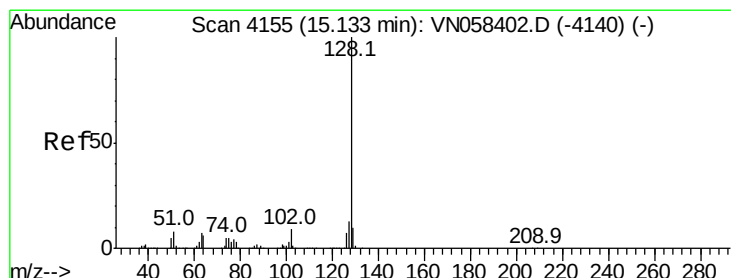
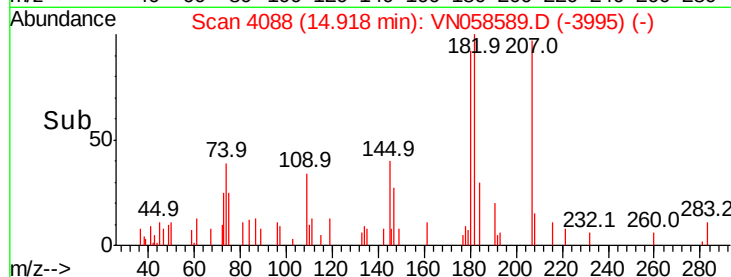
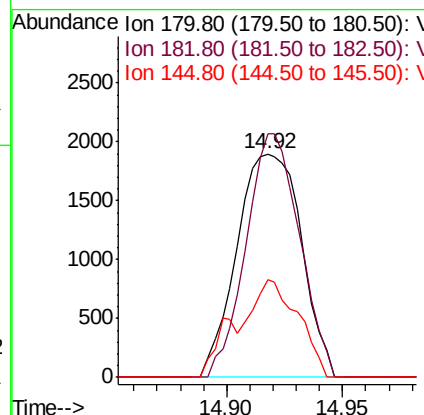
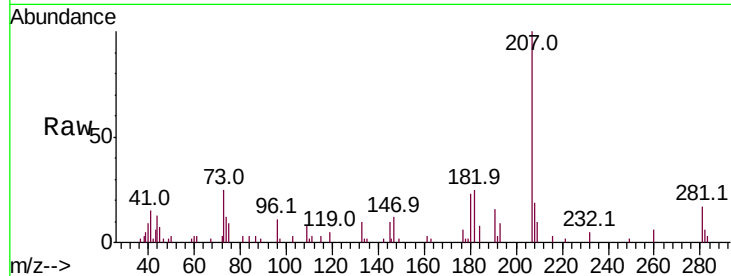




#93
 1,2,4-Trichlorobenzene
 Concen: 0.892 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

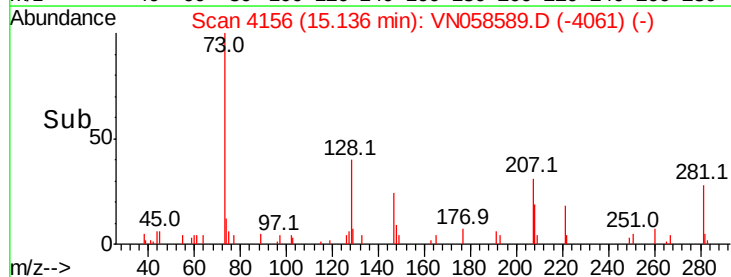
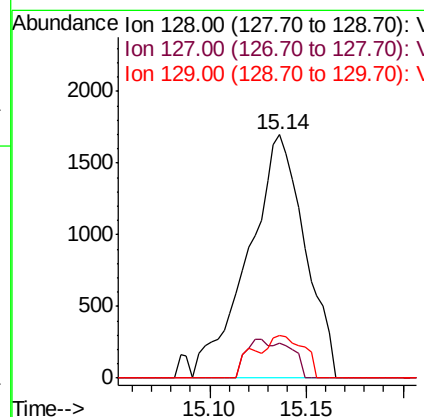
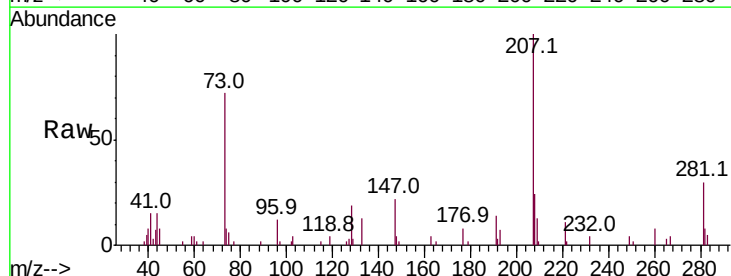
Instrument :
 MSVOA_N
 ClientSampled :

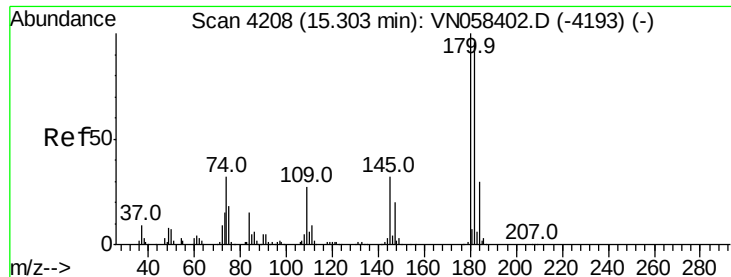
Tot Ion:180 Resp: 3655
 Ion Ratio Lower Upper
 180 100
 182 90.7 47.4 142.3
 145 32.3 15.3 45.9



#95
 Naphthalene
 Concen: 0.259 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

Tgt Ion:128 Resp: 3453
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 10.9 8.3 12.5

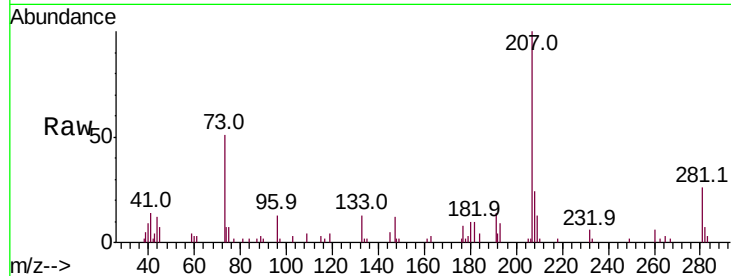




#96
 1,2,3-Trichlorobenzene
 Concen: 0.392 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058589.D
 Acq: 7 Oct 2019 23:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	106.5	48.3	144.9
145	47.6	16.1	48.3



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

