

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059290.D
 Acq On : 18 Nov 2019 17:34
 Operator : JC/SP
 Sample : K5900-10 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:50:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	420682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	663434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	583386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291513	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	241395	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
35) Dibromofluoromethane	7.57	113	197997	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.08	98	805522	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.40	95	296559	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.39	74	3506	1.291	ug/l	95
11) Tert butyl alcohol	4.76	59	399663	405.530	ug/l #	90
13) Acrolein	3.60	56	323	0.636	ug/l #	25
15) Acrylonitrile	5.01	53	3628	1.479	ug/l #	27
16) Acetone	3.79	43	892765	331.987	ug/l	95
17) Carbon Disulfide	4.02	76	4104	0.337	ug/l	100
18) Methyl Acetate	4.29	43	132720	20.793	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	354251	26.220	ug/l	98
20) Methylene Chloride	4.52	84	3259	0.696	ug/l #	87
22) Diisopropyl ether	5.92	45	865301	56.830	ug/l #	1
23) Vinyl Acetate	5.92	43	51624	4.375	ug/l #	81
24) 1,1-Dichloroethane	5.92	63	5992	0.705	ug/l #	85
25) 2-Butanone	6.81	43	466647	131.667	ug/l	98
29) Tetrahydrofuran	7.19	42	25118	11.154	ug/l	97
30) Chloroform	7.35	83	3736	0.458	ug/l	100
31) Cyclohexane	7.64	56	13792	1.713	ug/l #	4
36) 1,1-Dichloropropene	7.65	75	30512	4.920	ug/l #	49
37) Ethyl Acetate	6.81	43	466647	67.644	ug/l #	69
38) Carbon Tetrachloride	7.65	117	40462	6.556	ug/l #	17
39) Methylcyclohexane	9.07	83	6194	0.861	ug/l	92
40) Benzene	8.02	78	1316993	70.526	ug/l	99
41) Methacrylonitrile	7.19	41	14949	4.983	ug/l #	100
42) 1,2-Dichloroethane	8.03	62	10733	1.676	ug/l	77
43) Isopropyl Acetate	8.00	43	1634173	148.586	ug/l #	56
48) Methyl methacrylate	9.15	41	172644	35.094	ug/l #	39
49) 1,4-Dioxane	9.19	88	37165	425.104	ug/l #	21
51) 4-Methyl-2-Pentanone	9.97	43	182893	29.390	ug/l	96
52) Toluene	10.15	92	731717	65.375	ug/l	100
53) t-1,3-Dichloropropene	10.45	75	4865	0.667	ug/l #	75
56) Ethyl methacrylate	10.35	69	11752	3.370	ug/l #	84
57) 1,3-Dichloropropane	10.76	76	1596	0.205	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.80	63	1132	0.449	ug/l #	82
59) 2-Hexanone	10.75	43	61287	12.831	ug/l	88
67) Ethyl Benzene	11.51	91	683839	33.891	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

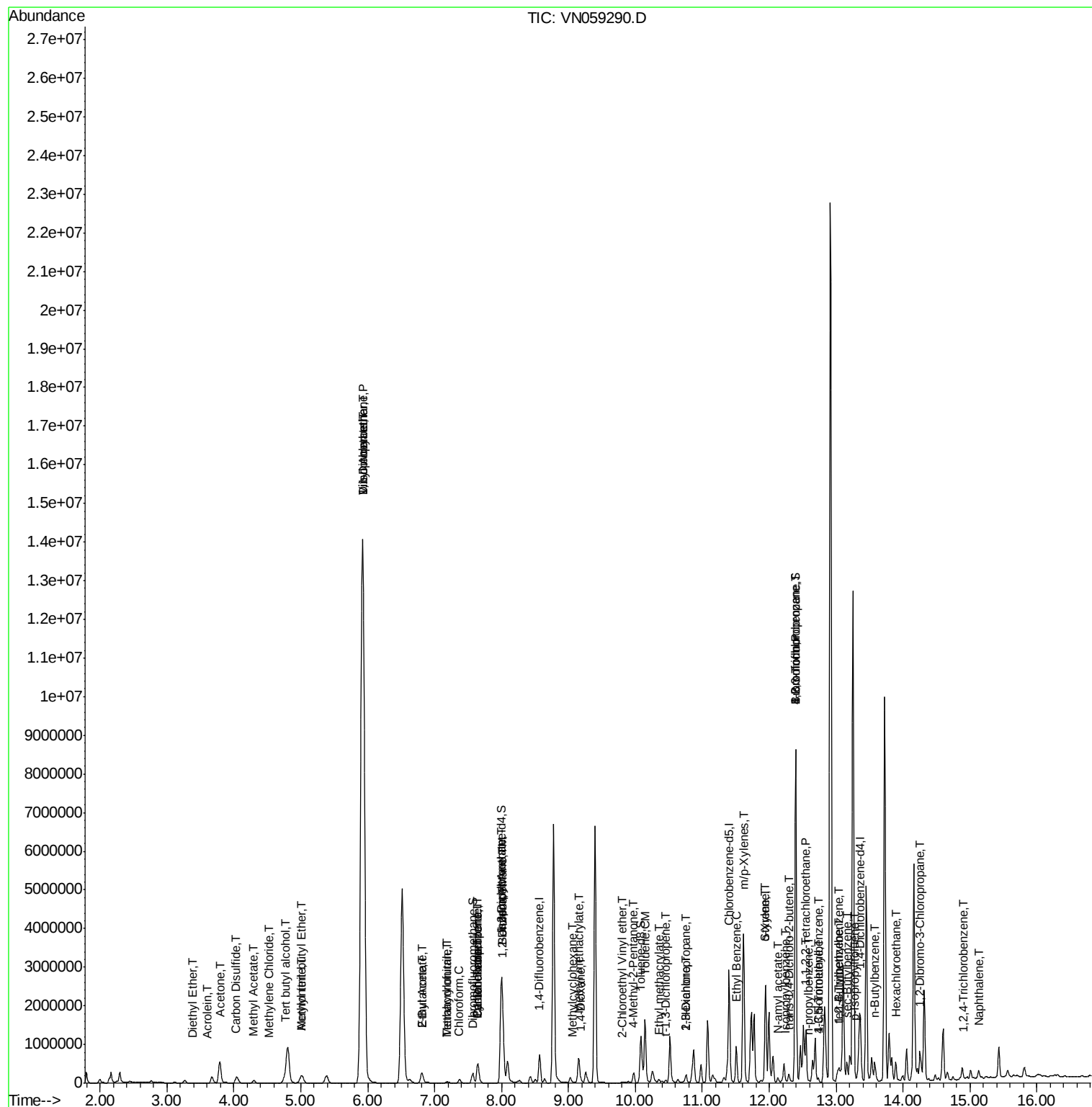
68) m/p-Xylenes	11.62	106	1277011	168.957	ug/l	96
69) o-Xylene	11.94	106	597855	81.850	ug/l	99
70) Styrene	11.95	104	29683	2.584	ug/l #	1
71) Bromoform	12.40	173	1282	0.386	ug/l #	1
73) Isopropylbenzene	12.25	105	20568	0.970	ug/l	98
74) N-amyl acetate	12.13	43	22711	2.528	ug/l #	24
75) 1,1,2,2-Tetrachloroethane	12.55	83	99032	13.714	ug/l #	25
76) 1,2,3-Trichloropropane	12.40	75	141173	21.271	ug/l #	100
78) n-propylbenzene	12.59	91	17874	0.736	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	51366	2.859	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	11876	4.726	ug/l #	45
82) 4-Chlorotoluene	12.73	91	4359	0.289	ug/l #	43
83) tert-Butylbenzene	13.04	119	24489	1.578	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.04	105	212001	12.195	ug/l	92
85) sec-Butylbenzene	13.17	105	7968	0.395	ug/l	88
86) p-Isopropyltoluene	13.29	119	7877	0.442	ug/l #	73
89) n-Butylbenzene	13.59	91	14202	0.911	ug/l #	1
90) Hexachloroethane	13.89	117	25111	7.018	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.26	75	2818	1.981	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	218	3.084	ug/l #	1
95) Naphthalene	15.13	128	153396	12.581	ug/l	99

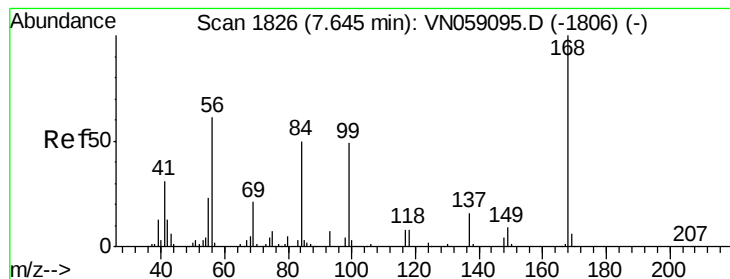
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

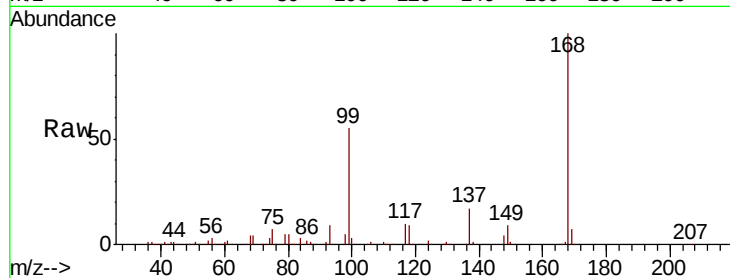
ClientSampled :

Tot Ion:168 Resp: 420682

Ion Ratio Lower Upper

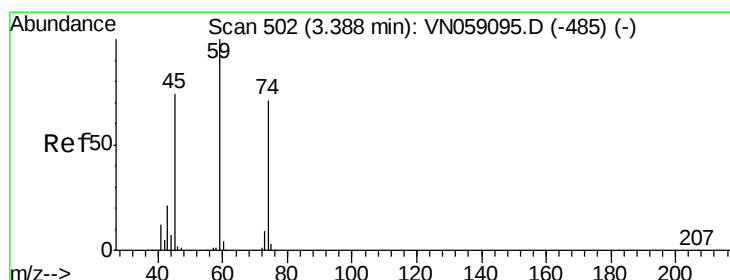
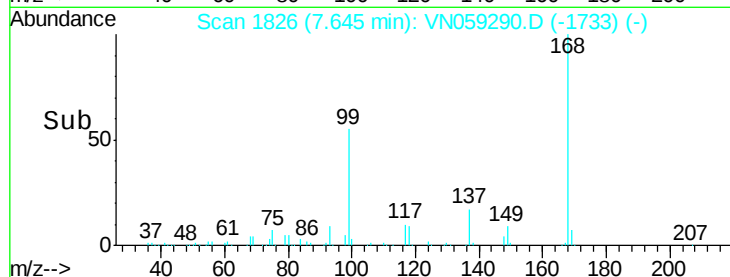
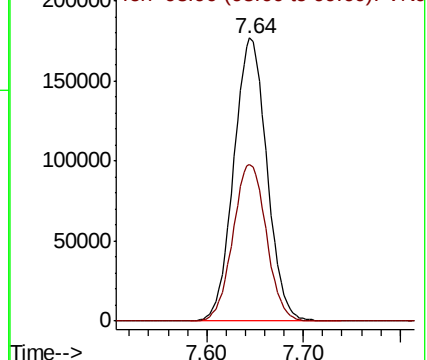
168 100

99 55.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059290.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059290.D (-1733) (-)



#8

Diethyl Ether

Concen: 1.291 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN059290.D

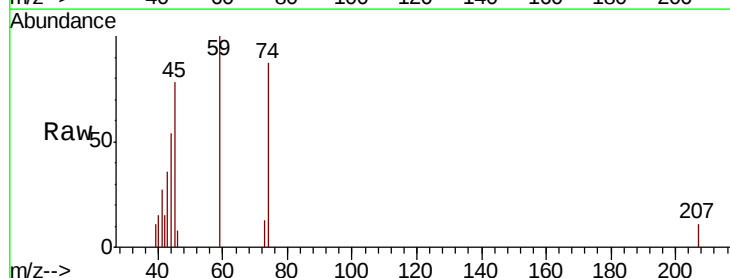
Acq: 18 Nov 2019 17:34

Tgt Ion: 74 Resp: 3506

Ion Ratio Lower Upper

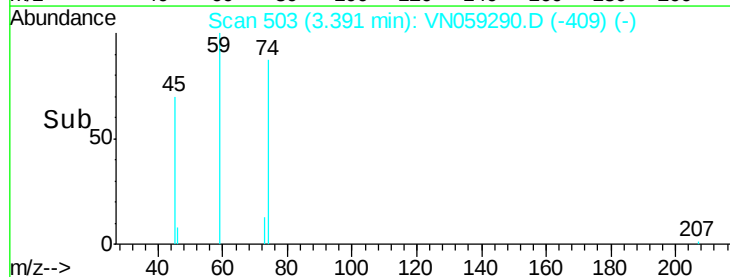
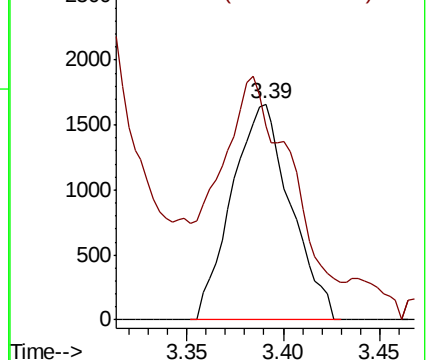
74 100

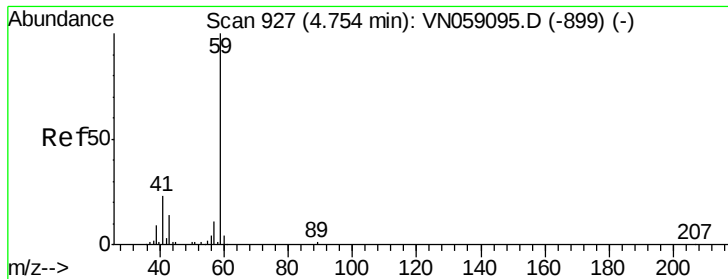
45 108.8 51.6 154.9



Abundance Ion 74.00 (73.70 to 74.70): VN059290.D (-409) (-)

Ion 45.00 (44.70 to 45.70): VN059290.D (-409) (-)



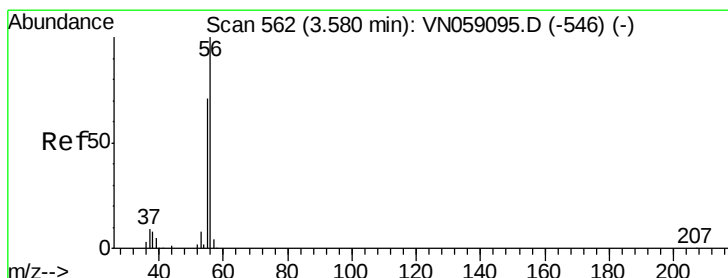
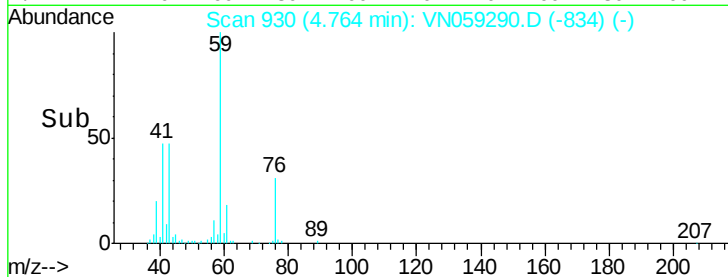
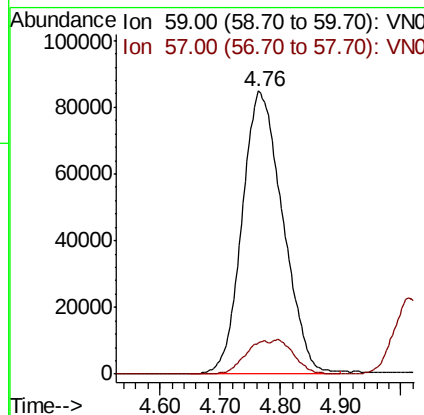
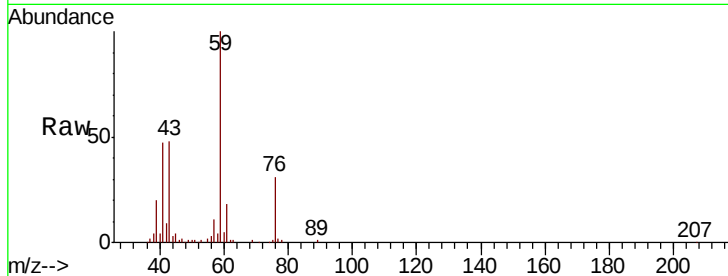


#11

Tert butyl alcohol
 Concen: 405.530 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN059290.D
 Acq: 18 Nov 2019 17:34

Instrument :
 MSVOA_N
 ClientSampled :

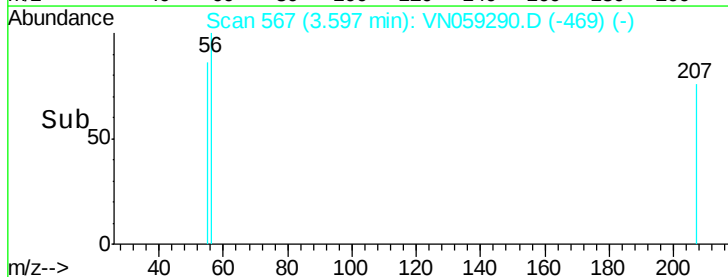
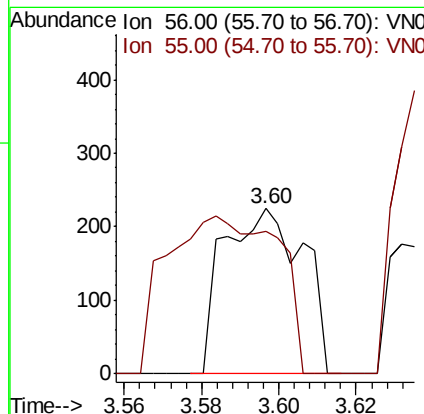
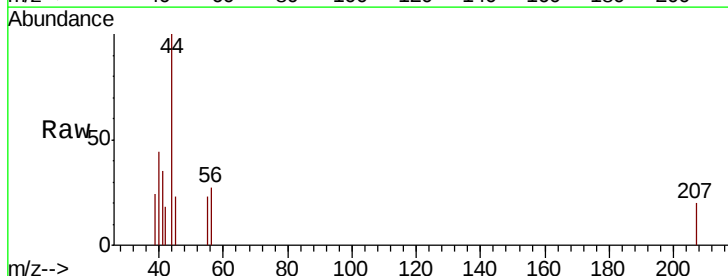
Tot Ion: 59 Resp: 399663
 Ion Ratio Lower Upper
 59 100
 57 6.7 8.3 12.5#

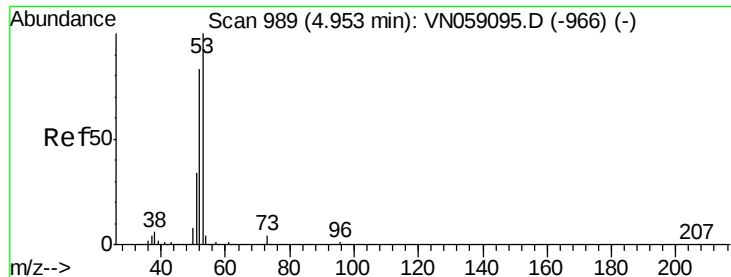


#13

Acrolein
 Concen: 0.636 ug/l
 RT: 3.60 min Scan# 567
 Delta R.T. 0.02 min
 Lab File: VN059290.D
 Acq: 18 Nov 2019 17:34

Tgt Ion: 56 Resp: 323
 Ion Ratio Lower Upper
 56 100
 55 132.5 56.4 84.6#





#15

Acrylonitrile

Concen: 1.479 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.05 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

ClientSampled :

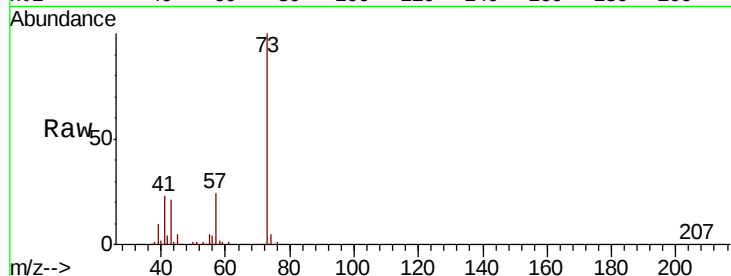
Tot Ion: 53 Resp: 3628

Ion Ratio Lower Upper

53 100

52 9.5 65.0 97.6#

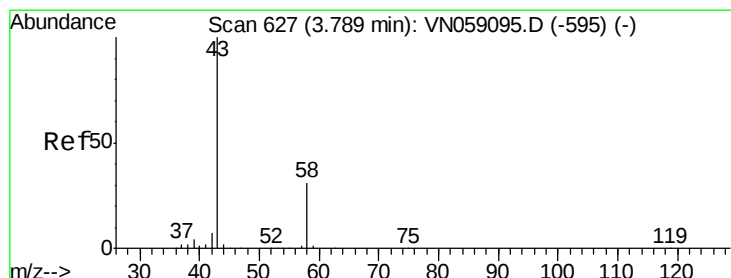
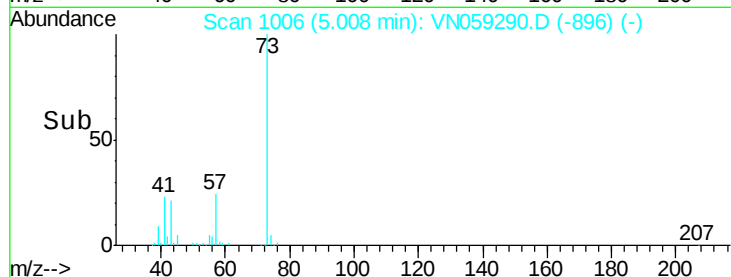
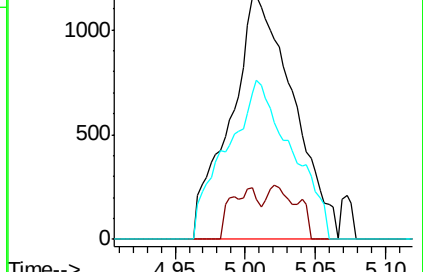
51 67.3 28.0 42.0#



Abundance Ion 53.00 (52.70 to 53.70): VN059290.D (-1006) (-)

Ion 52.00 (51.70 to 52.70): VN059290.D (-1006) (-)

Ion 51.00 (50.70 to 51.70): VN059290.D (-1006) (-)



#16

Acetone

Concen: 331.987 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059290.D

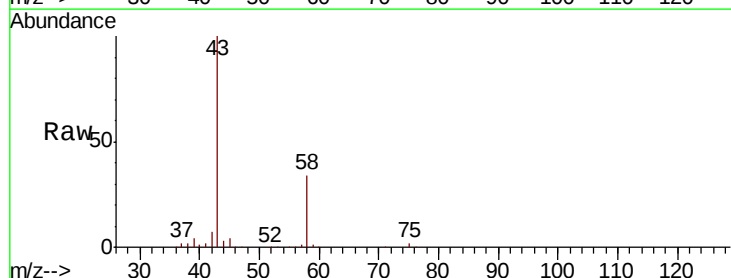
Acq: 18 Nov 2019 17:34

Tgt Ion: 43 Resp: 892765

Ion Ratio Lower Upper

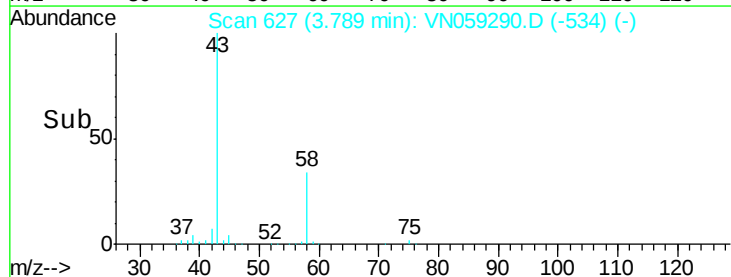
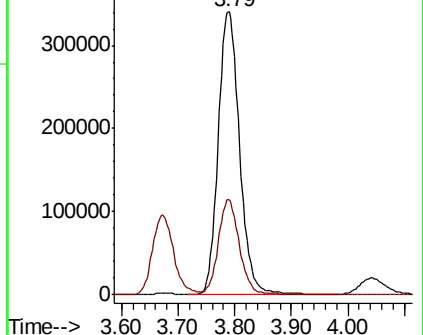
43 100

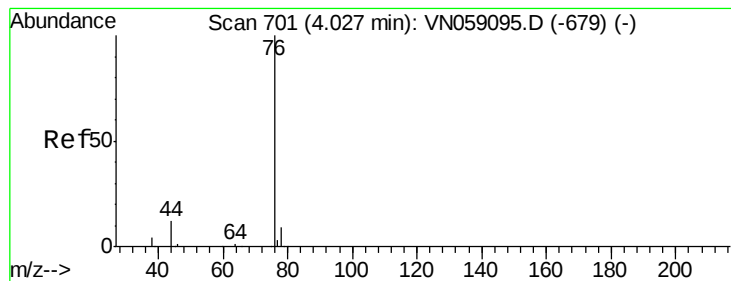
58 33.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059290.D (-627) (-)

Ion 58.00 (57.70 to 58.70): VN059290.D (-627) (-)





#17

Carbon Disulfide

Concen: 0.337 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

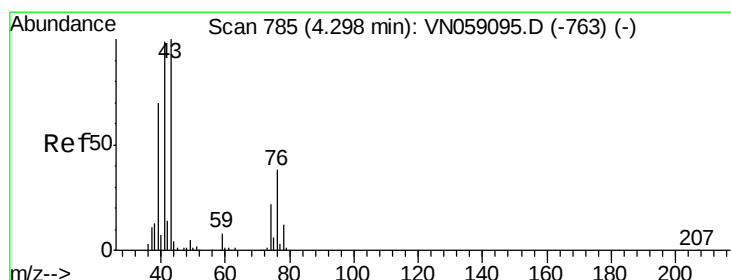
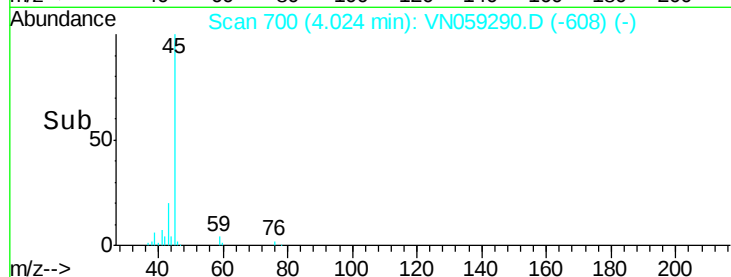
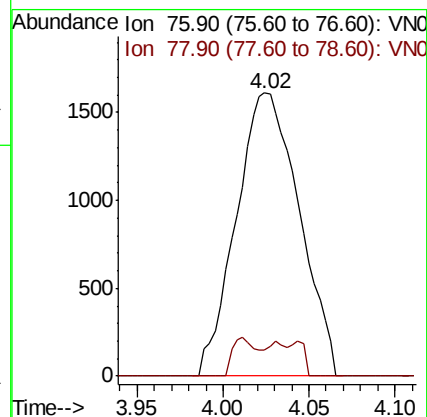
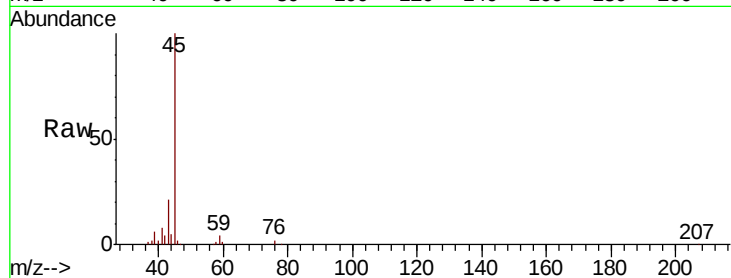
ClientSampleId :

Tot Ion: 76 Resp: 4104

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



#18

Methyl Acetate

Concen: 20.793 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059290.D

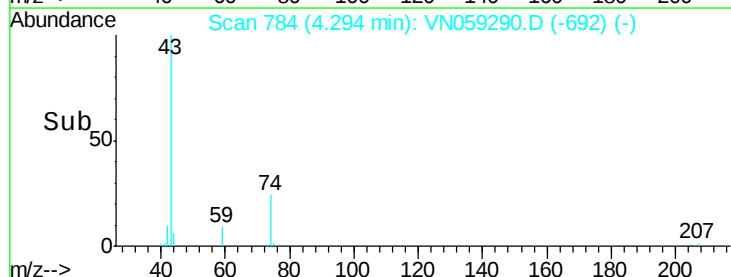
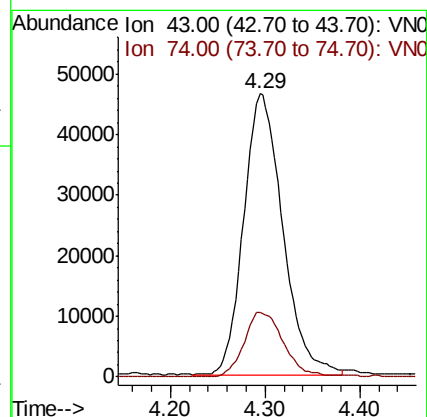
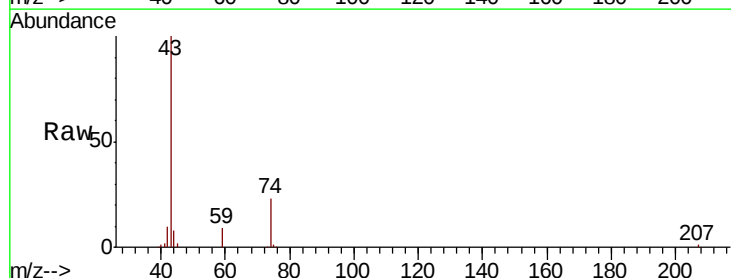
Acq: 18 Nov 2019 17:34

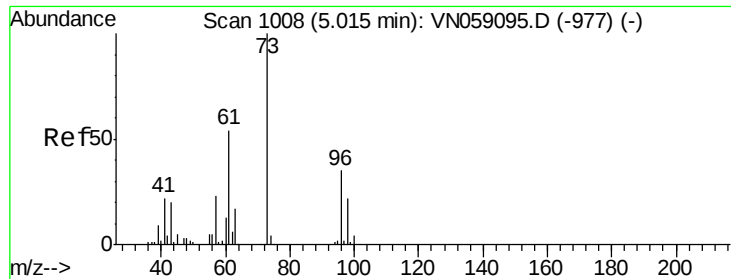
Tgt Ion: 43 Resp: 132720

Ion Ratio Lower Upper

43 100

74 23.5 17.8 26.8

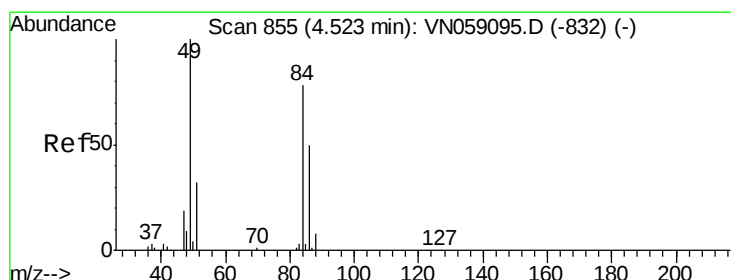
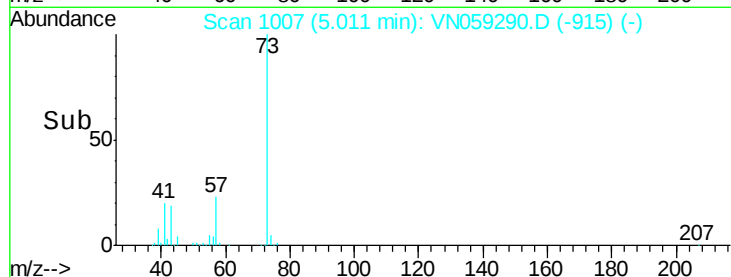
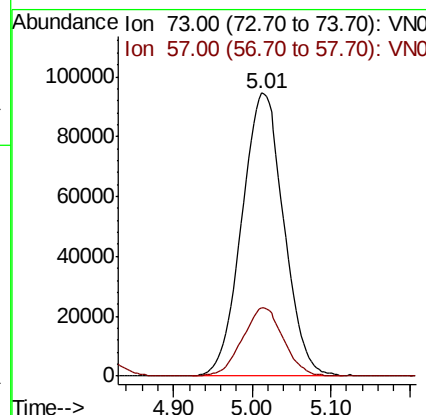
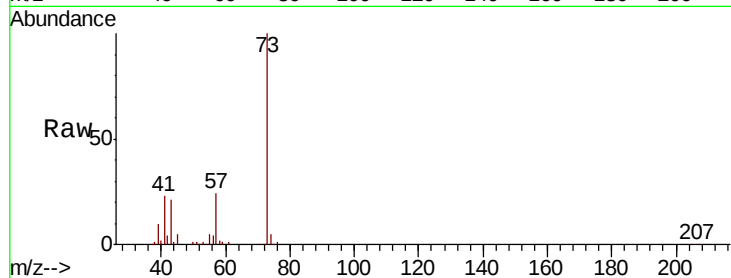




#19
Methvl tert-butvl Ether
Concen: 26.220 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

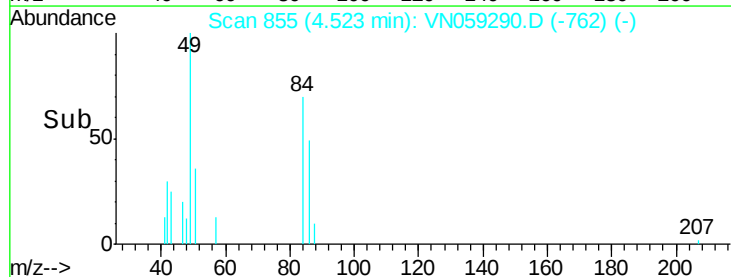
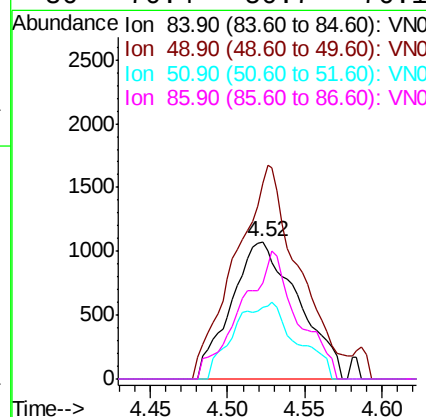
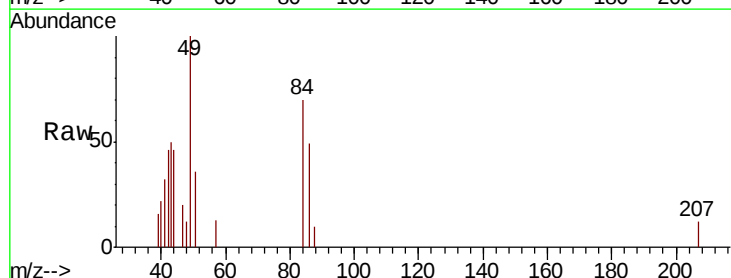
Instrument :
MSVOA_N
ClientSampleId :

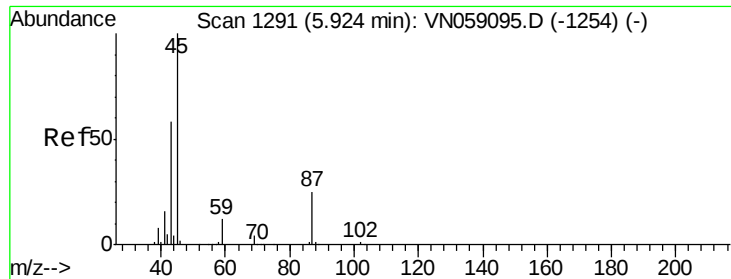
Tot Ion: 73 Resp: 354251
Ion Ratio Lower Upper
73 100
57 24.1 18.4 27.6



#20
Methylene Chloride
Concen: 0.696 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

Tgt Ion: 84 Resp: 3259
Ion Ratio Lower Upper
84 100
49 143.0 102.0 153.0
51 52.1 32.2 48.2#
86 70.4 50.7 76.1





#22

Diisopropyl ether

Concen: 56.830 ug/l

RT: 5.92 min Scan# 1291

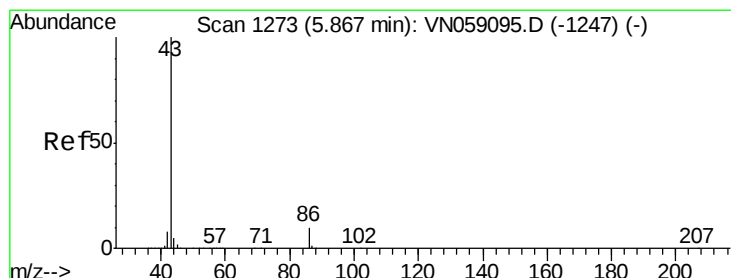
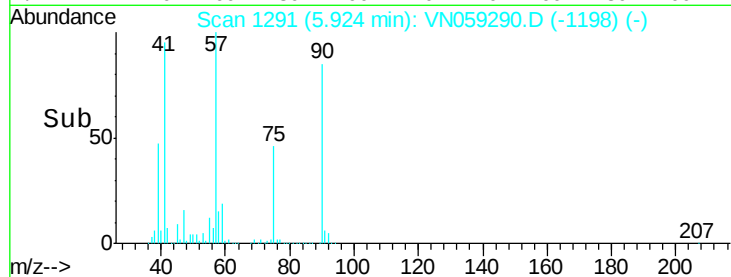
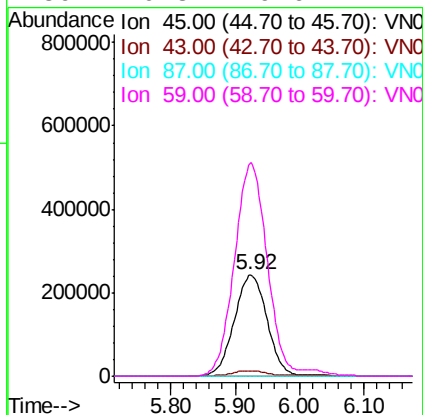
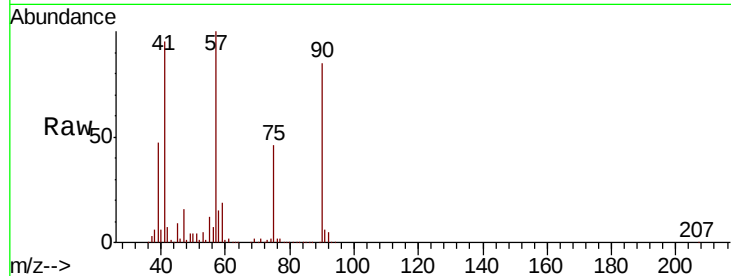
Delta R.T. -0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	45	Resp:	865301
Ion	Ratio	Lower	Upper
45	100		
43	5.5	46.7	70.1#
87	0.5	20.5	30.7#
59	210.3	9.6	14.4#



#23

Vinyl Acetate

Concen: 4.375 ug/l

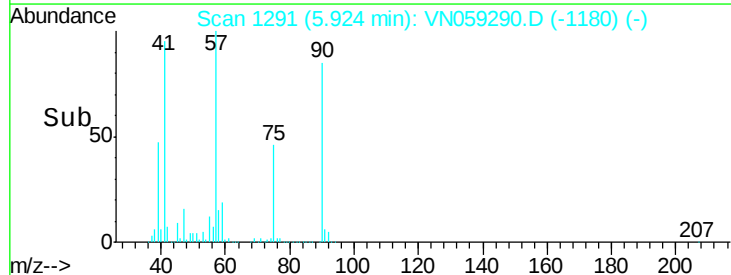
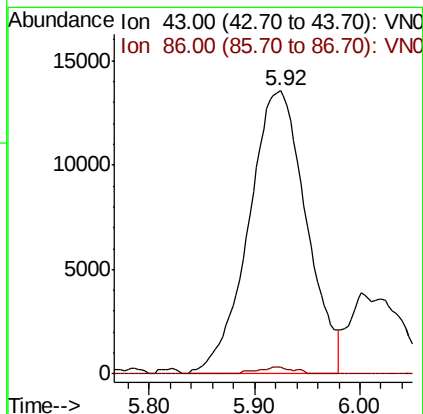
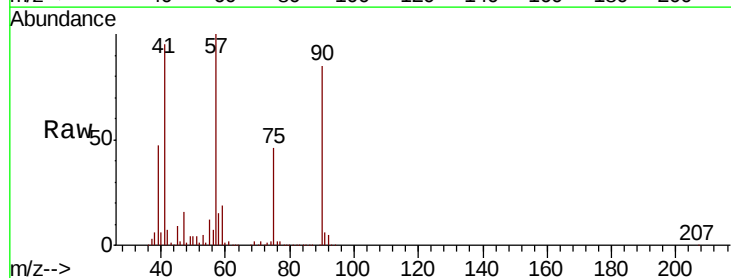
RT: 5.92 min Scan# 1291

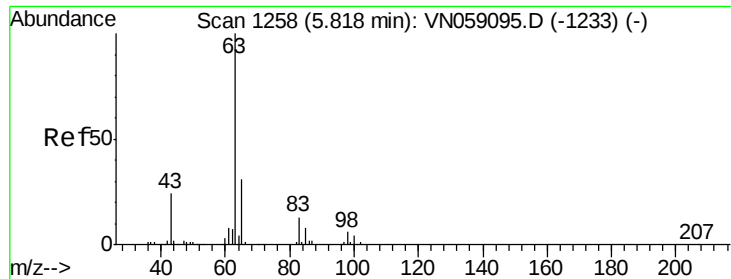
Delta R.T. 0.06 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Tgt Ion:	43	Resp:	51624
Ion	Ratio	Lower	Upper
43	100		
86	2.6	7.7	11.5#

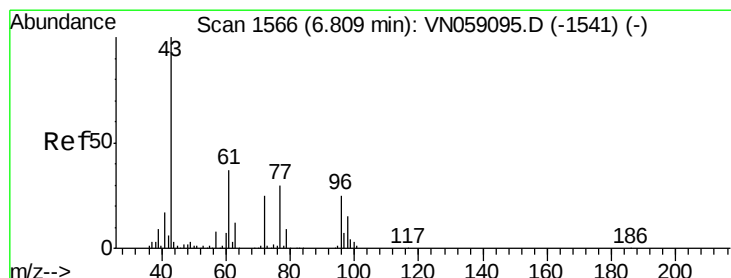
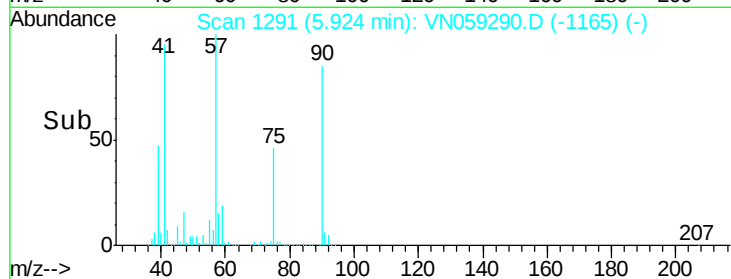
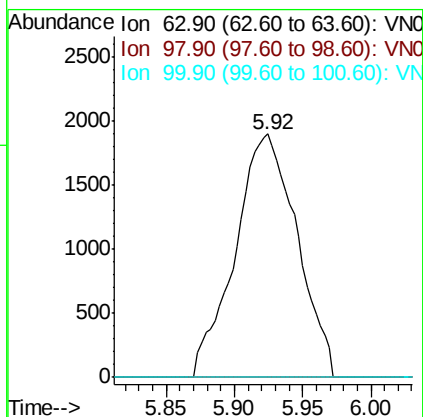
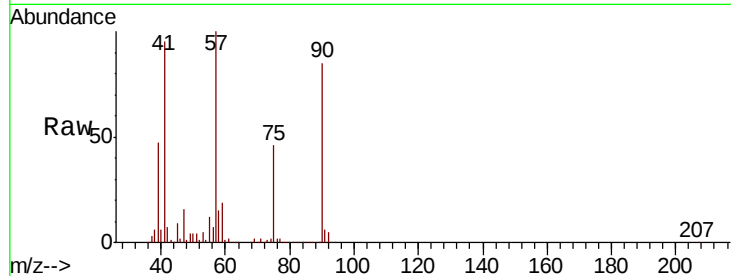




#24
 1,1-Dichloroethane
 Concen: 0.705 ug/l
 RT: 5.92 min Scan# 1291
 Delta R.T. 0.11 min
 Lab File: VN059290.D
 Acq: 18 Nov 2019 17:34

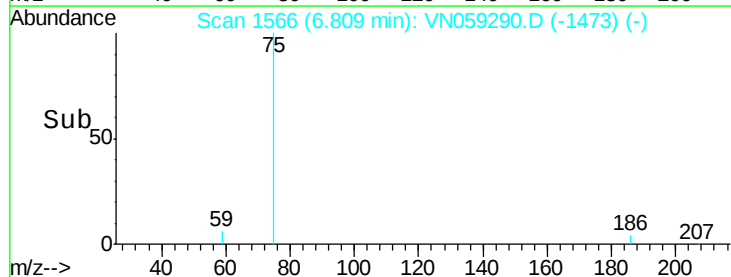
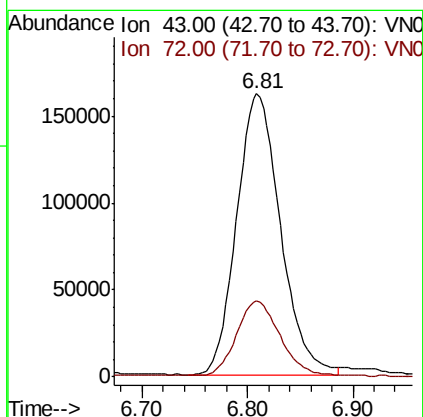
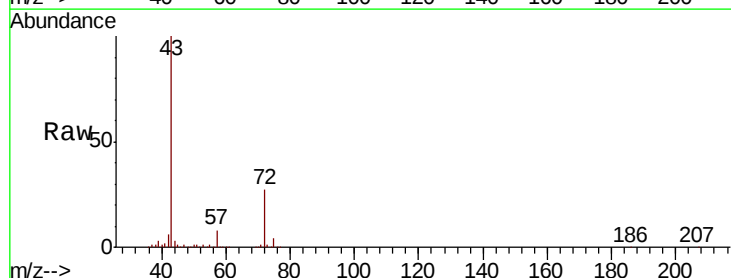
Instrument :
 MSVOA_N
 ClientSampled :

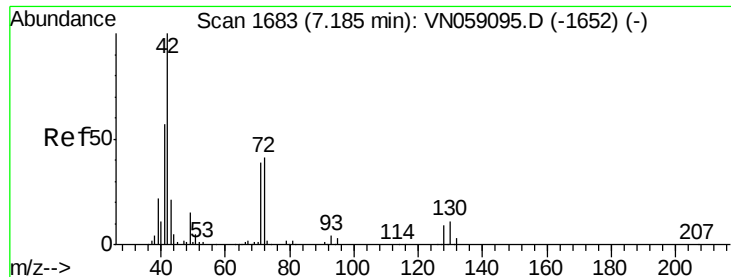
Tot Ion: 63 Resp: 5992
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.8 8.4#
 100 0.0 1.9 5.7#



#25
 2-Butanone
 Concen: 131.667 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN059290.D
 Acq: 18 Nov 2019 17:34

Tgt Ion: 43 Resp: 466647
 Ion Ratio Lower Upper
 43 100
 72 26.6 20.3 30.5

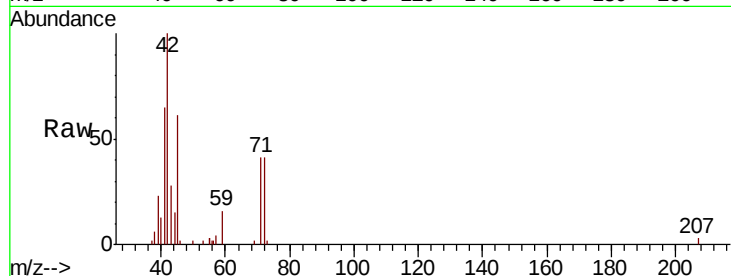




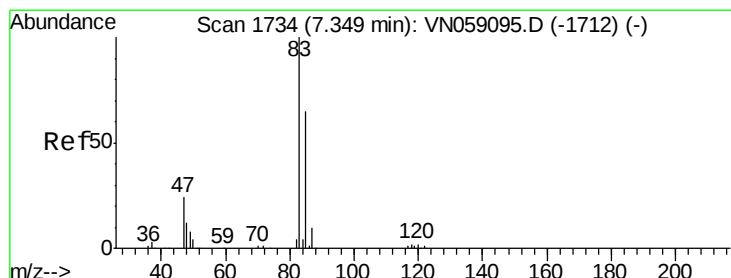
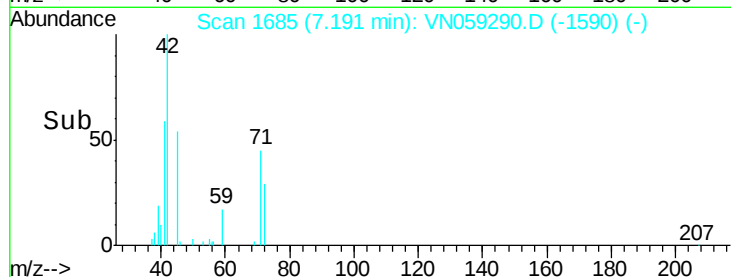
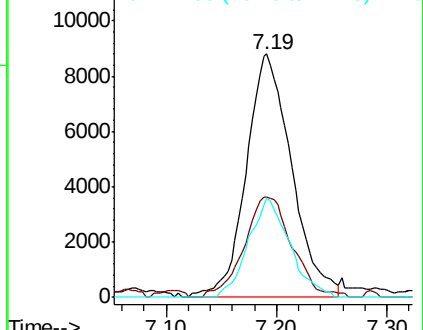
#29
Tetrahydrofuran
Concen: 11.154 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 25118
Ion Ratio Lower Upper
42 100
72 43.4 33.1 49.7
71 37.1 30.9 46.3

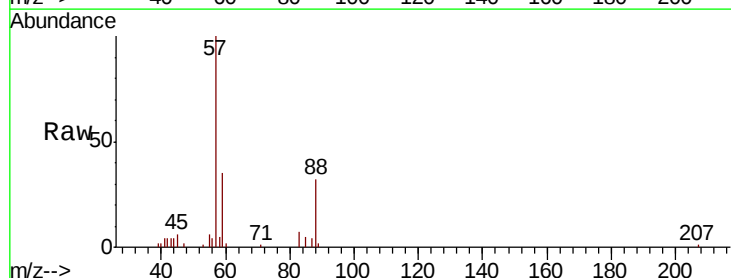


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

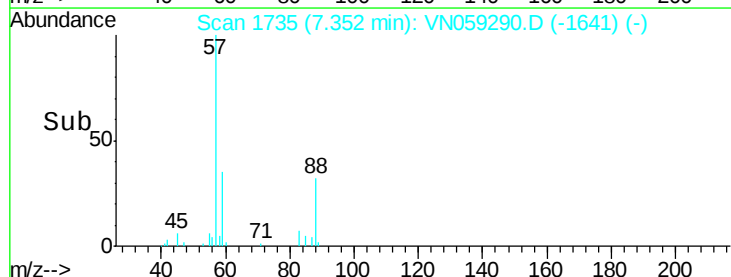
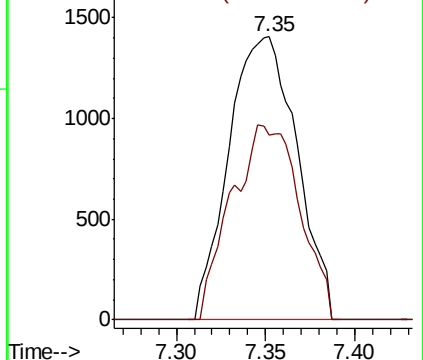


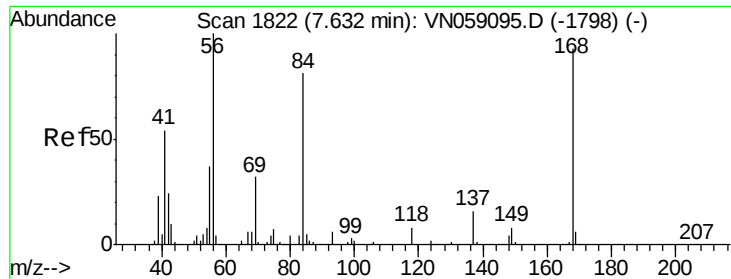
#30
Chloroform
Concen: 0.458 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

Tgt Ion: 83 Resp: 3736
Ion Ratio Lower Upper
83 100
85 65.1 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

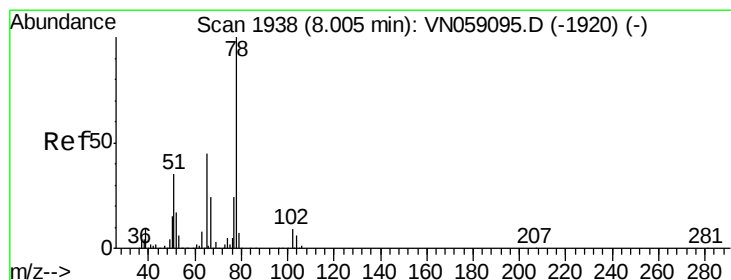
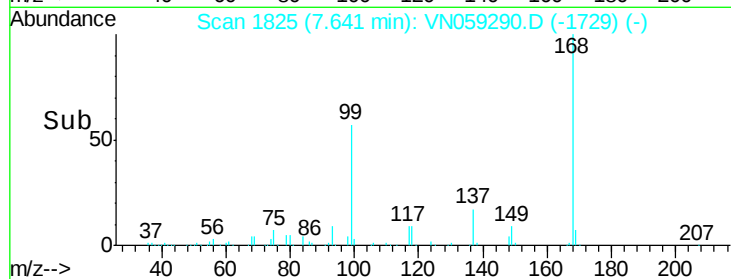
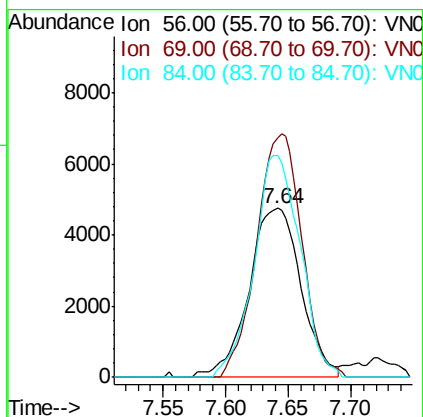
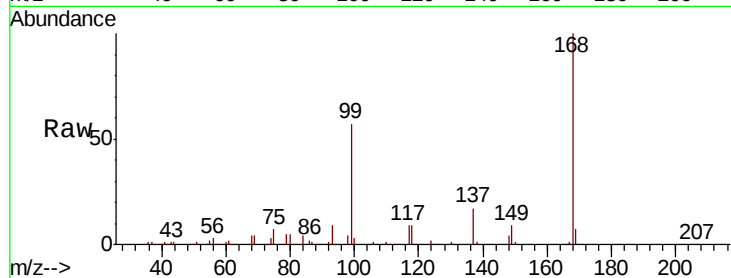




#31
Cyclohexane
Concen: 1.713 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

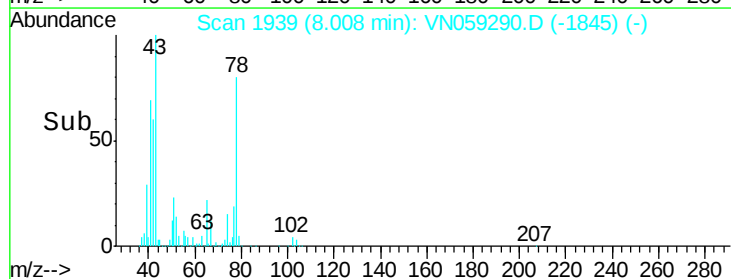
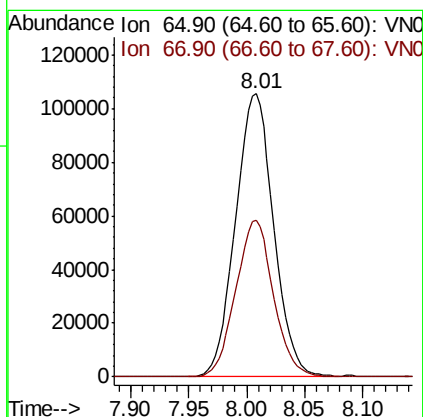
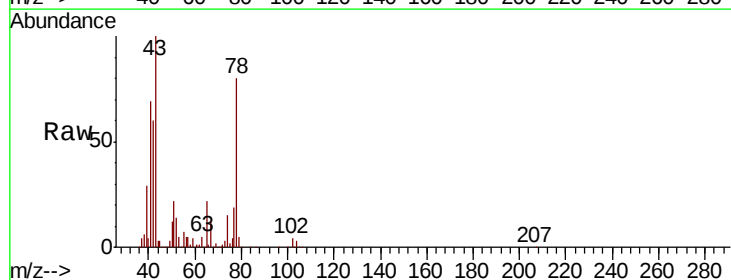
Instrument :
MSVOA_N
ClientSampleId :

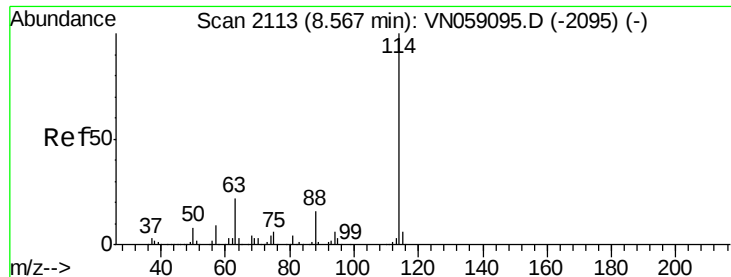
Tot Ion	56	Resp	13792
Ion Ratio	Lower	Upper	
56	100		
69	142.0	25.8	38.8#
84	130.9	65.0	97.4#



#33
1,2-Dichloroethane-d4
Concen: 46.680 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

Tgt Ion	65	Resp	241395
Ion Ratio	Lower	Upper	
65	100		
67	54.8	0.0	107.4

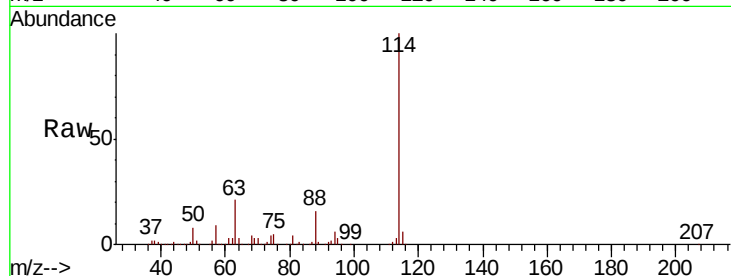




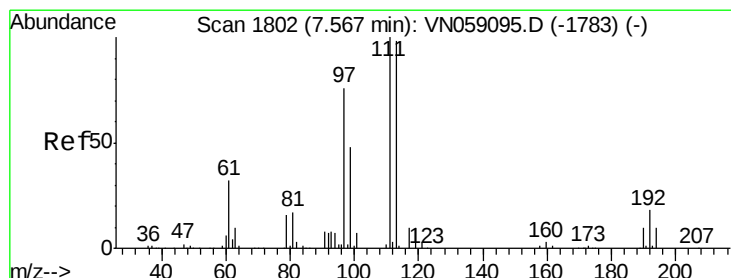
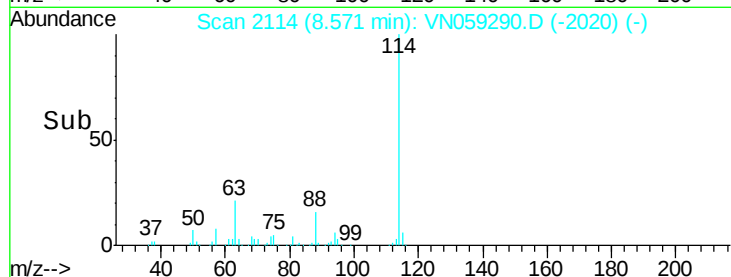
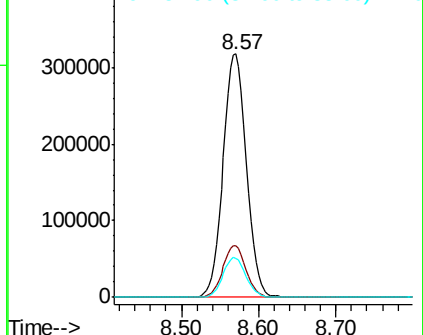
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059290.D
 Acq: 18 Nov 2019 17:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.4
88	16.2	0.0	32.2

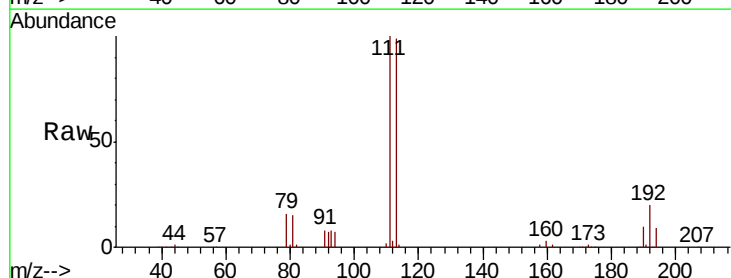


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

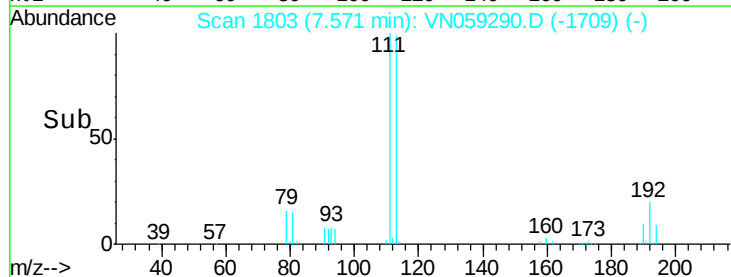
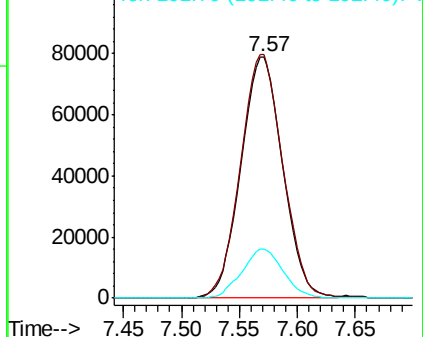


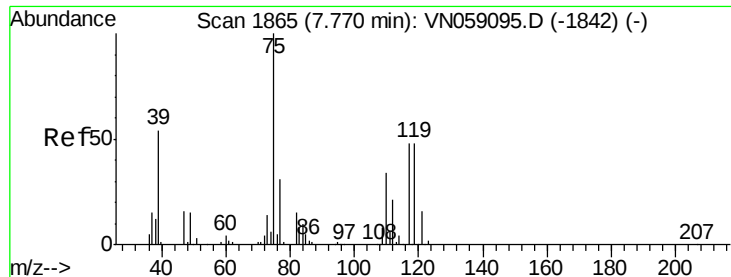
#35
 Dibromofluoromethane
 Concen: 49.982 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059290.D
 Acq: 18 Nov 2019 17:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.8	124.2
192	20.3	16.1	24.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

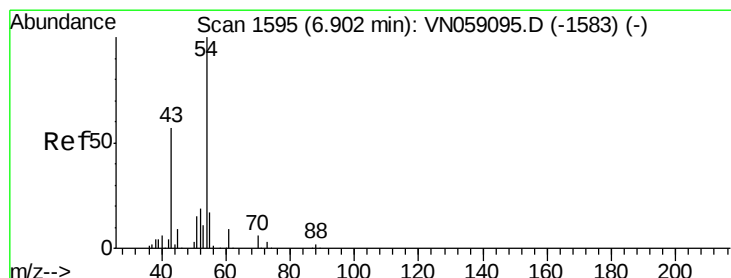
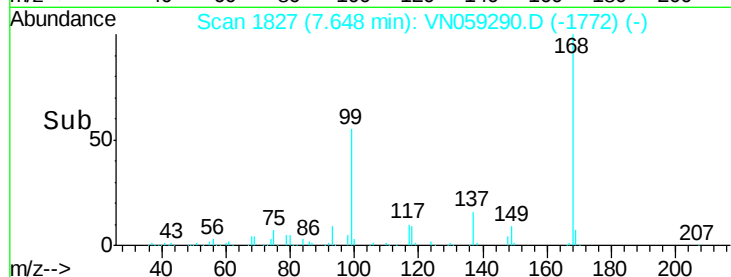
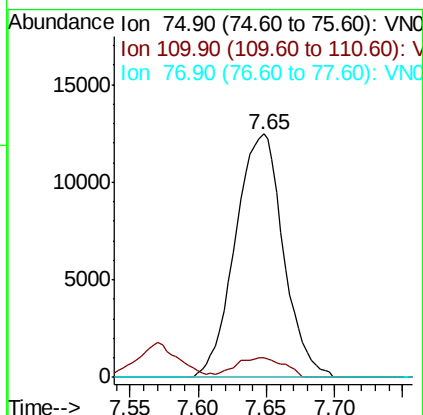
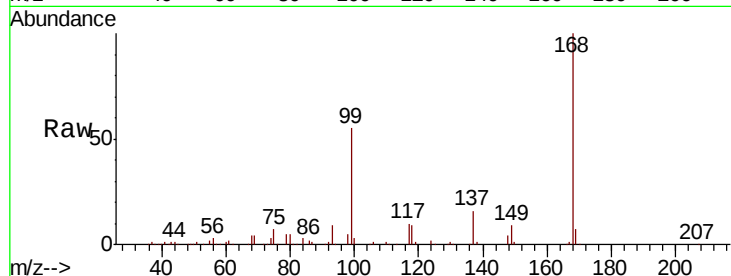




#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.12 min
 Lab File: VN059290.D
 Acq: 18 Nov 2019 17:34

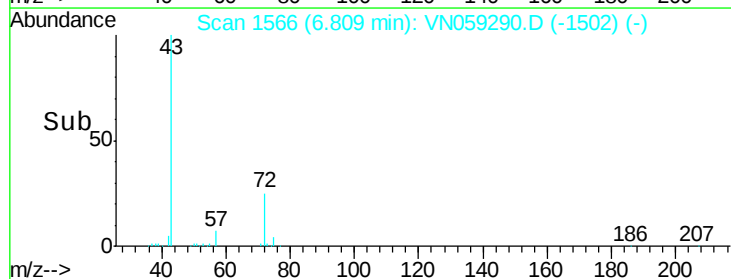
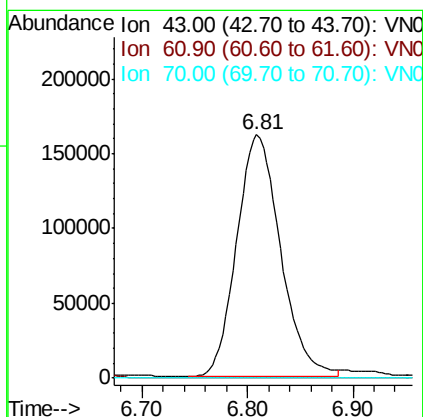
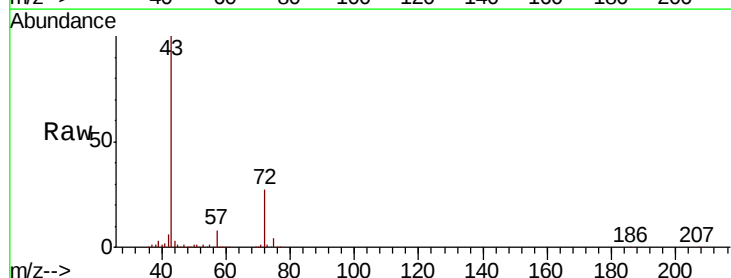
Instrument :
 MSVOA_N
 ClientSampleId :

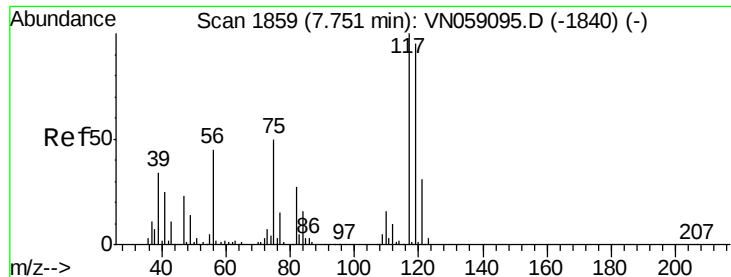
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.1	51.2#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 67.644 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN059290.D
 Acq: 18 Nov 2019 17:34

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	7.8	11.8#





#38

Carbon Tetrachloride

Concen: 6.556 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.10 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

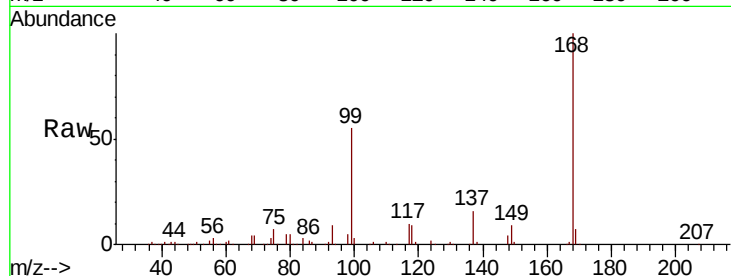
Tot Ion:117 Resp: 40462

Ion Ratio Lower Upper

117 100

119 5.6 75.6 113.4#

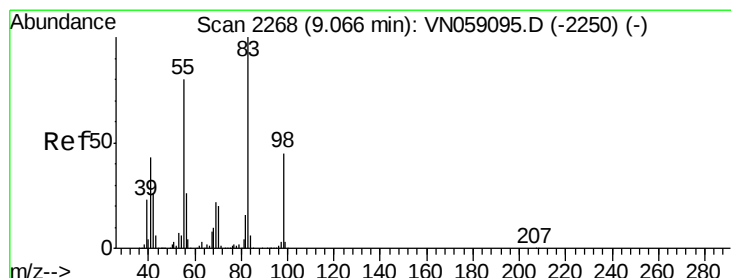
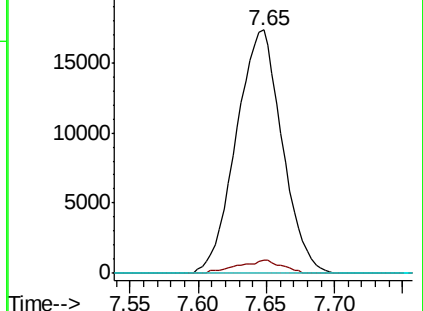
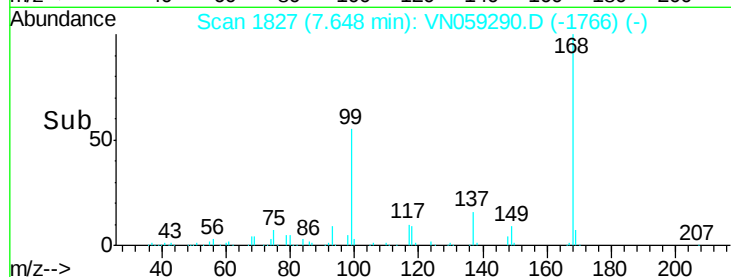
121 0.0 24.6 36.8#



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: 0.861 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

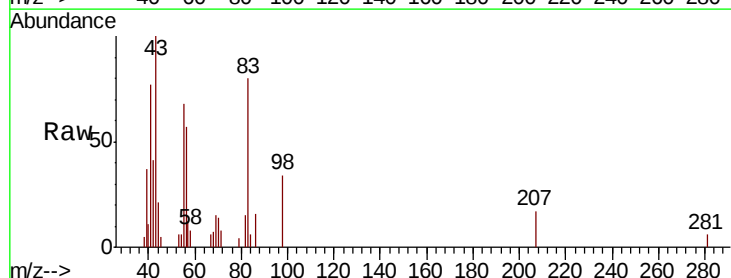
Tgt Ion: 83 Resp: 6194

Ion Ratio Lower Upper

83 100

55 70.8 63.9 95.9

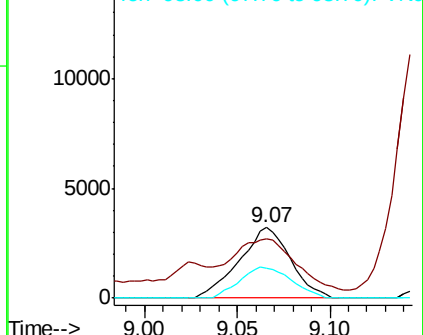
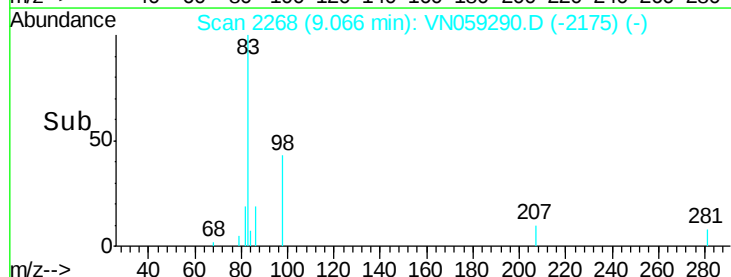
98 42.9 35.6 53.4

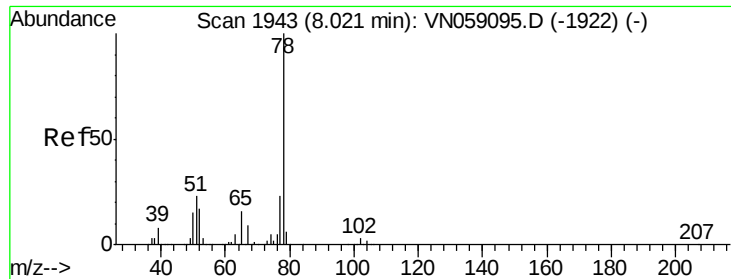


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 70.526 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

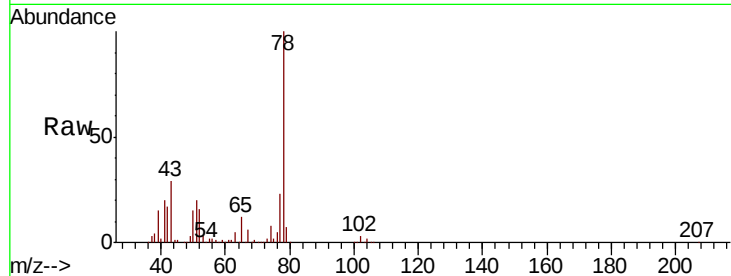
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 78 Resp: 1316993

Ion Ratio Lower Upper

78 100

77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VNC

Ion 77.00 (76.70 to 77.70): VNC

8.02

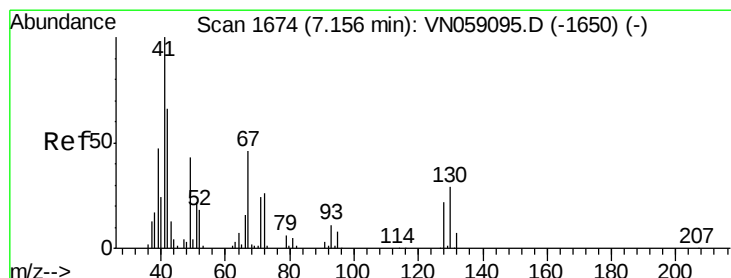
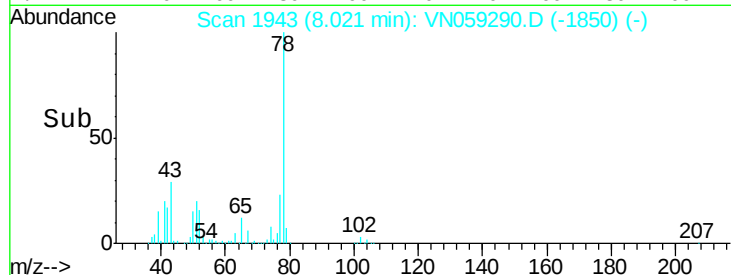
600000

400000

200000

0

Time-->



#41

Methacrylonitrile

Concen: 4.983 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.04 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Tgt Ion: 41 Resp: 14949

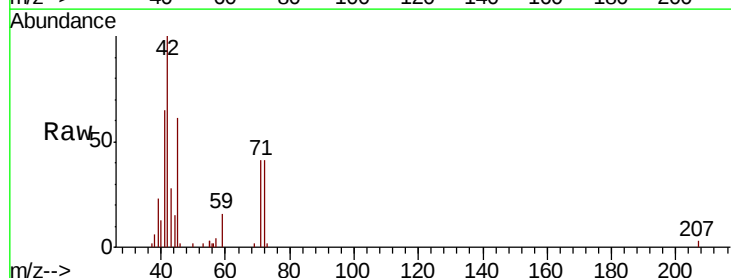
Ion Ratio Lower Upper

41 100

39 38.5 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC

8000

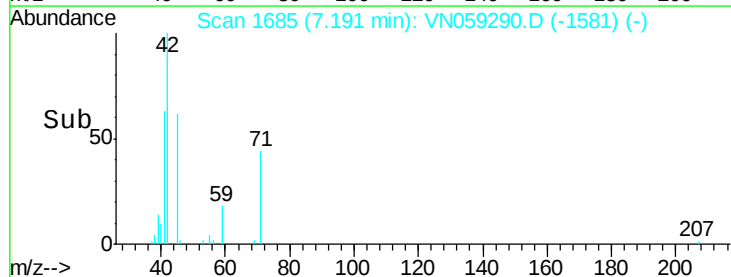
6000

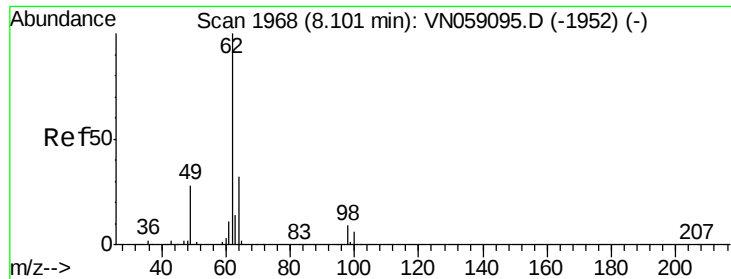
4000

2000

0

Time-->





#42

1,2-Dichloroethane

Concen: 1.676 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.07 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

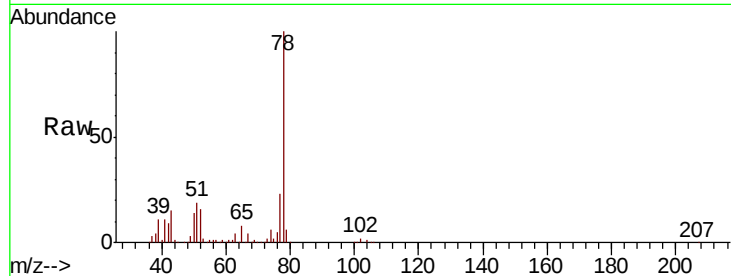
ClientSampleId :

Tot Ion: 62 Resp: 10733

Ion Ratio Lower Upper

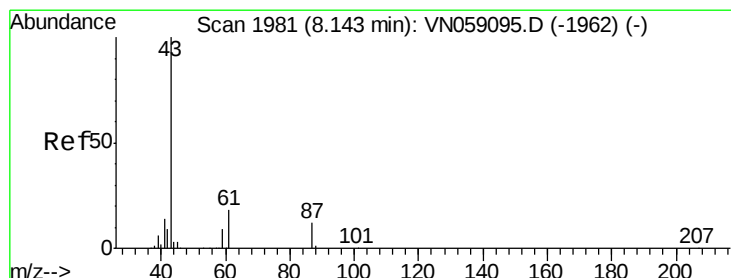
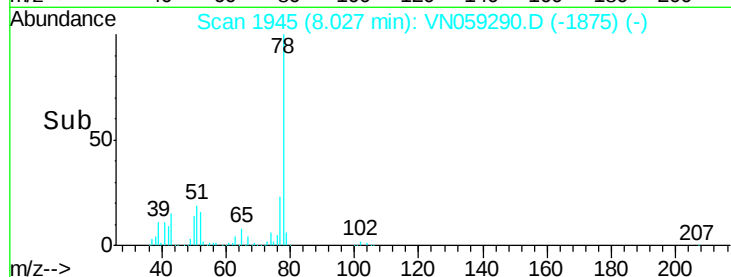
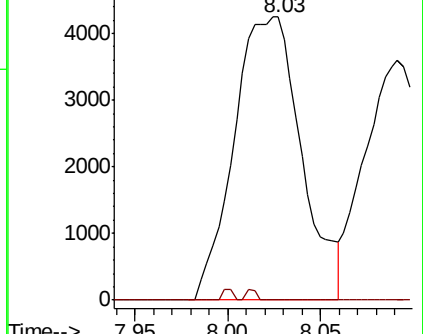
62 100

98 0.6 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#43

Isopropyl Acetate

Concen: 148.586 ug/l

RT: 8.00 min Scan# 1935

Delta R.T. -0.15 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

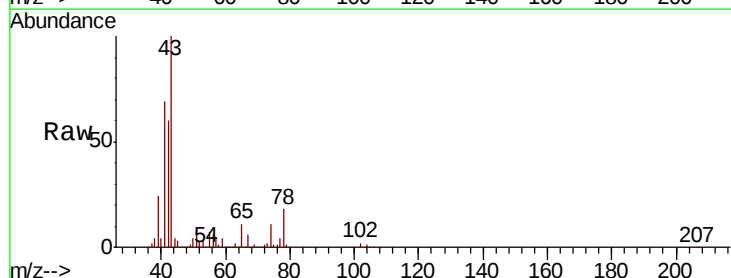
Tgt Ion: 43 Resp: 1634173

Ion Ratio Lower Upper

43 100

61 0.8 21.0 31.6#

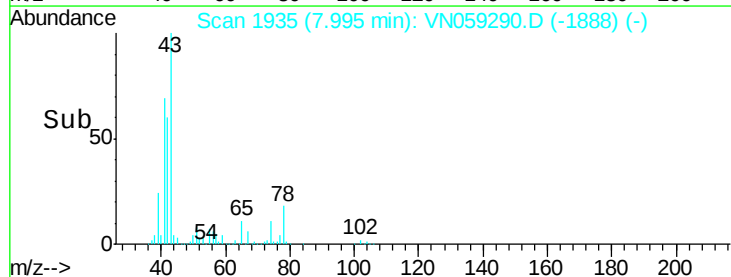
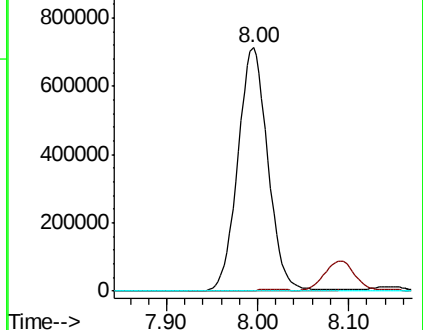
87 0.0 9.8 14.6#

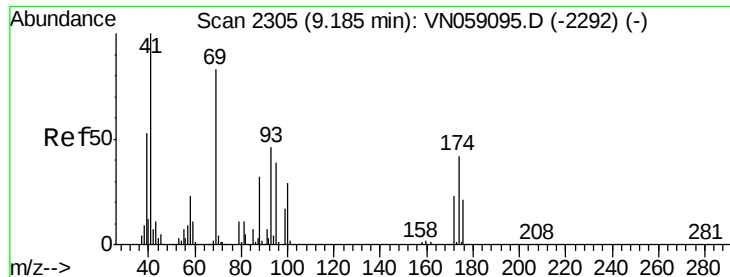


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

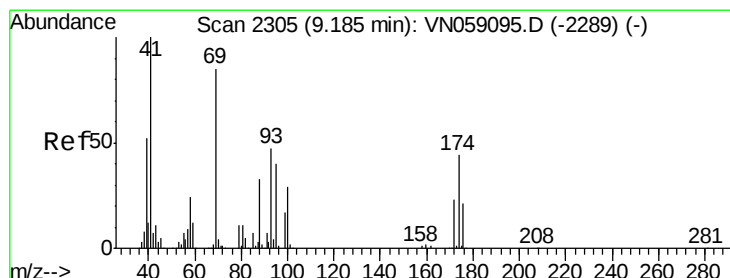
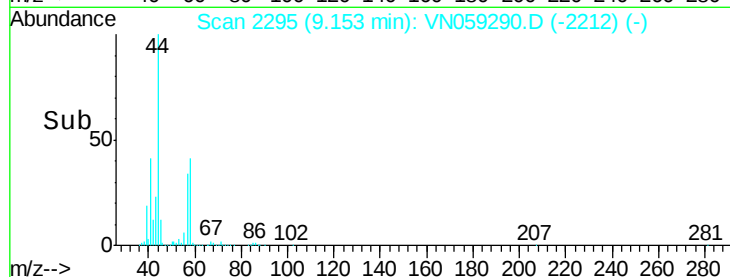
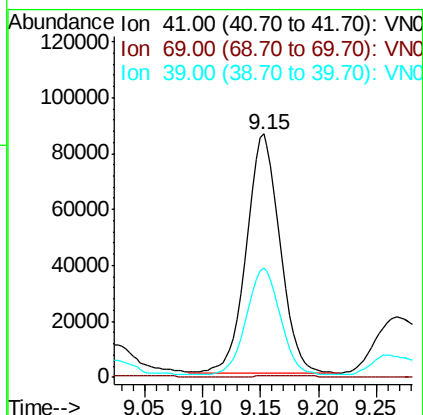
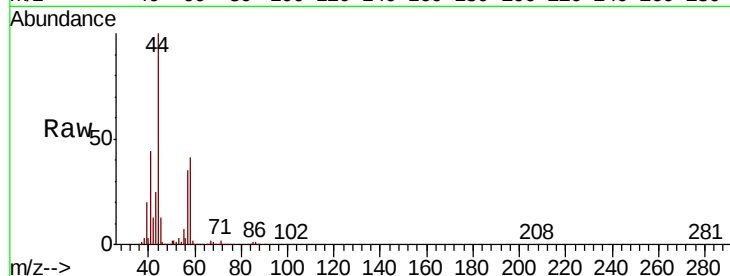




#48
Methvl methacrylate
Concen: 35.094 ug/l
RT: 9.15 min Scan# 2295
Delta R.T. -0.03 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

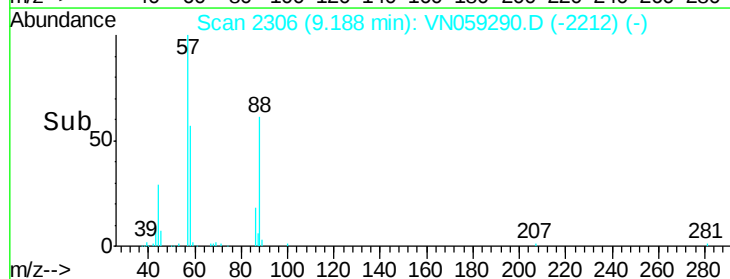
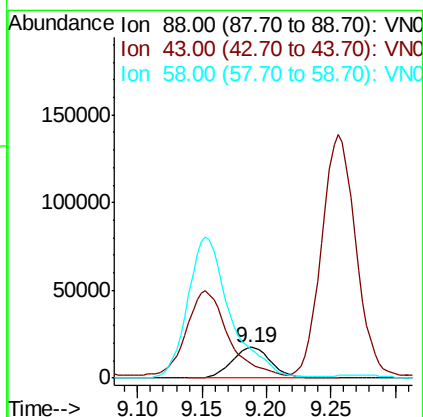
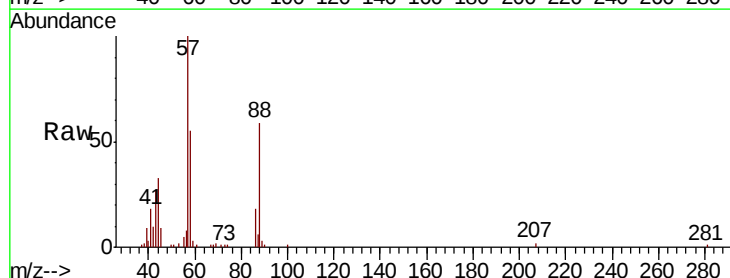
Instrument :
MSVOA_N
ClientSampled :

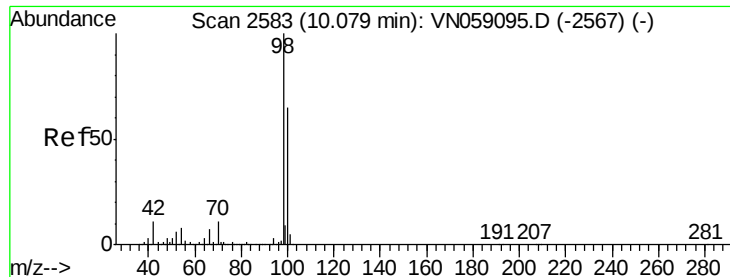
Tot Ion: 41 Resp: 172644
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 45.1 43.3 64.9



#49
1,4-Dioxane
Concen: 425.104 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

Tgt Ion: 88 Resp: 37165
Ion Ratio Lower Upper
88 100
43 0.0 26.3 39.5#
58 0.0 60.6 90.8#





#50

Toluene-d8

Concen: 51.625 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

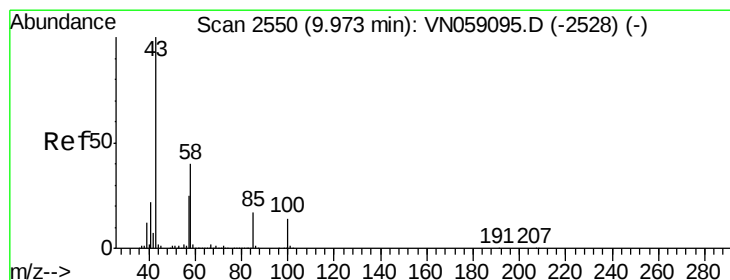
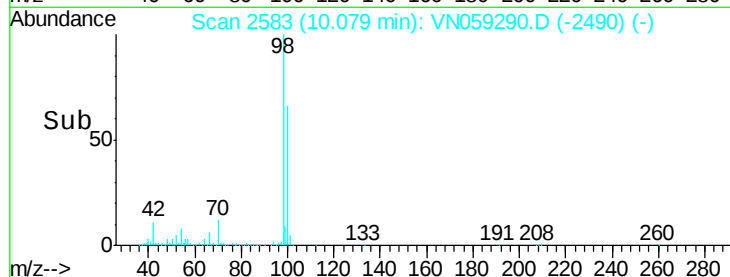
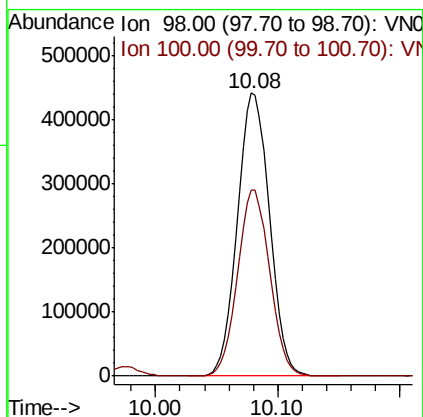
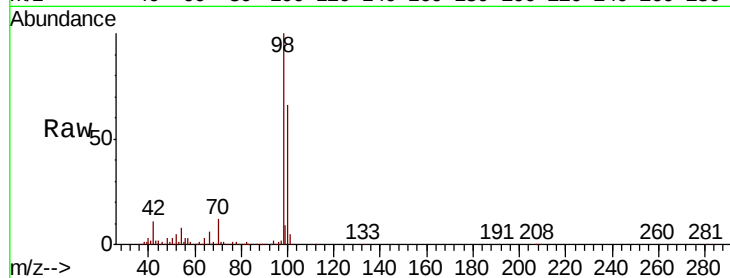
ClientSampleId :

Tot Ion: 98 Resp: 805522

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 29.390 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059290.D

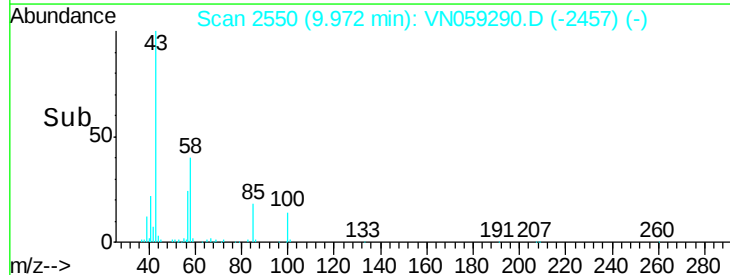
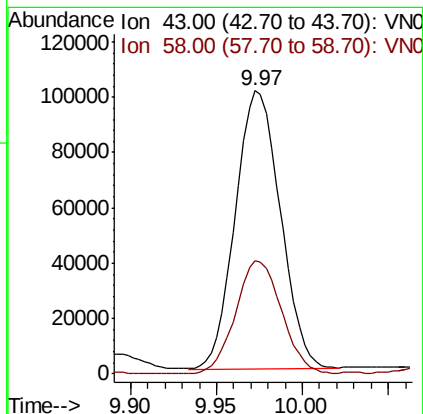
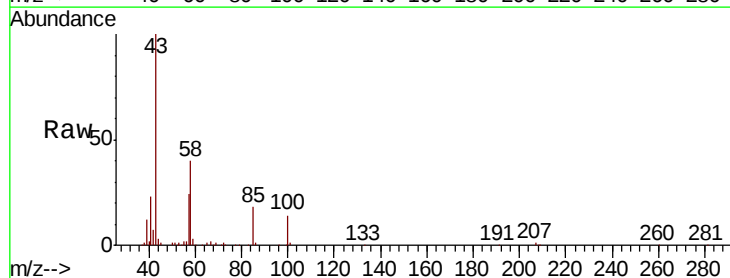
Acq: 18 Nov 2019 17:34

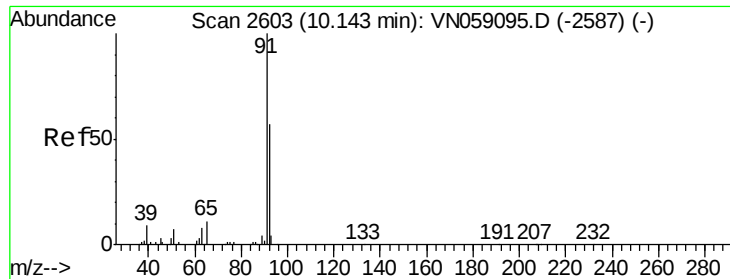
Tgt Ion: 43 Resp: 182893

Ion Ratio Lower Upper

43 100

58 41.6 31.5 47.3





#52

Toluene

Concen: 65.375 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

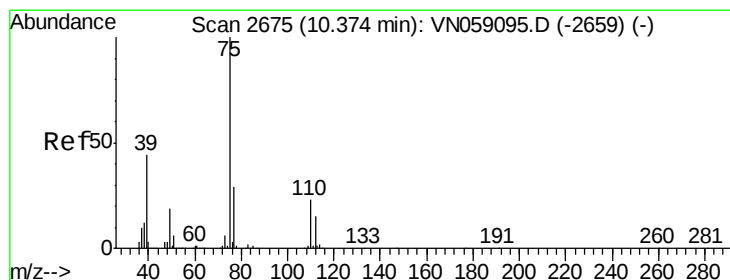
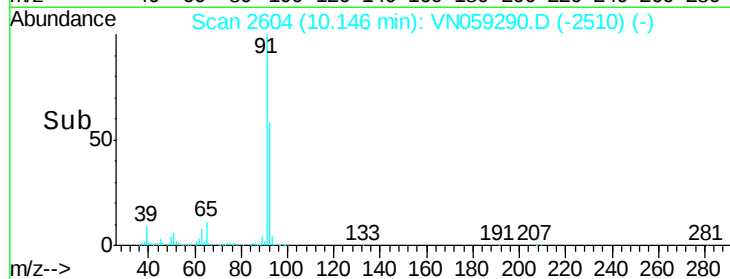
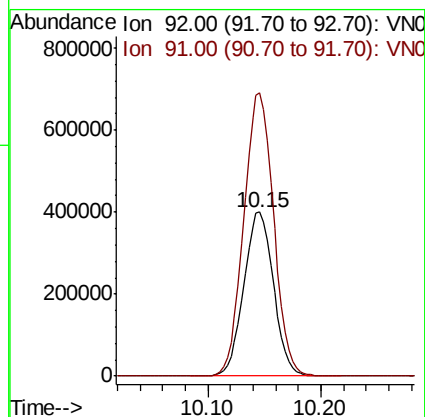
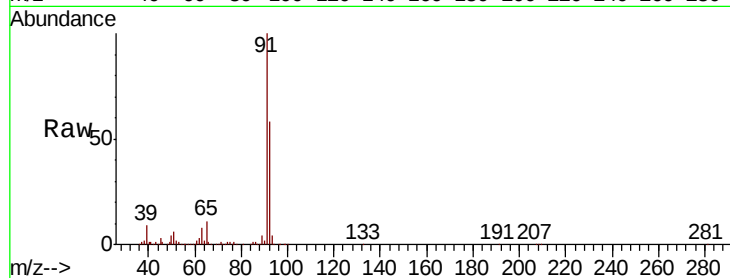
ClientSampleId :

Tot Ion: 92 Resp: 731717

Ion Ratio Lower Upper

92 100

91 173.7 139.5 209.3



#53

t-1,3-Dichloropropene

Concen: 0.667 ug/l

RT: 10.45 min Scan# 2700

Delta R.T. 0.08 min

Lab File: VN059290.D

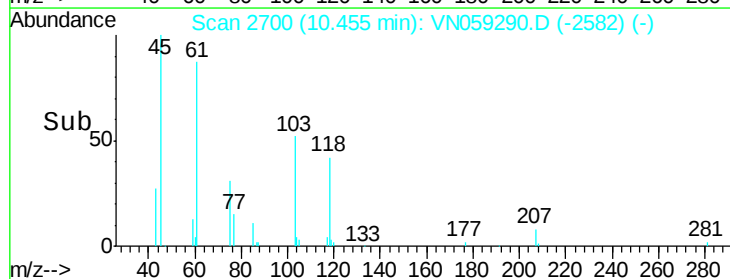
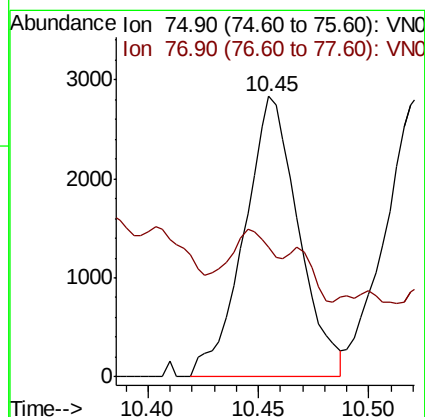
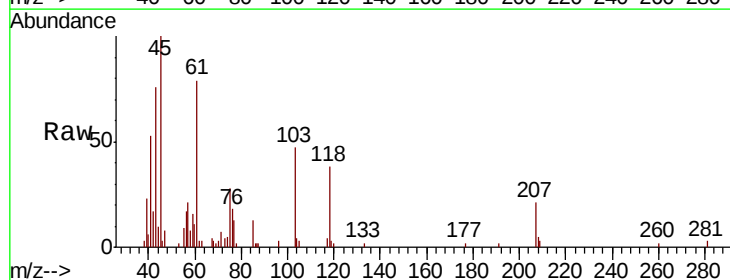
Acq: 18 Nov 2019 17:34

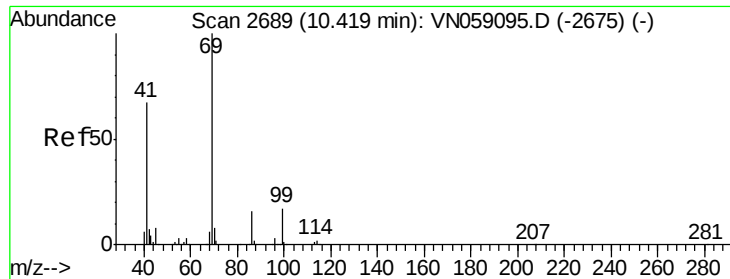
Tgt Ion: 75 Resp: 4865

Ion Ratio Lower Upper

75 100

77 18.0 25.3 37.9#





#56

Ethyl methacrylate

Concen: 3.370 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.07 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

ClientSampled :

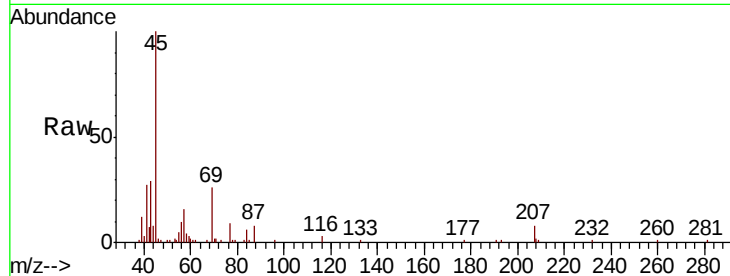
Tot Ion: 69 Resp: 11752

Ion Ratio Lower Upper

69 100

41 81.0 53.6 80.4#

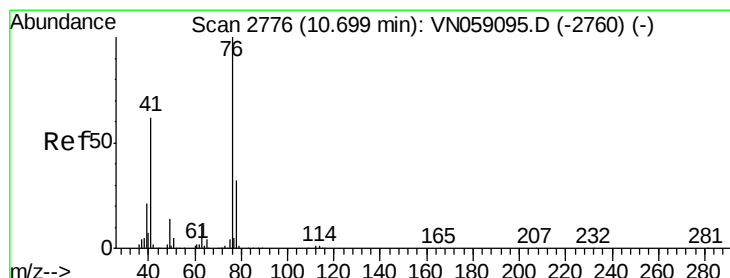
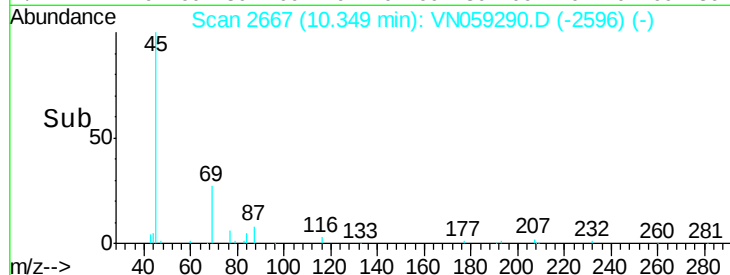
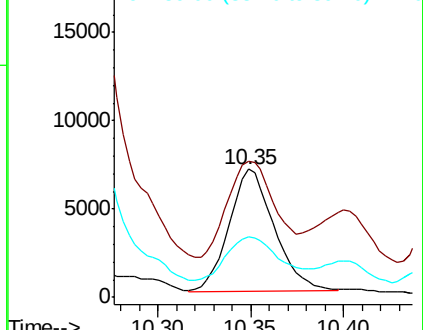
39 40.3 26.2 39.4#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.205 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN059290.D

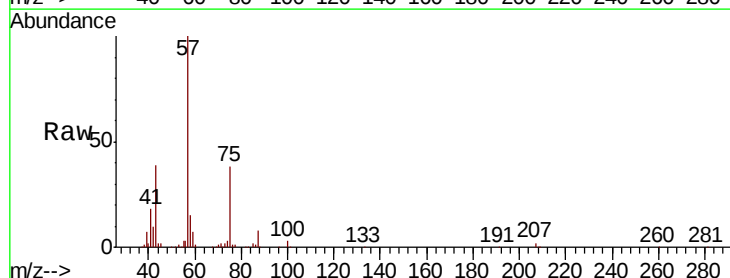
Acq: 18 Nov 2019 17:34

Tgt Ion: 76 Resp: 1596

Ion Ratio Lower Upper

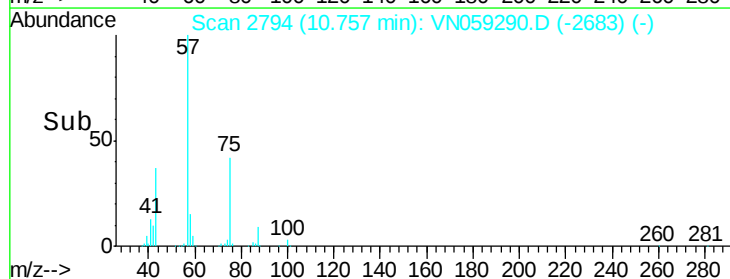
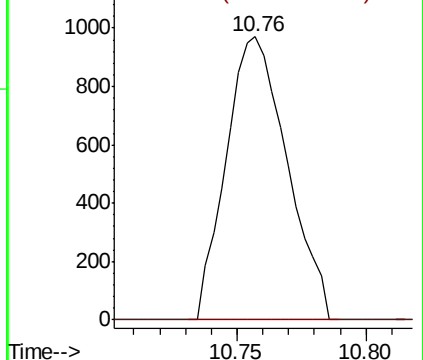
76 100

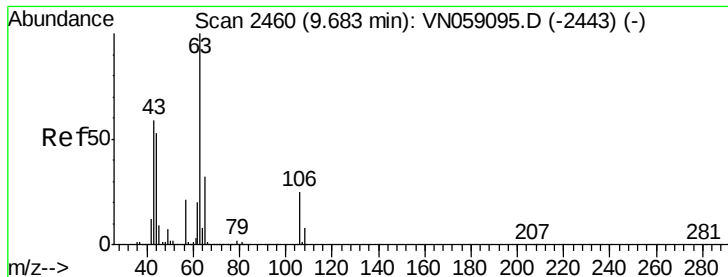
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

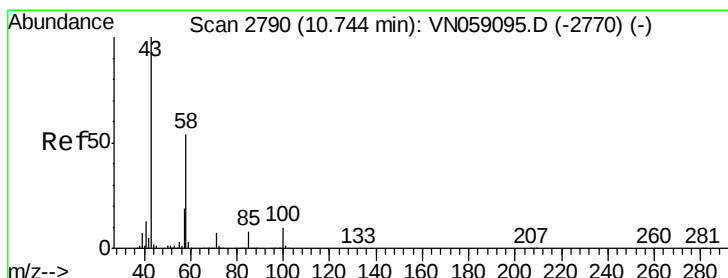
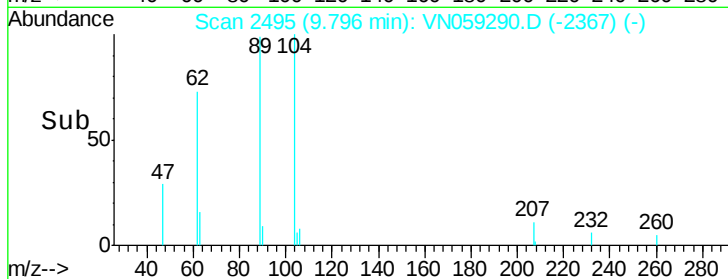
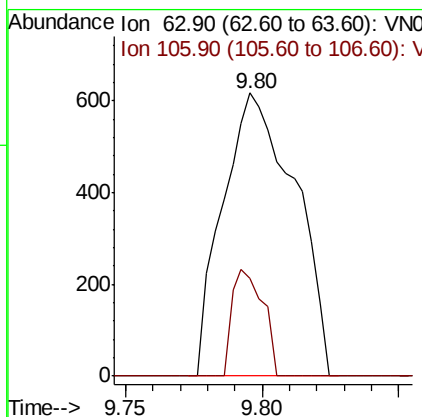
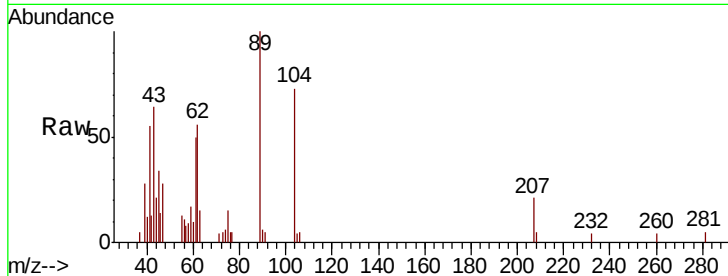




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.449 ug/l
 RT: 9.80 min Scan# 2495
 Delta R.T. 0.11 min
 Lab File: VN059290.D
 Acq: 18 Nov 2019 17:34

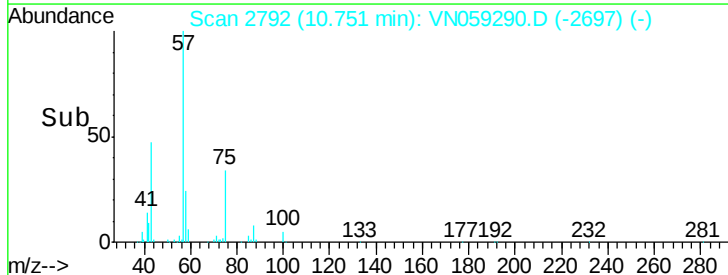
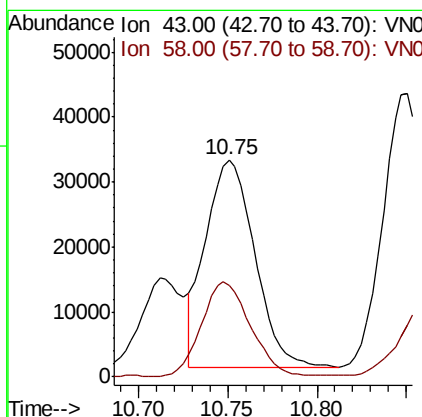
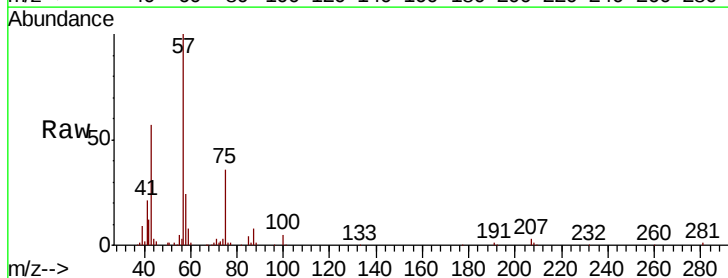
Instrument :
 MSVOA_N
 ClientSampleId :

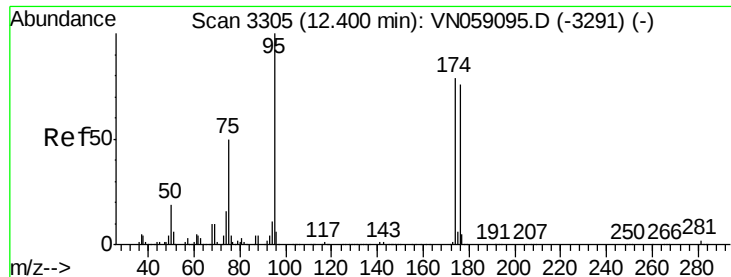
Tot Ion: 63 Resp: 1132
 Ion Ratio Lower Upper
 63 100
 106 16.2 20.2 30.2#



#59
 2-Hexanone
 Concen: 12.831 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.01 min
 Lab File: VN059290.D
 Acq: 18 Nov 2019 17:34

Tgt Ion: 43 Resp: 61287
 Ion Ratio Lower Upper
 43 100
 58 46.1 27.3 81.8

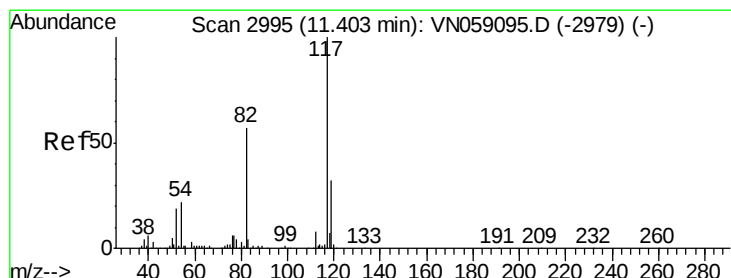
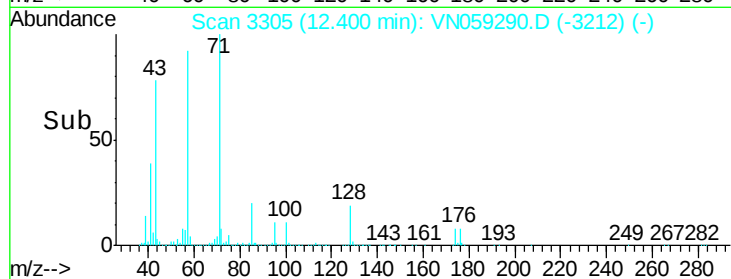
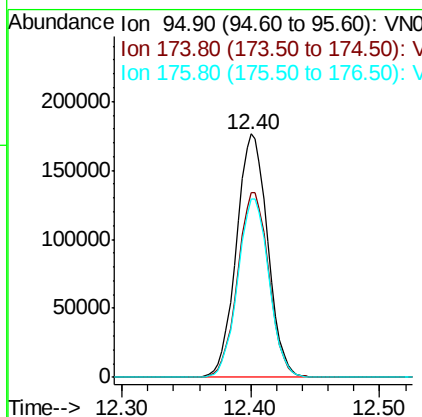
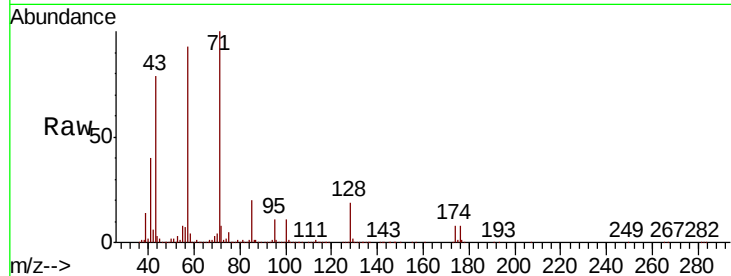




#62
4-Bromofluorobenzene
Concen: 52.712 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

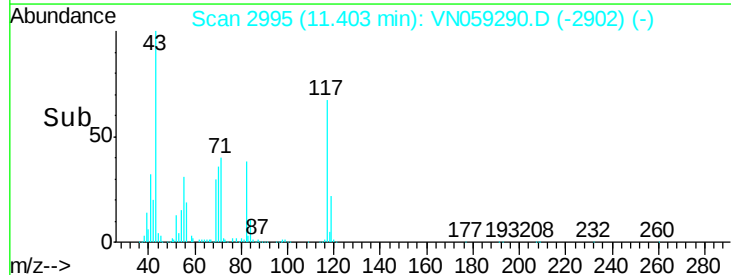
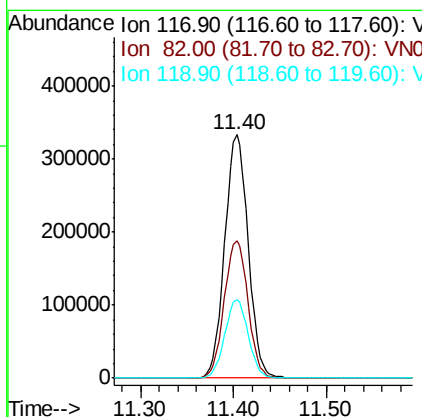
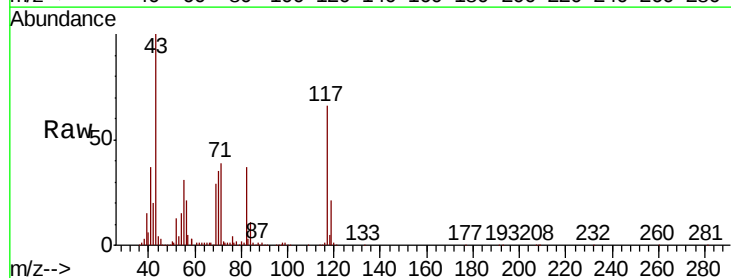
Instrument :
MSVOA_N
ClientSampleId :

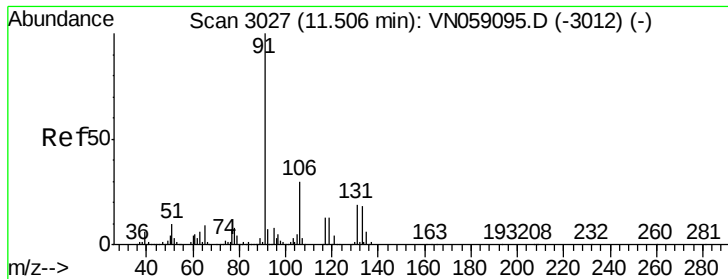
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	158.2
176	73.4	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.8	68.8
119	32.3	25.8	38.6





#67

Ethyl Benzene

Concen: 33.891 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

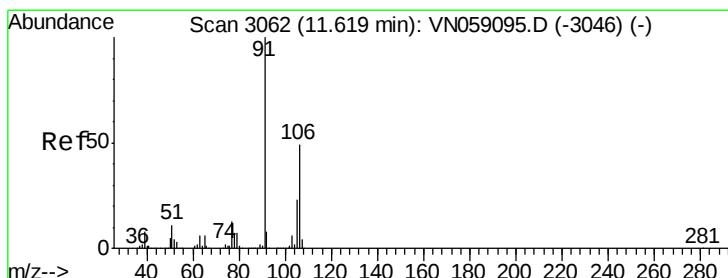
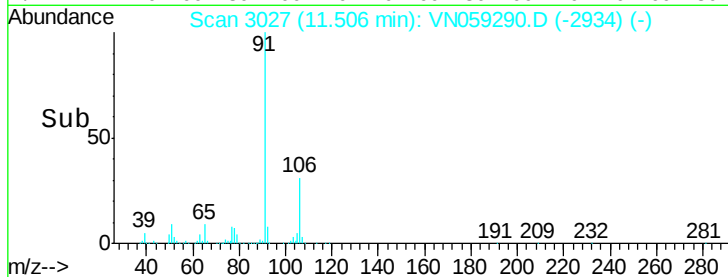
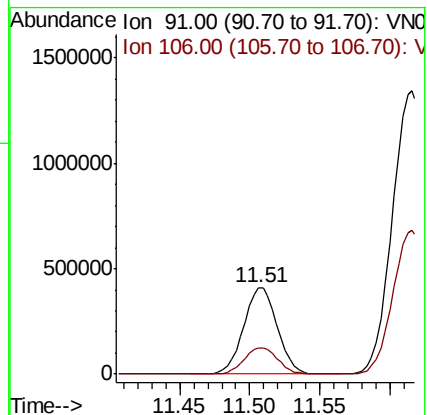
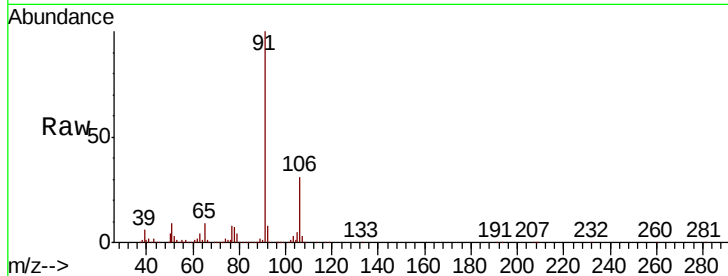
ClientSampled :

Tot Ion: 91 Resp: 683839

Ion Ratio Lower Upper

91 100

106 30.6 24.1 36.1



#68

m/p-Xylenes

Concen: 168.957 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059290.D

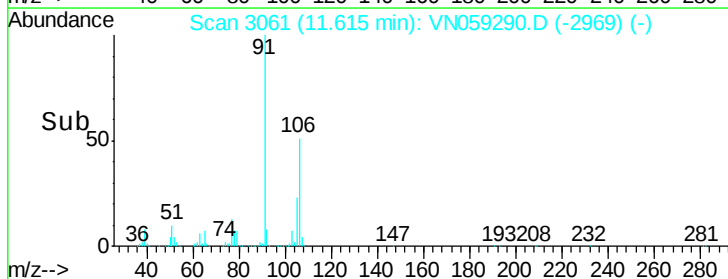
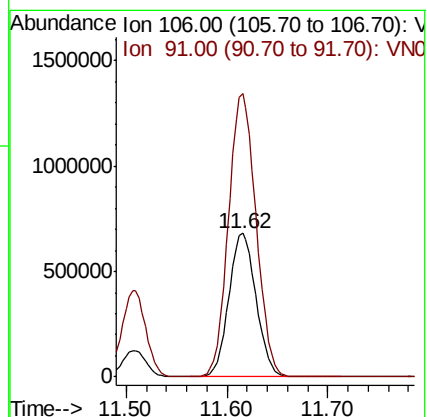
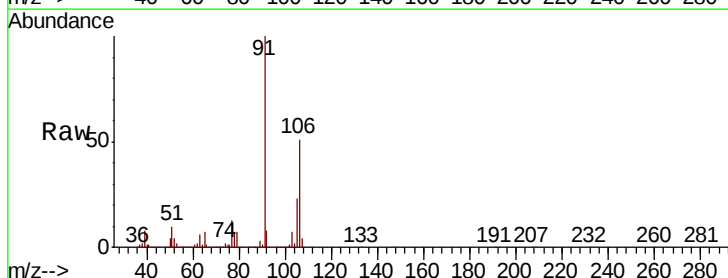
Acq: 18 Nov 2019 17:34

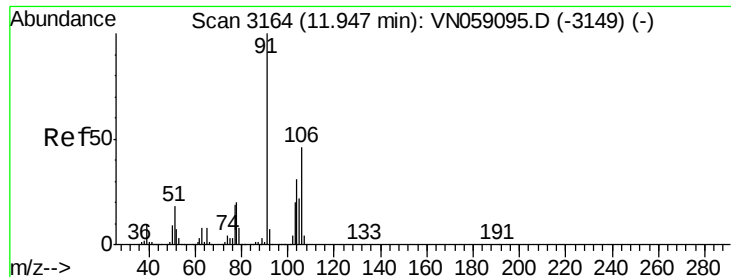
Tgt Ion: 106 Resp: 1277011

Ion Ratio Lower Upper

106 100

91 200.4 164.7 247.1

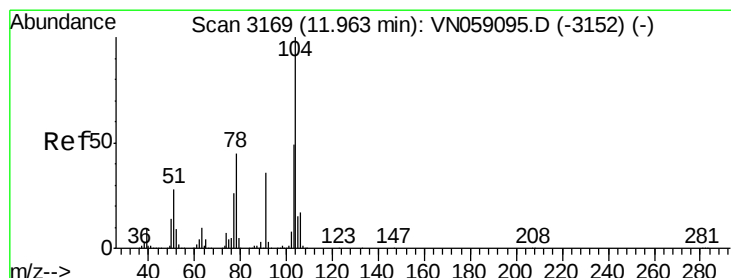
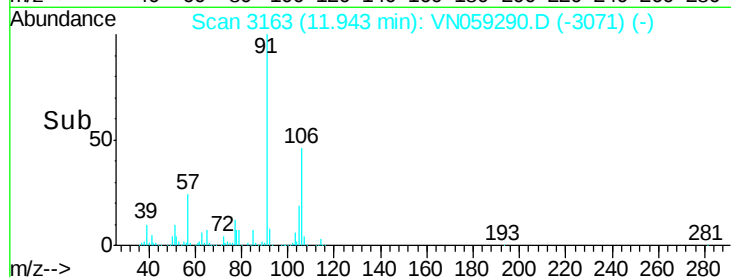
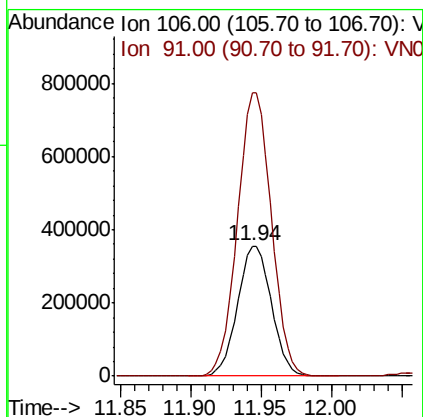
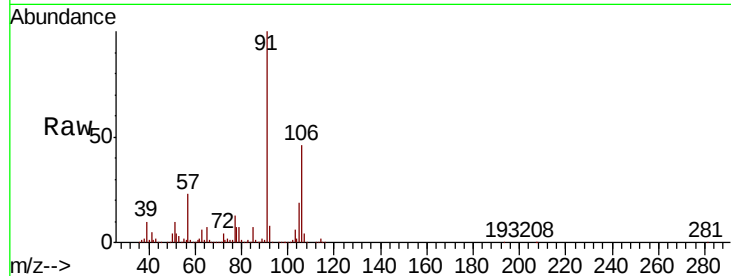




#69
o-Xylene
Concen: 81.850 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

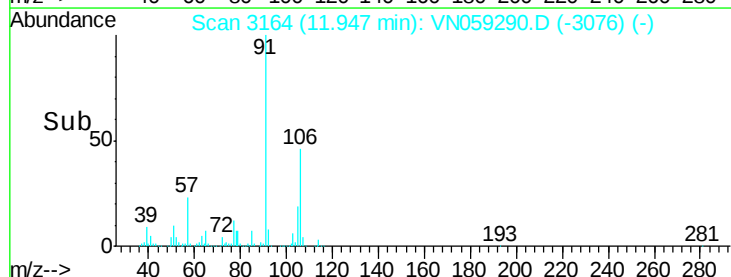
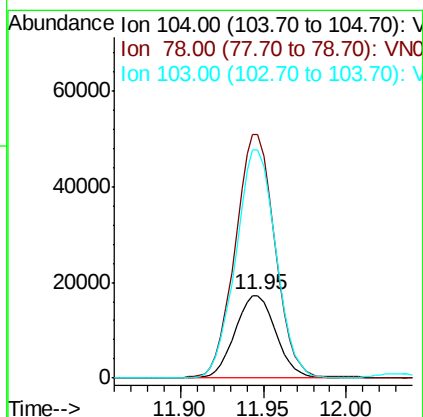
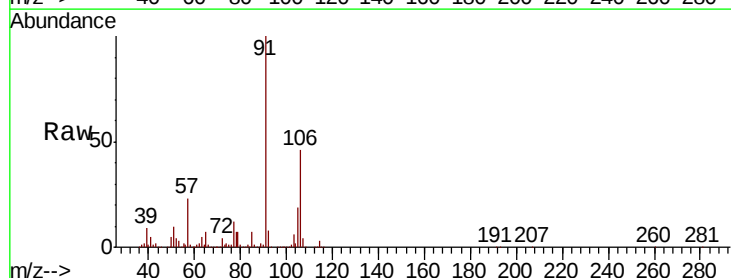
Instrument :
MSVOA_N
ClientSampled :

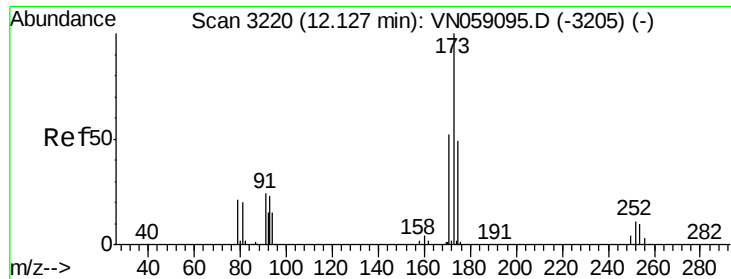
Tot Ion:106 Resp: 597855
Ion Ratio Lower Upper
106 100
91 218.2 110.1 330.3



#70
Styrene
Concen: 2.584 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

Tgt Ion:104 Resp: 29683
Ion Ratio Lower Upper
104 100
78 286.5 41.2 61.8#
103 271.3 43.8 65.6#





#71

Bromoform

Concen: 0.386 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

ClientSampled :

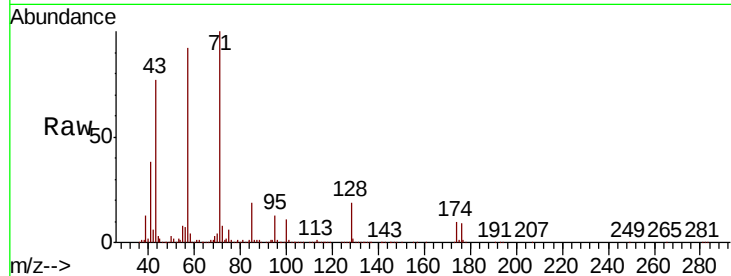
Tot Ion:173 Resp: 1282

Ion Ratio Lower Upper

173 100

175 1150.7 24.2 72.6#

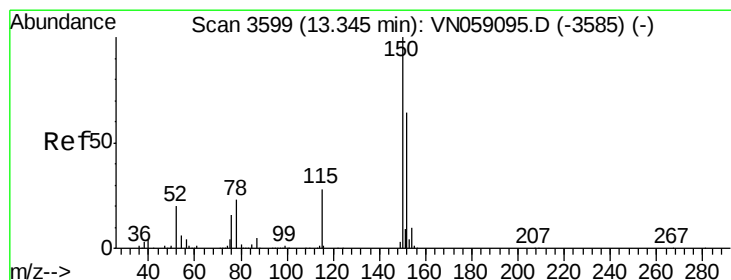
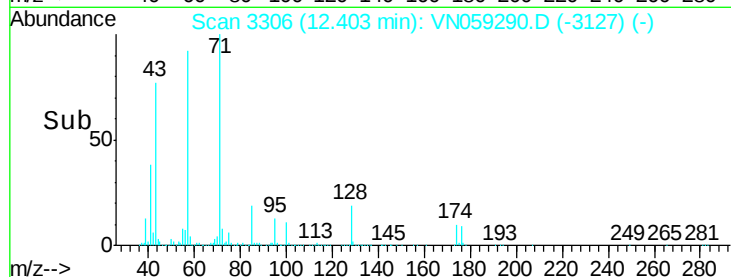
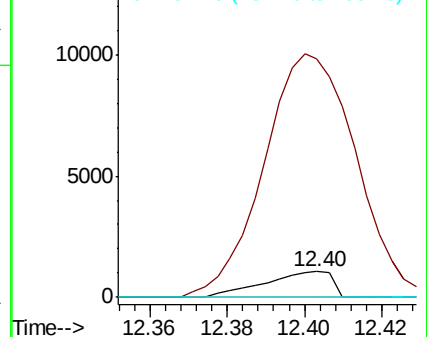
254 0.0 0.1 0.1#



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# 3599

Delta R.T. -0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

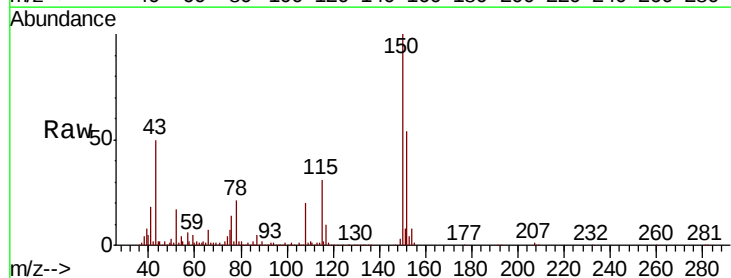
Tgt Ion:152 Resp: 291513

Ion Ratio Lower Upper

152 100

115 56.7 29.4 88.2

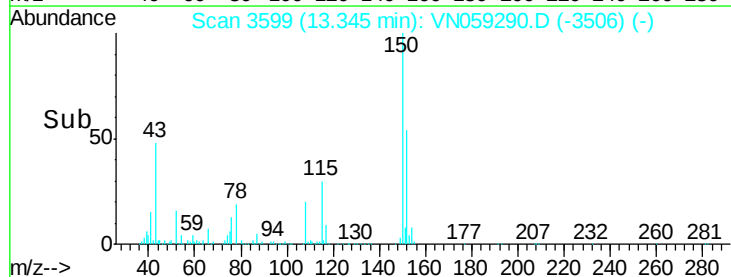
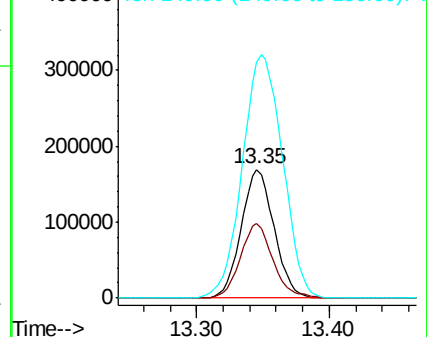
150 232.4 0.0 345.8

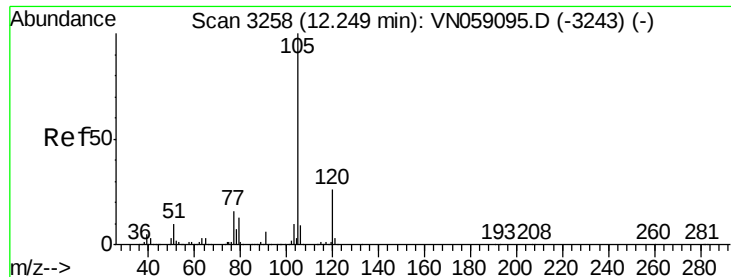


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.970 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

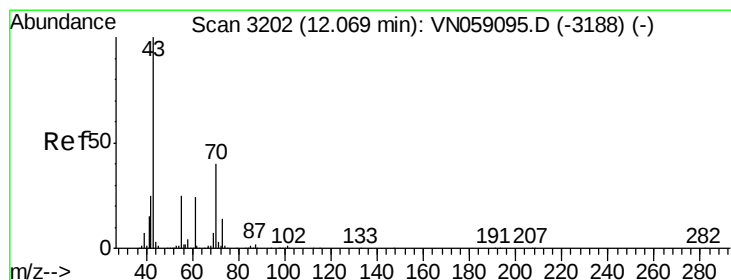
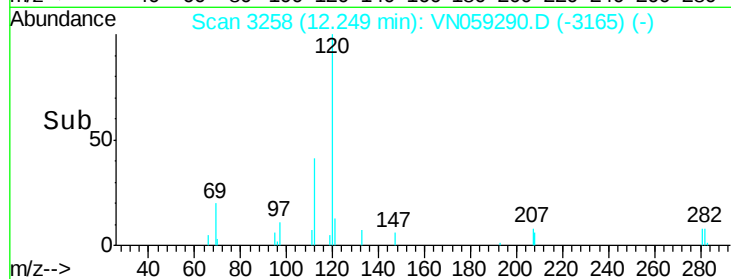
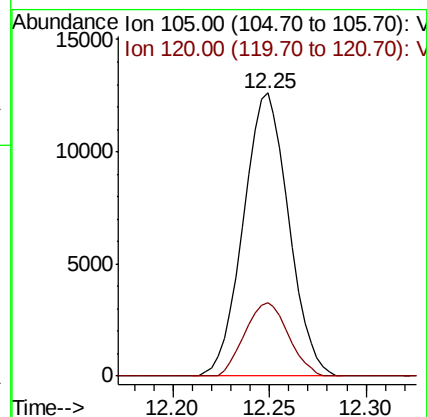
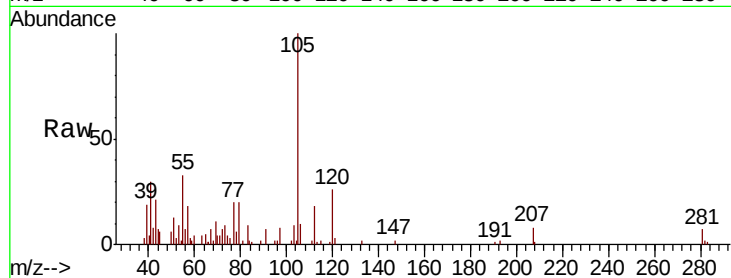
ClientSampleId :

Tot Ion: 105 Resp: 20568

Ion Ratio Lower Upper

105 100

120 25.0 13.1 39.3



#74

N-ethyl acetate

Concen: 2.528 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.06 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Tgt Ion: 43 Resp: 22711

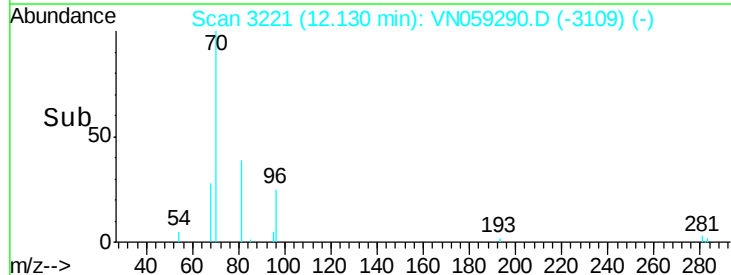
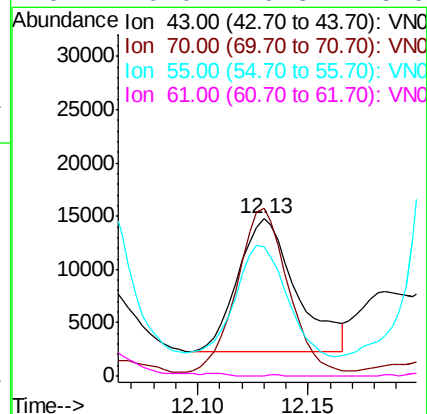
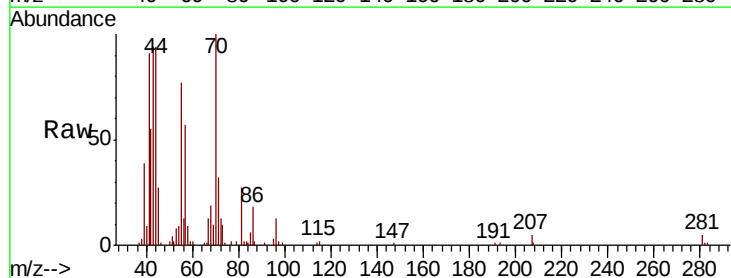
Ion Ratio Lower Upper

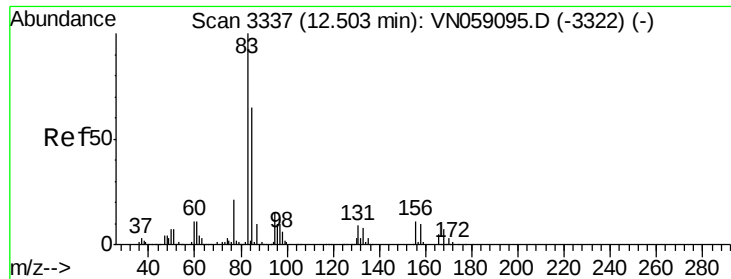
43 100

70 107.9 32.2 48.4#

55 0.0 20.4 30.6#

61 0.0 19.3 28.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 13.714 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.04 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

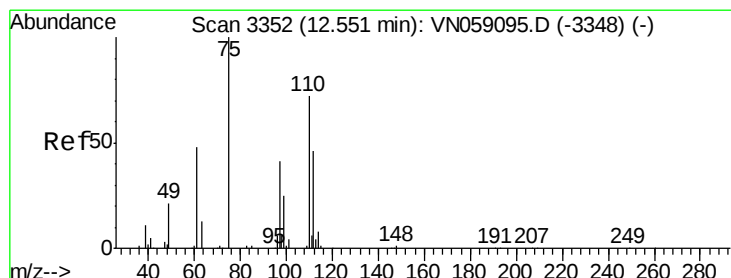
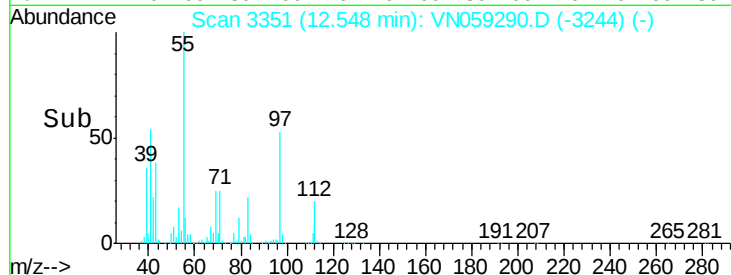
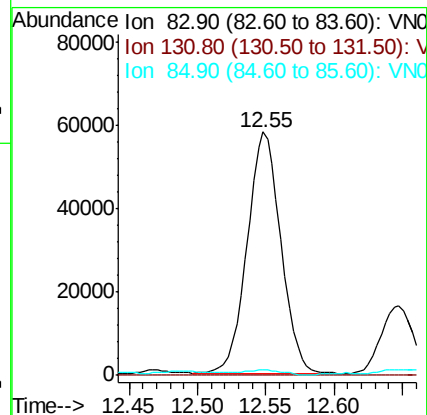
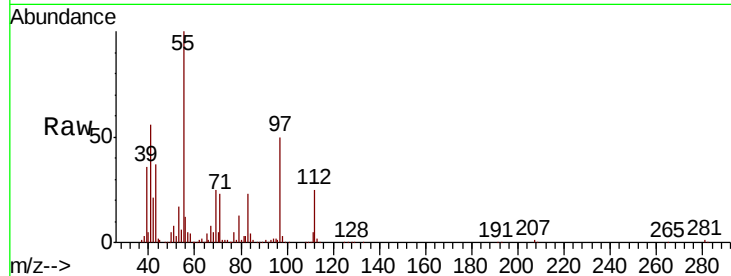
Tot Ion: 83 Resp: 99032

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

85 0.0 32.4 97.2#



#76

1,2,3-Trichloropropane

Concen: 21.271 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059290.D

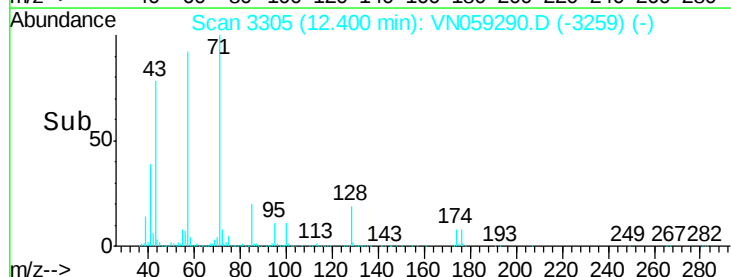
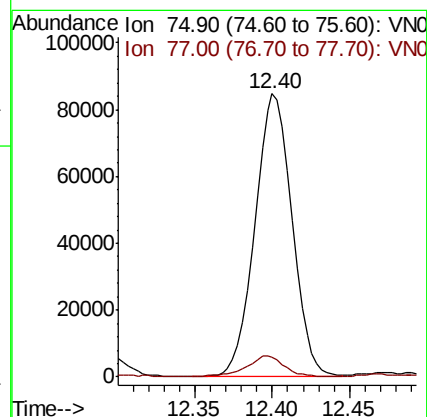
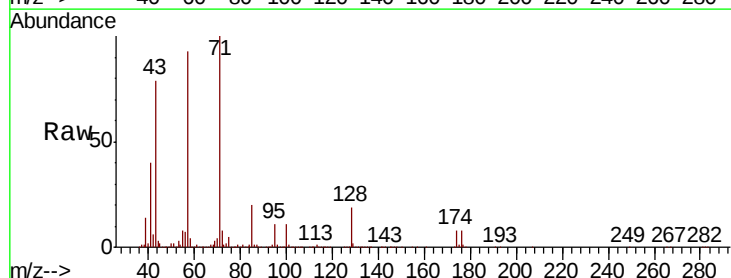
Acq: 18 Nov 2019 17:34

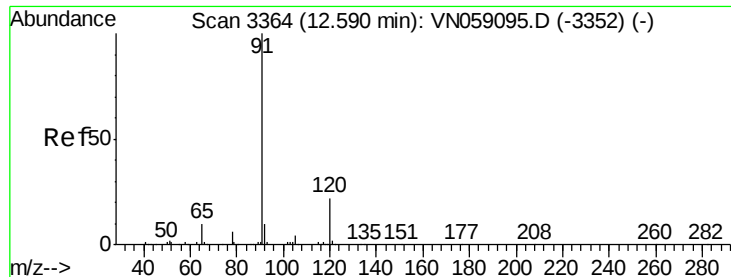
Tgt Ion: 75 Resp: 141173

Ion Ratio Lower Upper

75 100

77 8.0 0.0 0.0#





#78

n-propylbenzene

Concen: 0.736 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

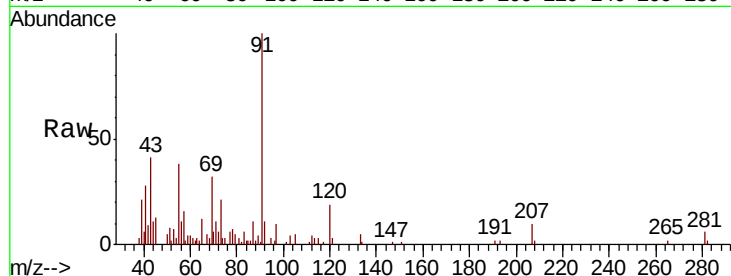
ClientSampled :

Tot Ion: 91 Resp: 17874

Ion Ratio Lower Upper

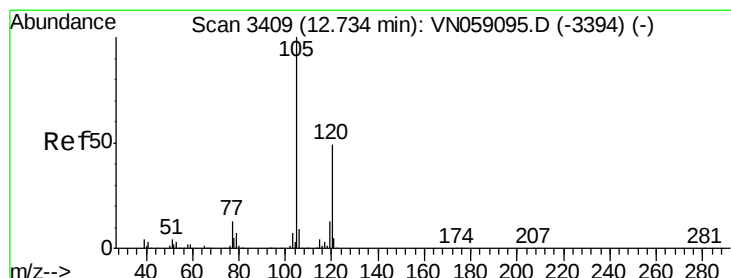
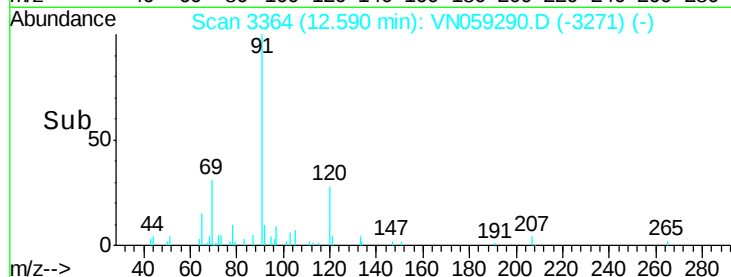
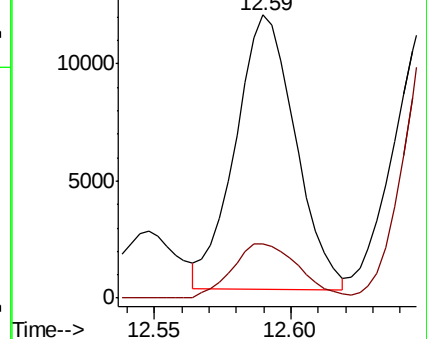
91 100

120 22.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN059290.D (-3271) (-)

Ion 120.00 (119.70 to 120.70): VN059290.D (-3271) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.859 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059290.D

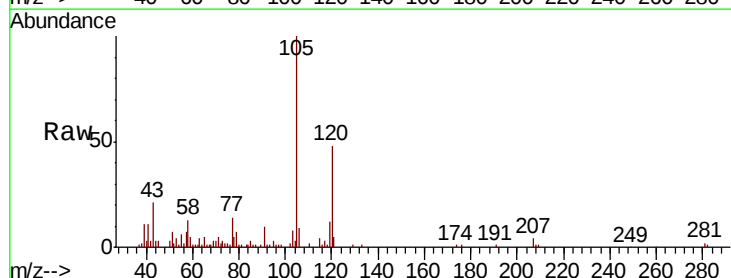
Acq: 18 Nov 2019 17:34

Tgt Ion: 105 Resp: 51366

Ion Ratio Lower Upper

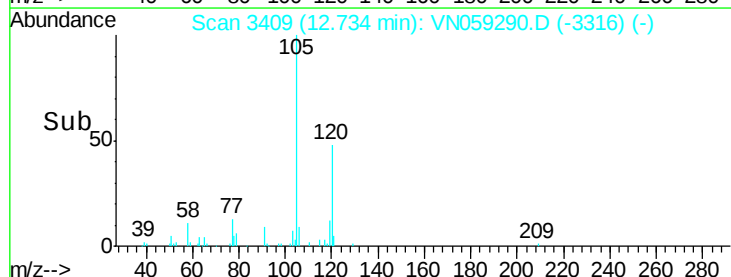
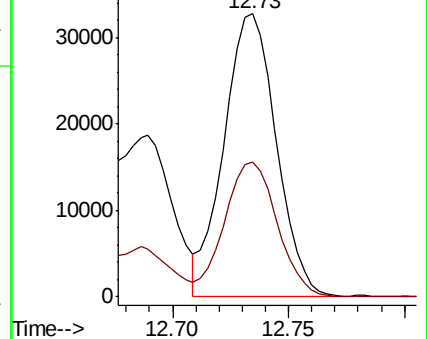
105 100

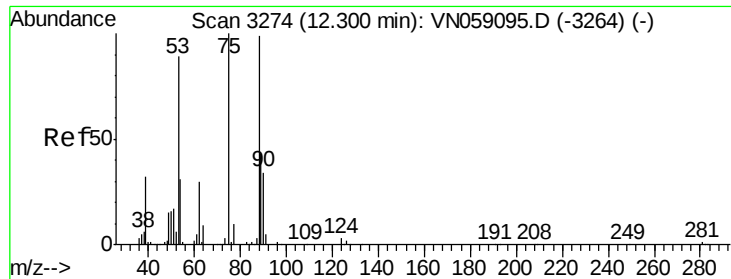
120 48.0 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059290.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059290.D (-3316) (-)

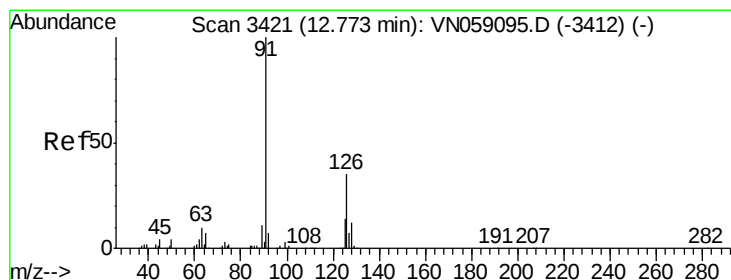
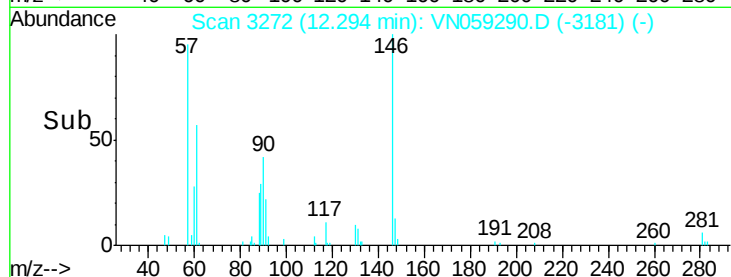
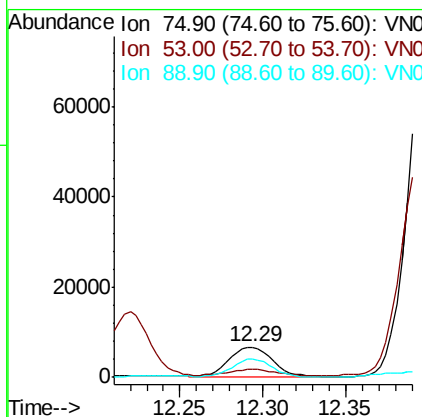
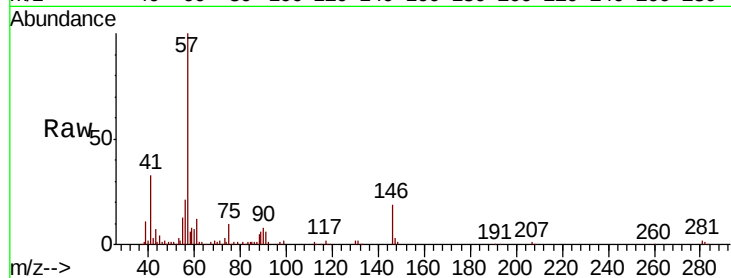




#81
trans-1,4-Dichloro-2-butene
Concen: 4.726 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.01 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

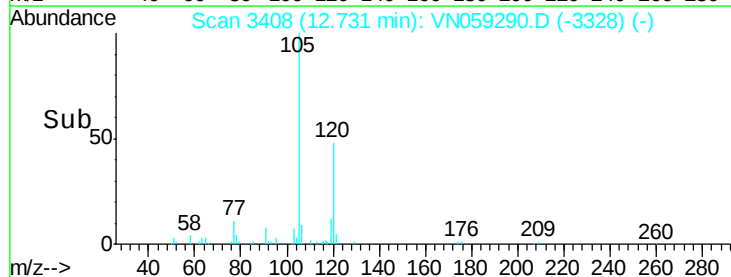
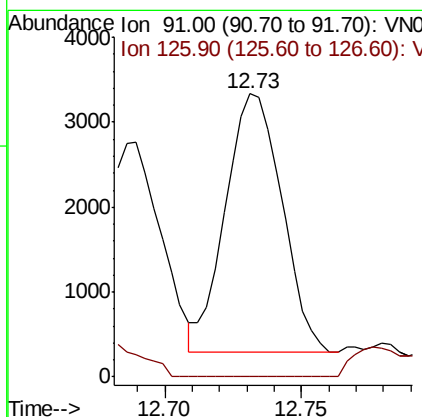
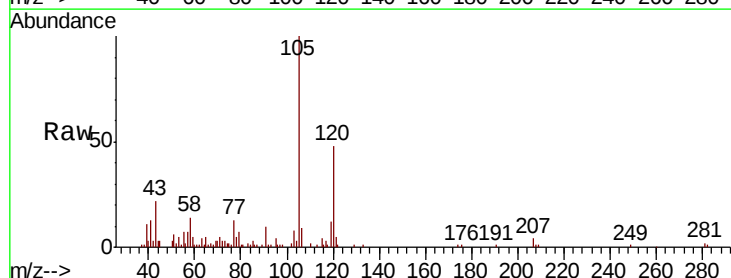
Instrument :
MSVOA_N
ClientSampleId :

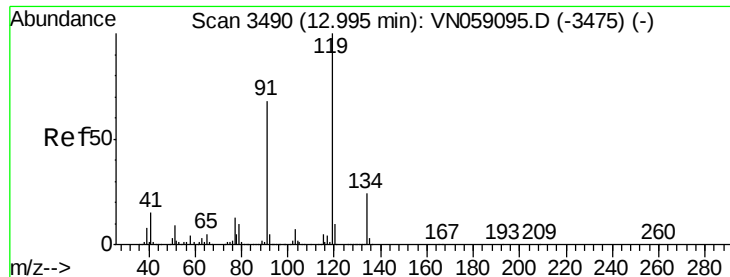
Tot Ion: 75 Resp: 11876
Ion Ratio Lower Upper
75 100
53 21.6 72.2 108.2#
89 57.8 35.8 53.8#



#82
4-Chlorotoluene
Concen: 0.289 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

Tgt Ion: 91 Resp: 4359
Ion Ratio Lower Upper
91 100
126 0.0 16.1 48.2#

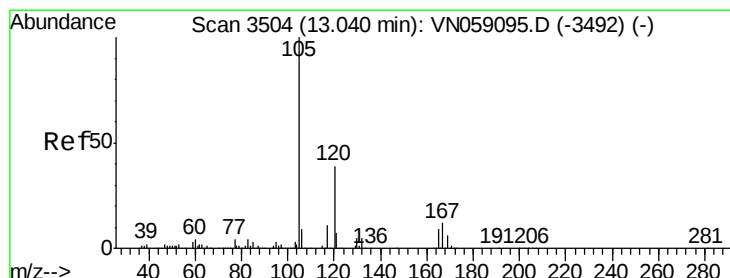
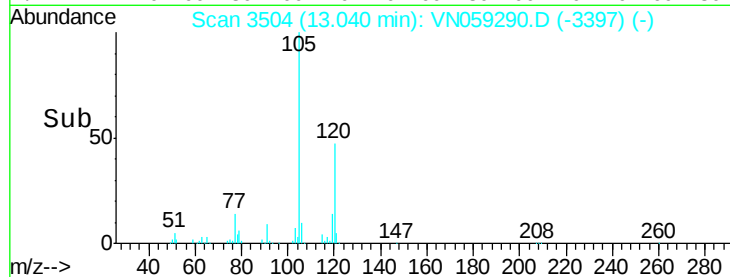
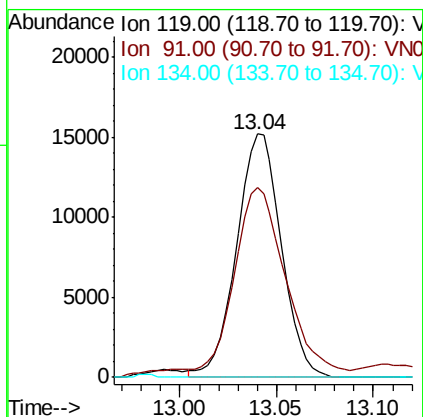
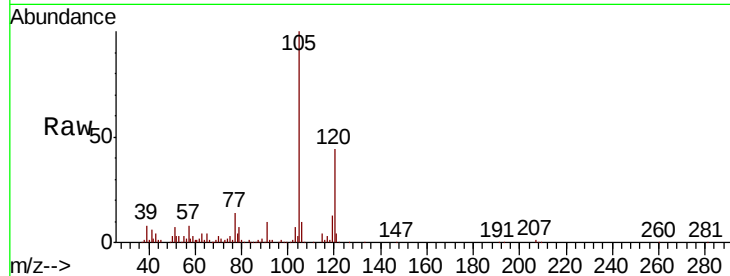




#83
 tert-Butylbenzene
 Concen: 1.578 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.04 min
 Lab File: VN059290.D
 Acq: 18 Nov 2019 17:34

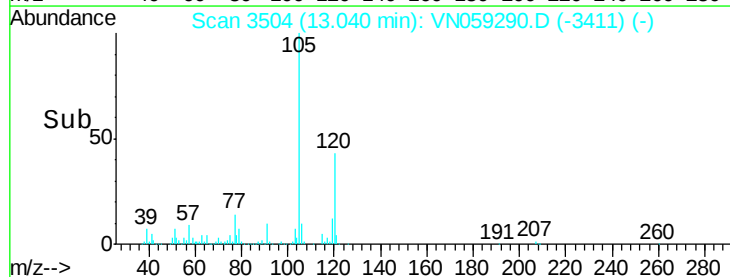
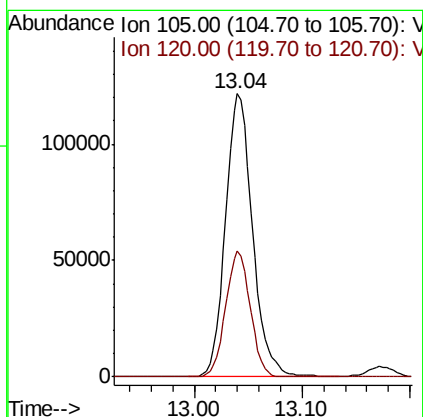
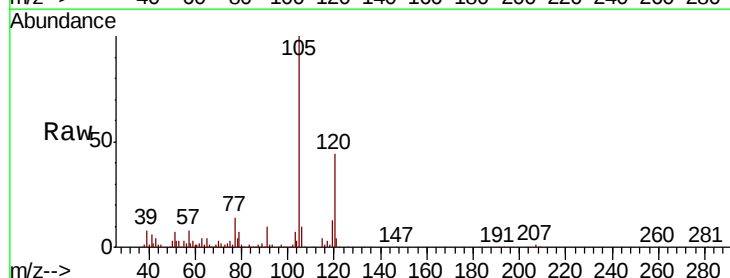
Instrument :
 MSVOA_N
 ClientSampleId :

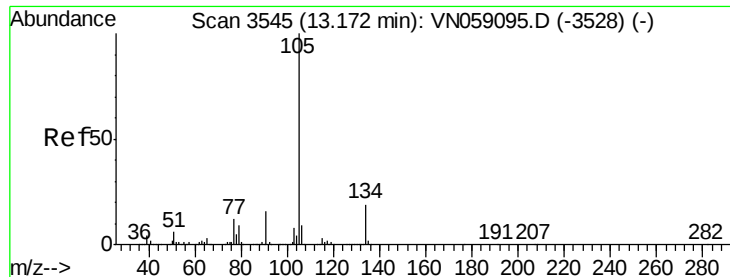
Tot Ion:119 Resp: 24489
 Ion Ratio Lower Upper
 119 100
 91 94.5 33.2 99.6
 134 0.0 12.7 38.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 12.195 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059290.D
 Acq: 18 Nov 2019 17:34

Tgt Ion:105 Resp: 212001
 Ion Ratio Lower Upper
 105 100
 120 40.2 22.8 68.4





#85

sec-Butylbenzene

Concen: 0.395 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

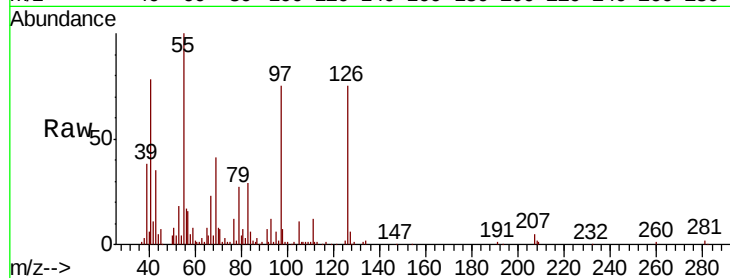
ClientSampled :

Tot Ion:105 Resp: 7968

Ion Ratio Lower Upper

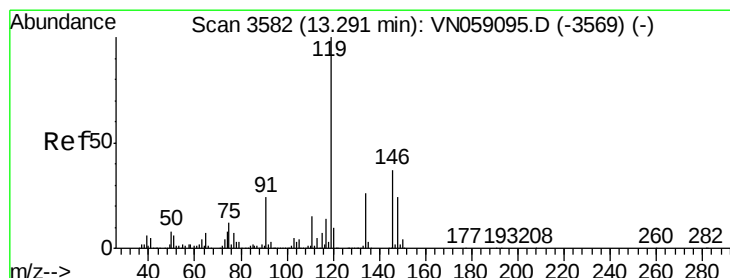
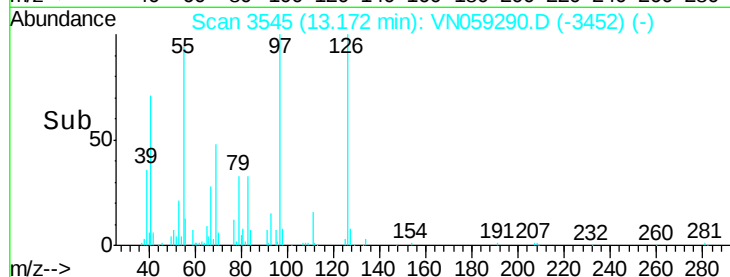
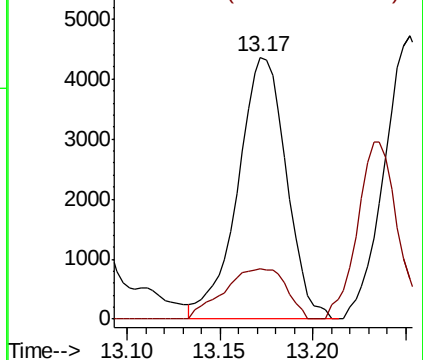
105 100

134 24.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.442 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

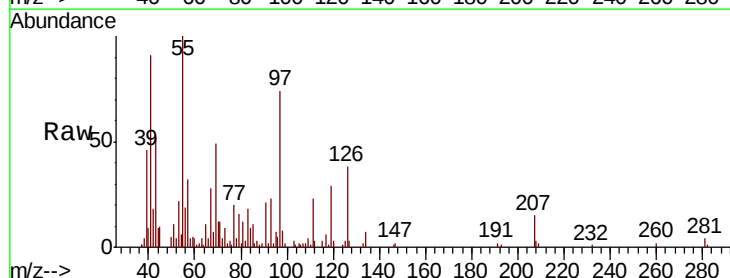
Tgt Ion:119 Resp: 7877

Ion Ratio Lower Upper

119 100

134 30.4 13.0 38.9

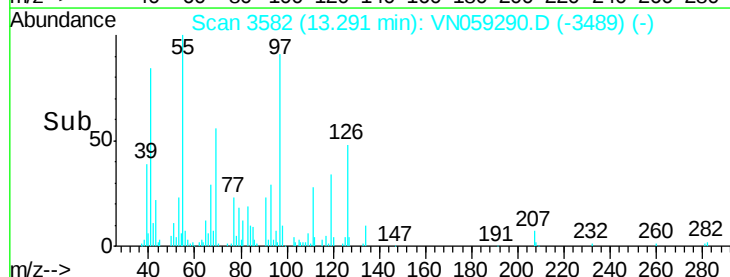
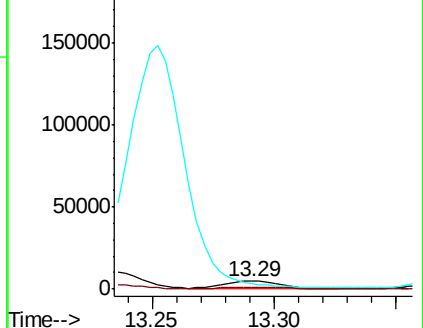
91 0.0 11.7 35.1#

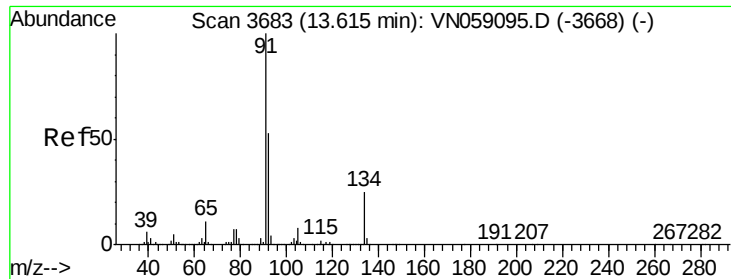


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

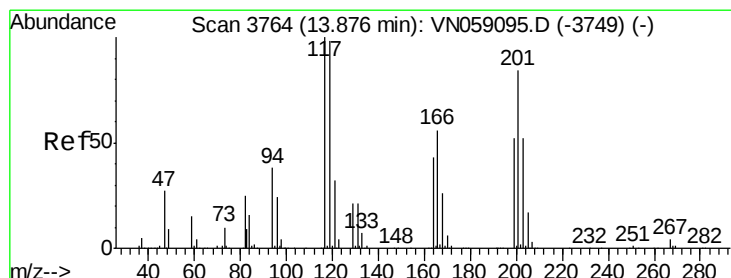
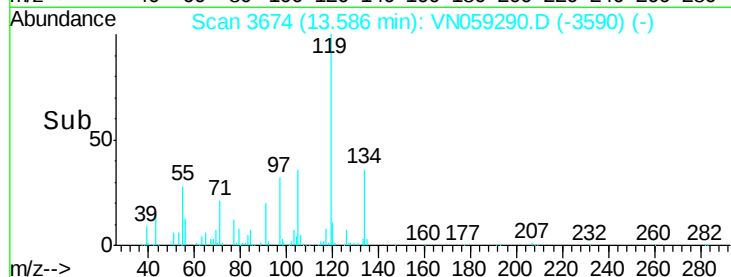
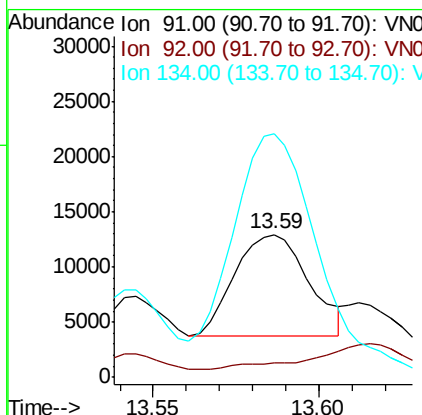
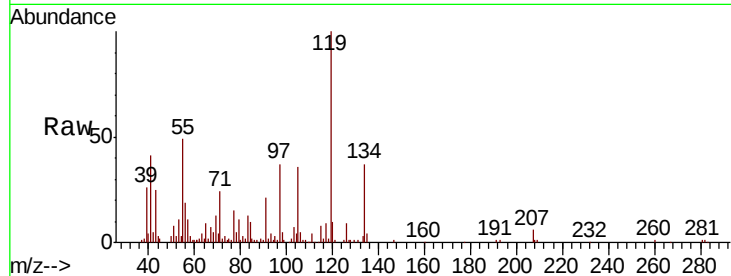




#89
n-Butylbenzene
Concen: 0.911 ug/l
RT: 13.59 min Scan# 3674
Delta R.T. -0.03 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

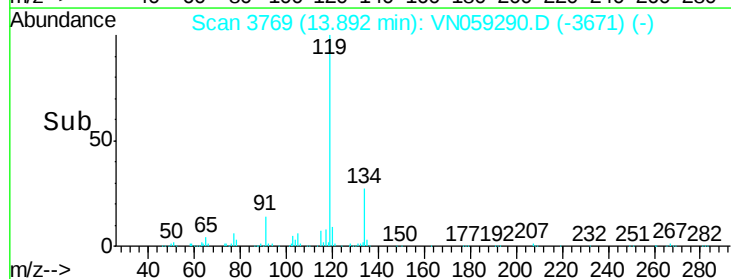
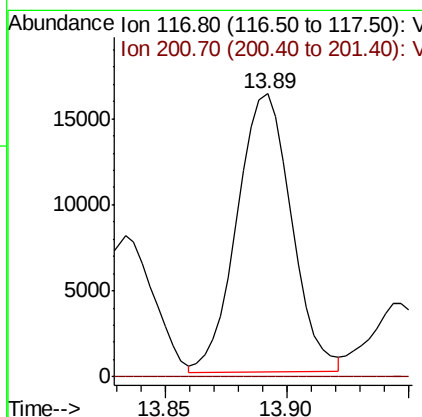
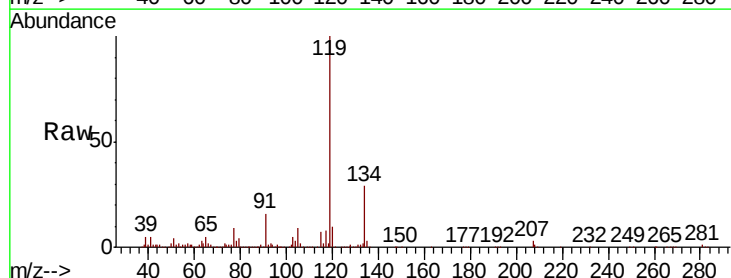
Instrument :
MSVOA_N
ClientSampled :

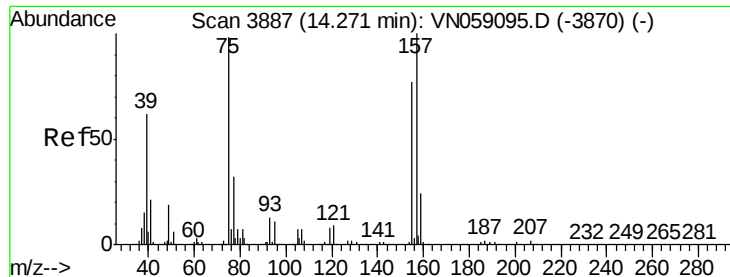
Tot Ion: 91 Resp: 14202
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 281.1 12.6 37.8#



#90
Hexachloroethane
Concen: 7.018 ug/l
RT: 13.89 min Scan# 3769
Delta R.T. 0.02 min
Lab File: VN059290.D
Acq: 18 Nov 2019 17:34

Tgt Ion: 117 Resp: 25111
Ion Ratio Lower Upper
117 100
201 0.0 41.8 125.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.981 ug/l

RT: 14.26 min Scan# 3882

Delta R.T. -0.02 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

ClientSampled :

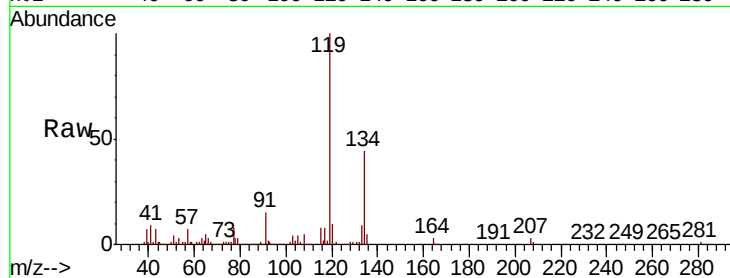
Tot Ion: 75 Resp: 2818

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 0.0 51.8 155.5#

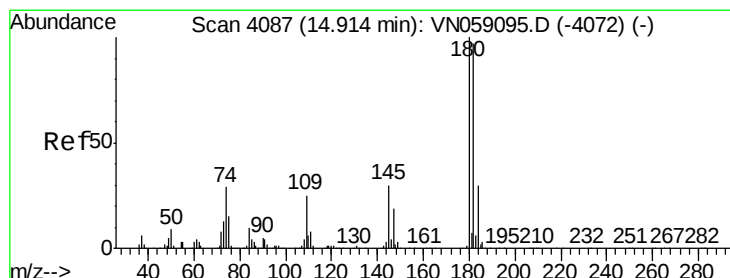
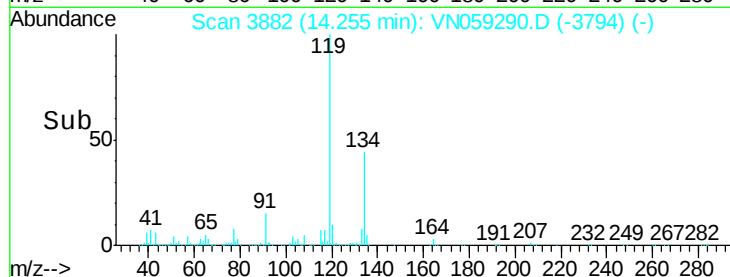


Abundance Ion 74.90 (74.60 to 75.60): VN059290.D (-3870) (-)

Ion 154.80 (154.50 to 155.50): VN059290.D (-3870) (-)

Ion 156.80 (156.50 to 157.50): VN059290.D (-3870) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.084 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

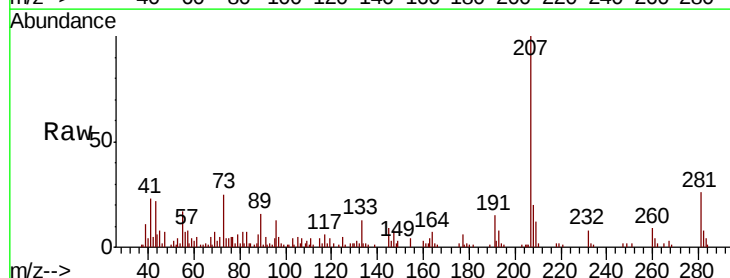
Tgt Ion: 180 Resp: 218

Ion Ratio Lower Upper

180 100

182 102.3 48.1 144.3

145 529.4 15.1 45.3#

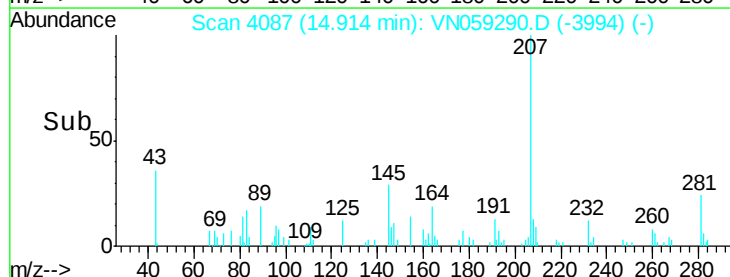


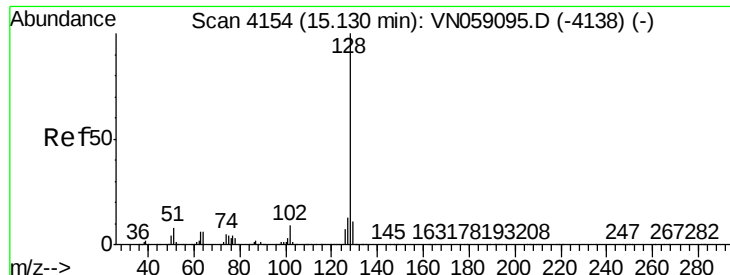
Abundance Ion 179.80 (179.50 to 180.50): VN059290.D (-4072) (-)

Ion 181.80 (181.50 to 182.50): VN059290.D (-4072) (-)

Ion 144.80 (144.50 to 145.50): VN059290.D (-4072) (-)

Time-->





#95

Naphthalene

Concen: 12.581 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059290.D

Acq: 18 Nov 2019 17:34

Instrument :

MSVOA_N

ClientSampleId :

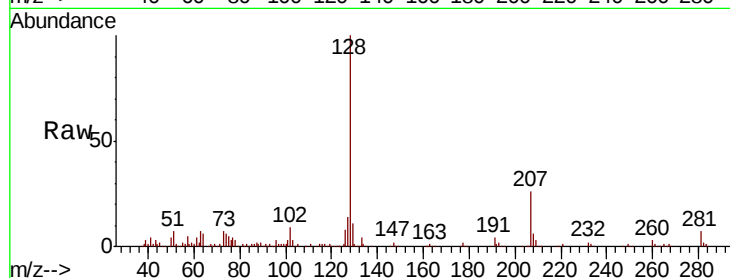
Tot Ion:128 Resp: 153396

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 11.3 8.6 12.8



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

