

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059292.D
 Acq On : 18 Nov 2019 18:18
 Operator : JC/SP
 Sample : K5900-14 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:51:20 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	465524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	722455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	635725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	310282	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	263159	45.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.98%	
35) Dibromofluoromethane	7.57	113	213787	49.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.12%	
50) Toluene-d8	10.08	98	887437	52.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.40	95	320942	52.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.39	74	11775	3.919	ug/l	98
11) Tert butyl alcohol	4.78	59	963120	883.124	ug/l #	72
14) Allyl chloride	4.30	41	3866	0.433	ug/l #	36
15) Acrylonitrile	5.01	53	3432	1.265	ug/l #	42
16) Acetone	3.79	43	1599501	537.502	ug/l	97
17) Carbon Disulfide	4.02	76	3928	0.291	ug/l #	95
18) Methyl Acetate	4.29	43	275047	38.940	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	598016	39.998	ug/l	99
20) Methylene Chloride	4.52	84	3344	0.645	ug/l #	84
22) Diisopropyl ether	5.92	45	1716886	101.898	ug/l #	1
23) Vinyl Acetate	5.92	43	110871	8.490	ug/l #	79
24) 1,1-Dichloroethane	5.91	63	12478	1.326	ug/l #	85
25) 2-Butanone	6.81	43	770061	196.347	ug/l	100
29) Tetrahydrofuran	7.19	42	62817	25.207	ug/l	95
30) Chloroform	7.35	83	3934	0.436	ug/l	90
31) Cyclohexane	7.63	56	23711	2.661	ug/l #	58
36) 1,1-Dichloropropene	7.64	75	34480	5.106	ug/l #	49
37) Ethyl Acetate	6.81	43	770061	102.506	ug/l #	69
38) Carbon Tetrachloride	7.64	117	43527	6.476	ug/l #	16
39) Methylcyclohexane	9.06	83	14564	1.858	ug/l	95
40) Benzene	8.02	78	2558408	125.812	ug/l	100
41) Methacrylonitrile	7.18	41	40133	12.286	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	28942	4.150	ug/l #	75
43) Isopropyl Acetate	7.99	43	2861923	238.960	ug/l #	55
45) 1,2-Dichloropropane	9.12	63	1792	0.324	ug/l #	44
48) Methyl methacrylate	9.15	41	132936	24.815	ug/l #	39
49) 1,4-Dioxane	9.19	88	55430	582.228	ug/l #	21
51) 4-Methyl-2-Pentanone	9.98	43	244528	36.084	ug/l	96
52) Toluene	10.15	92	2227335	182.743	ug/l	91
53) t-1,3-Dichloropropene	10.45	75	5078	0.640	ug/l	98
54) cis-1,3-Dichloropropene	9.80	75	1737	0.203	ug/l #	1
56) Ethyl methacrylate	10.35	69	31530	5.562	ug/l #	84
57) 1,3-Dichloropropane	10.76	76	1814	0.214	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.80	63	2302	0.839	ug/l #	64

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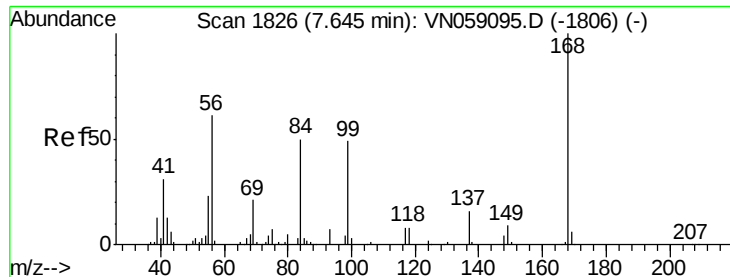
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:51:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
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 Response via : Initial Calibration

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

59) 2-Hexanone	10.75	43	54747	10.525	ug/l	88
67) Ethyl Benzene	11.51	91	501815	22.823	ug/l	99
68) m/p-Xylenes	11.62	106	1186432	144.049	ug/l	98
69) o-Xylene	11.95	106	534050	67.096	ug/l	99
70) Styrene	11.95	104	25381	2.028	ug/l #	1
71) Bromoform	12.40	173	1634	0.452	ug/l #	1
73) Isopropylbenzene	12.25	105	20811	0.922	ug/l	97
74) N-amyl acetate	11.99	43	447651	46.807	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.55	83	100609	13.090	ug/l #	25
76) 1,2,3-Trichloropropane	12.40	75	151923	21.506	ug/l #	100
78) n-propylbenzene	12.59	91	20260	0.784	ug/l	96
79) 2-Chlorotoluene	12.69	91	3877	0.242	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	70179	3.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	5173	1.934	ug/l #	13
82) 4-Chlorotoluene	12.73	91	6668	0.415	ug/l #	43
84) 1,2,4-Trimethylbenzene	13.04	105	274320	14.826	ug/l	93
85) sec-Butylbenzene	13.25	105	8760	0.408	ug/l #	1
86) p-Isopropyltoluene	13.29	119	13114	0.691	ug/l #	77
89) n-Butylbenzene	13.58	91	38395	2.313	ug/l #	1
90) Hexachloroethane	13.89	117	29763	7.815	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2582	1.709	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	175	3.075	ug/l #	1
95) Naphthalene	15.13	128	151275	11.880	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

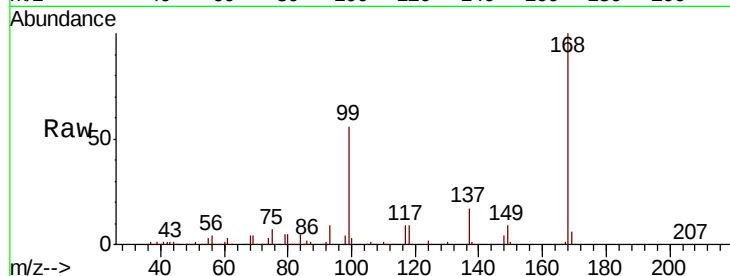
ClientSampled :

Tot Ion:168 Resp: 465524

Ion Ratio Lower Upper

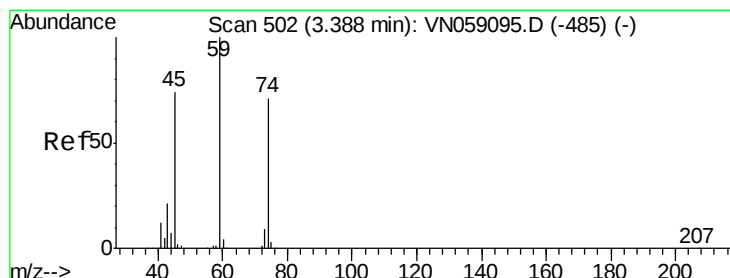
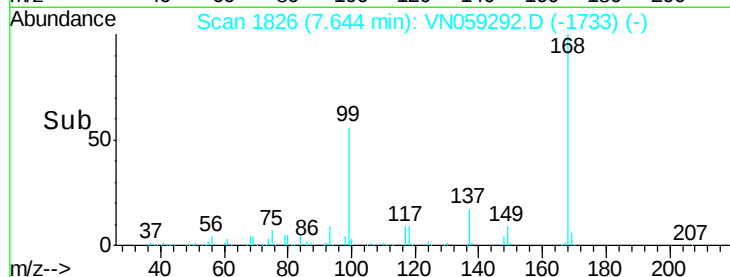
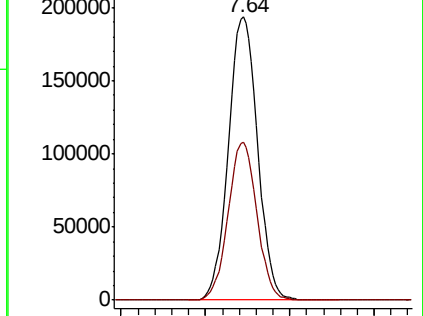
168 100

99 55.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 3.919 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN059292.D

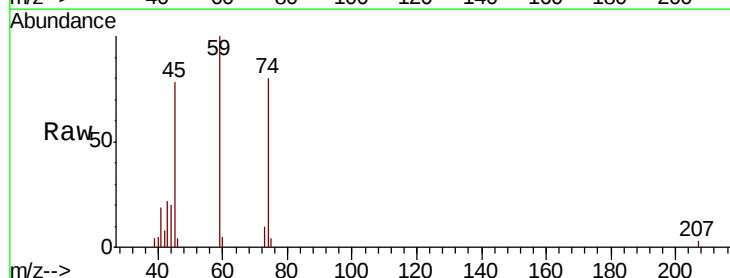
Acq: 18 Nov 2019 18:18

Tgt Ion: 74 Resp: 11775

Ion Ratio Lower Upper

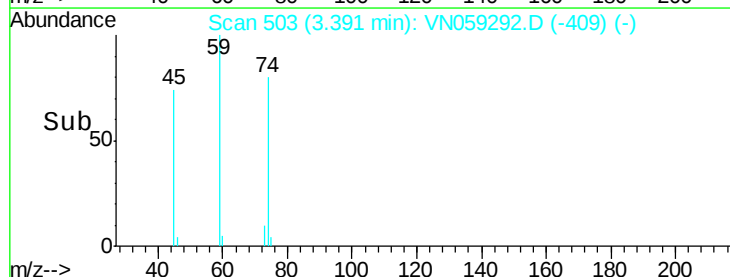
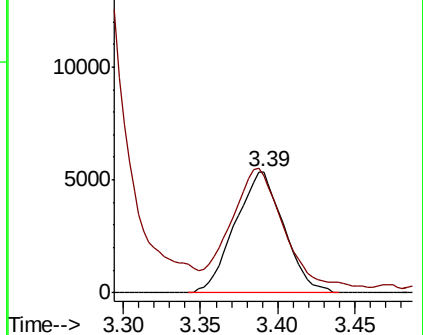
74 100

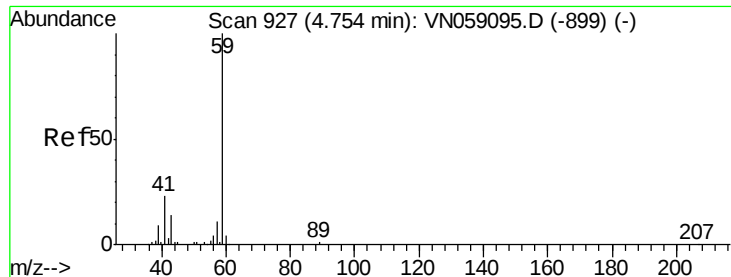
45 105.0 51.6 154.9



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO



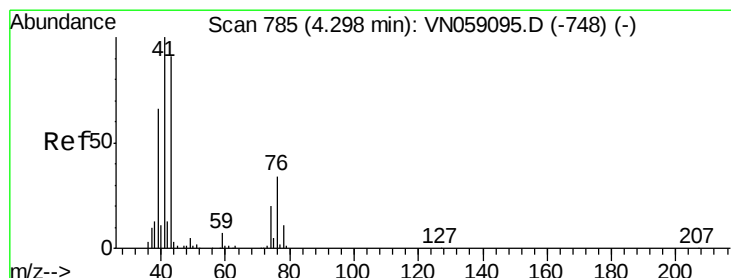
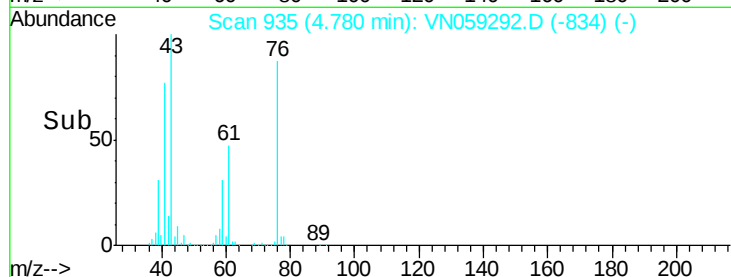
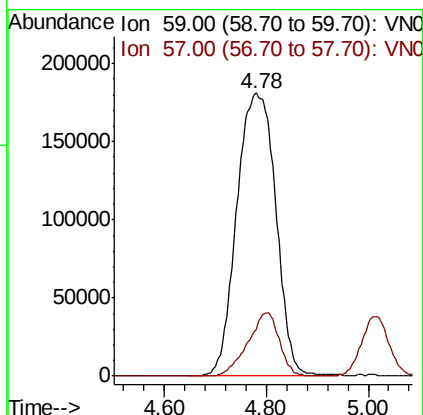
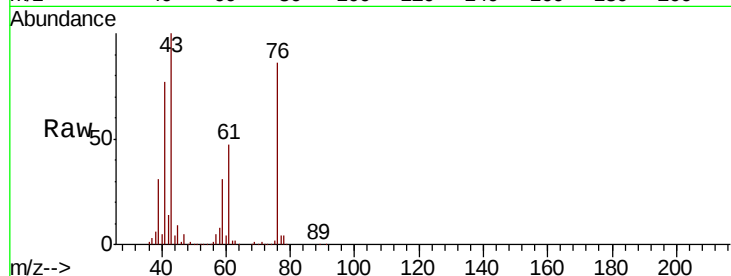


#11

Tert butyl alcohol
 Concen: 883.124 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.03 min
 Lab File: VN059292.D
 Acq: 18 Nov 2019 18:18

Instrument :
 MSVOA_N
 ClientSampled :

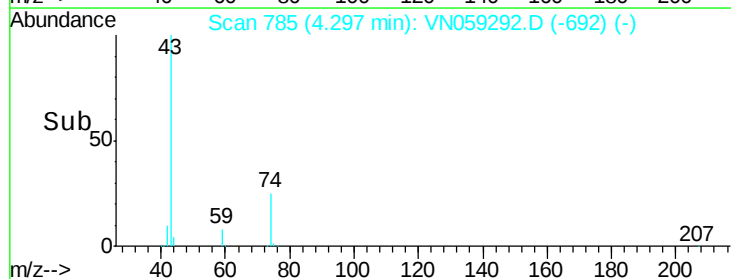
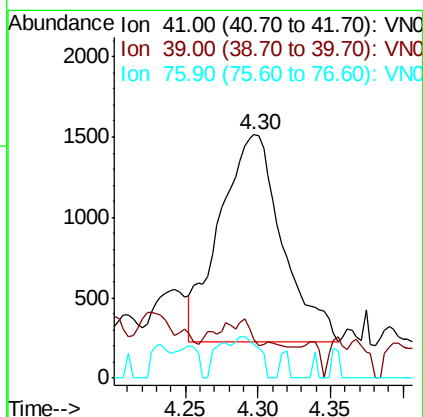
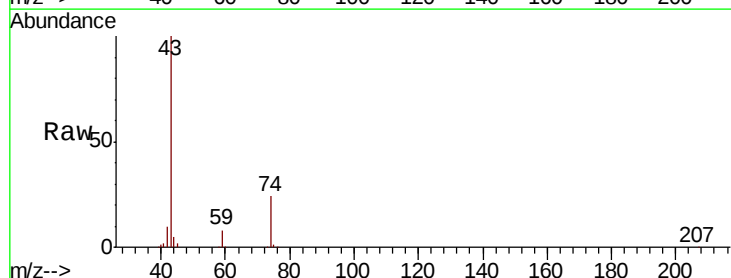
Tot Ion: 59 Resp: 963120
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

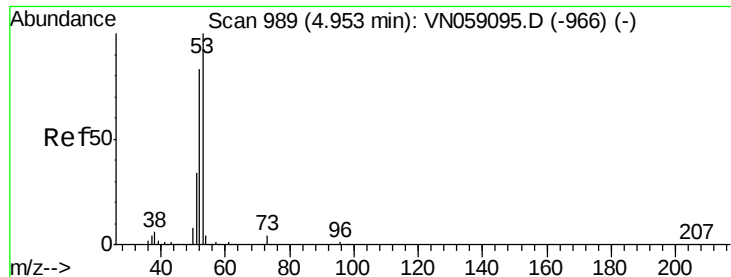


#14

Allyl chloride
 Concen: 0.433 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: VN059292.D
 Acq: 18 Nov 2019 18:18

Tgt Ion: 41 Resp: 3866
 Ion Ratio Lower Upper
 41 100
 39 0.0 49.1 73.7#
 76 12.7 24.9 37.3#





#15

Acrylonitrile

Concen: 1.265 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.06 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

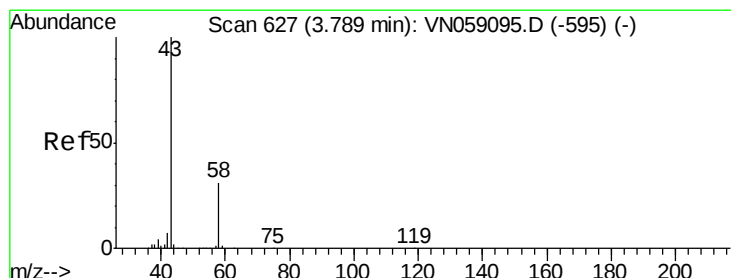
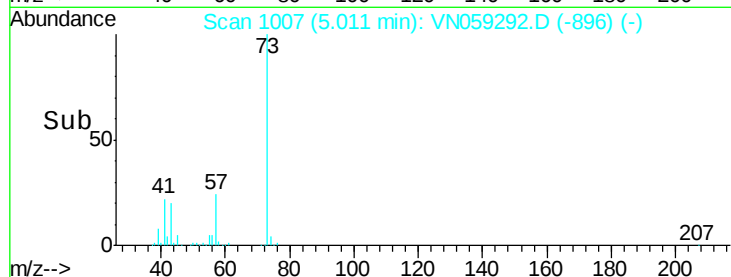
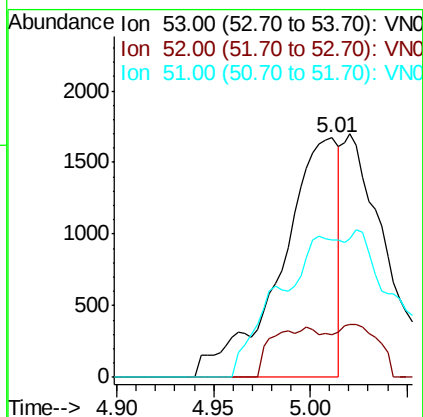
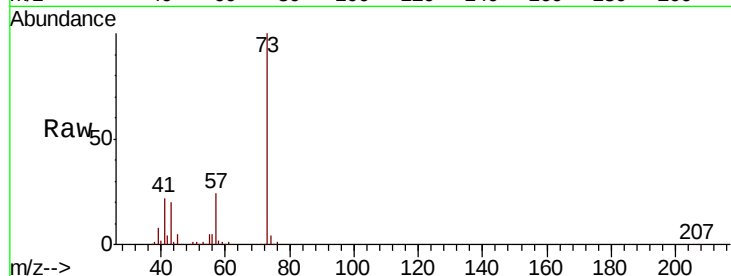
Tot Ion: 53 Resp: 3432

Ion Ratio Lower Upper

53 100

52 20.5 65.0 97.6#

51 14.6 28.0 42.0#



#16

Acetone

Concen: 537.502 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059292.D

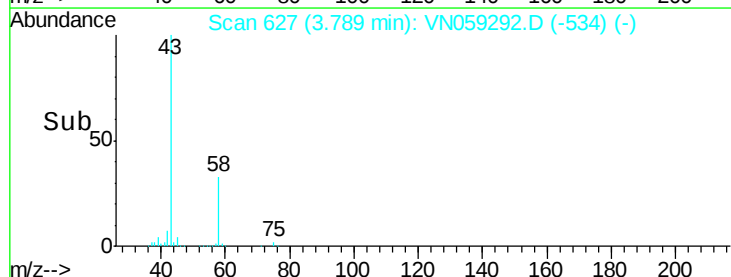
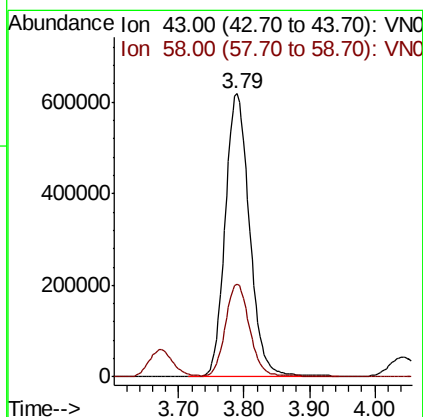
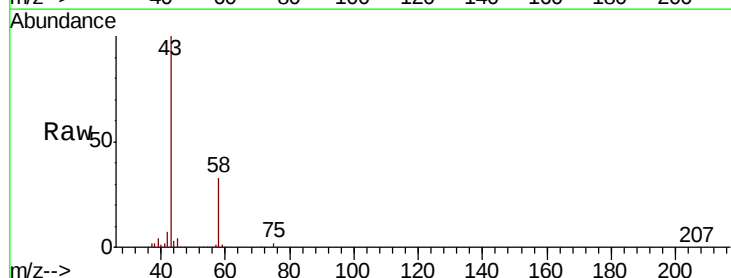
Acq: 18 Nov 2019 18:18

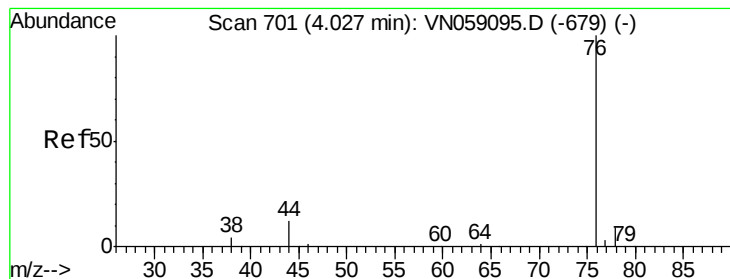
Tgt Ion: 43 Resp: 1599501

Ion Ratio Lower Upper

43 100

58 32.7 24.9 37.3





#17

Carbon Disulfide

Concen: 0.291 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

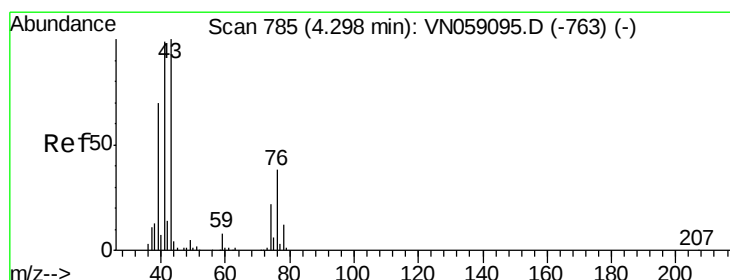
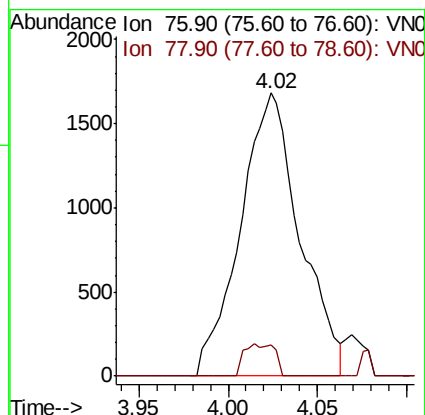
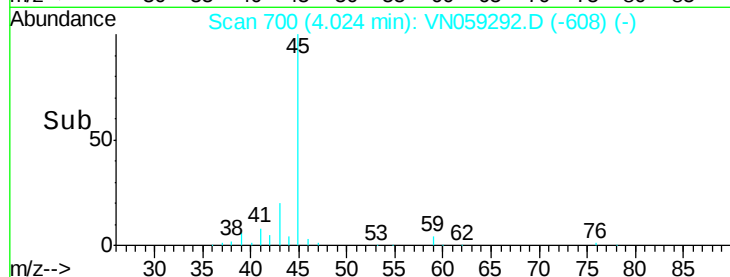
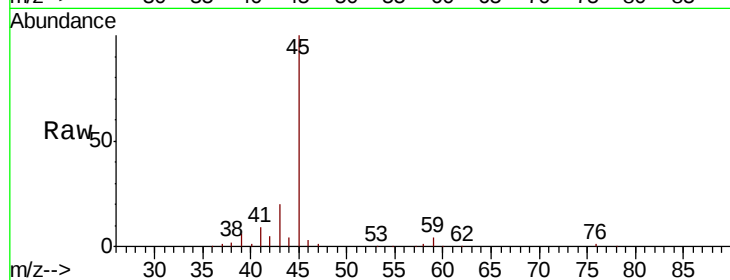
ClientSampled :

Tot Ion: 76 Resp: 3928

Ion Ratio Lower Upper

76 100

78 11.1 7.4 11.0#



#18

Methyl Acetate

Concen: 38.940 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059292.D

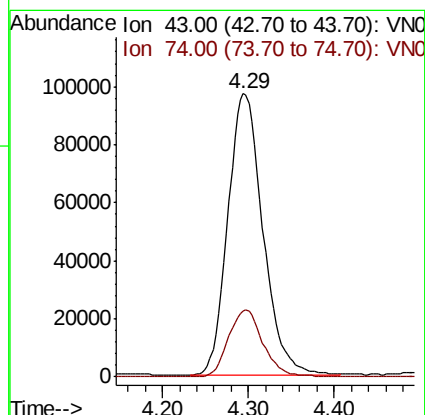
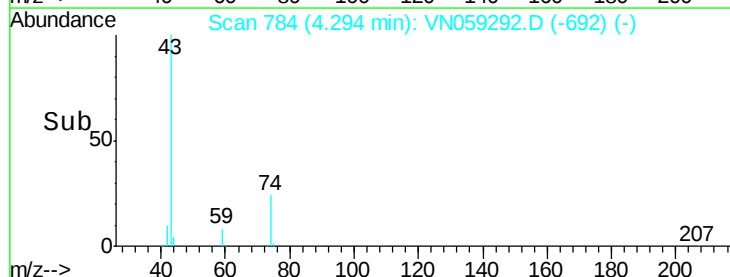
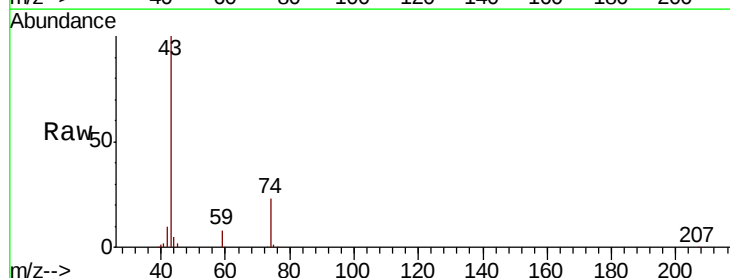
Acq: 18 Nov 2019 18:18

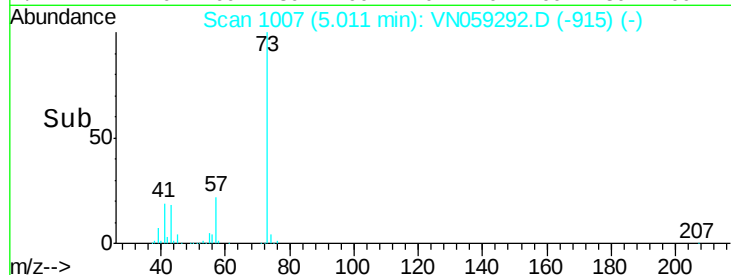
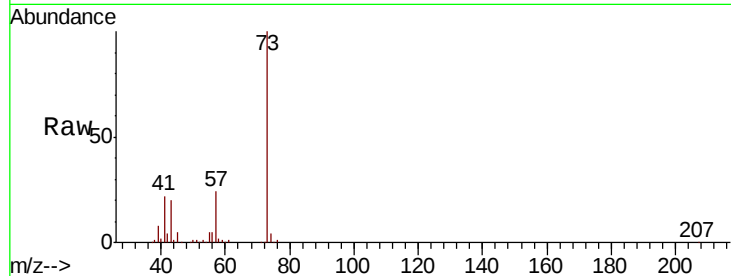
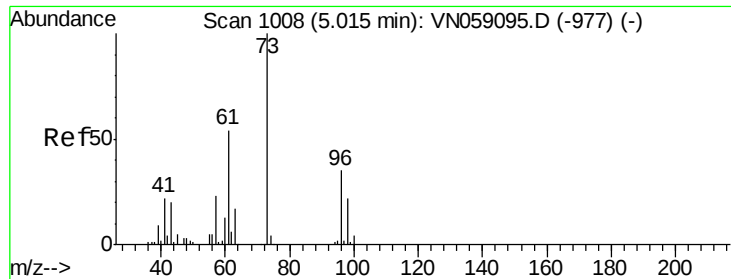
Tgt Ion: 43 Resp: 275047

Ion Ratio Lower Upper

43 100

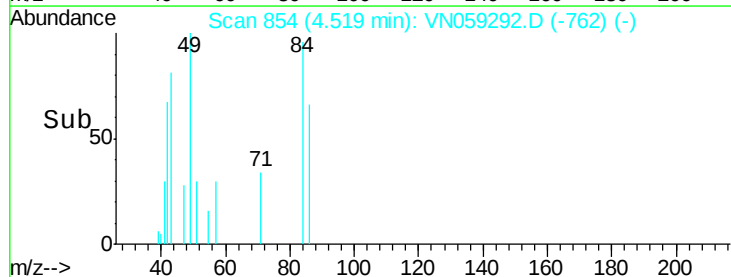
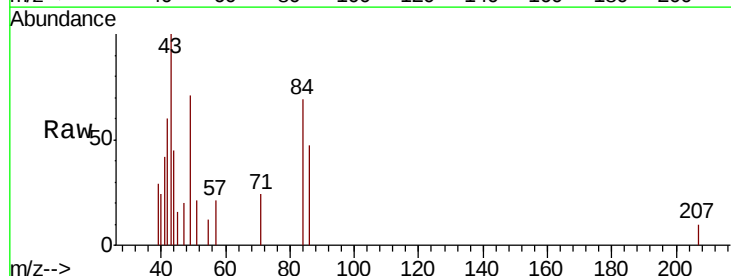
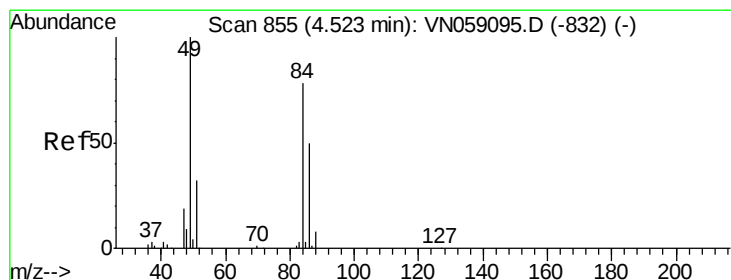
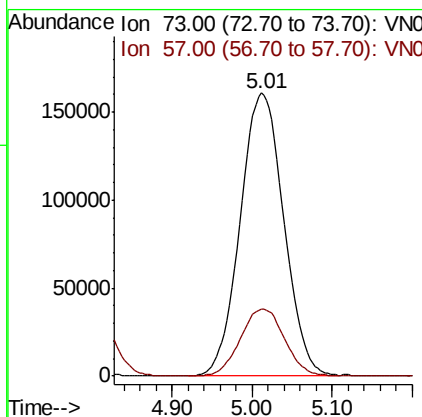
74 23.6 17.8 26.8





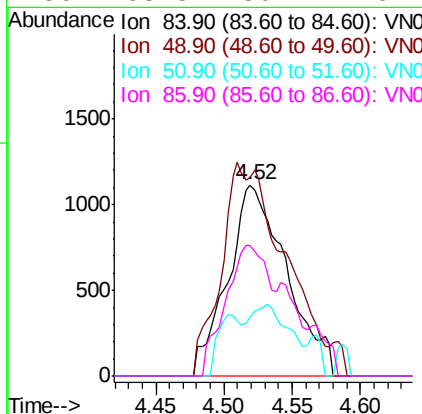
#19
Methvl tert-butvl Ether
Concen: 39.998 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

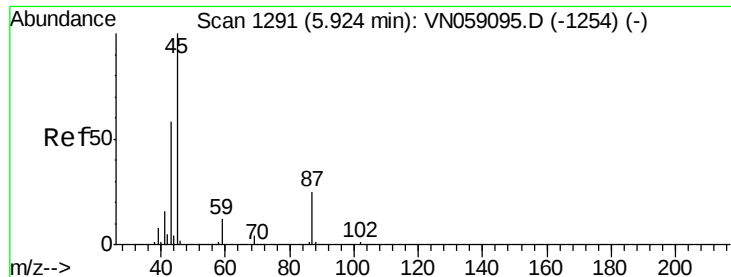
Tot Ion: 73 Resp: 598016
Ion Ratio Lower Upper
73 100
57 23.6 18.4 27.6



#20
Methylene Chloride
Concen: 0.645 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Tgt Ion: 84 Resp: 3344
Ion Ratio Lower Upper
84 100
49 103.9 102.0 153.0
51 30.8 32.2 48.2#
86 68.5 50.7 76.1





#22

Diisopropyl ether

Concen: 101.898 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

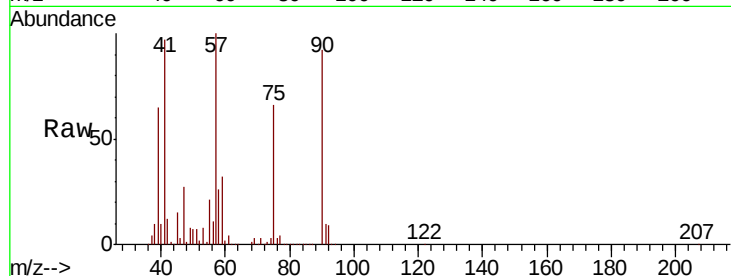
Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 45 Resp: 1716886

Ion	Ratio	Lower	Upper
45	100		
43	5.5	46.7	70.1#
87	0.5	20.5	30.7#
59	207.6	9.6	14.4#



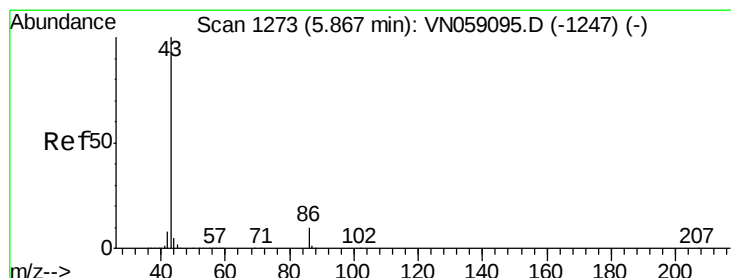
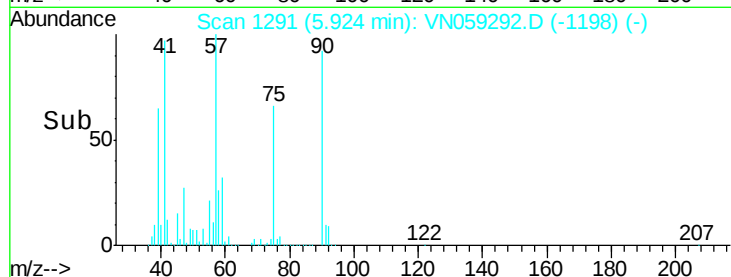
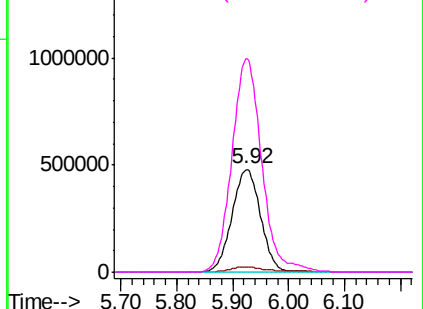
Abundance

Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO



#23

Vinyl Acetate

Concen: 8.490 ug/l

RT: 5.92 min Scan# 1291

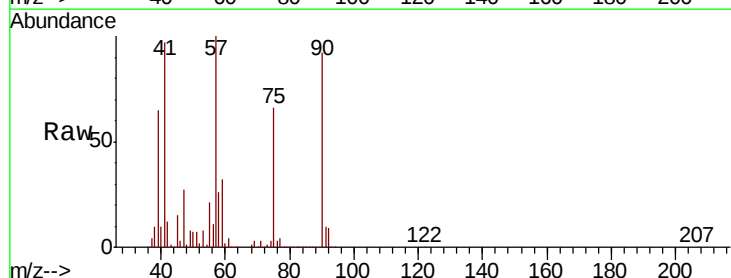
Delta R.T. 0.06 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Tgt Ion: 43 Resp: 110871

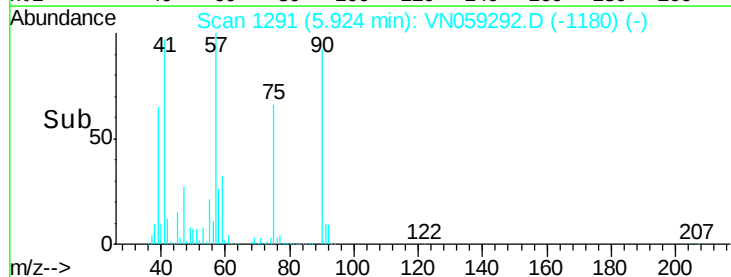
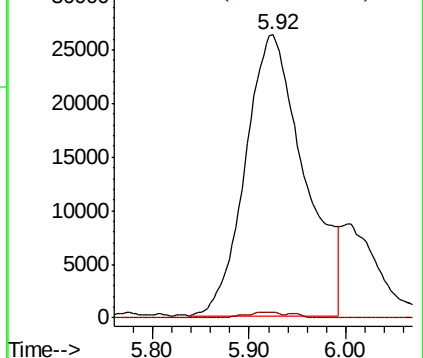
Ion	Ratio	Lower	Upper
43	100		
86	2.0	7.7	11.5#

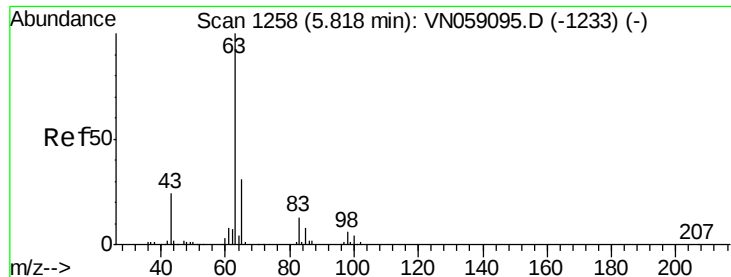


Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO





#24

1,1-Dichloroethane

Concen: 1.326 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. 0.10 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

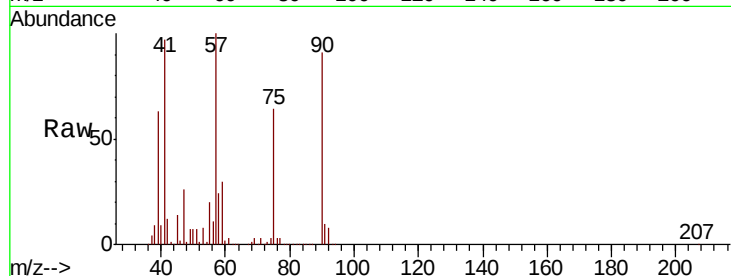
Tot Ion: 63 Resp: 12478

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 0.0 1.9 5.7#



Abundance Ion 62.90 (62.60 to 63.60): VN059292.D (-1165) (-)

5000 Ion 97.90 (97.60 to 98.60): VN059292.D (-1165) (-)

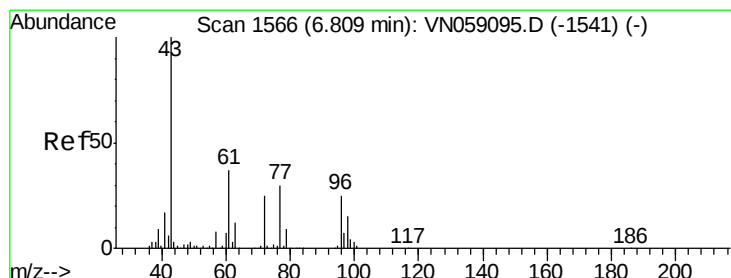
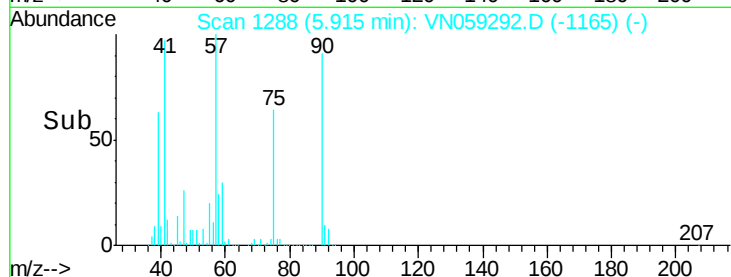
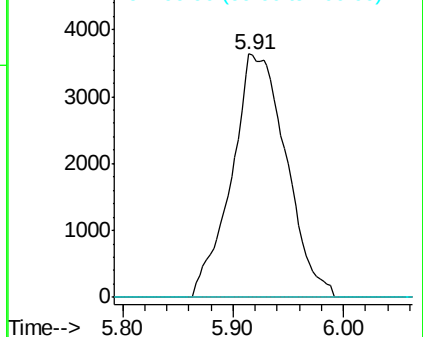
4000 Ion 99.90 (99.60 to 100.60): VN059292.D (-1165) (-)

3000

2000

1000

0



#25

2-Butanone

Concen: 196.347 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059292.D

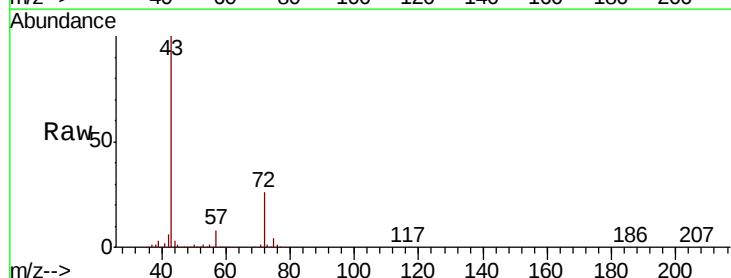
Acq: 18 Nov 2019 18:18

Tgt Ion: 43 Resp: 770061

Ion Ratio Lower Upper

43 100

72 25.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN059292.D (-1473) (-)

300000 Ion 72.00 (71.70 to 72.70): VN059292.D (-1473) (-)

250000

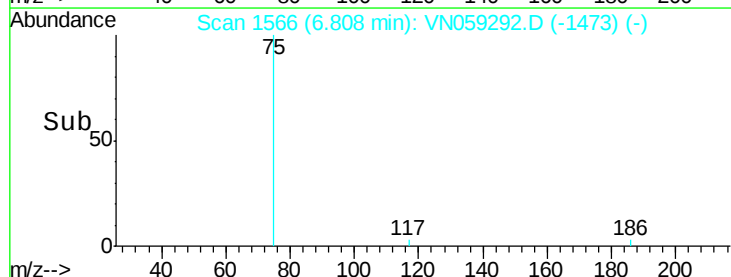
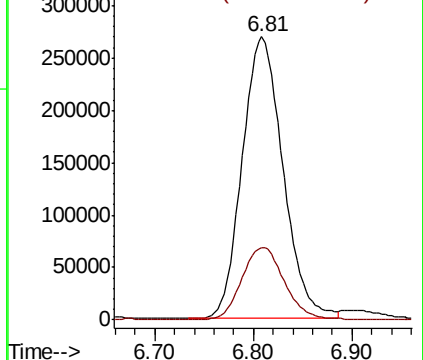
200000

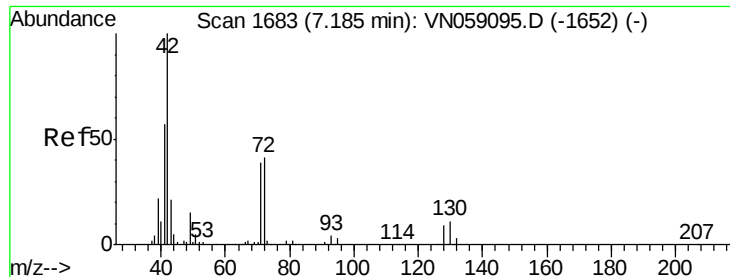
150000

100000

50000

0

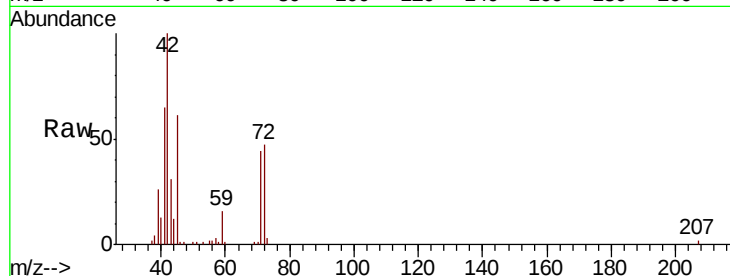




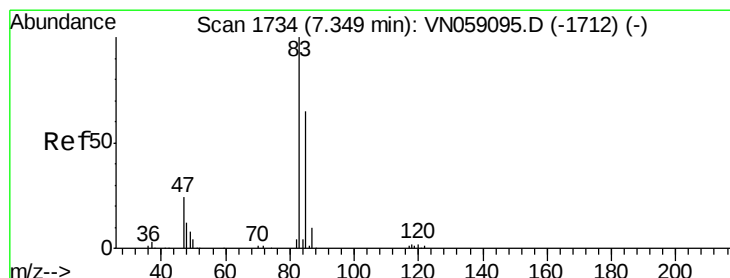
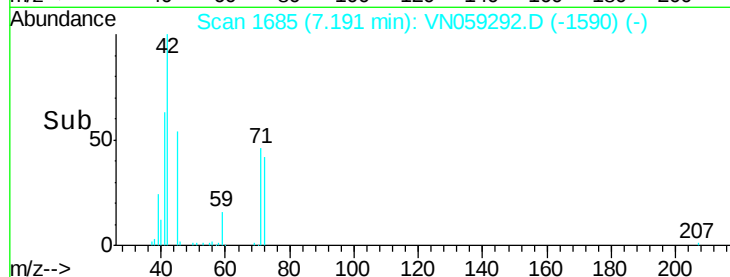
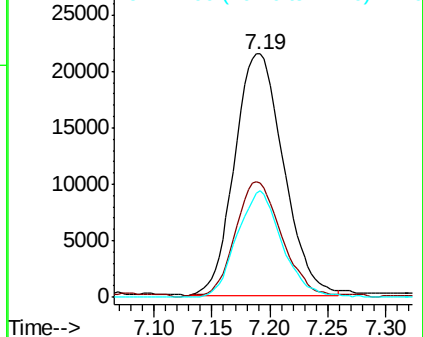
#29
Tetrahydrofuran
Concen: 25.207 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 62817
Ion Ratio Lower Upper
42 100
72 46.1 33.1 49.7
71 40.6 30.9 46.3

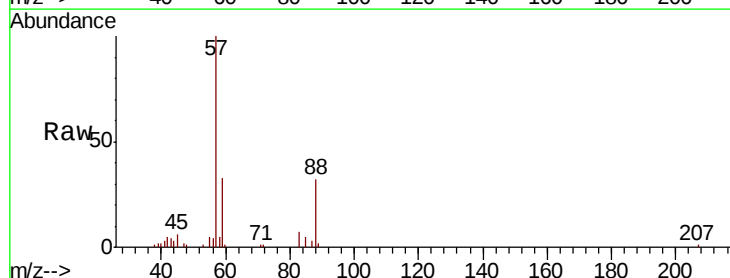


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

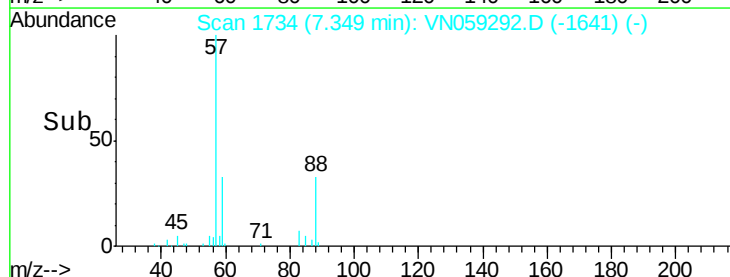
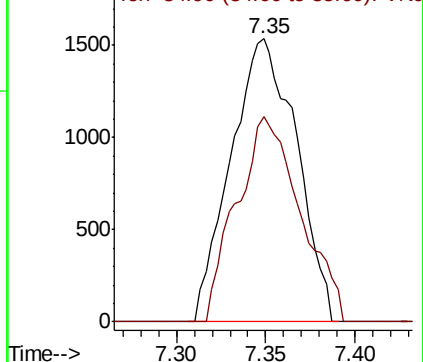


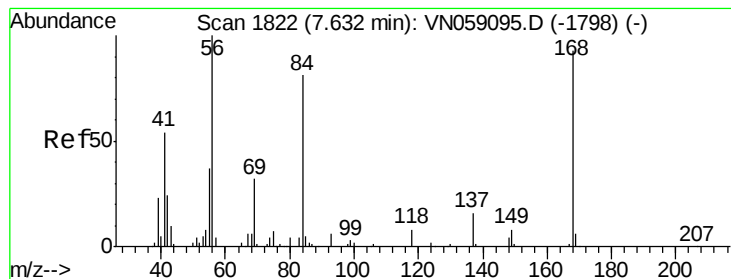
#30
Chloroform
Concen: 0.436 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Tgt Ion: 83 Resp: 3934
Ion Ratio Lower Upper
83 100
85 72.7 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: 2.661 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

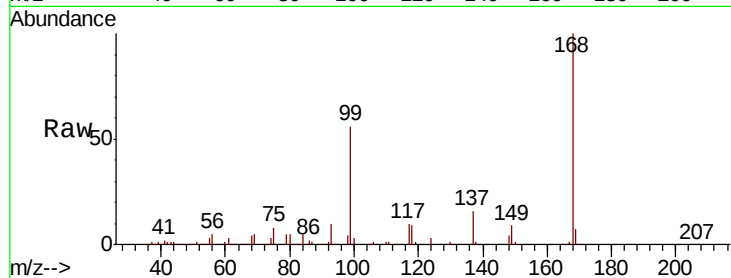
Tot Ion: 56 Resp: 23711

Ion Ratio Lower Upper

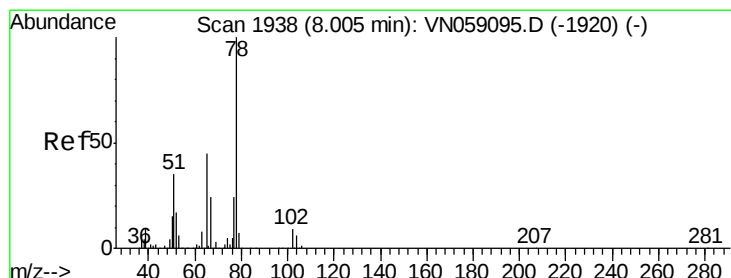
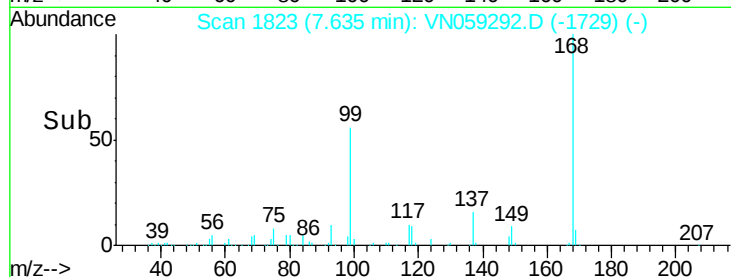
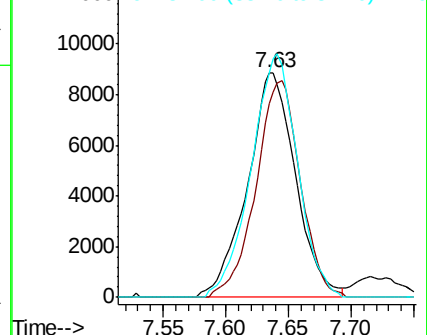
56 100

69 85.9 25.8 38.8#

84 99.6 65.0 97.4#



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



#33

1,2-Dichloroethane-d4

Concen: 45.987 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059292.D

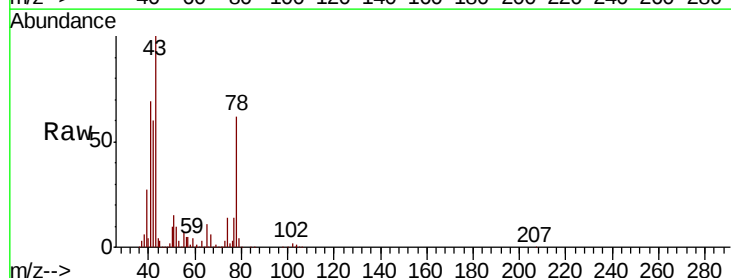
Acq: 18 Nov 2019 18:18

Tgt Ion: 65 Resp: 263159

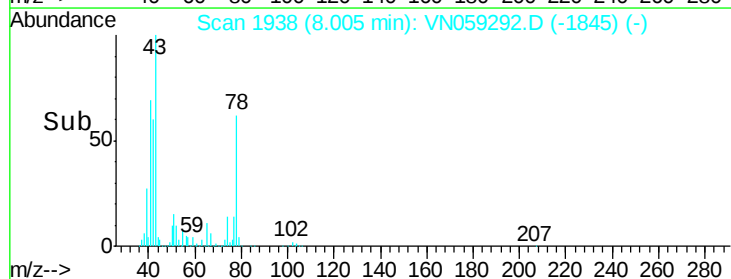
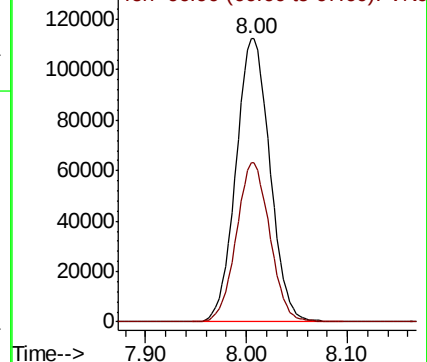
Ion Ratio Lower Upper

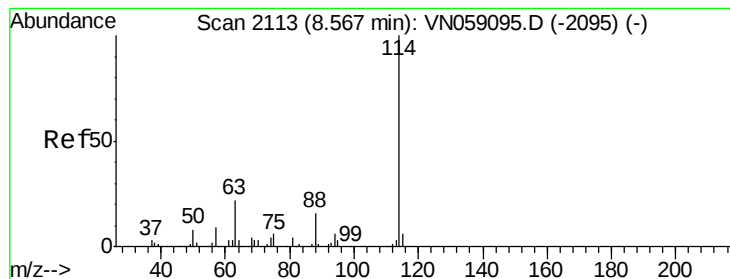
65 100

67 55.4 0.0 107.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

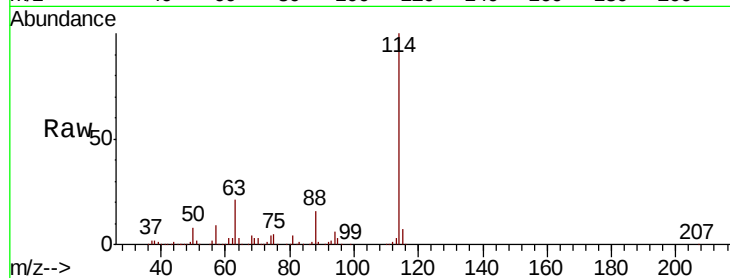
Tot Ion:114 Resp: 722455

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.4

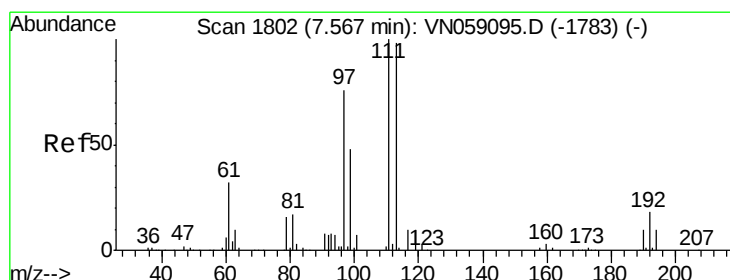
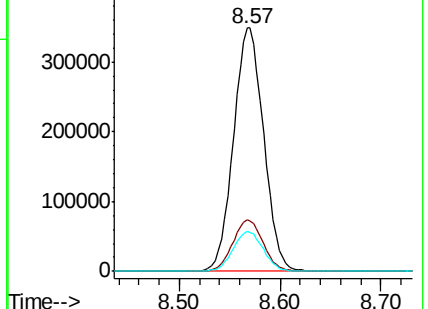
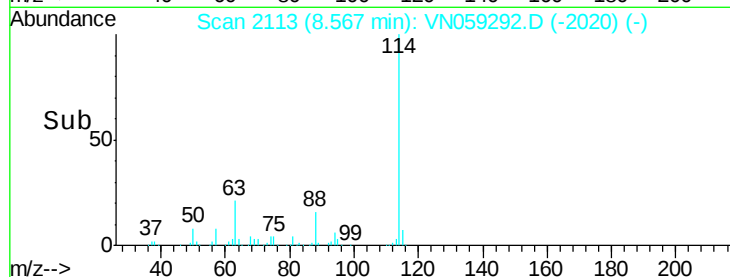
88 16.3 0.0 32.2



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: 49.559 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

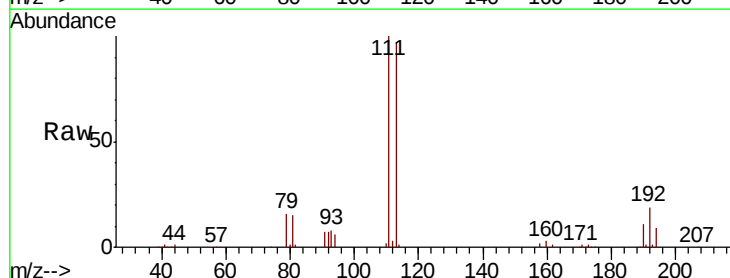
Tgt Ion:113 Resp: 213787

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

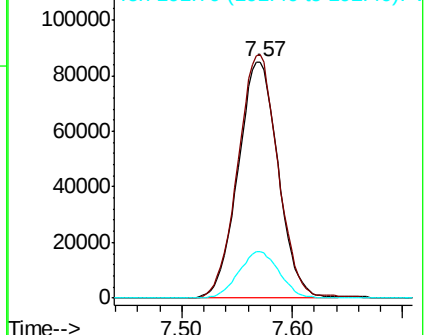
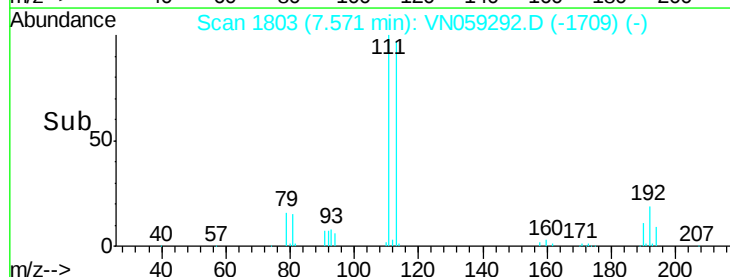
192 19.9 16.1 24.1

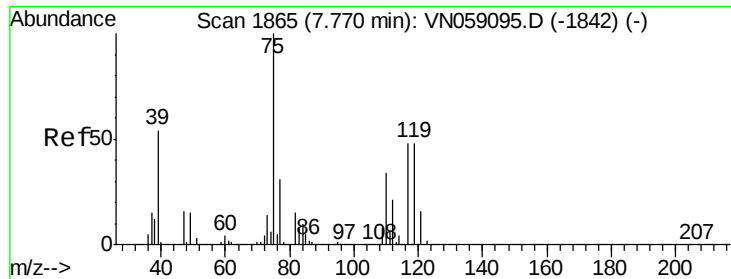


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

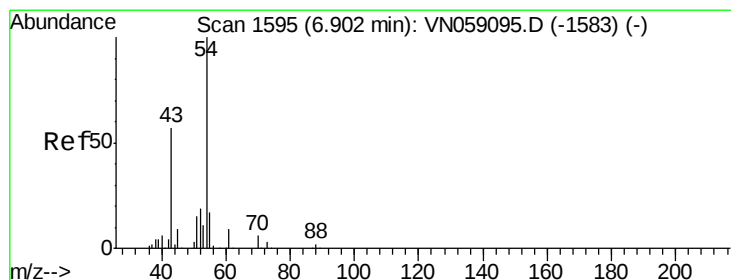
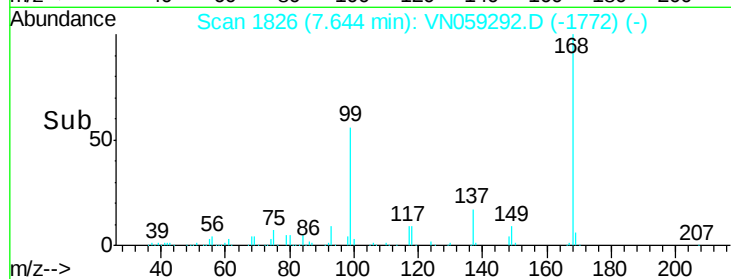
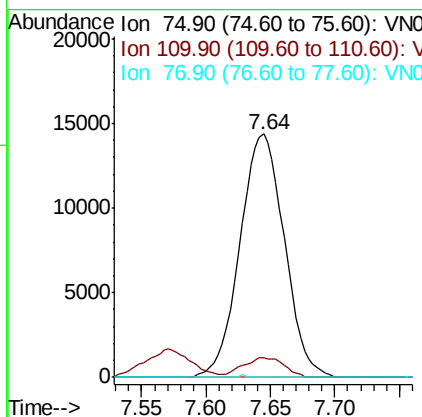
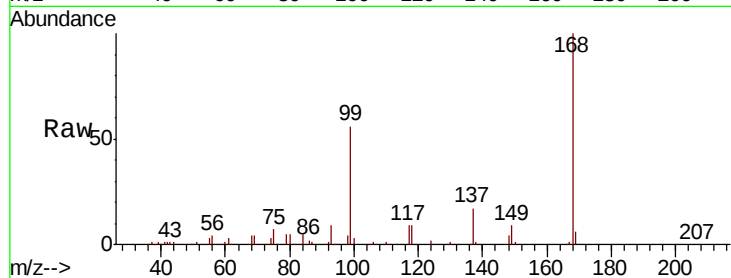




#36
 1,1-Dichloropropene
 Concen: 5.106 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059292.D
 Acq: 18 Nov 2019 18:18

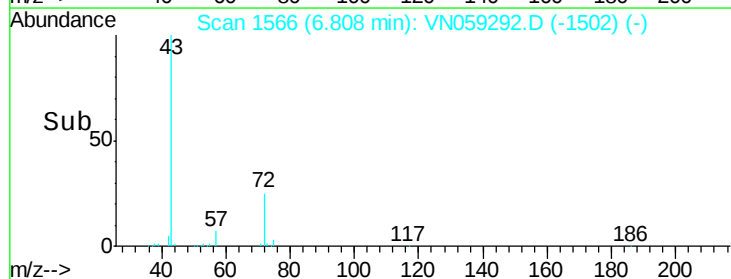
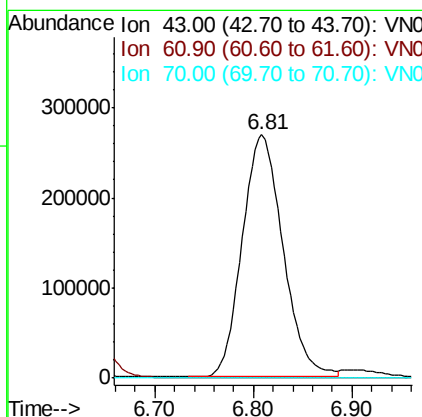
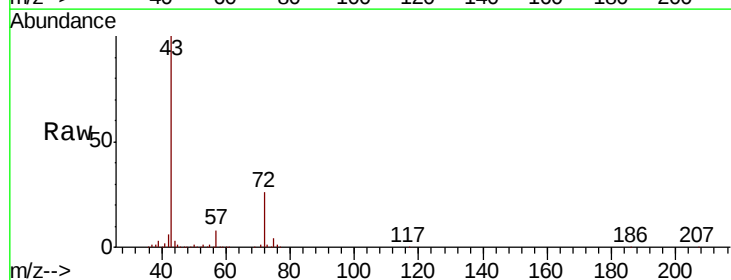
Instrument :
 MSVOA_N
 ClientSampled :

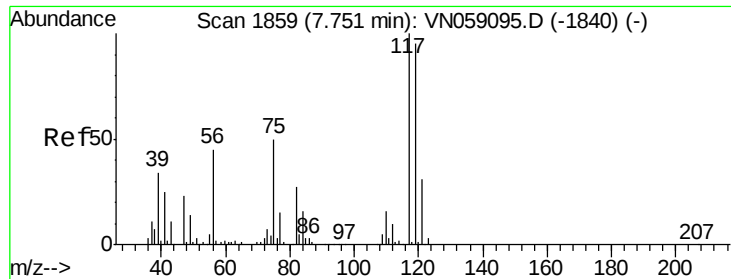
Tot Ion	75	Resp	34480
Ion Ratio	100	Lower	Upper
75	100		
110	7.6	17.1	51.2#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 102.506 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN059292.D
 Acq: 18 Nov 2019 18:18

Tgt Ion	43	Resp	770061
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	7.8	11.8#

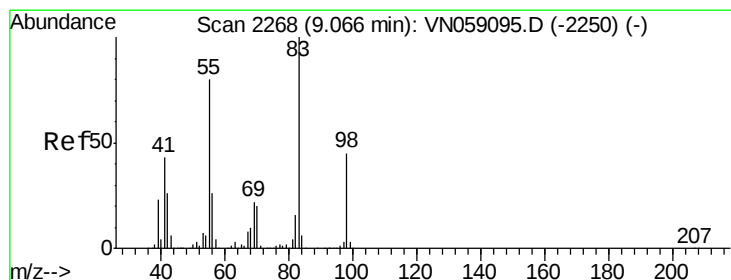
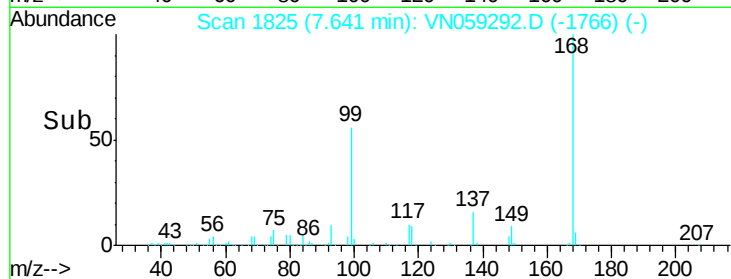
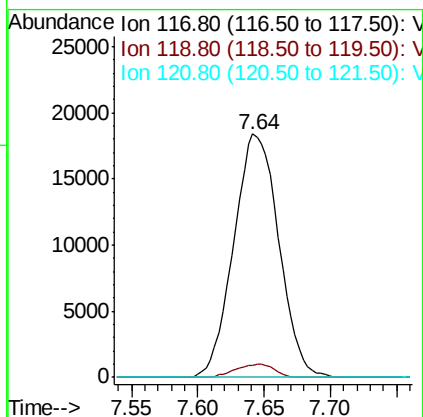
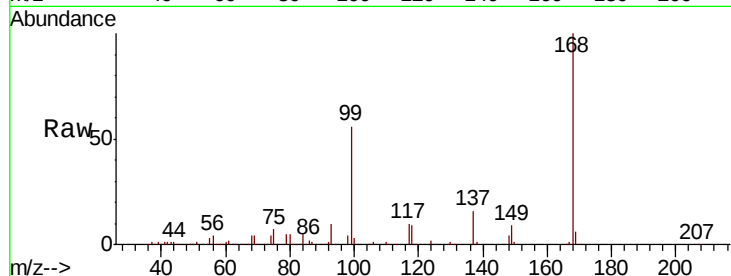




#38
Carbon Tetrachloride
Concen: 6.476 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

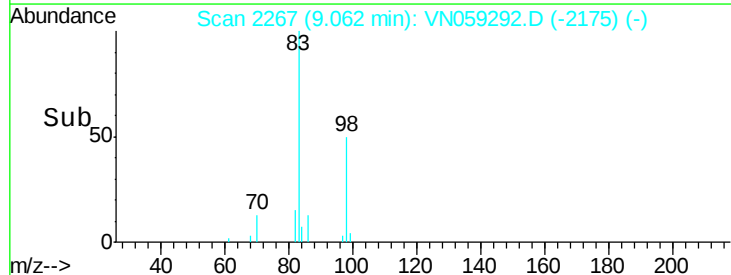
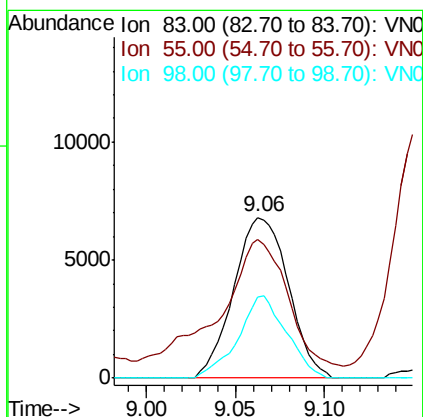
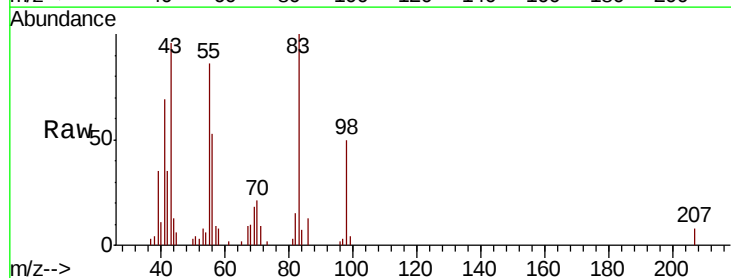
Instrument :
MSVOA_N
ClientSampled :

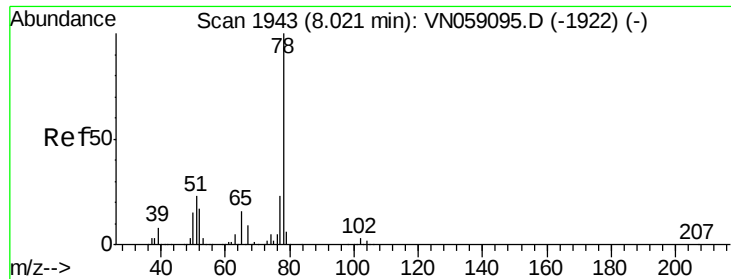
Tot Ion:117 Resp: 43527
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.0 24.6 36.8#



#39
Methylcyclohexane
Concen: 1.858 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Tgt Ion: 83 Resp: 14564
Ion Ratio Lower Upper
83 100
55 77.9 63.9 95.9
98 50.1 35.6 53.4

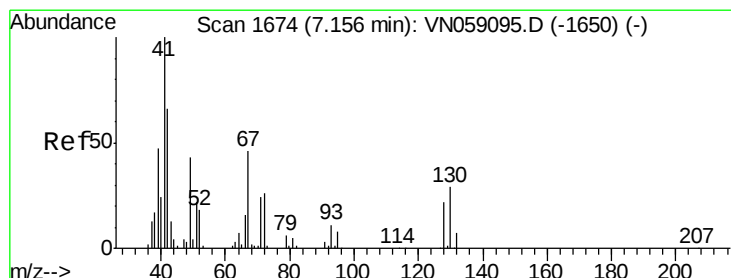
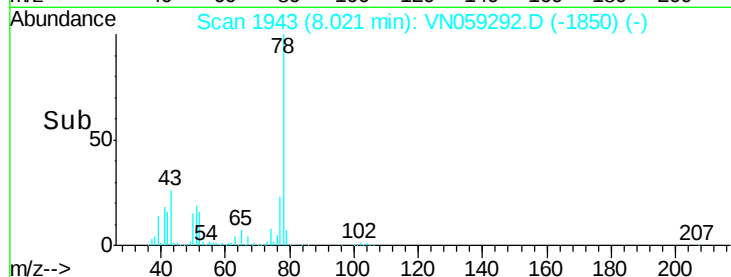
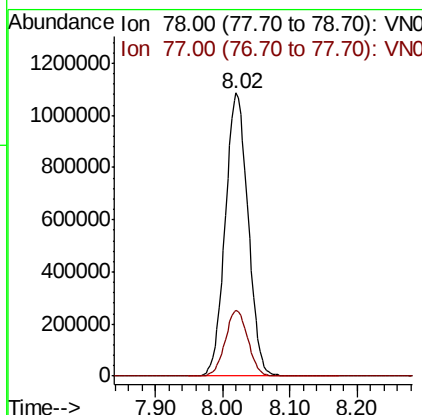
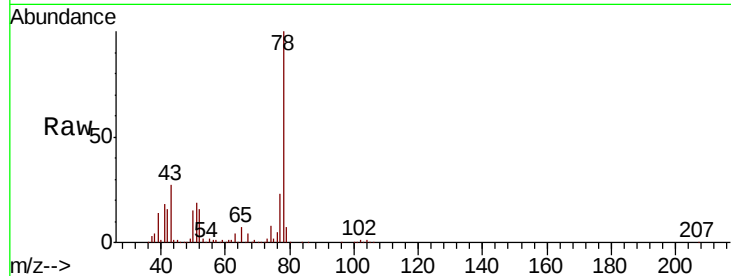




#40
Benzene
Concen: 125.812 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

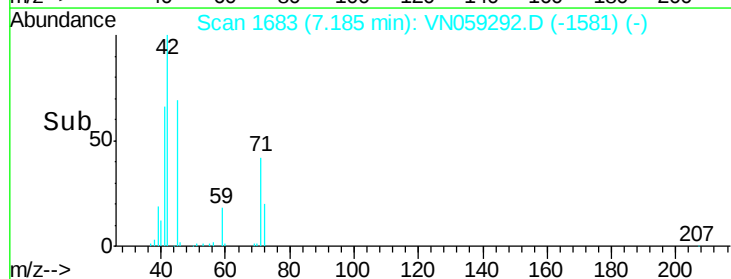
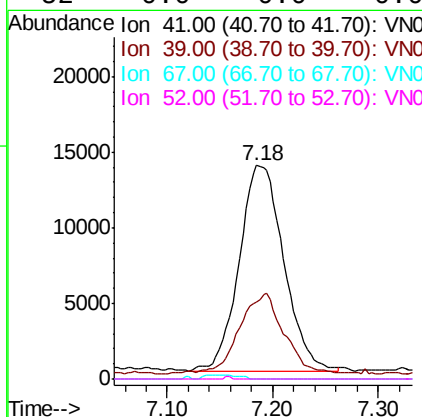
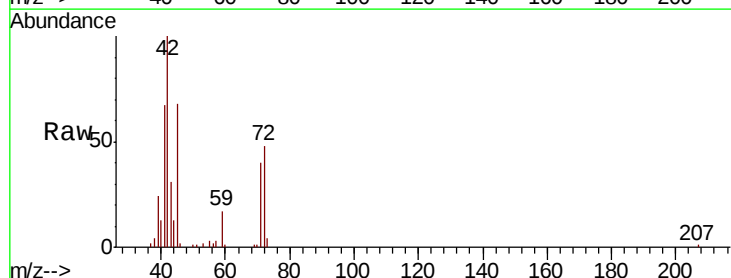
Instrument :
MSVOA_N
ClientSampled :

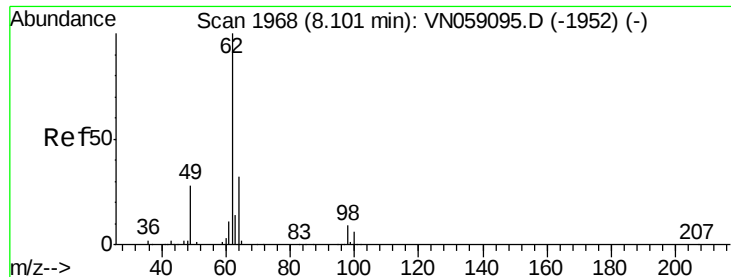
Tot Ion: 78 Resp: 2558408
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2



#41
Methacrylonitrile
Concen: 12.286 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Tgt Ion: 41 Resp: 40133
Ion Ratio Lower Upper
41 100
39 38.2 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#42

1,2-Dichloroethane

Concen: 4.150 ug/l

RT: 8.09 min Scan# 1964

Delta R.T. -0.01 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

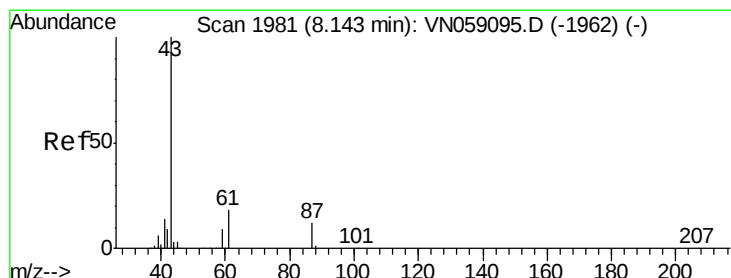
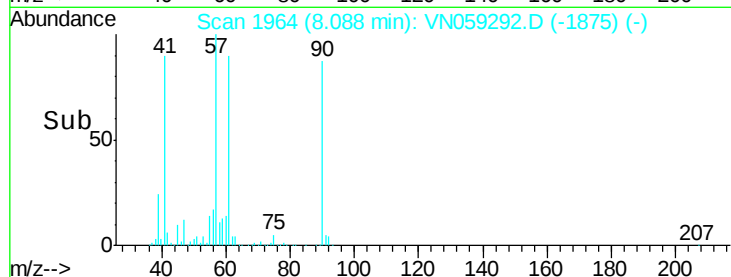
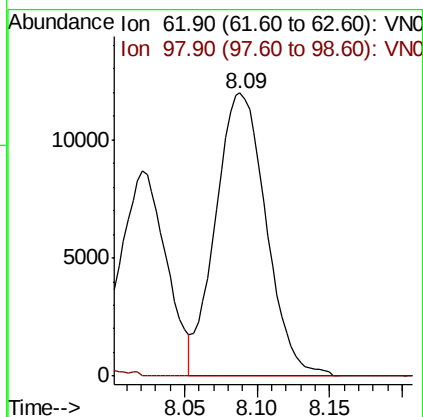
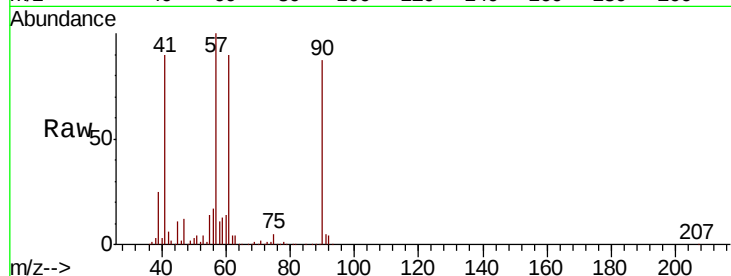
ClientSampleId :

Tot Ion: 62 Resp: 28942

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.8



#43

Isopropyl Acetate

Concen: 238.960 ug/l

RT: 7.99 min Scan# 1935

Delta R.T. -0.15 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

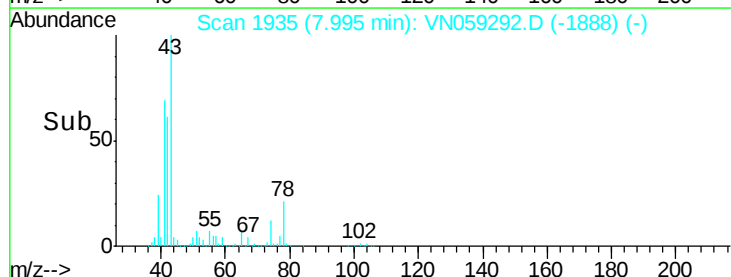
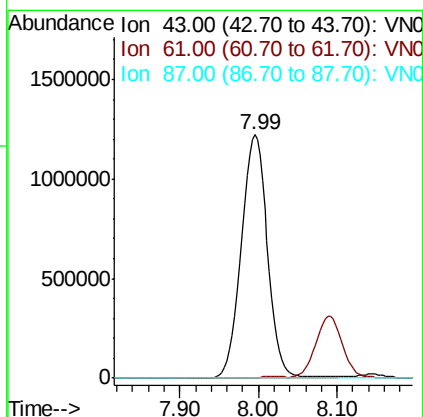
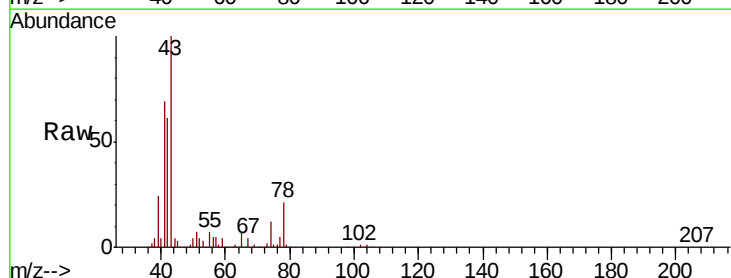
Tgt Ion: 43 Resp: 2861923

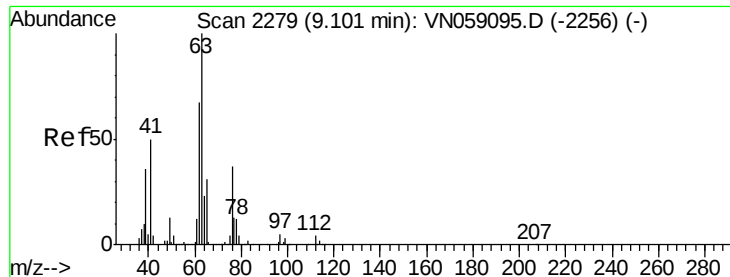
Ion Ratio Lower Upper

43 100

61 0.0 21.0 31.6#

87 0.0 9.8 14.6#

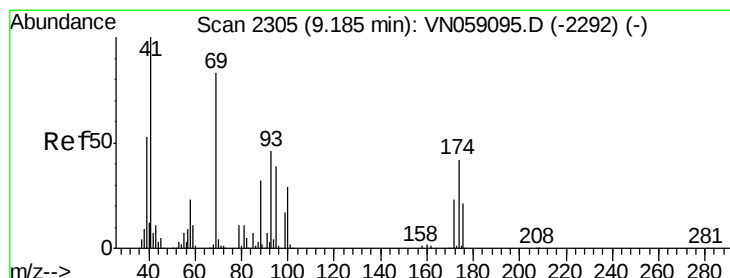
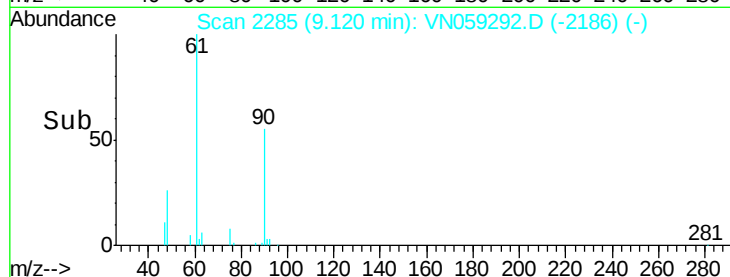
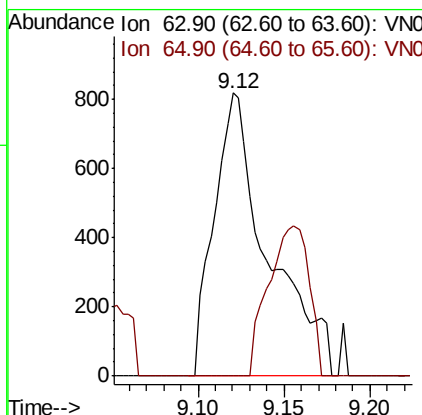
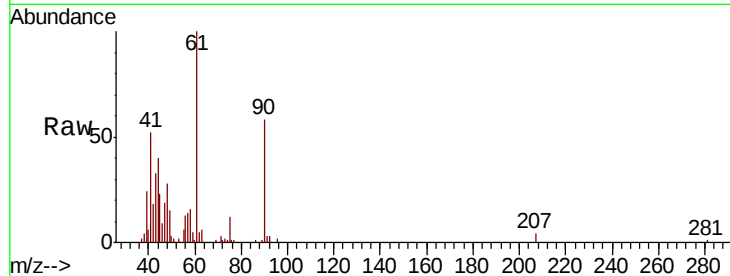




#45
 1,2-Dichloropropane
 Concen: 0.324 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.02 min
 Lab File: VN059292.D
 Acq: 18 Nov 2019 18:18

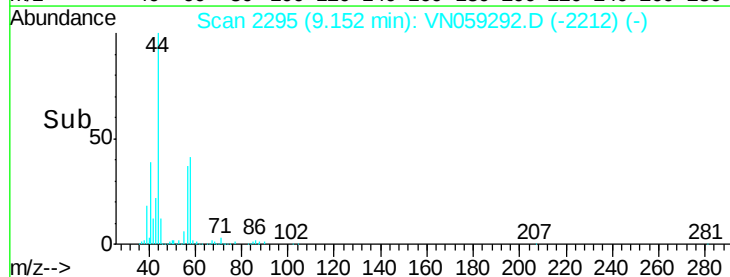
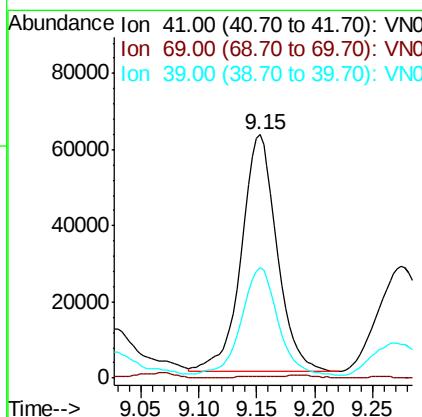
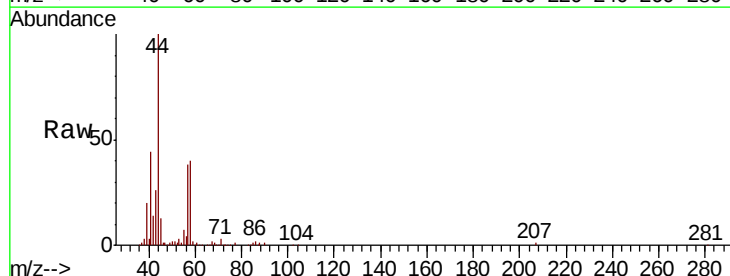
Instrument :
 MSVOA_N
 ClientSampled :

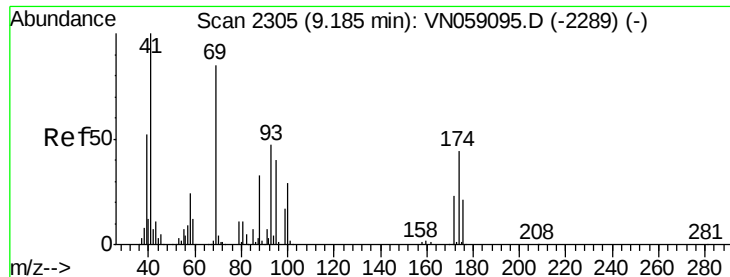
Tot Ion: 63 Resp: 1792
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 37.0#



#48
 Methyl methacrylate
 Concen: 24.815 ug/l
 RT: 9.15 min Scan# 2295
 Delta R.T. -0.03 min
 Lab File: VN059292.D
 Acq: 18 Nov 2019 18:18

Tgt Ion: 41 Resp: 132936
 Ion Ratio Lower Upper
 41 100
 69 0.0 67.3 100.9#
 39 46.5 43.3 64.9





#49

1,4-Dioxane

Concen: 582.228 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :

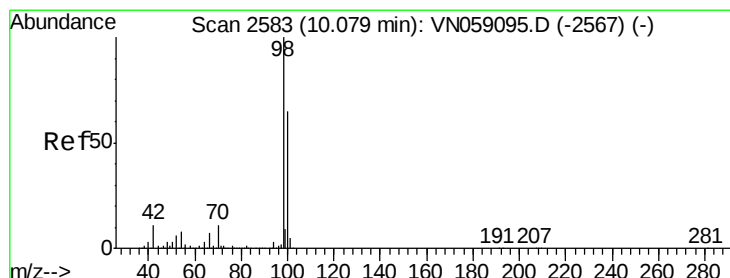
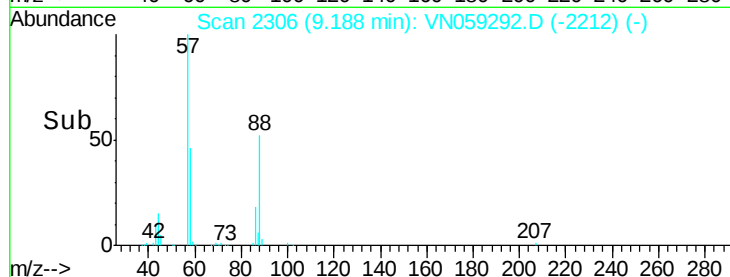
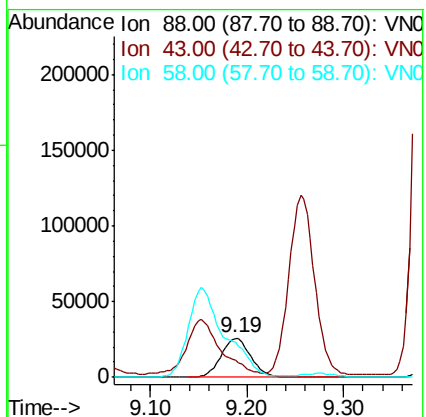
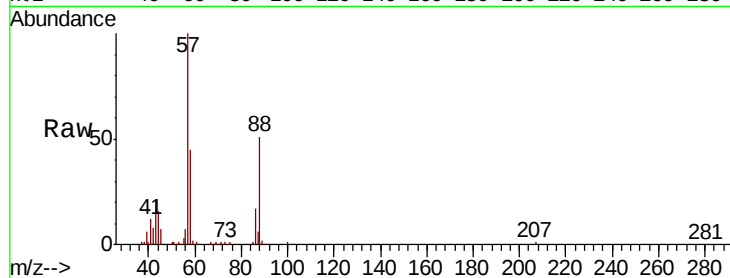
Tot Ion: 88 Resp: 55430

Ion Ratio Lower Upper

88 100

43 0.0 26.3 39.5#

58 0.0 60.6 90.8#



#50

Toluene-d8

Concen: 52.228 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059292.D

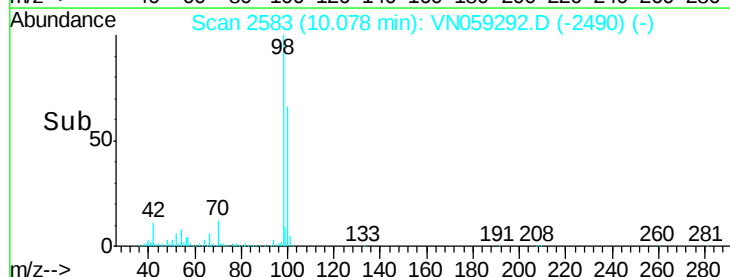
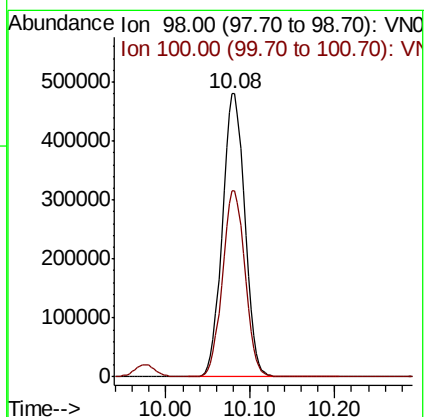
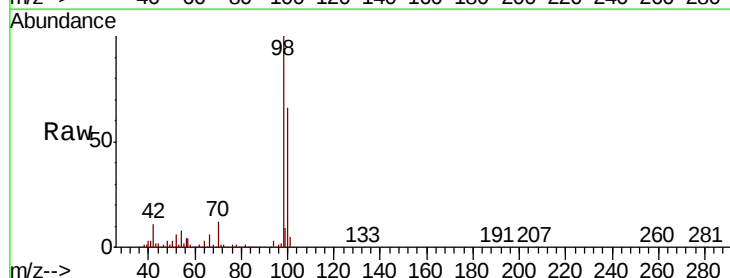
Acq: 18 Nov 2019 18:18

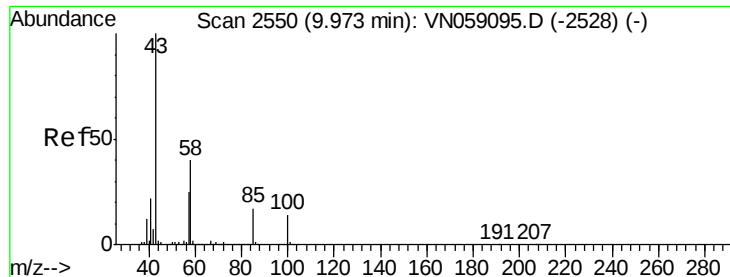
Tgt Ion: 98 Resp: 887437

Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 36.084 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

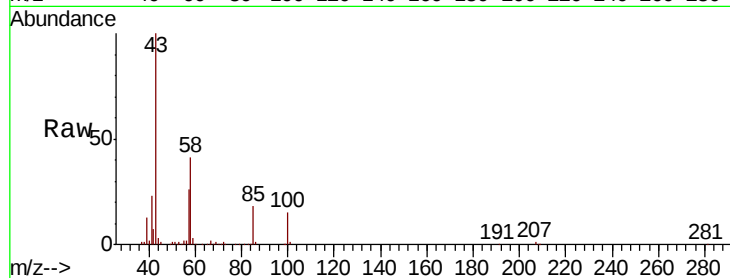
ClientSampled :

Tot Ion: 43 Resp: 244528

Ion Ratio Lower Upper

43 100

58 41.7 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

9.98

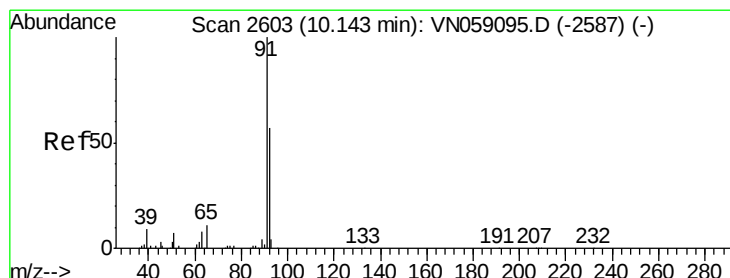
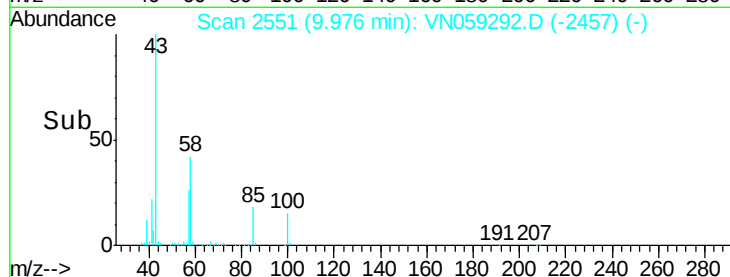
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 182.743 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059292.D

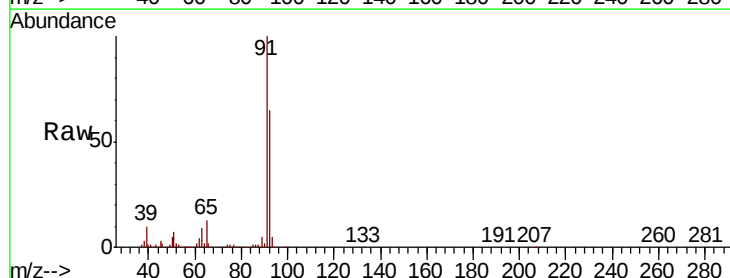
Acq: 18 Nov 2019 18:18

Tgt Ion: 92 Resp: 2227335

Ion Ratio Lower Upper

92 100

91 162.1 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

10.15

2000000

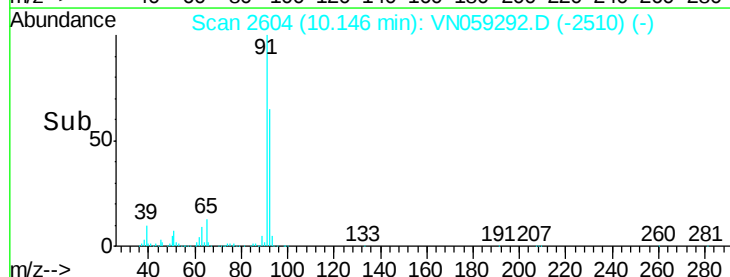
1500000

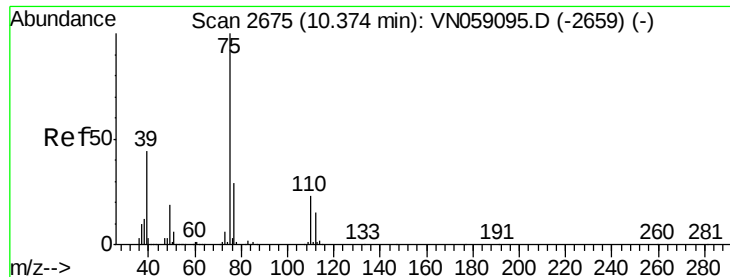
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.640 ug/l

RT: 10.45 min Scan# 2699

Delta R.T. 0.08 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

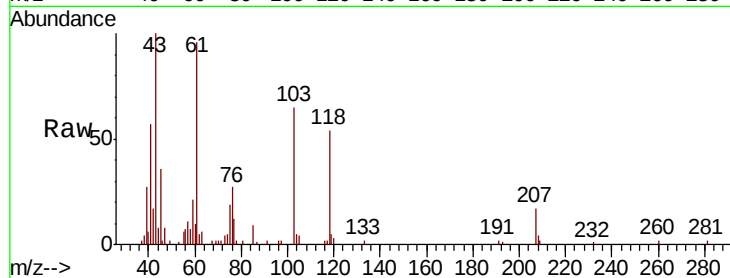
ClientSampled :

Tot Ion: 75 Resp: 5078

Ion Ratio Lower Upper

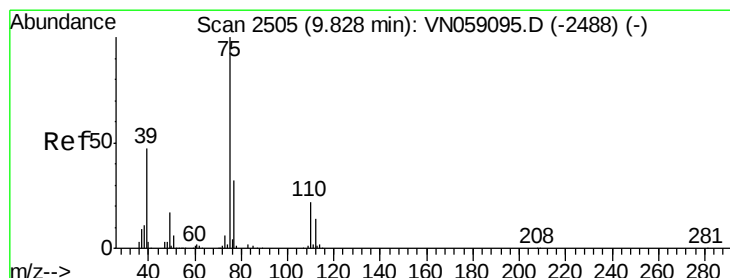
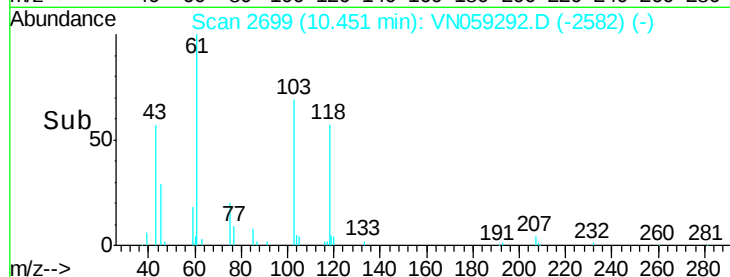
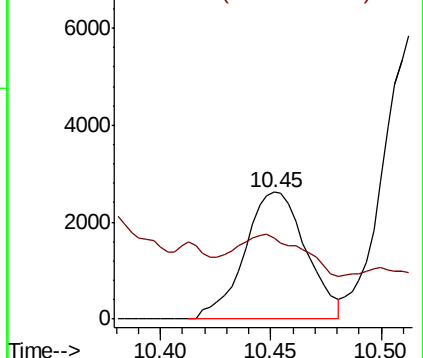
75 100

77 30.6 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.203 ug/l

RT: 9.80 min Scan# 2495

Delta R.T. -0.03 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

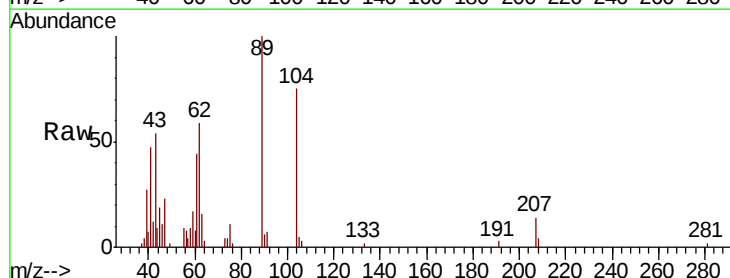
Tgt Ion: 75 Resp: 1737

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

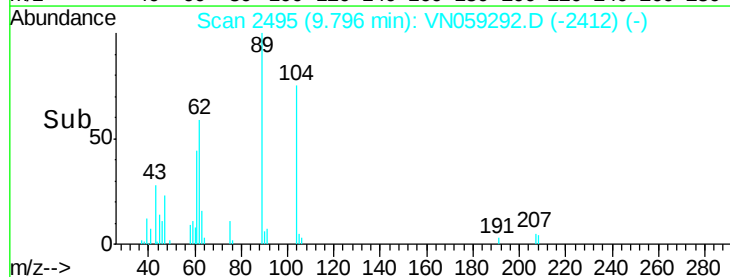
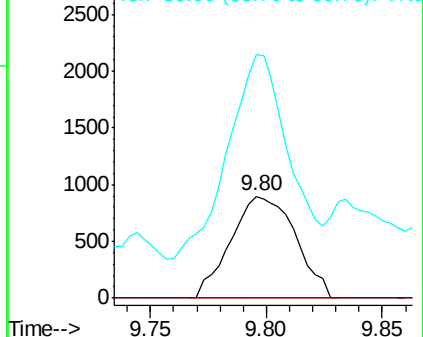
39 181.2 37.3 55.9#

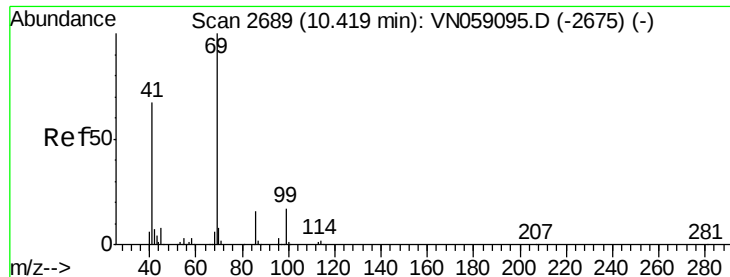


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 5.562 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.07 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

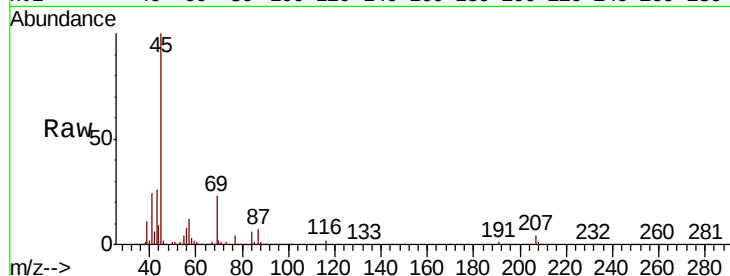
Tot Ion: 69 Resp: 31530

Ion Ratio Lower Upper

69 100

41 81.0 53.6 80.4#

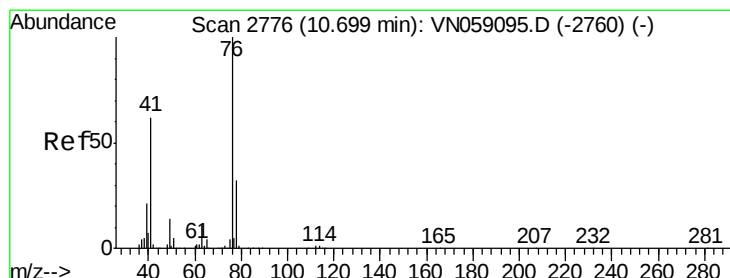
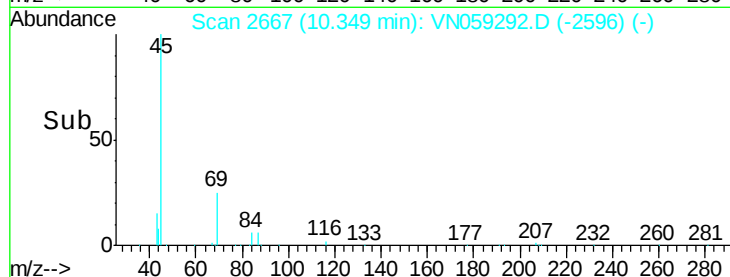
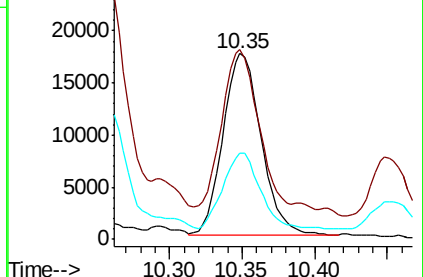
39 40.9 26.2 39.4#



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: 0.214 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN059292.D

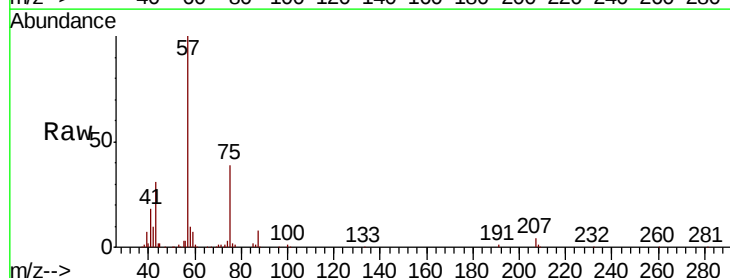
Acq: 18 Nov 2019 18:18

Tgt Ion: 76 Resp: 1814

Ion Ratio Lower Upper

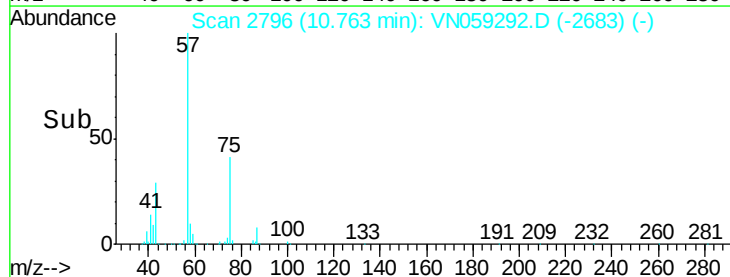
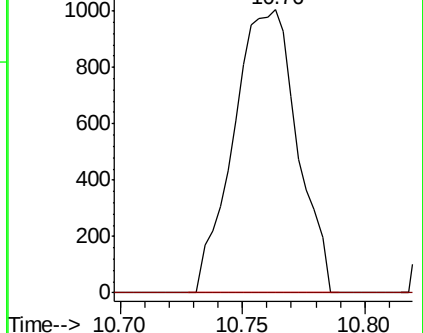
76 100

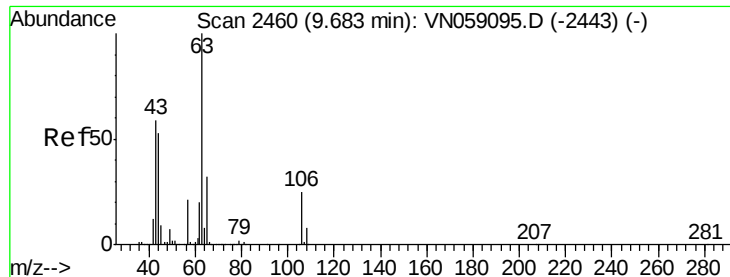
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

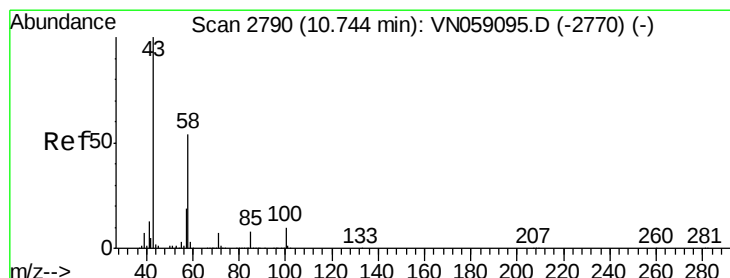
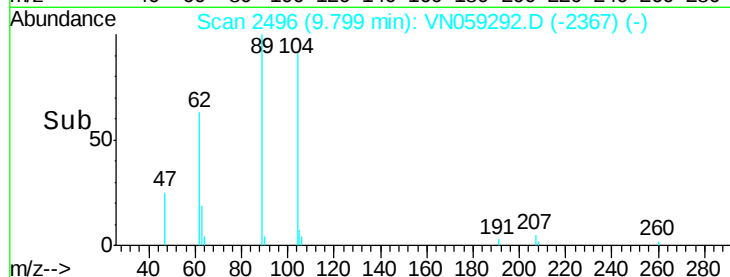
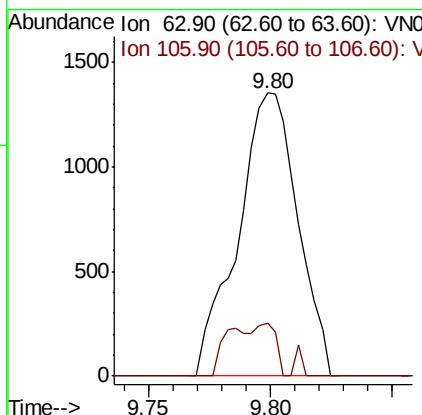
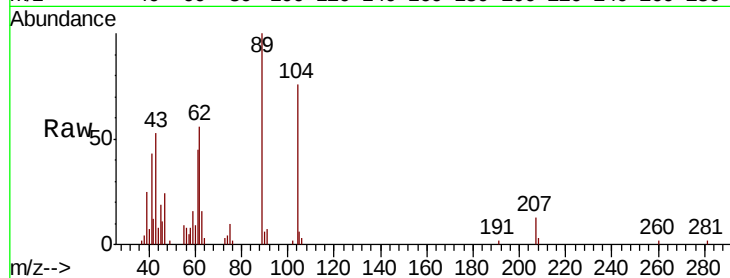




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.839 ug/l
 RT: 9.80 min Scan# 2496
 Delta R.T. 0.12 min
 Lab File: VN059292.D
 Acq: 18 Nov 2019 18:18

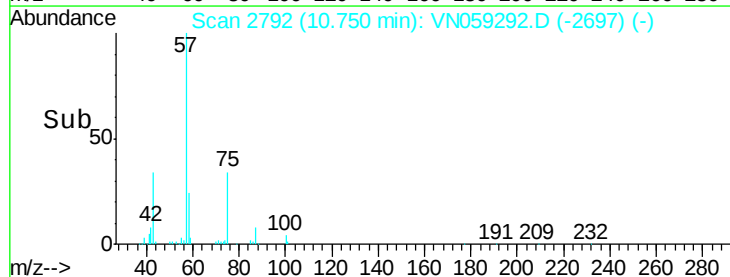
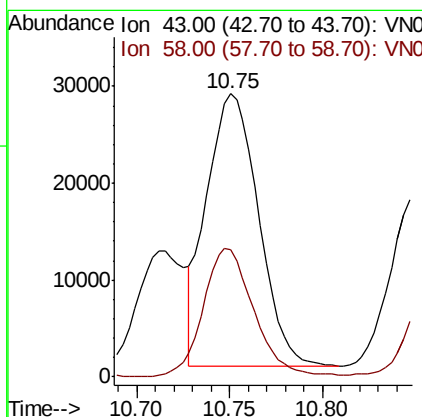
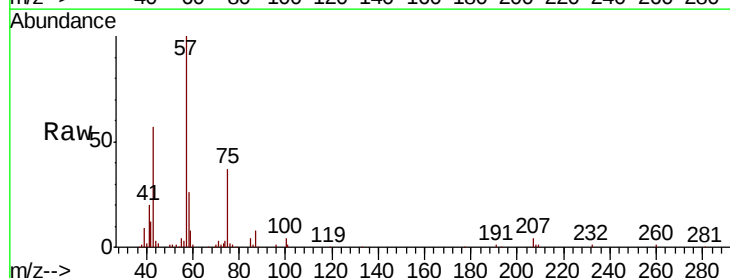
Instrument :
 MSVOA_N
 ClientSampled :

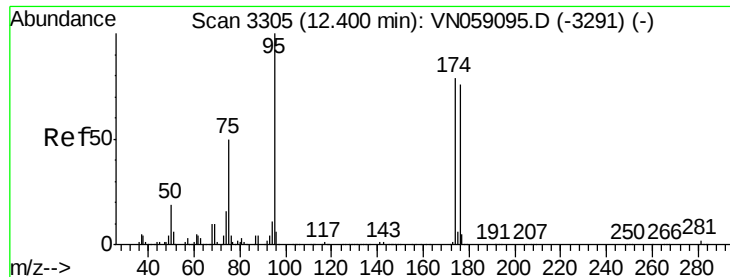
Tot Ion: 63 Resp: 2302
 Ion Ratio Lower Upper
 63 100
 106 6.9 20.2 30.2#



#59
 2-Hexanone
 Concen: 10.525 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.01 min
 Lab File: VN059292.D
 Acq: 18 Nov 2019 18:18

Tgt Ion: 43 Resp: 54747
 Ion Ratio Lower Upper
 43 100
 58 46.1 27.3 81.8

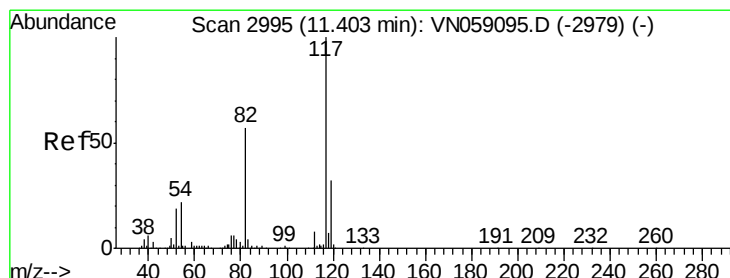
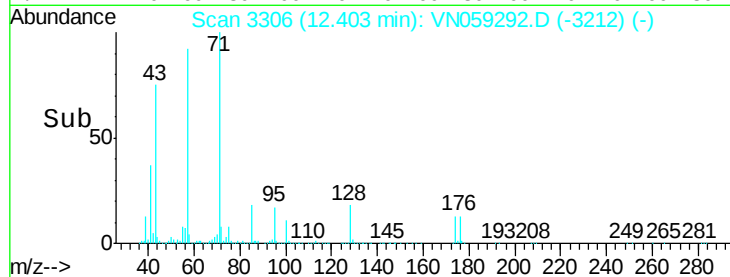
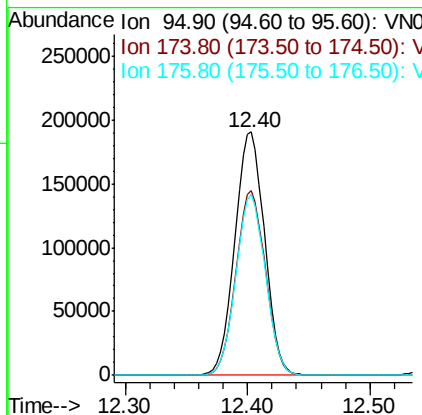
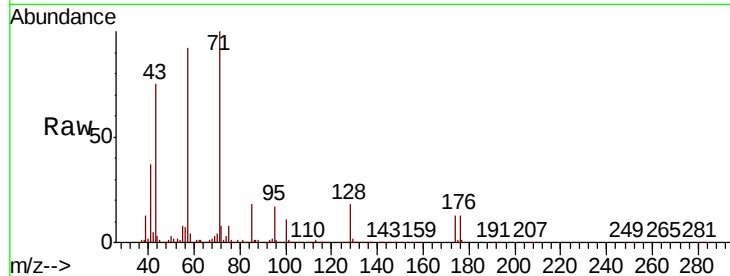




#62
4-Bromofluorobenzene
Concen: 52.386 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

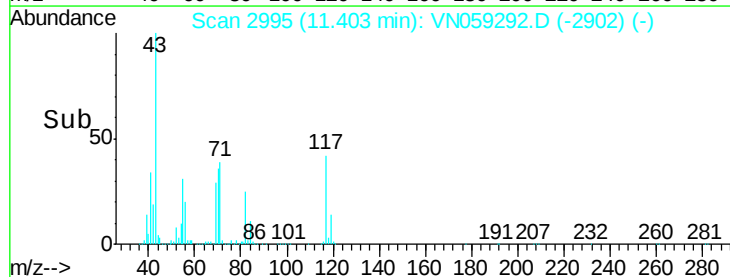
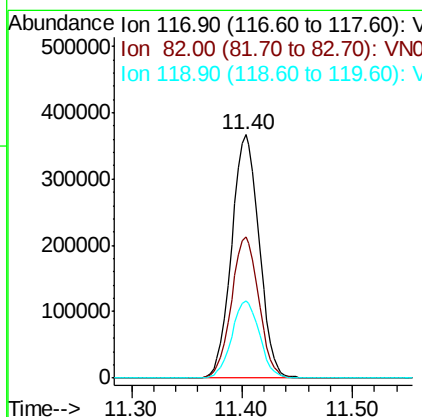
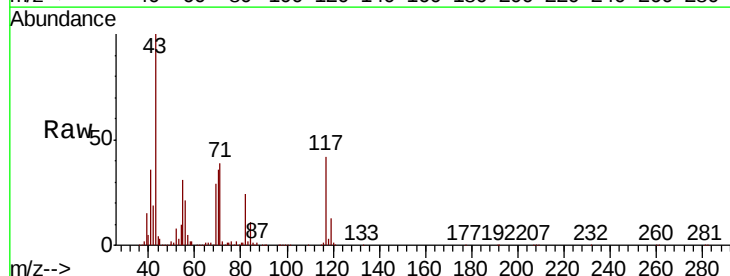
Instrument :
MSVOA_N
ClientSampled :

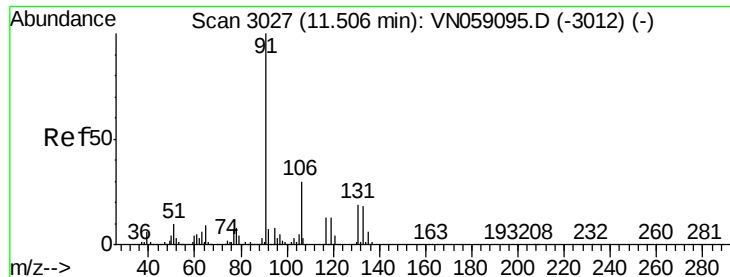
Tot Ion	95	Resp	320942
Ion Ratio	Lower	Upper	
95	100		
174	75.6	0.0	158.2
176	73.9	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Tgt Ion	117	Resp	635725
Ion Ratio	Lower	Upper	
117	100		
82	57.8	45.8	68.8
119	31.8	25.8	38.6





#67

Ethyl Benzene

Concen: 22.823 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

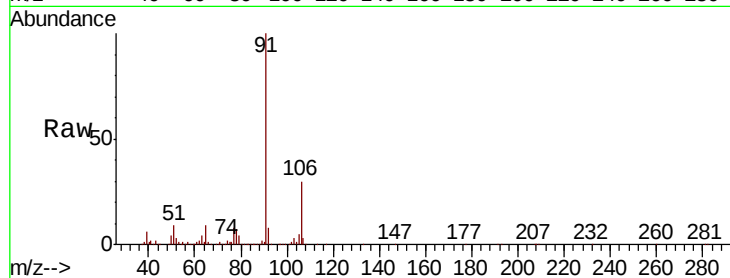
ClientSampled :

Tot Ion: 91 Resp: 501815

Ion Ratio Lower Upper

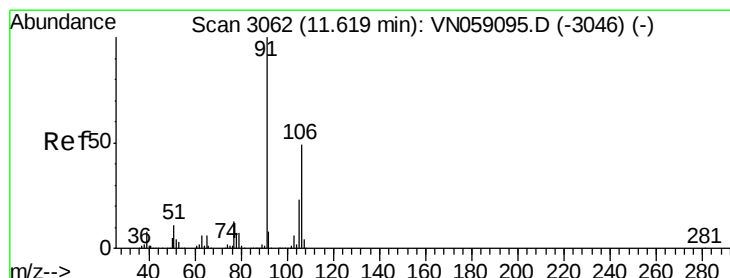
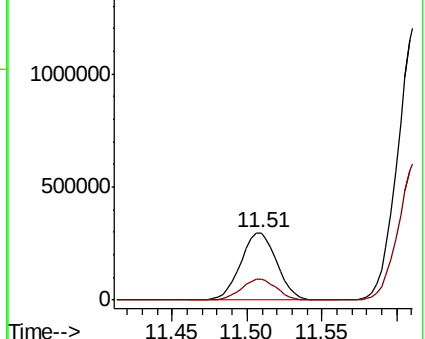
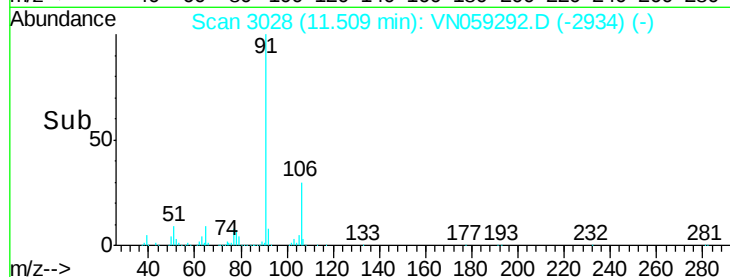
91 100

106 30.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059292.D (-2934) (-)

Ion 106.00 (105.70 to 106.70): VN059292.D (-2934) (-)



#68

m/p-Xylenes

Concen: 144.049 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059292.D

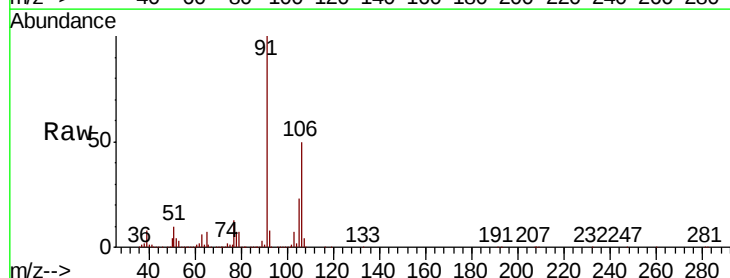
Acq: 18 Nov 2019 18:18

Tgt Ion: 106 Resp: 1186432

Ion Ratio Lower Upper

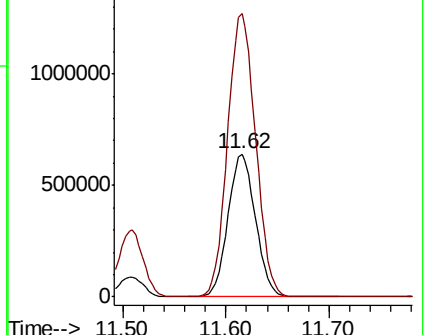
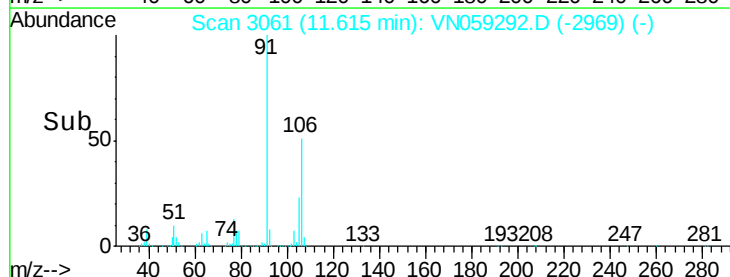
106 100

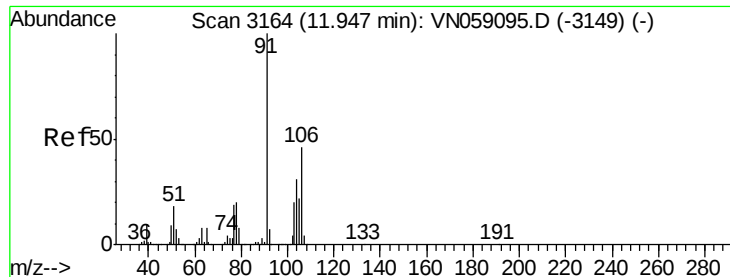
91 202.7 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059292.D (-2969) (-)

Ion 91.00 (90.70 to 91.70): VN059292.D (-2969) (-)

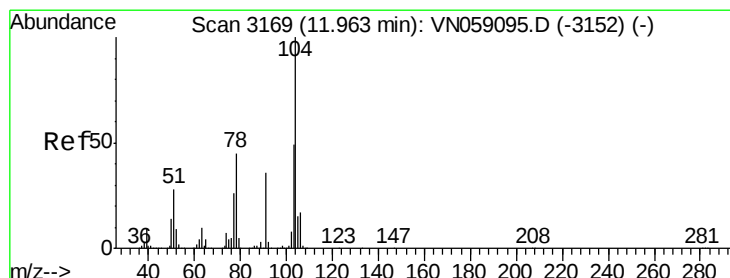
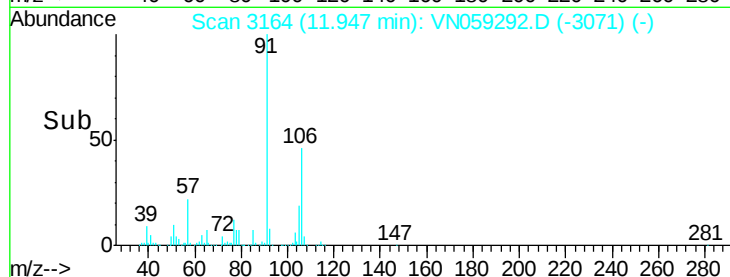
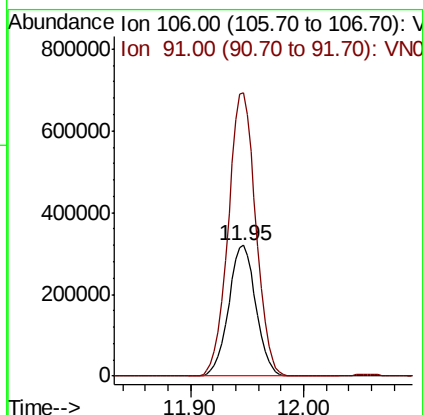
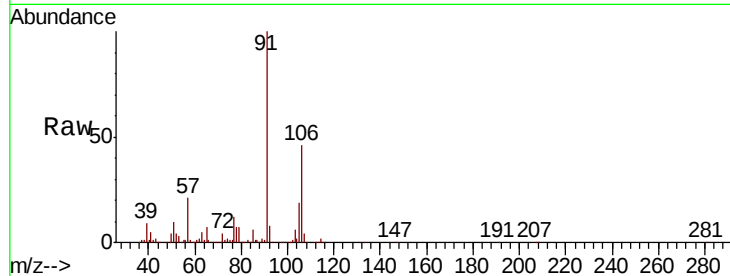




#69
o-Xylene
Concen: 67.096 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

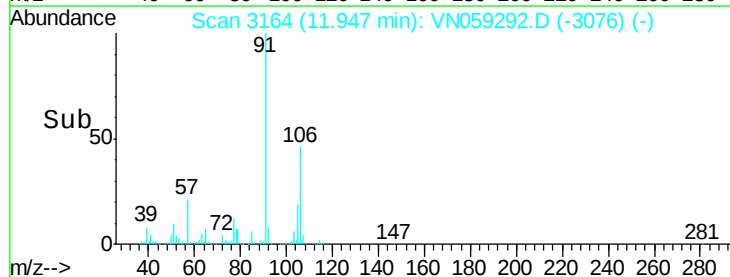
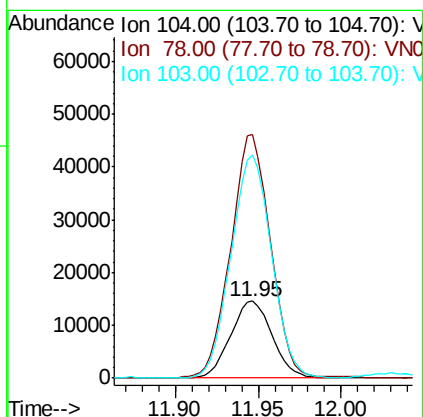
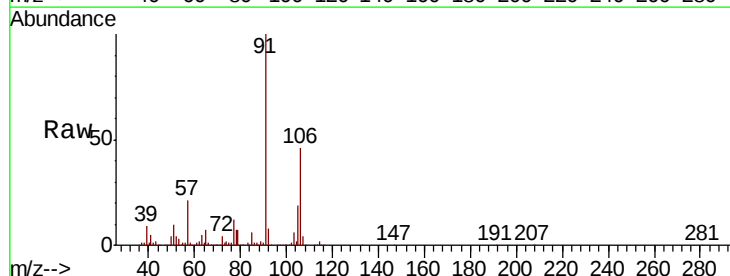
Instrument :
MSVOA_N
ClientSampleId :

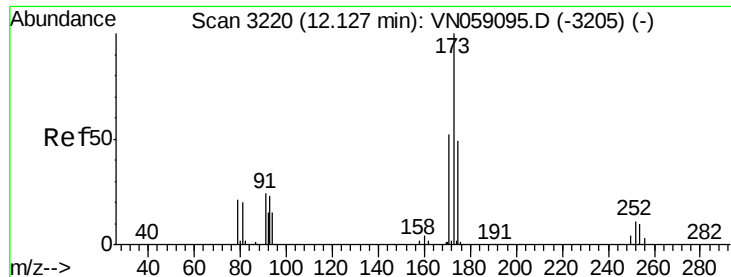
Tot Ion:106 Resp: 534050
Ion Ratio Lower Upper
106 100
91 219.0 110.1 330.3



#70
Styrene
Concen: 2.028 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Tgt Ion:104 Resp: 25381
Ion Ratio Lower Upper
104 100
78 303.9 41.2 61.8#
103 284.7 43.8 65.6#





#71

Bromoform

Concen: 0.452 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

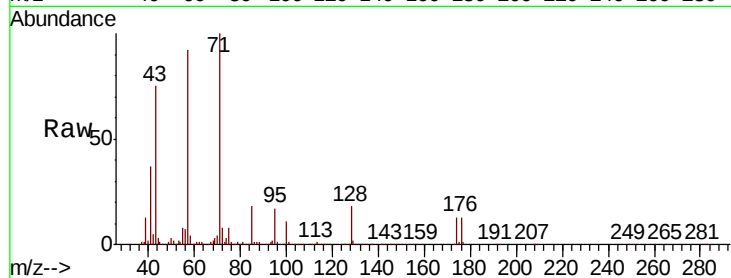
Tot Ion:173 Resp: 1634

Ion Ratio Lower Upper

173 100

175 962.2 24.2 72.6#

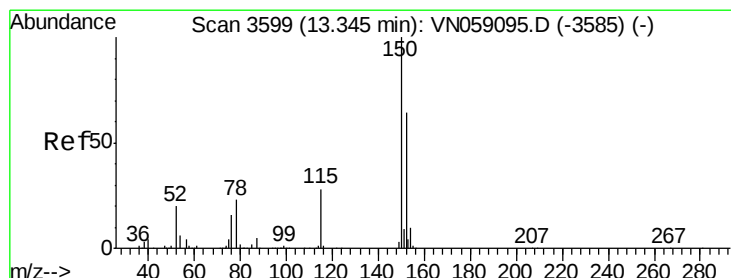
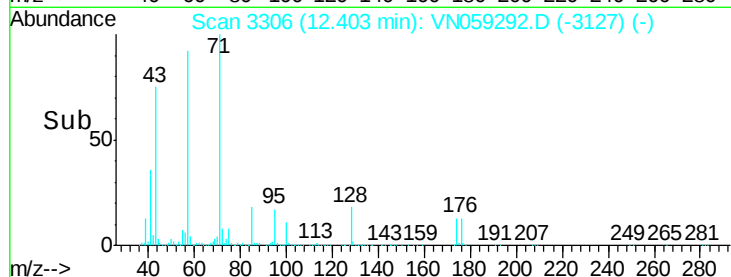
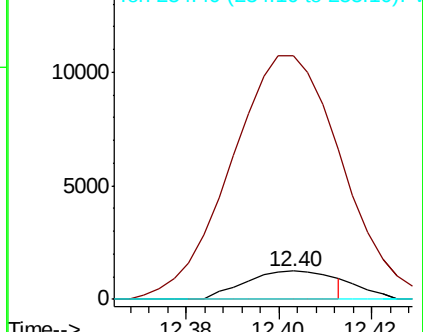
254 0.0 0.1 0.1#



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: VN059292.D

Acq: 18 Nov 2019 18:18

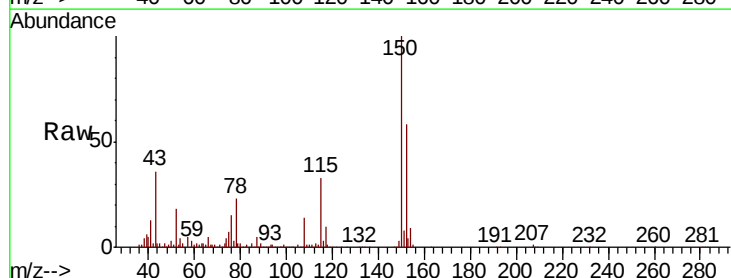
Tgt Ion:152 Resp: 310282

Ion Ratio Lower Upper

152 100

115 58.8 29.4 88.2

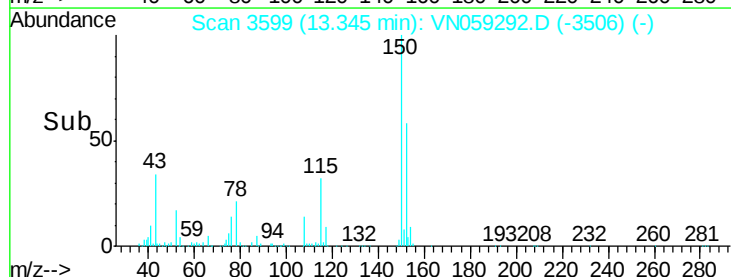
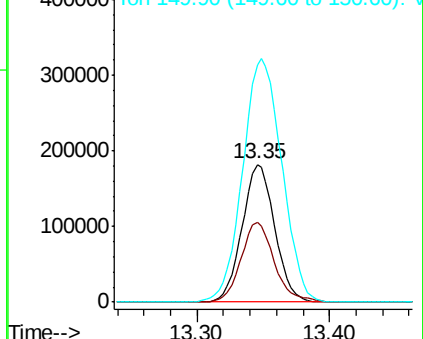
150 212.9 0.0 345.8

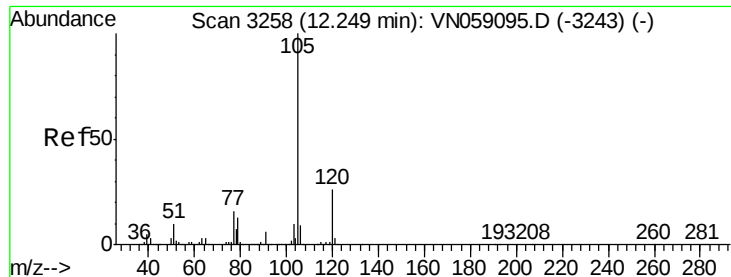


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.922 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

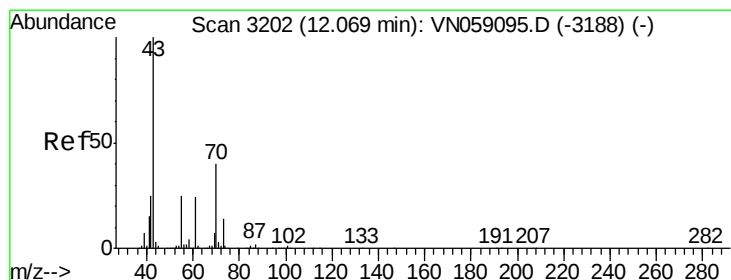
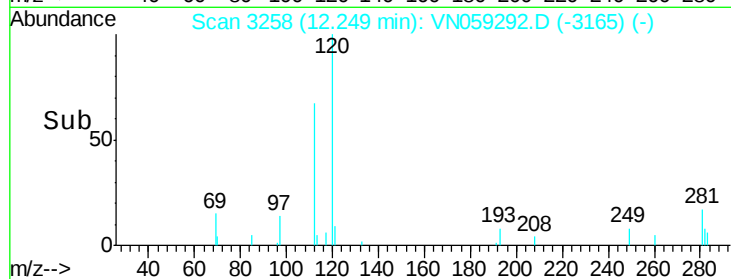
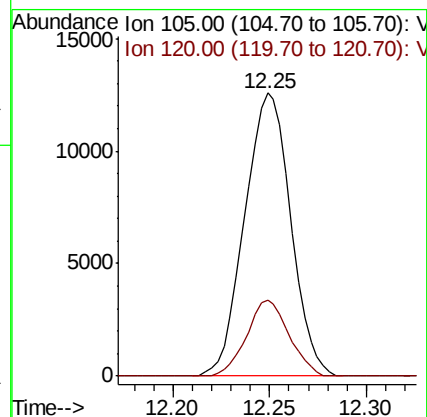
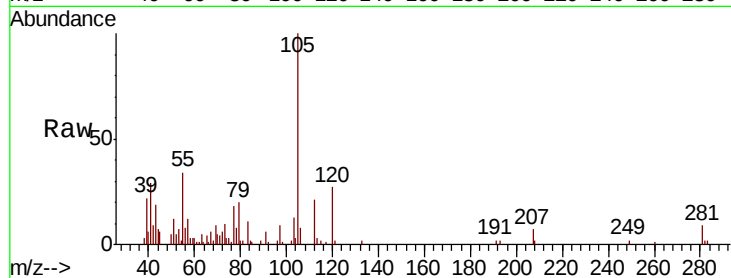
ClientSampleId :

Tot Ion:105 Resp: 20811

Ion Ratio Lower Upper

105 100

120 24.8 13.1 39.3



#74

N-ethyl acetate

Concen: 46.807 ug/l

RT: 11.99 min Scan# 3179

Delta R.T. -0.07 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Tgt Ion: 43 Resp: 447651

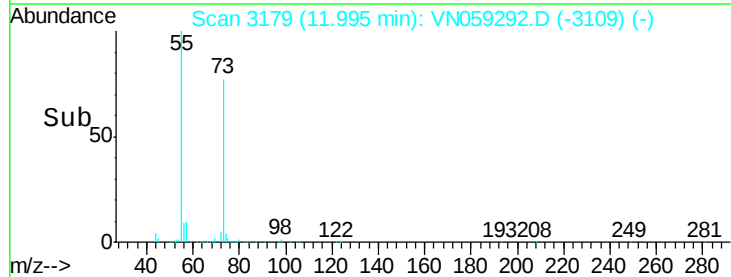
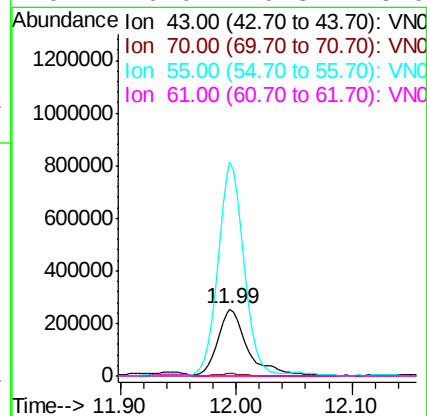
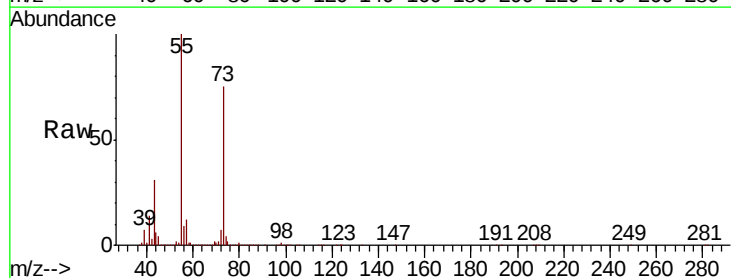
Ion Ratio Lower Upper

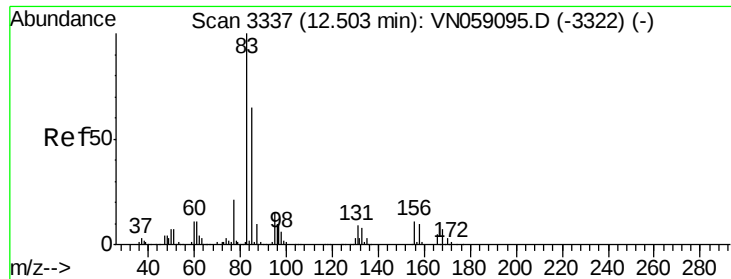
43 100

70 2.9 32.2 48.4#

55 277.7 20.4 30.6#

61 0.0 19.3 28.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 13.090 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.04 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

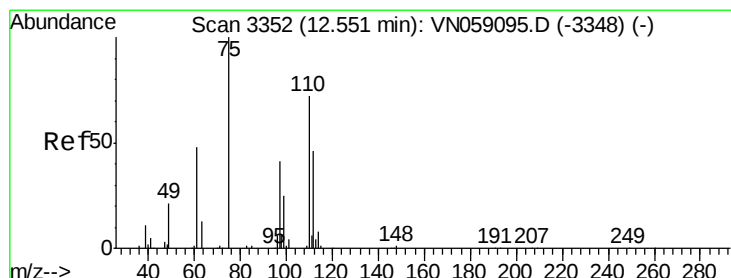
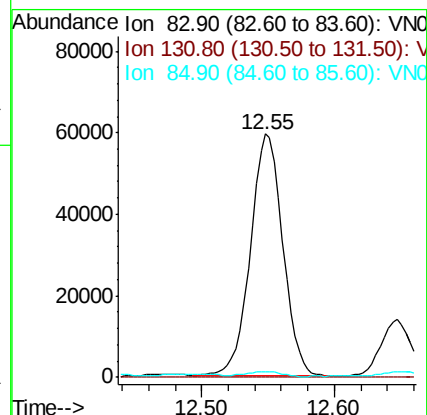
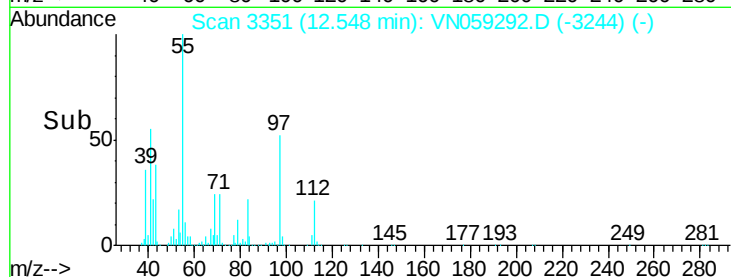
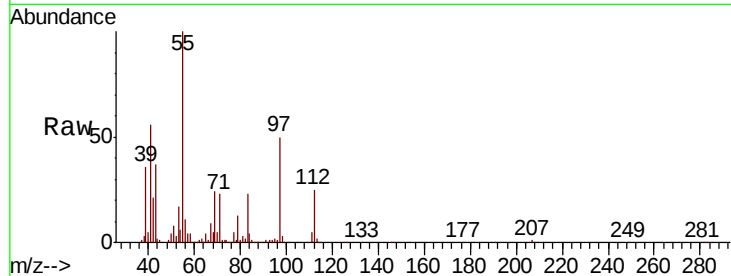
Tot Ion: 83 Resp: 100609

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: 21.506 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059292.D

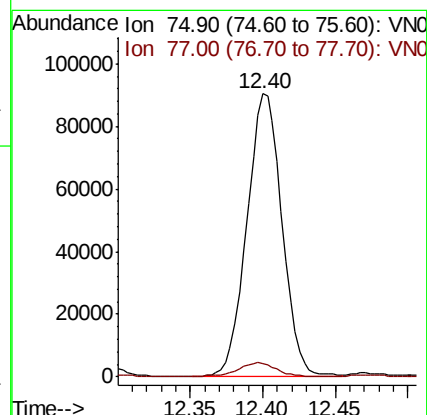
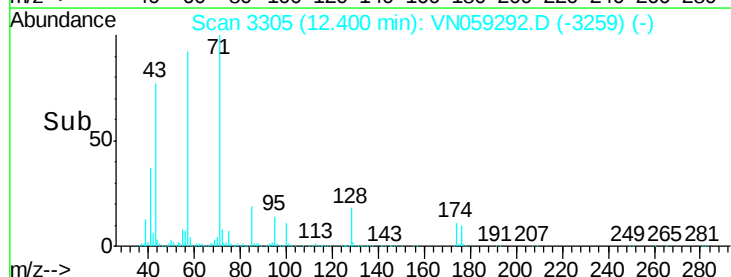
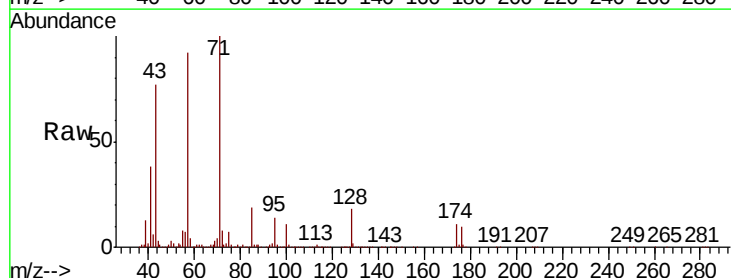
Acq: 18 Nov 2019 18:18

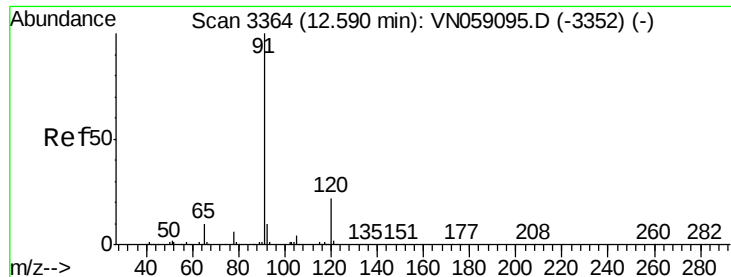
Tgt Ion: 75 Resp: 151923

Ion Ratio Lower Upper

75 100

77 5.0 0.0 0.0#





#78

n-propylbenzene

Concen: 0.784 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

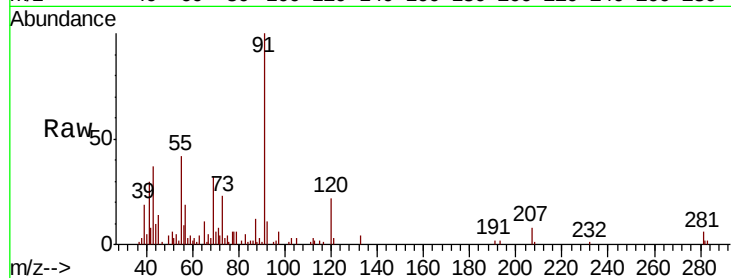
ClientSampled :

Tot Ion: 91 Resp: 20260

Ion Ratio Lower Upper

91 100

120 24.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN059095.D (-3352) (-)

12.59

15000

10000

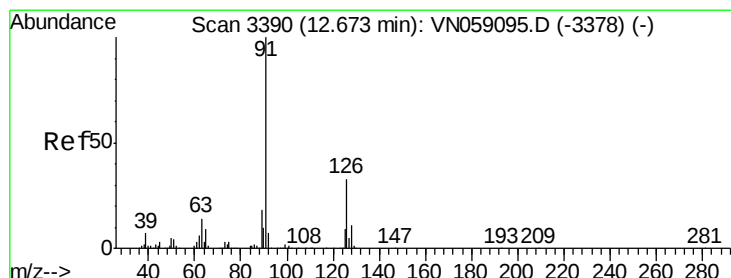
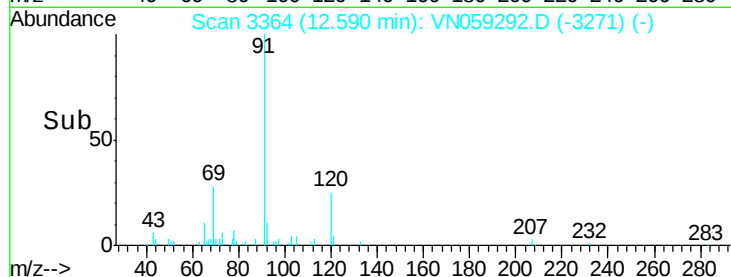
5000

0

Time-->

12.55

12.60



#79

2-Chlorotoluene

Concen: 0.242 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN059292.D

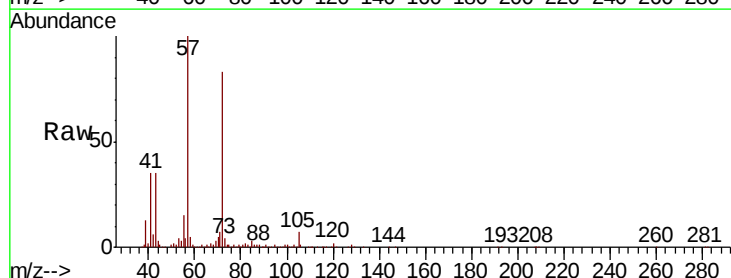
Acq: 18 Nov 2019 18:18

Tgt Ion: 91 Resp: 3877

Ion Ratio Lower Upper

91 100

126 0.0 16.7 50.1#



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059095.D (-3378) (-)

12.69

8000

6000

4000

2000

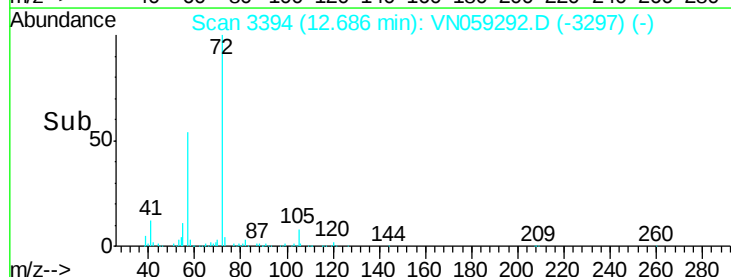
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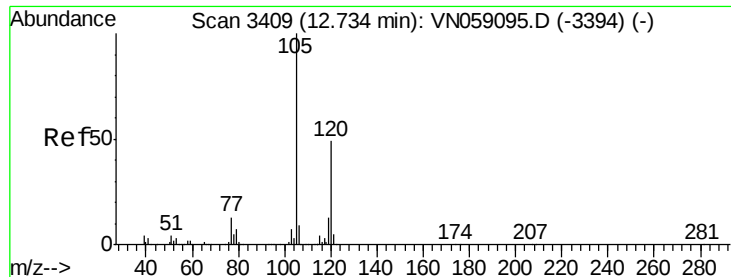
Time-->

12.68

12.70

12.72





#80

1,3,5-Trimethylbenzene

Concen: 3.670 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

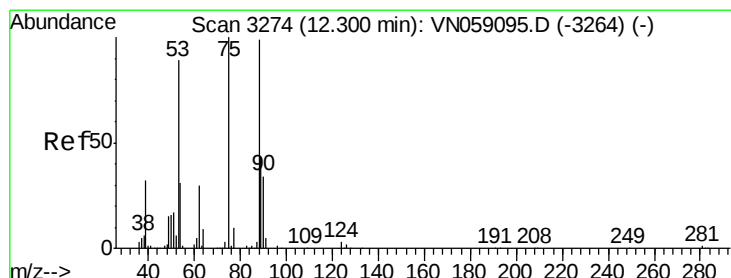
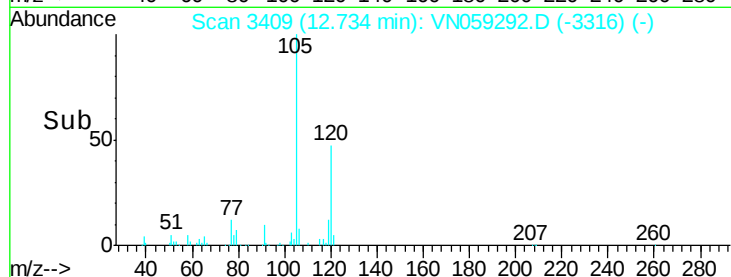
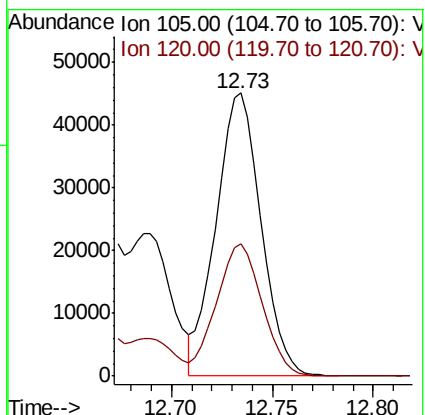
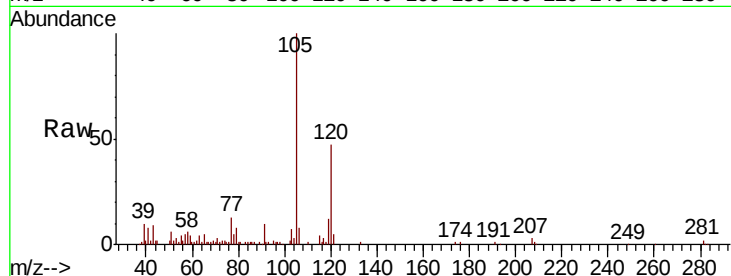
ClientSampled :

Tot Ion:105 Resp: 70179

Ion Ratio Lower Upper

105 100

120 47.6 24.0 72.0



#81

trans-1,4-Dichloro-2-butene

Concen: 1.934 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.01 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

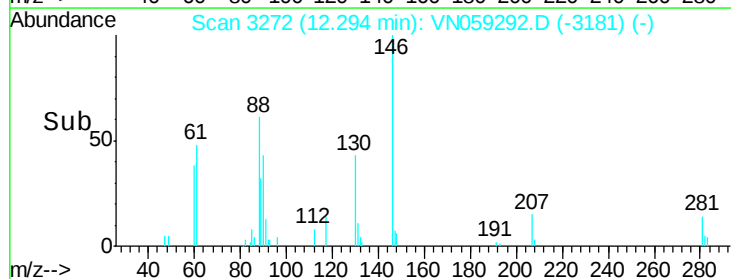
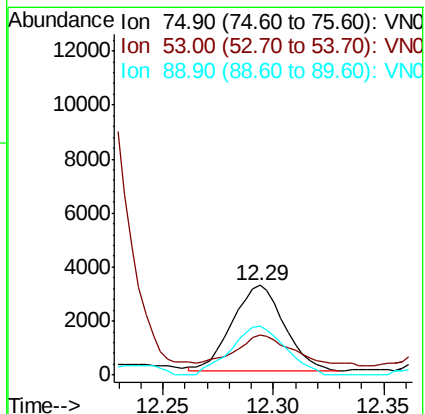
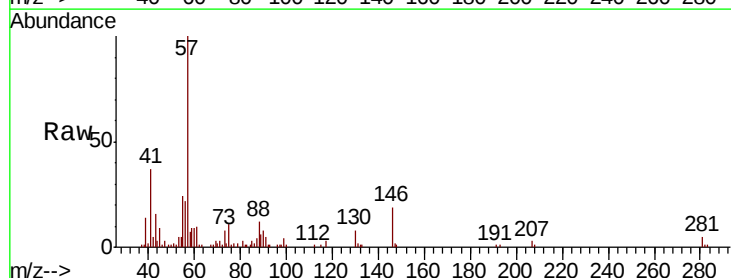
Tgt Ion: 75 Resp: 5173

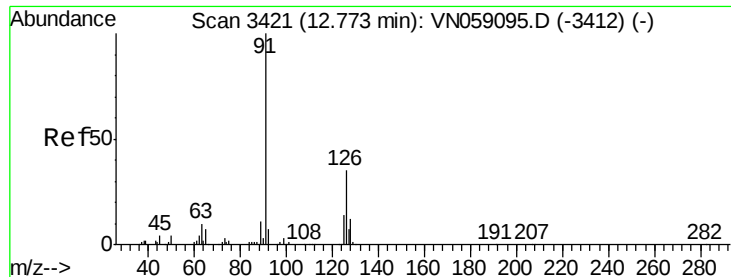
Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

89 0.0 35.8 53.8#





#82

4-Chlorotoluene

Concen: 0.415 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

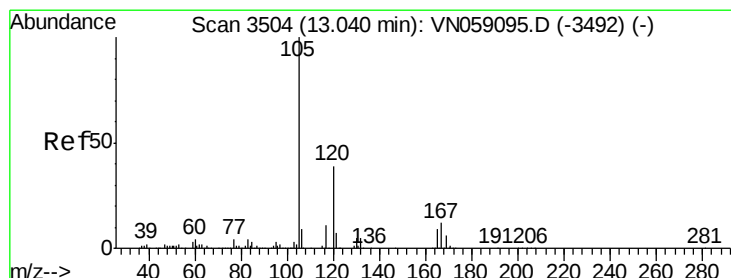
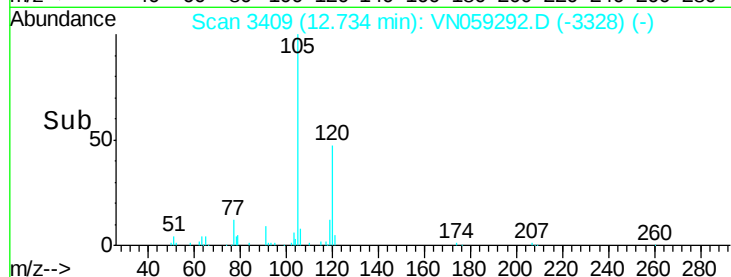
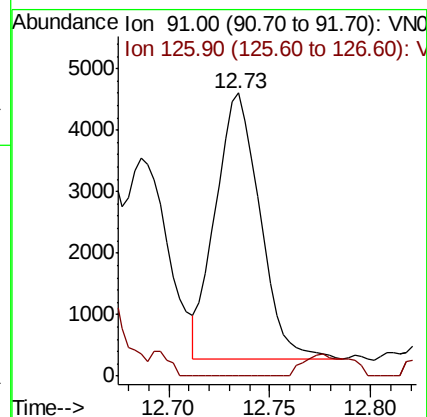
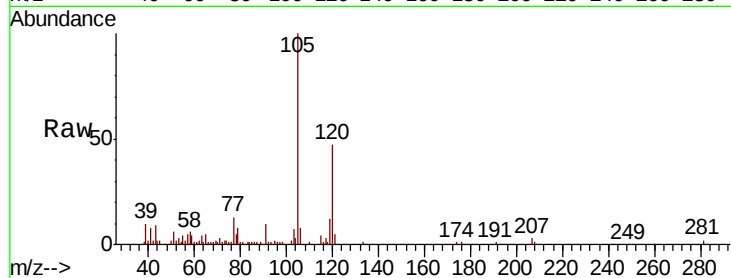
ClientSampleId :

Tot Ion: 91 Resp: 6668

Ion Ratio Lower Upper

91 100

126 0.0 16.1 48.2#



#84

1,2,4-Trimethylbenzene

Concen: 14.826 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059292.D

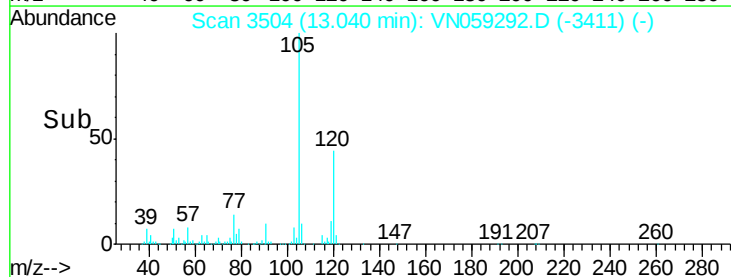
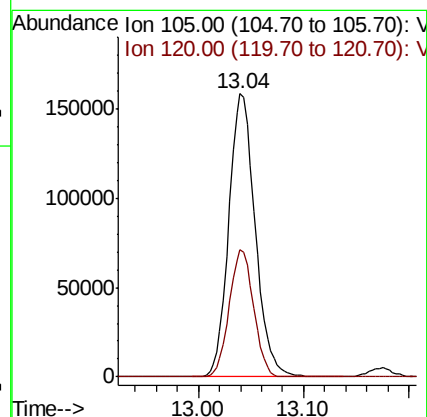
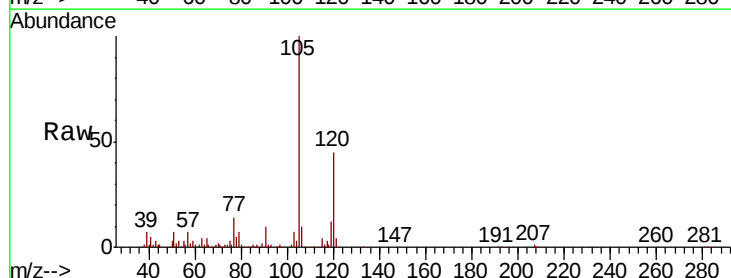
Acq: 18 Nov 2019 18:18

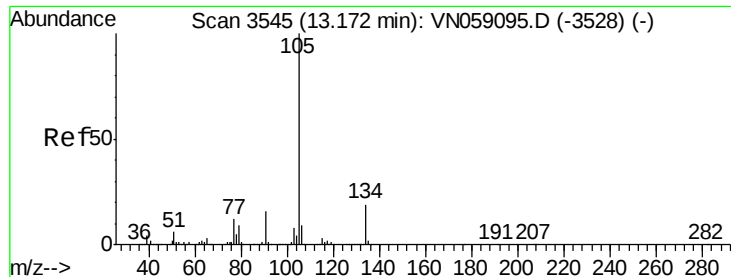
Tgt Ion: 105 Resp: 274320

Ion Ratio Lower Upper

105 100

120 41.3 22.8 68.4





#85

sec-Butylbenzene

Concen: 0.408 ug/l

RT: 13.25 min Scan# 3570

Delta R.T. 0.08 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

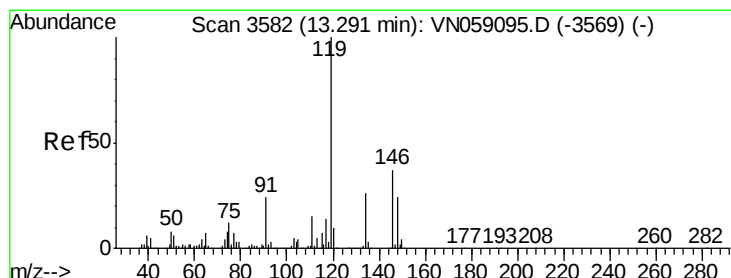
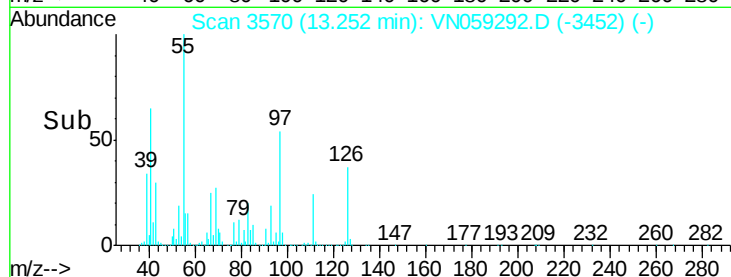
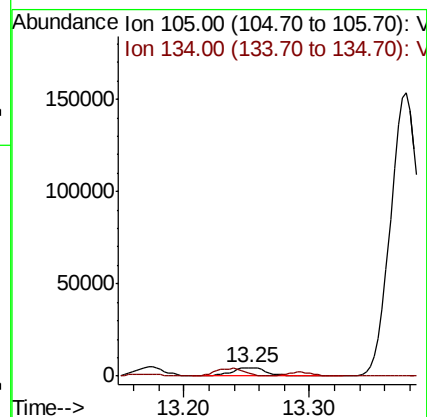
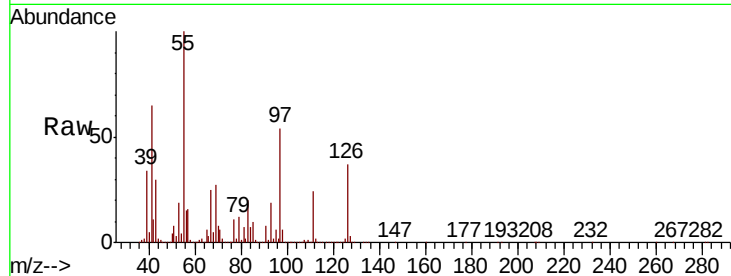
ClientSampled :

Tot Ion:105 Resp: 8760

Ion Ratio Lower Upper

105 100

134 77.6 9.7 29.1#



#86

p-Isopropyltoluene

Concen: 0.691 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

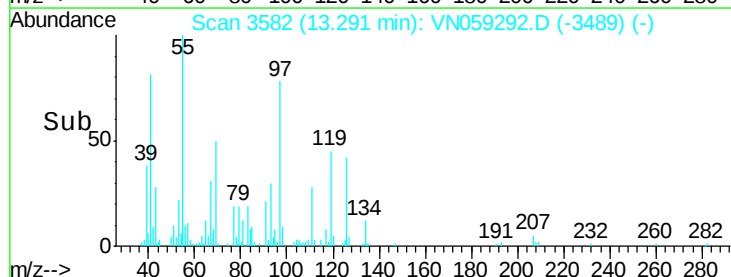
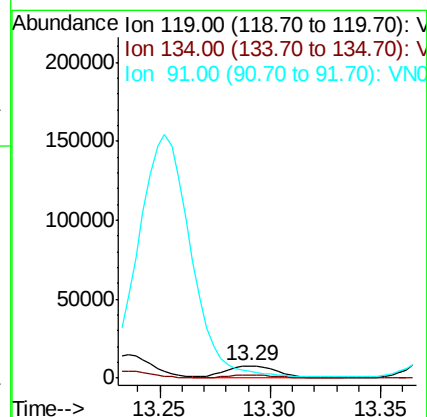
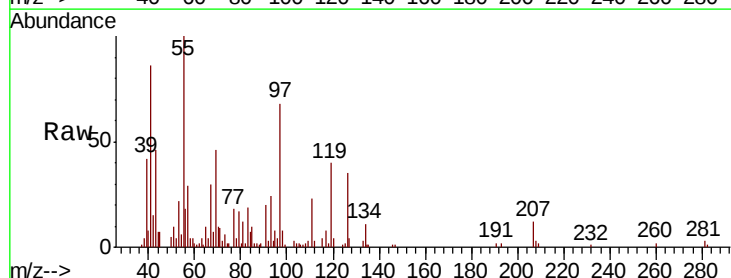
Tgt Ion:119 Resp: 13114

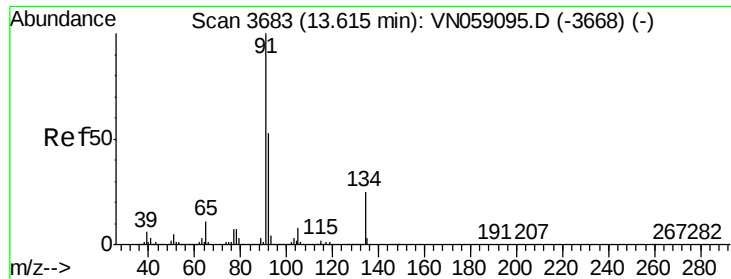
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 0.0 11.7 35.1#

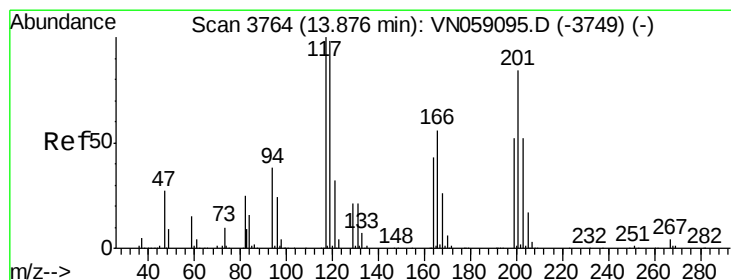
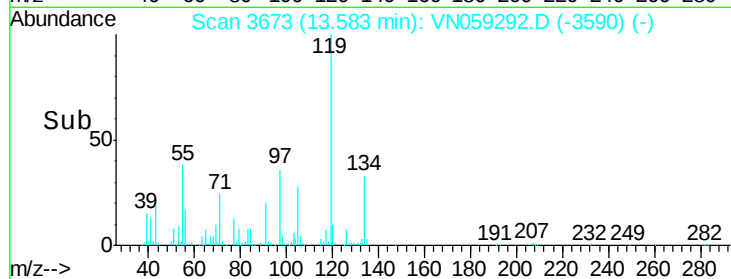
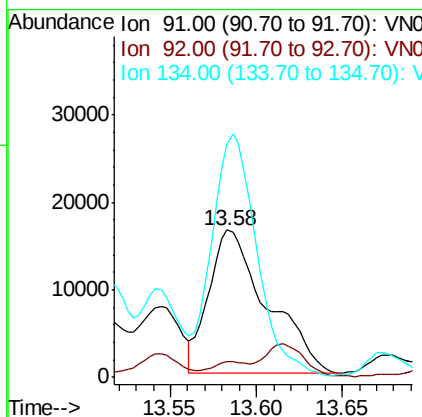
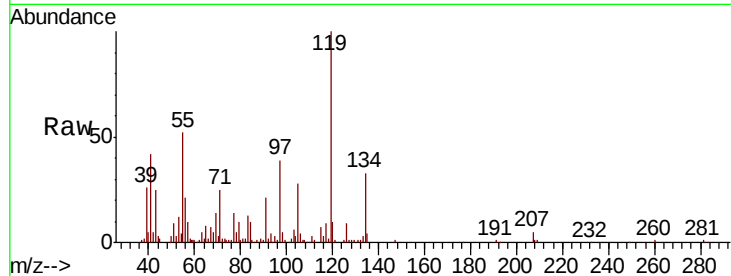




#89
n-Butylbenzene
Concen: 2.313 ug/l
RT: 13.58 min Scan# 3673
Delta R.T. -0.03 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

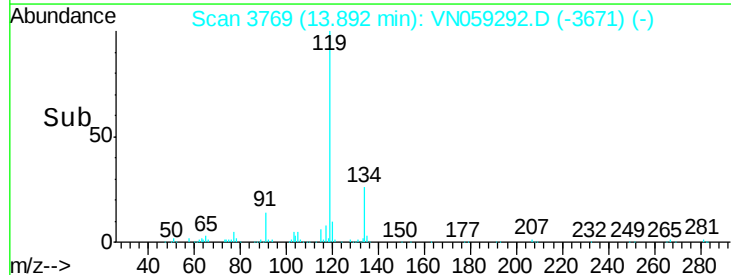
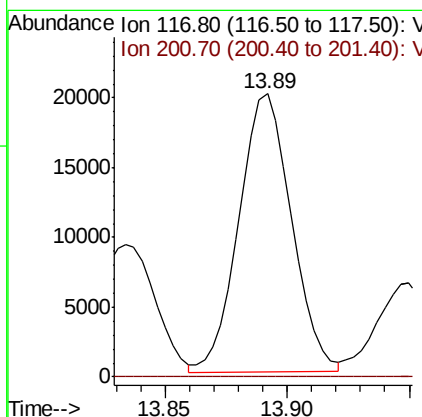
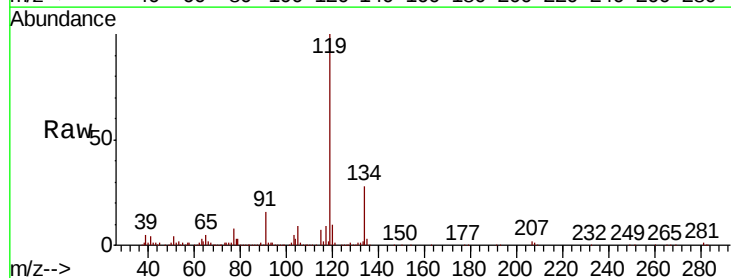
Instrument :
MSVOA_N
ClientSampleId :

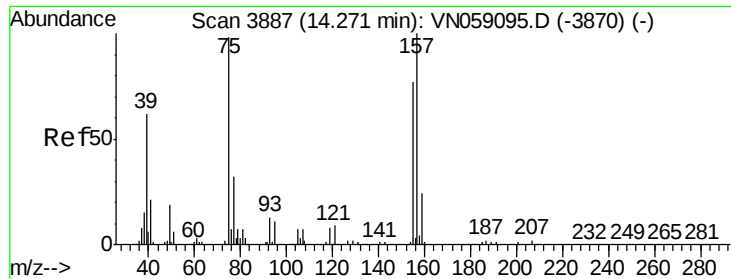
Tot Ion: 91 Resp: 38395
Ion Ratio Lower Upper
91 100
92 4.2 26.1 78.3#
134 130.3 12.6 37.8#



#90
Hexachloroethane
Concen: 7.815 ug/l
RT: 13.89 min Scan# 3769
Delta R.T. 0.02 min
Lab File: VN059292.D
Acq: 18 Nov 2019 18:18

Tgt Ion: 117 Resp: 29763
Ion Ratio Lower Upper
117 100
201 0.0 41.8 125.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.709 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

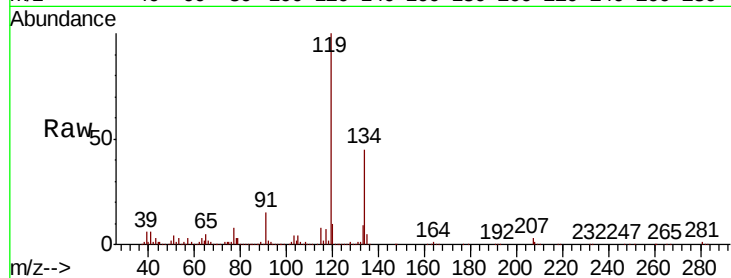
Tot Ion: 75 Resp: 2582

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

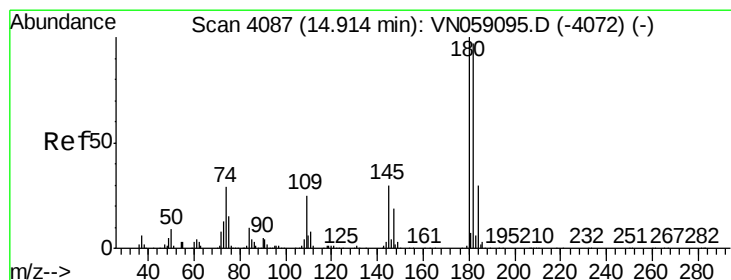
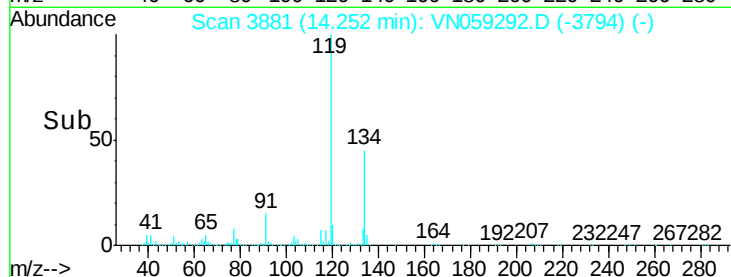
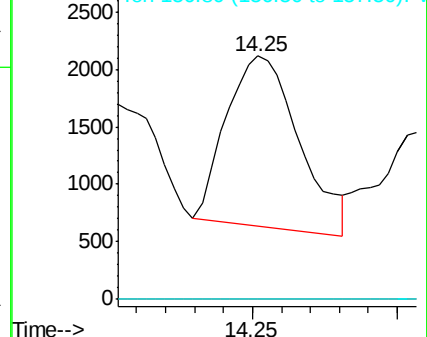
157 0.0 51.8 155.5#



Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3870) (-)

Ion 154.80 (154.50 to 155.50): VN059095.D (-3870) (-)

Ion 156.80 (156.50 to 157.50): VN059095.D (-3870) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.075 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059292.D

Acq: 18 Nov 2019 18:18

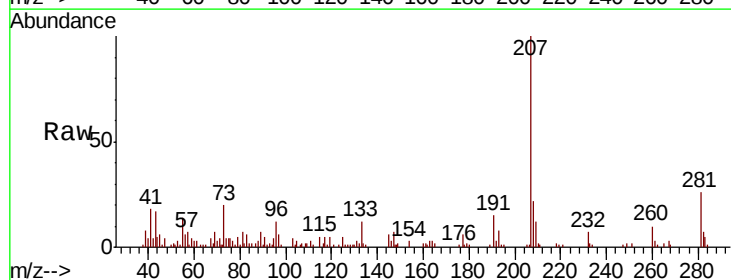
Tgt Ion: 180 Resp: 175

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.3#

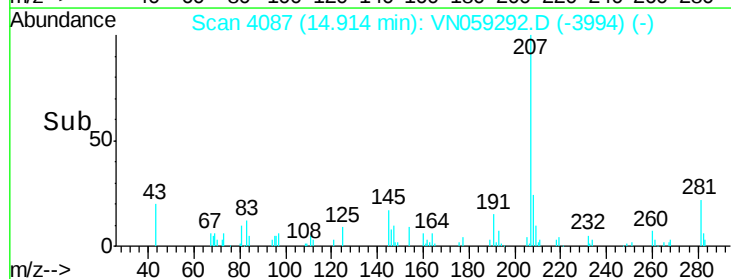
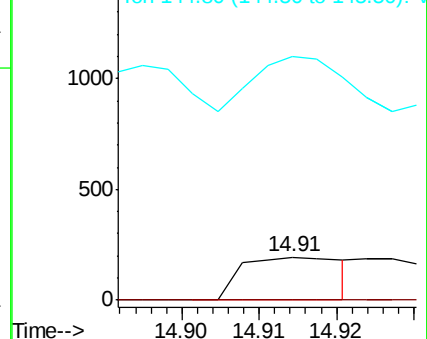
145 704.6 15.1 45.3#

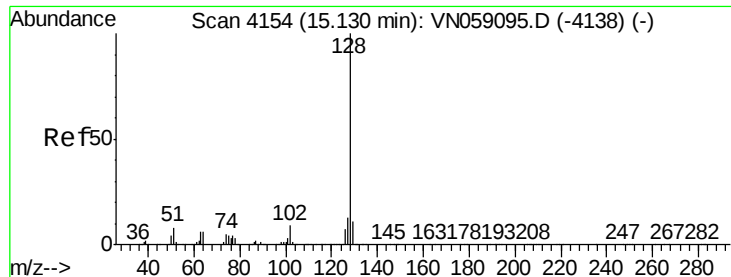


Abundance Ion 179.80 (179.50 to 180.50): VN059095.D (-4072) (-)

Ion 181.80 (181.50 to 182.50): VN059095.D (-4072) (-)

Ion 144.80 (144.50 to 145.50): VN059095.D (-4072) (-)

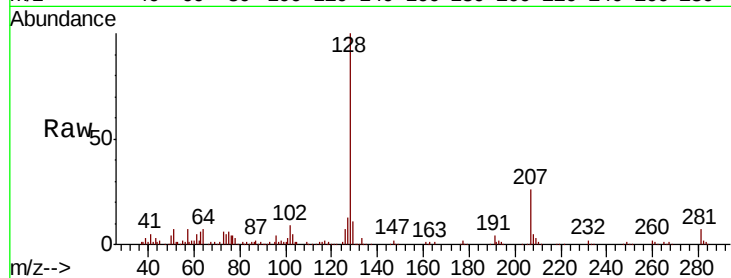




#95
 Naphthalene
 Concen: 11.880 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN059292.D
 Acq: 18 Nov 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.1	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

