

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059313.D
 Acq On : 19 Nov 2019 18:20
 Operator : JC/SP
 Sample : K5900-18DL 25X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 00:51:44 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	7.65	168	441441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	693059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	604253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	250715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	261496	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
35) Dibromofluoromethane	7.57	113	207756	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	10.08	98	839528	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.40	95	283391	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.39	74	1362	0.478	ug/l #	1
11) Tert butyl alcohol	4.75	59	184137	178.054	ug/l #	91
13) Acrolein	3.67	56	411	0.771	ug/l #	1
14) Allyl chloride	4.02	41	19236	2.274	ug/l #	75
16) Acetone	3.79	43	529020	187.472	ug/l	99
18) Methyl Acetate	4.30	43	77552	11.578	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	64111	4.522	ug/l #	86
22) Diisopropyl ether	5.93	45	754804	47.242	ug/l #	1
23) Vinyl Acetate	5.92	43	48664	3.930	ug/l #	78
24) 1,1-Dichloroethane	5.93	63	5617	0.629	ug/l #	85
25) 2-Butanone	6.81	43	217440	58.467	ug/l	99
29) Tetrahydrofuran	7.19	42	13809	5.844	ug/l	98
30) Chloroform	7.35	83	4303	0.503	ug/l	85
31) Cyclohexane	7.64	56	15684	1.857	ug/l #	20
36) 1,1-Dichloropropene	7.64	75	32885	5.076	ug/l #	50
37) Ethyl Acetate	6.81	43	217440	30.172	ug/l #	69
38) Carbon Tetrachloride	7.64	117	41176	6.386	ug/l #	17
39) Methylcyclohexane	9.07	83	7638	1.016	ug/l	98
40) Benzene	8.02	78	1098524	56.312	ug/l	99
41) Methacrylonitrile	7.19	41	8246	2.631	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	10460	1.563	ug/l #	75
43) Isopropyl Acetate	7.99	43	615886	53.605	ug/l #	55
48) Methyl methacrylate	9.15	41	35362	6.881	ug/l #	40
49) 1,4-Dioxane	9.18	88	4842	53.017	ug/l #	21
51) 4-Methyl-2-Pentanone	9.97	43	18285	2.813	ug/l	98
52) Toluene	10.15	92	720877	61.654	ug/l	98
56) Ethyl methacrylate	10.42	69	95	1.885	ug/l #	25
59) 2-Hexanone	10.75	43	5008	1.004	ug/l	80
67) Ethyl Benzene	11.51	91	124605	5.962	ug/l	96
68) m/p-Xylenes	11.62	106	258194	32.981	ug/l	99
69) o-Xylene	11.95	106	113230	14.967	ug/l	99
70) Styrene	11.95	104	6597	0.554	ug/l #	1
71) Bromoform	12.40	173	1444	0.420	ug/l #	1
73) Isopropylbenzene	12.25	105	4969	0.272	ug/l	99

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

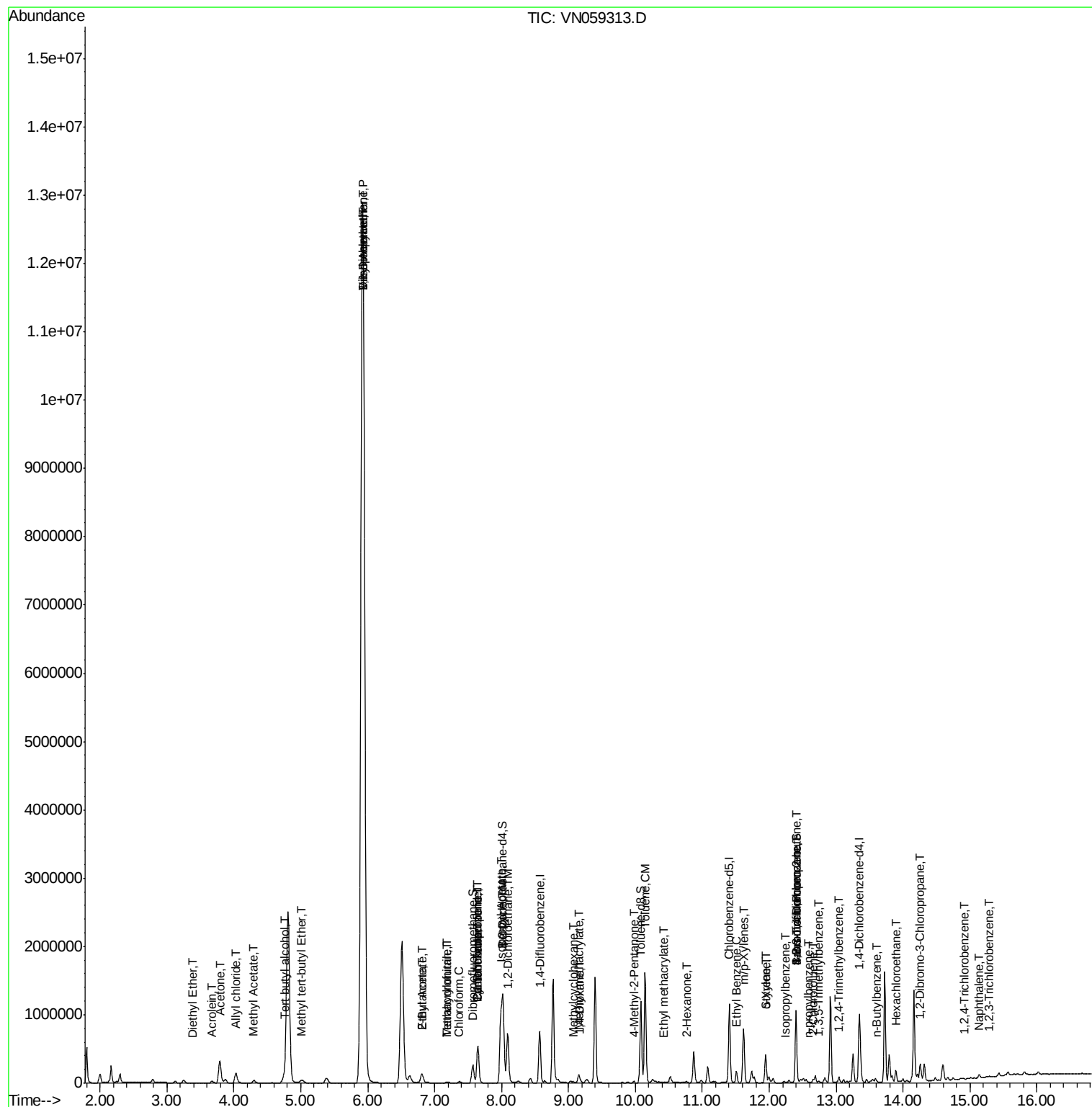
76) 1,2,3-Trichloropropane	12.40	75	138691	24.298	ug/l #	100
78) n-propylbenzene	12.59	91	5380	0.258	ug/l	95
79) 2-Chlorotoluene	12.66	91	4749	0.367	ug/l	88
80) 1,3,5-Trimethylbenzene	12.74	105	14861	0.962	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	138691	64.178	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	46042	3.080	ug/l	99
89) n-Butylbenzene	13.62	91	3174	0.237	ug/l #	81
90) Hexachloroethane	13.90	117	8820	2.866	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.25	75	986	0.822	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	1679	3.383	ug/l	85
95) Naphthalene	15.13	128	29495	5.177	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	2090	0.483	ug/l	66

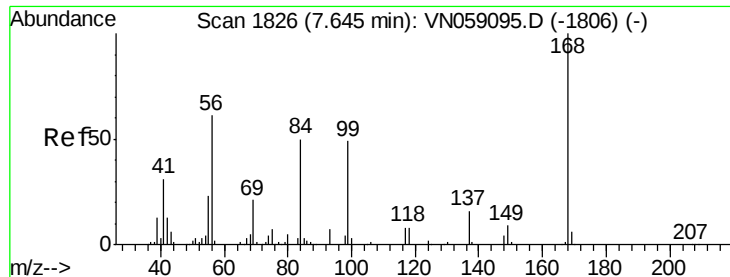
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

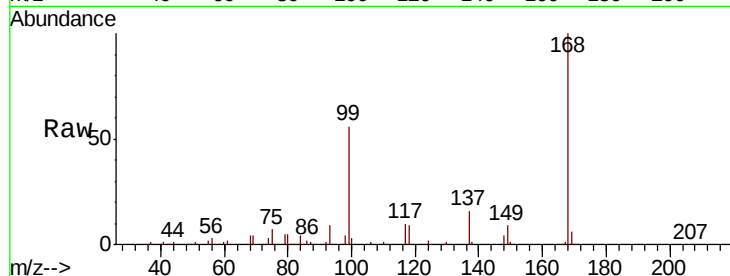
ClientSampled :

Tot Ion:168 Resp: 441441

Ion Ratio Lower Upper

168 100

99 55.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

100000

50000

0

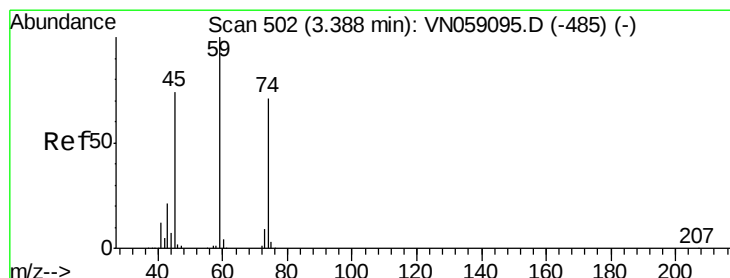
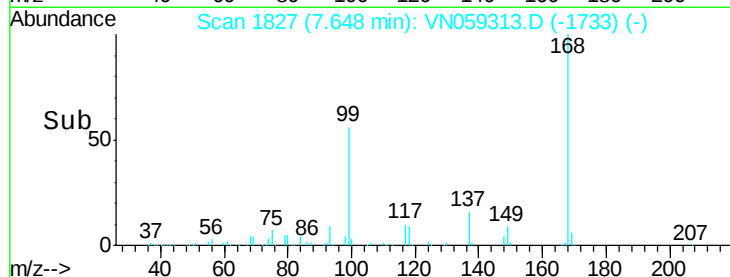
Time-->

7.50

7.60

7.70

7.80



#8

Diethyl Ether

Concen: 0.478 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN059313.D

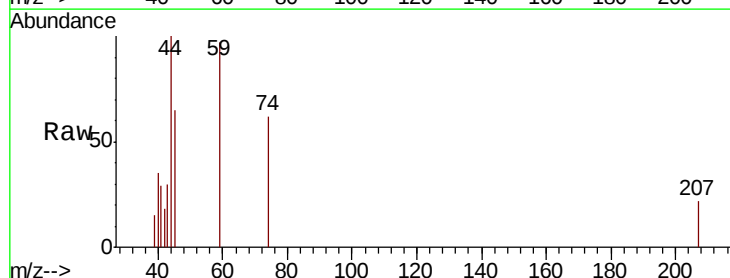
Acq: 19 Nov 2019 18:20

Tgt Ion: 74 Resp: 1362

Ion Ratio Lower Upper

74 100

45 0.0 51.6 154.9#



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.39

800

600

400

200

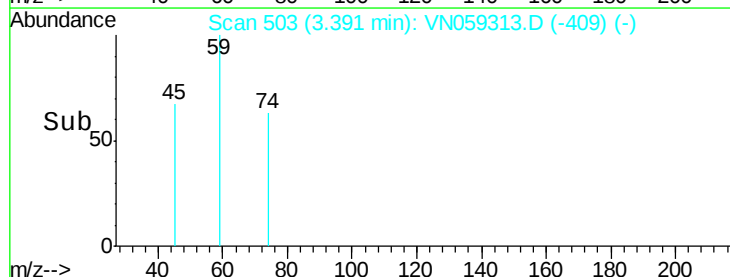
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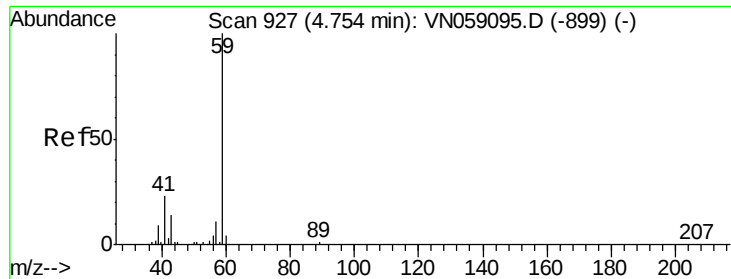
Time-->

3.35

3.40

3.45



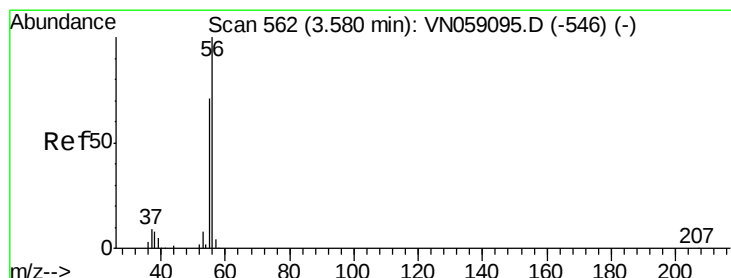
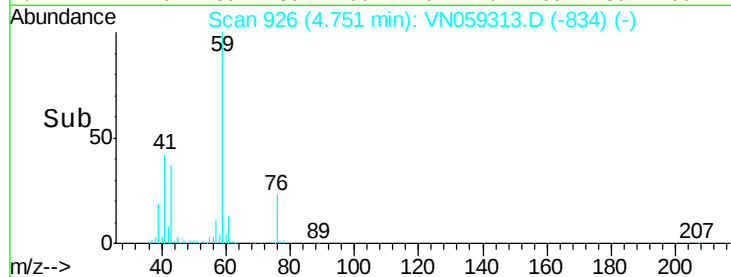
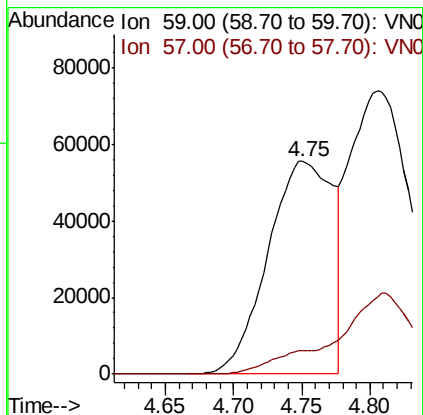
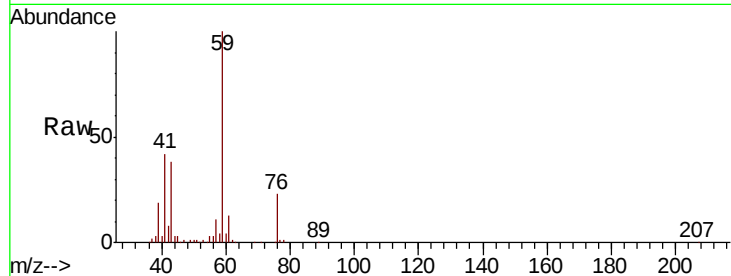


#11

Tert butyl alcohol
 Concen: 178.054 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059313.D
 Acq: 19 Nov 2019 18:20

Instrument :
 MSVOA_N
 ClientSampled :

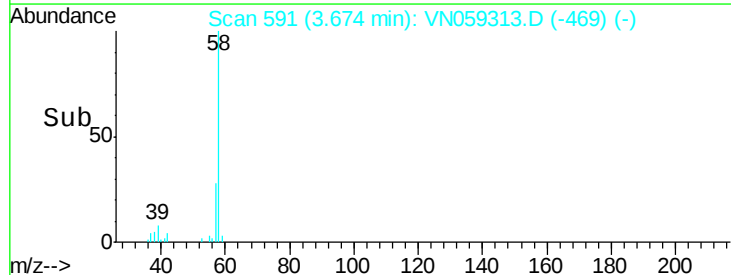
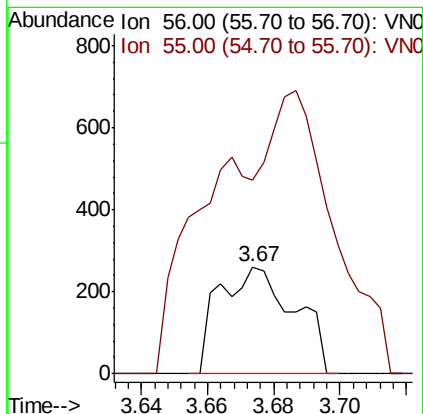
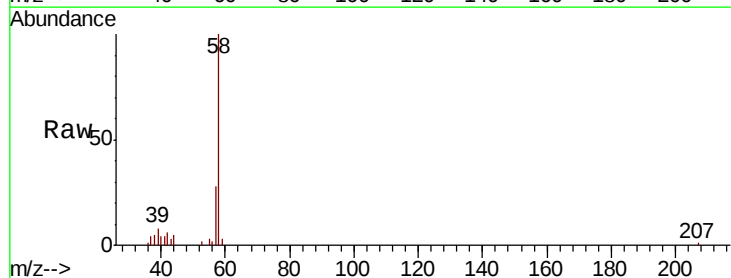
Tot Ion: 59 Resp: 184137
 Ion Ratio Lower Upper
 59 100
 57 7.1 8.3 12.5#

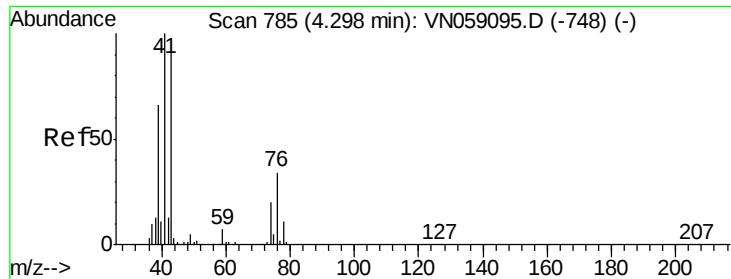


#13

Acrolein
 Concen: 0.771 ug/l
 RT: 3.67 min Scan# 591
 Delta R.T. 0.09 min
 Lab File: VN059313.D
 Acq: 19 Nov 2019 18:20

Tgt Ion: 56 Resp: 411
 Ion Ratio Lower Upper
 56 100
 55 175.9 56.4 84.6#

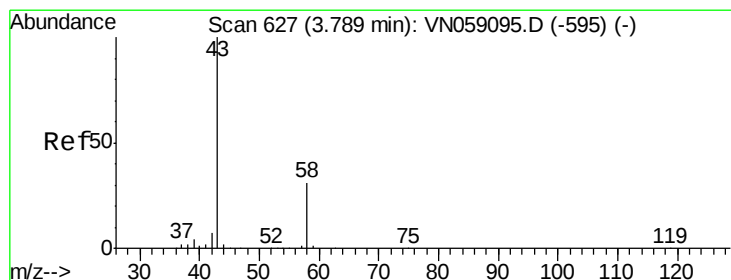
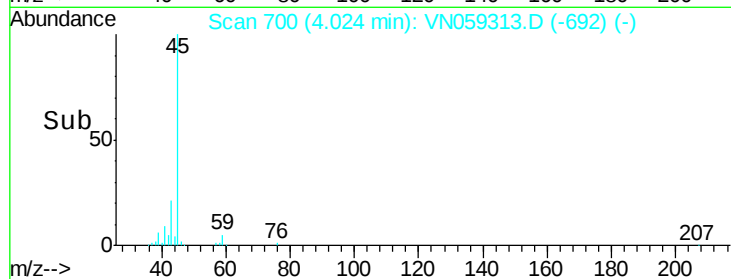
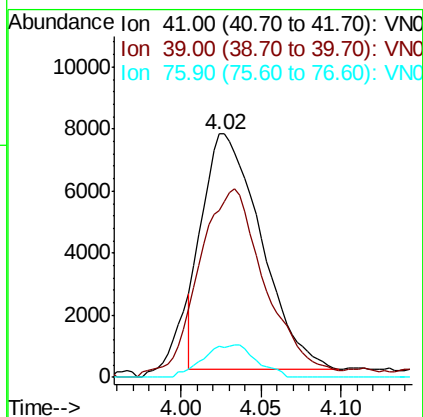
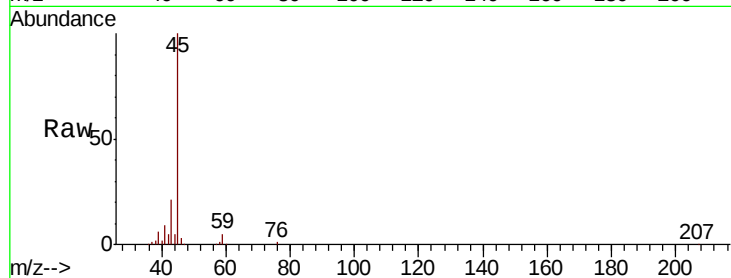




#14
Allvl chloride
Concen: 2.274 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.27 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

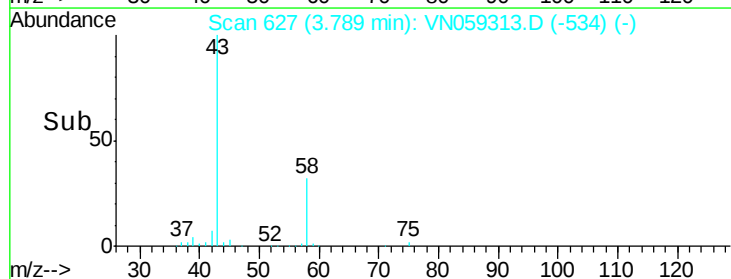
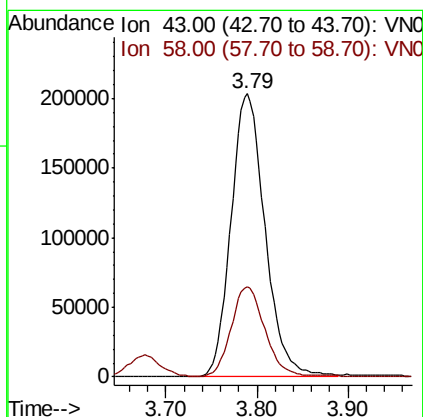
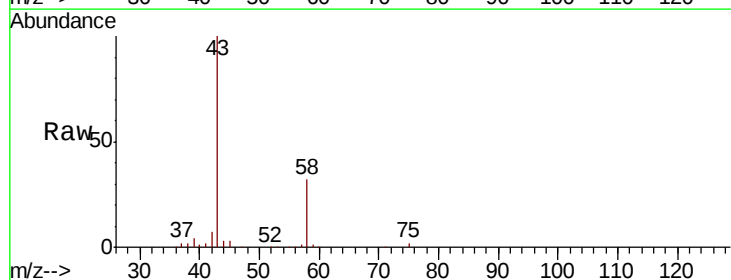
Instrument :
MSVOA_N
ClientSampled :

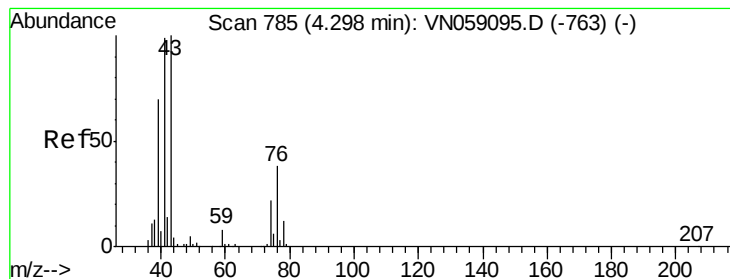
Tot Ion	Ratio	Lower	Upper
41	100		
39	77.2	49.1	73.7#
76	11.9	24.9	37.3#



#16
Acetone
Concen: 187.472 ug/l
RT: 3.79 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.9	37.3





#18

Methyl Acetate

Concen: 11.578 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

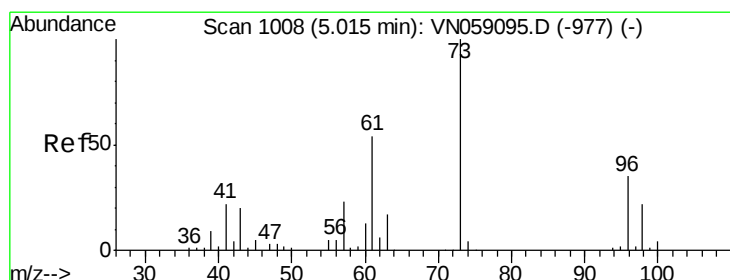
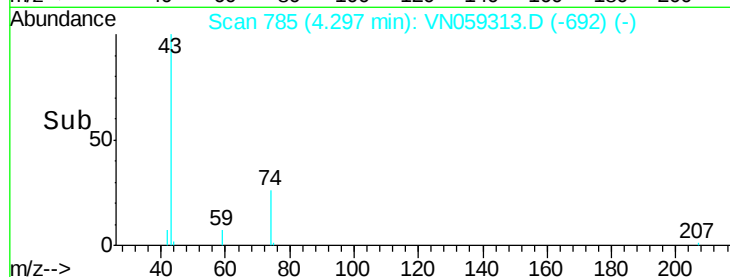
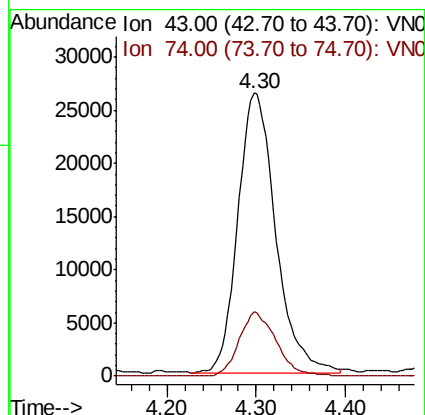
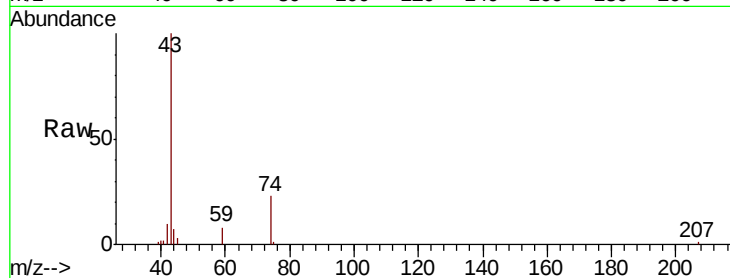
ClientSampled :

Tot Ion: 43 Resp: 77552

Ion Ratio Lower Upper

43 100

74 22.4 17.8 26.8



#19

Methyl tert-butyl Ether

Concen: 4.522 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059313.D

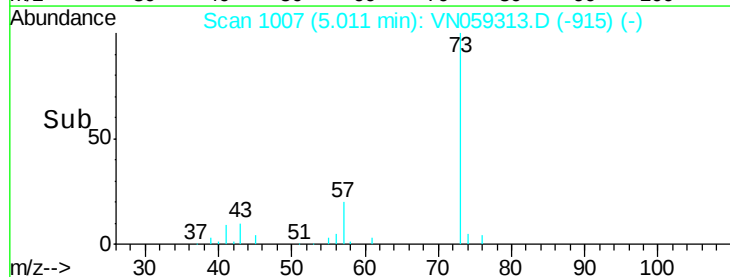
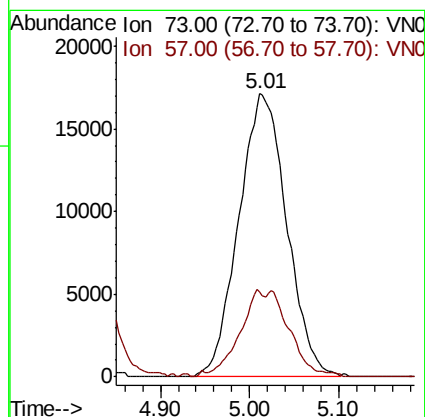
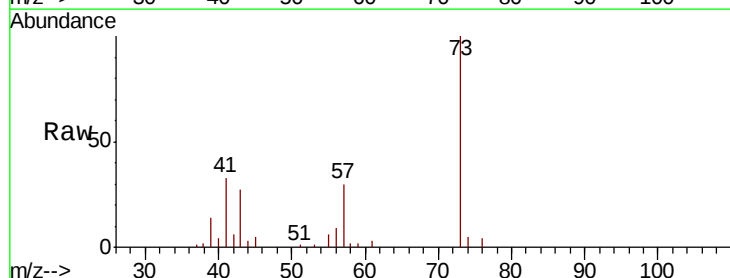
Acq: 19 Nov 2019 18:20

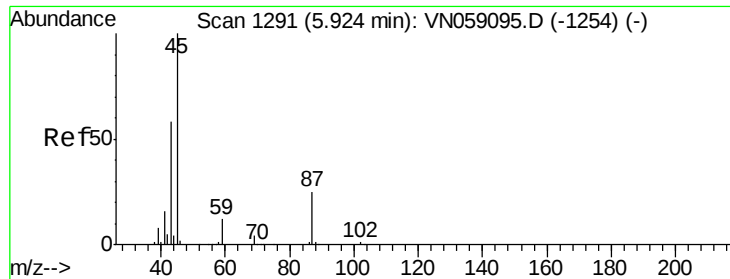
Tgt Ion: 73 Resp: 64111

Ion Ratio Lower Upper

73 100

57 29.9 18.4 27.6#

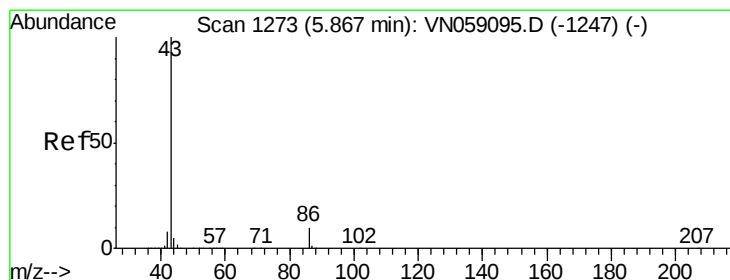
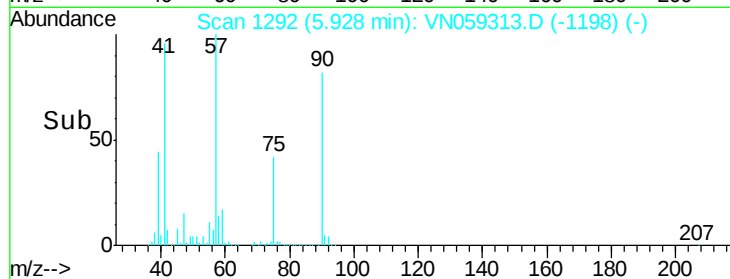
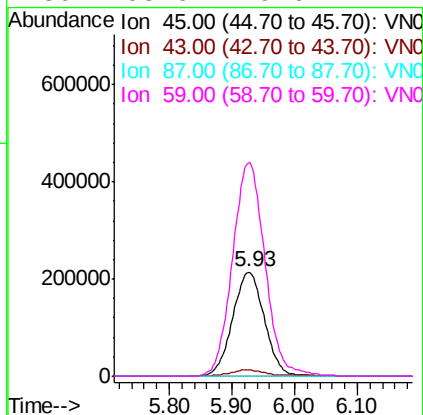
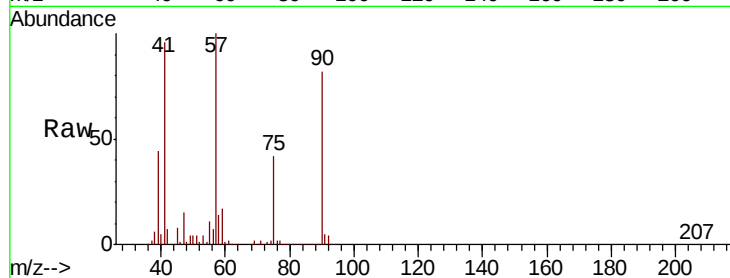




#22
Diisopropyl ether
Concen: 47.242 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

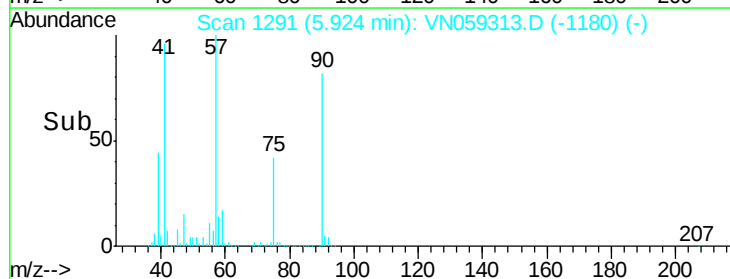
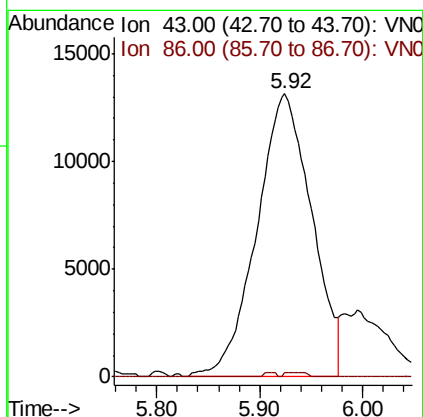
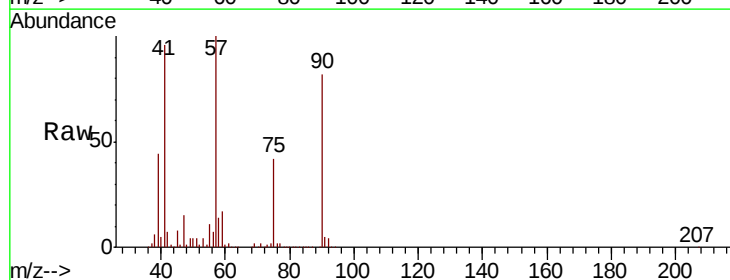
Instrument :
MSVOA_N
ClientSampleId :

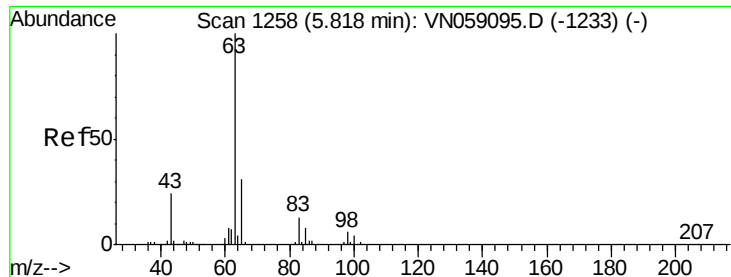
Tot Ion: 45 Resp: 754804
Ion Ratio Lower Upper
45 100
43 6.0 46.7 70.1#
87 0.5 20.5 30.7#
59 205.6 9.6 14.4#



#23
Vinyl Acetate
Concen: 3.930 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.06 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

Tgt Ion: 43 Resp: 48664
Ion Ratio Lower Upper
43 100
86 1.4 7.7 11.5#





#24

1,1-Dichloroethane

Concen: 0.629 ug/l

RT: 5.93 min Scan# 1292

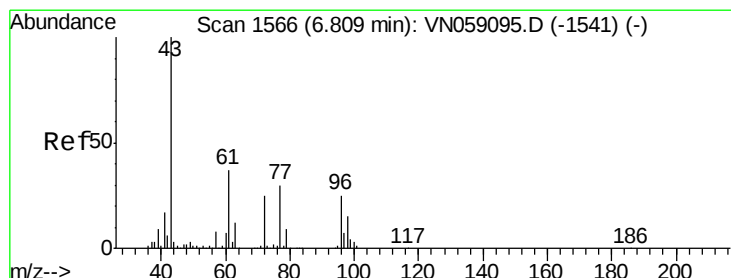
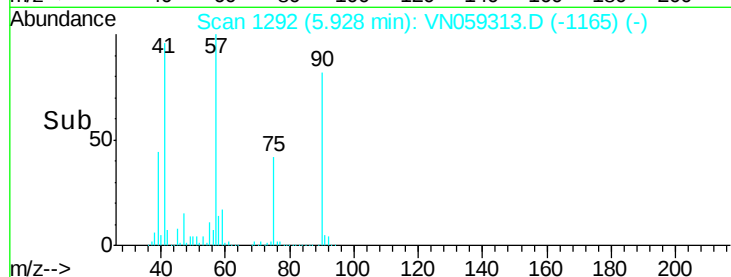
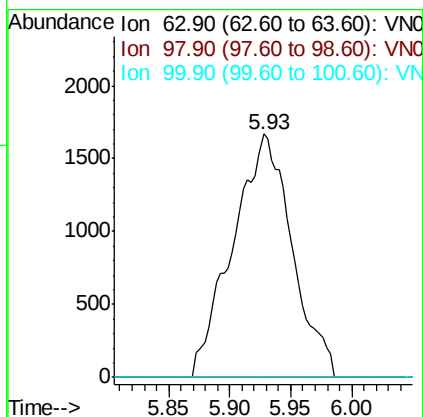
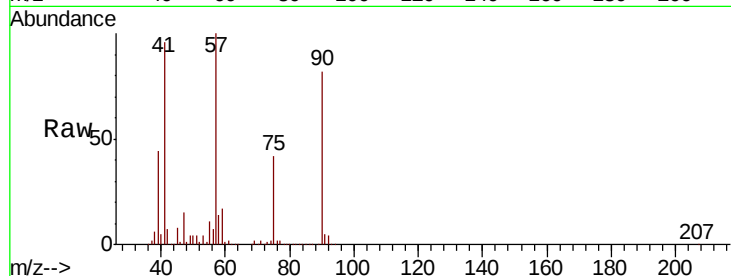
Delta R.T. 0.11 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	63	Resp:	5617
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.8	8.4#
100	0.0	1.9	5.7#



#25

2-Butanone

Concen: 58.467 ug/l

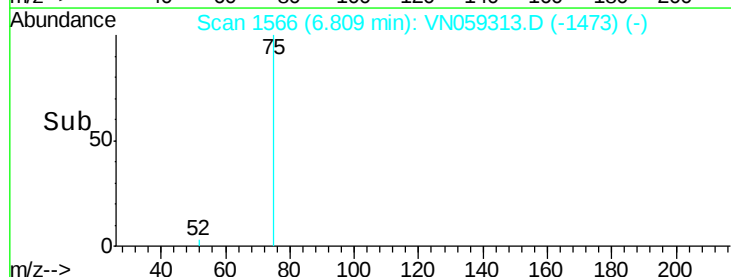
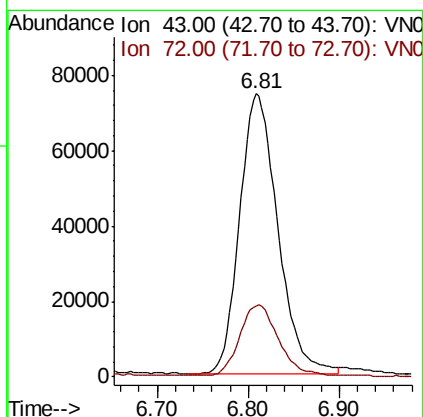
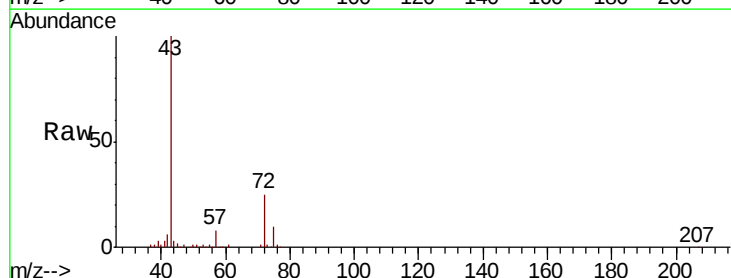
RT: 6.81 min Scan# 1566

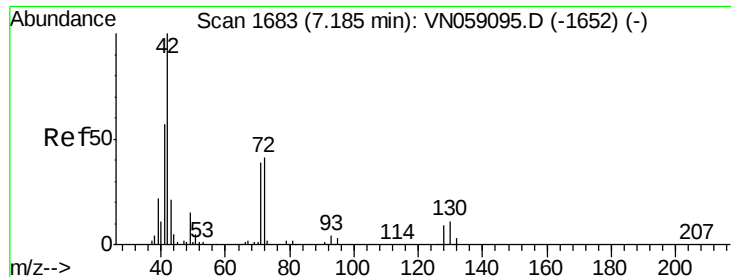
Delta R.T. -0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Tgt Ion:	43	Resp:	217440
Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.3	30.5

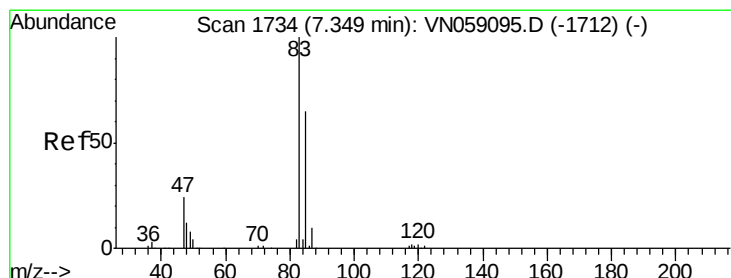
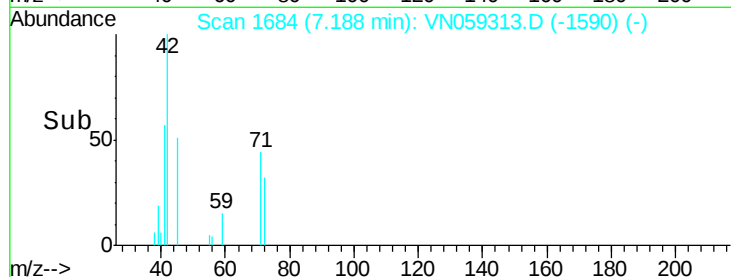
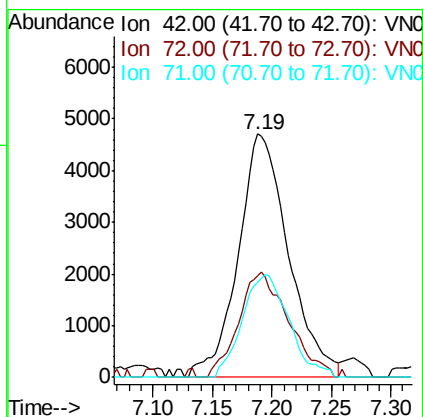
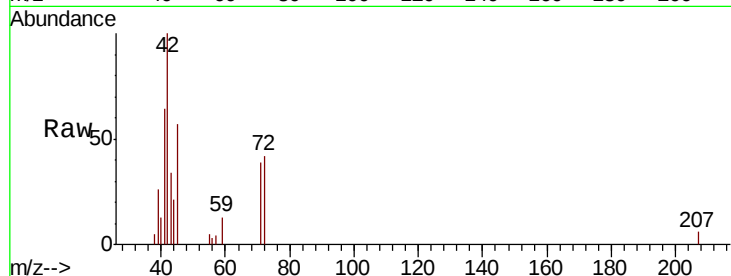




#29
Tetrahydrofuran
Concen: 5.844 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

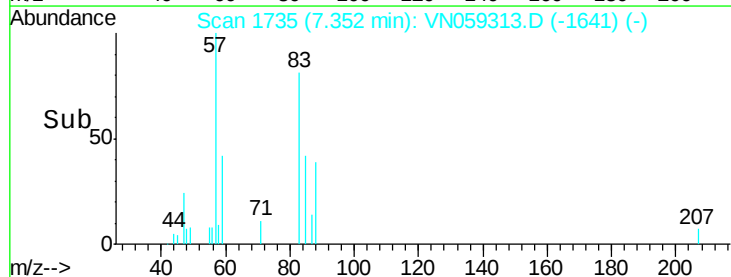
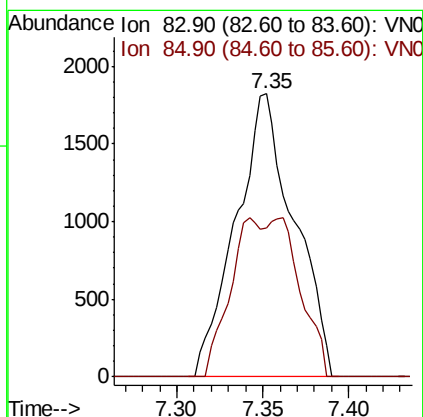
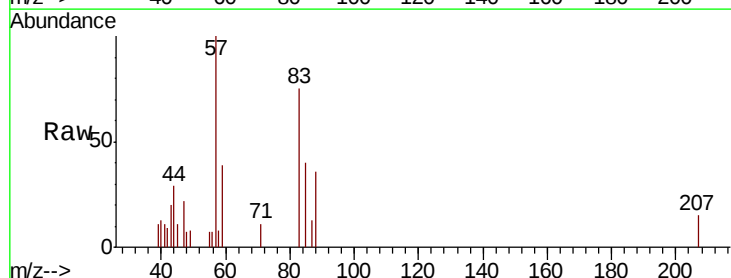
Instrument :
MSVOA_N
ClientSampled :

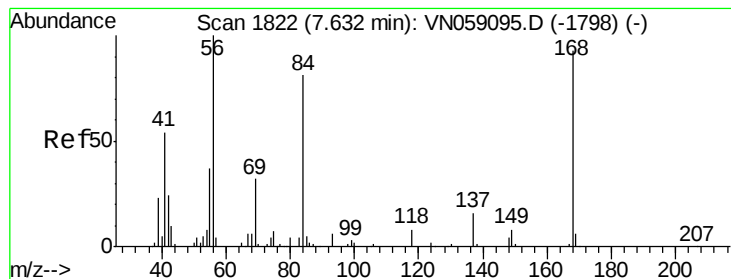
Tot Ion: 42 Resp: 13809
Ion Ratio Lower Upper
42 100
72 42.9 33.1 49.7
71 39.2 30.9 46.3



#30
Chloroform
Concen: 0.503 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

Tgt Ion: 83 Resp: 4303
Ion Ratio Lower Upper
83 100
85 52.6 51.8 77.8





#31

Cyclohexane

Concen: 1.857 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :
MSVOA_N
ClientSampled :

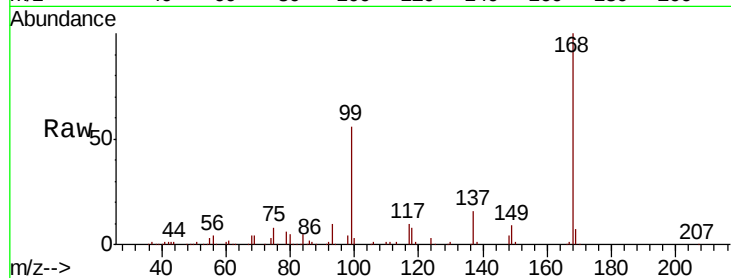
Tot Ion: 56 Resp: 15684

Ion Ratio Lower Upper

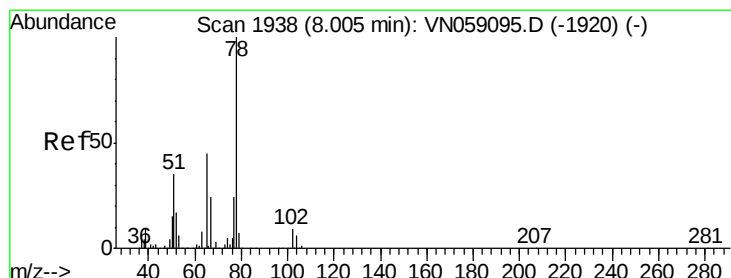
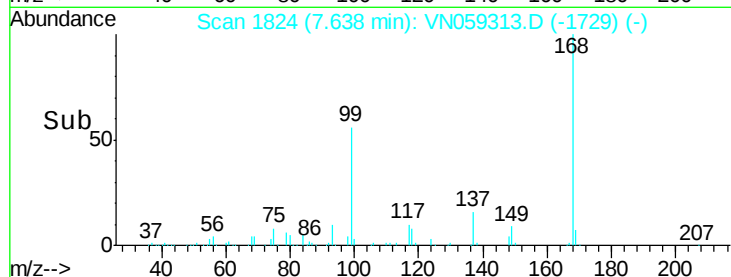
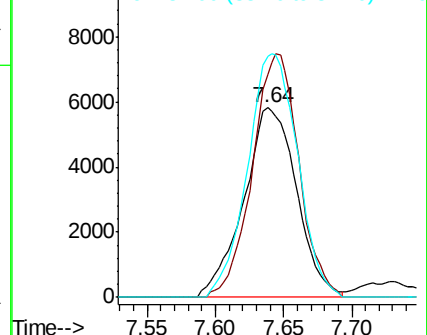
56 100

69 117.5 25.8 38.8#

84 127.3 65.0 97.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.189 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059313.D

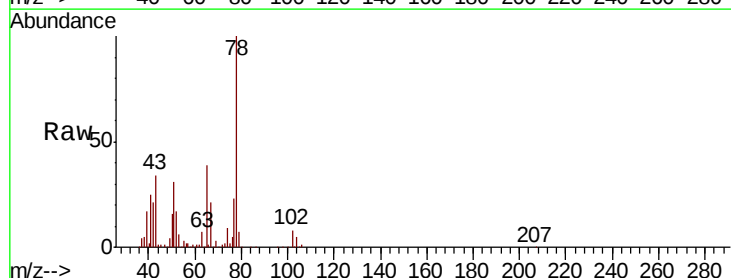
Acq: 19 Nov 2019 18:20

Tgt Ion: 65 Resp: 261496

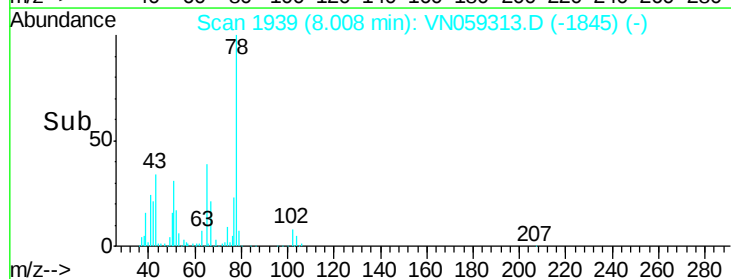
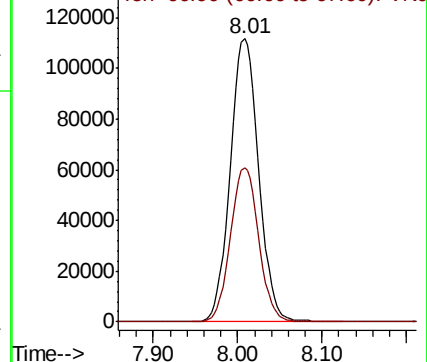
Ion Ratio Lower Upper

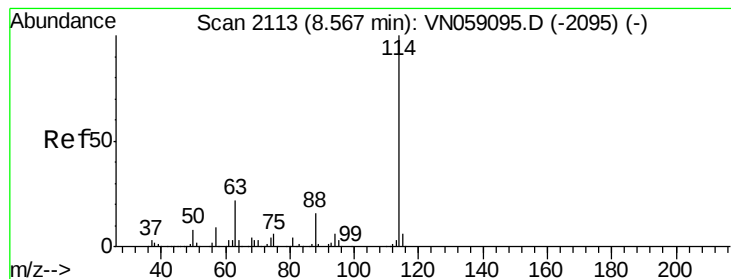
65 100

67 54.2 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

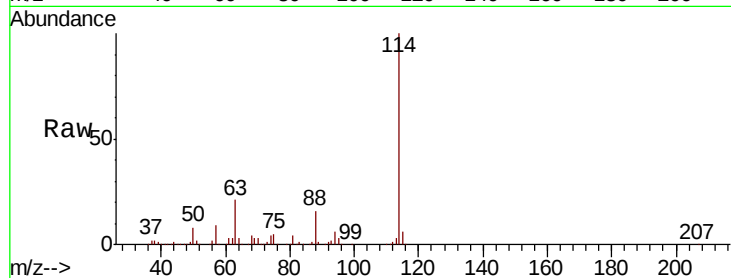
Tot Ion:114 Resp: 693059

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.4

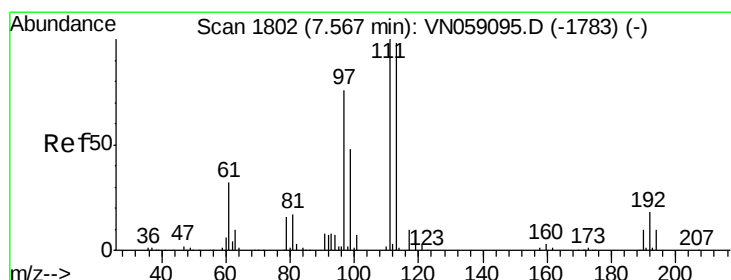
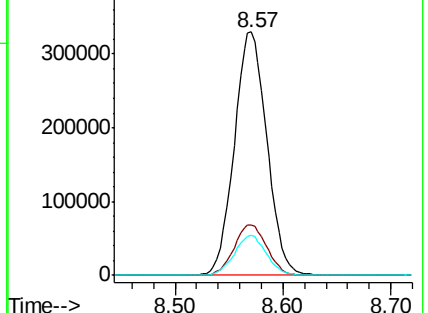
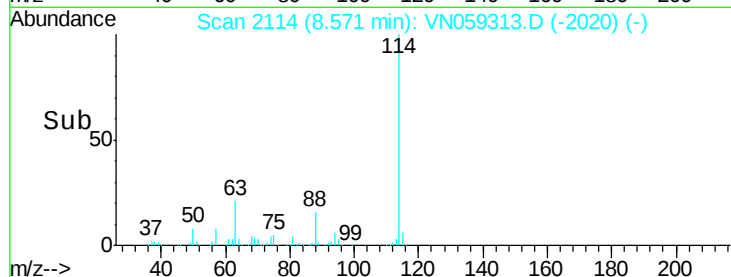
88 16.4 0.0 32.2



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: 50.204 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

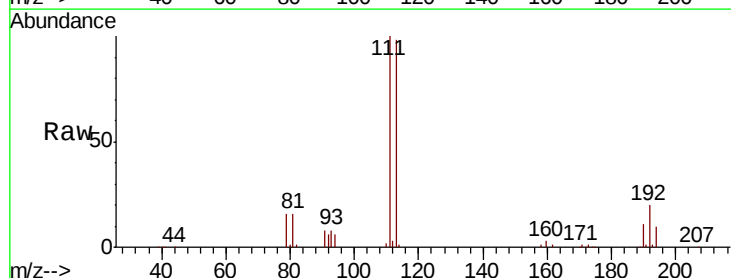
Tgt Ion:113 Resp: 207756

Ion Ratio Lower Upper

113 100

111 104.0 82.8 124.2

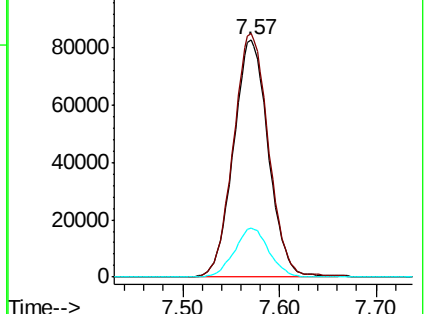
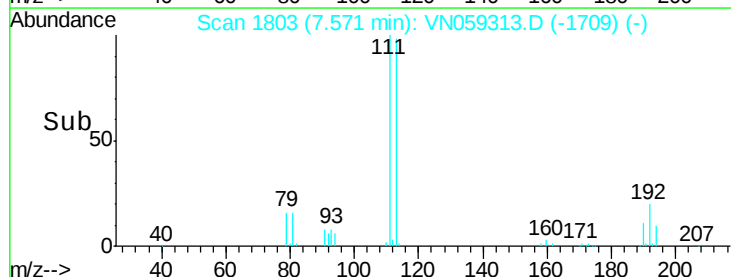
192 20.4 16.1 24.1

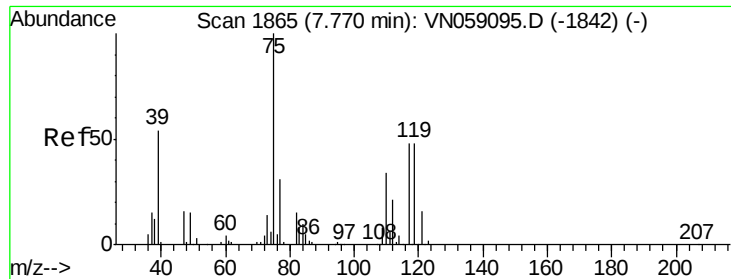


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

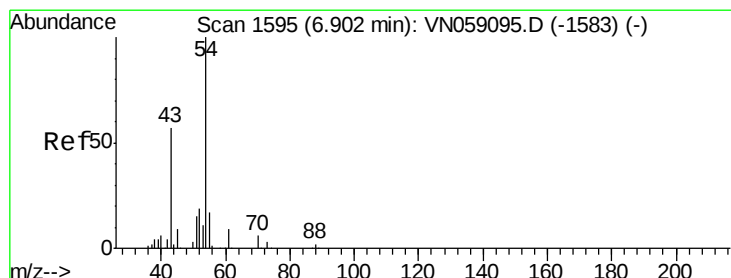
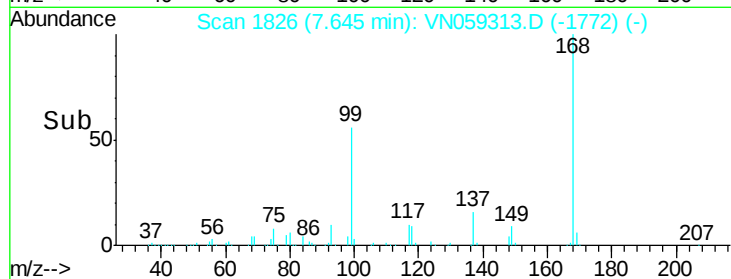
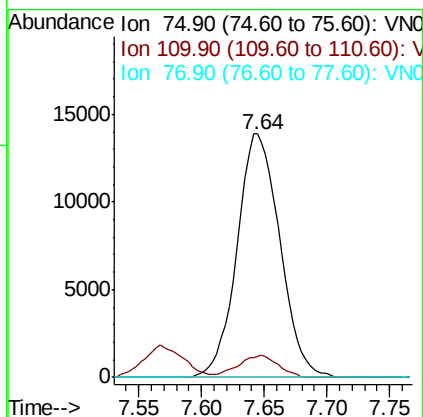
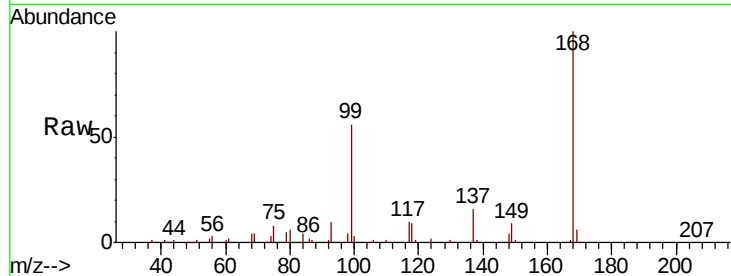




#36
 1,1-Dichloropropene
 Concen: 5.076 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059313.D
 Acq: 19 Nov 2019 18:20

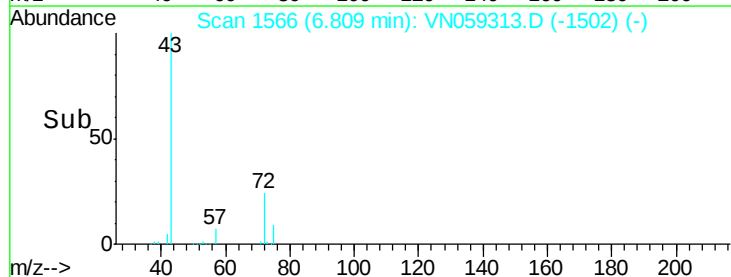
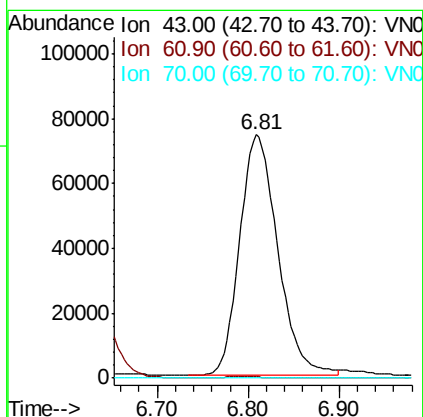
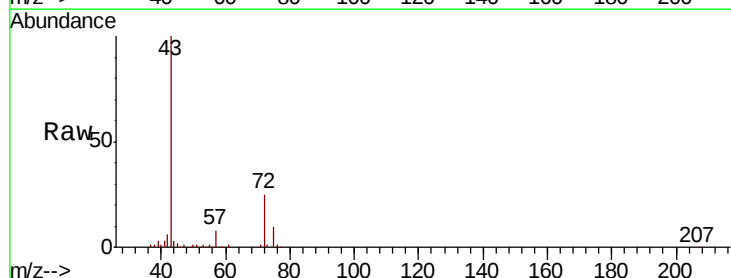
Instrument :
 MSVOA_N
 ClientSampleId :

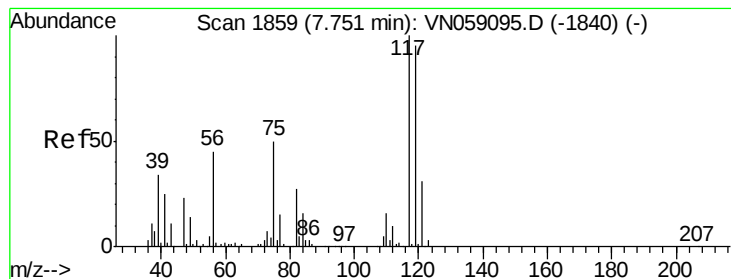
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.1	51.2#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 30.172 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN059313.D
 Acq: 19 Nov 2019 18:20

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: 6.386 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampled :

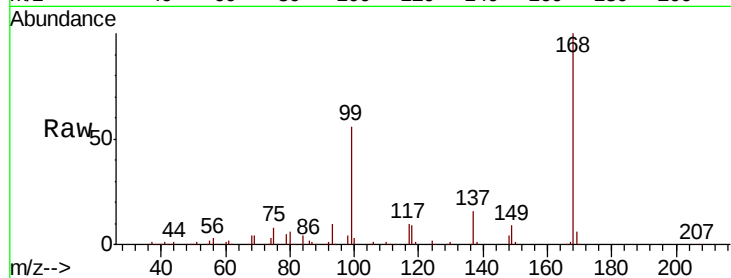
Tot Ion:117 Resp: 41176

Ion Ratio Lower Upper

117 100

119 5.1 75.6 113.4#

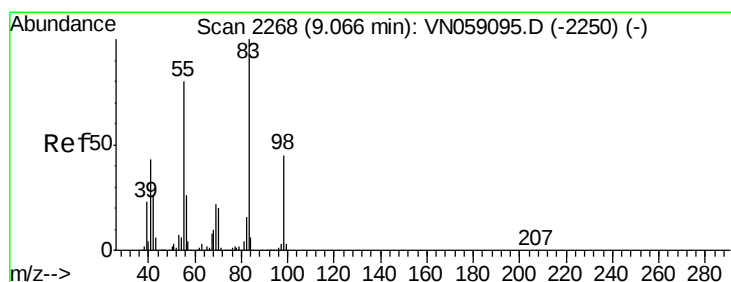
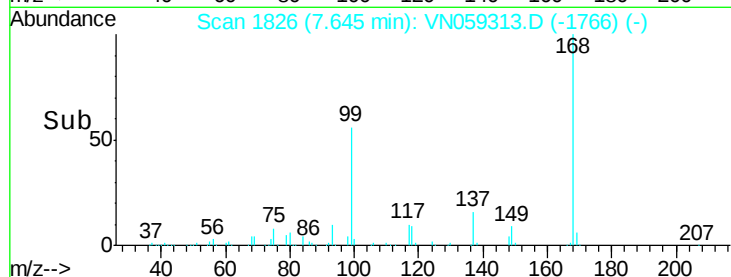
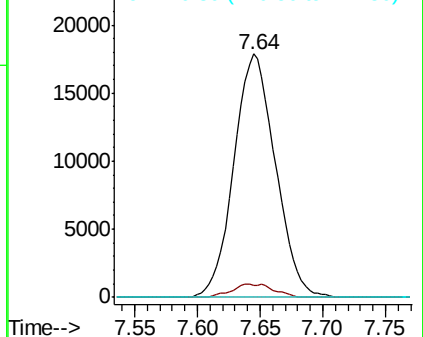
121 0.0 24.6 36.8#



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: 1.016 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

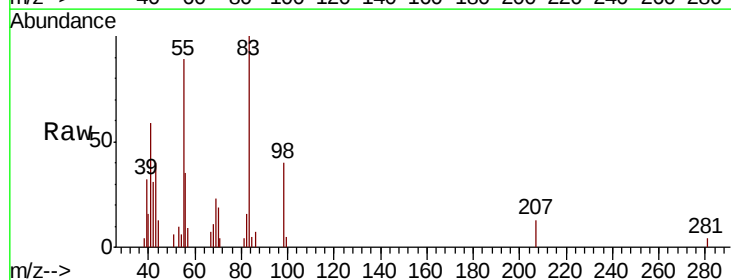
Tgt Ion: 83 Resp: 7638

Ion Ratio Lower Upper

83 100

55 80.0 63.9 95.9

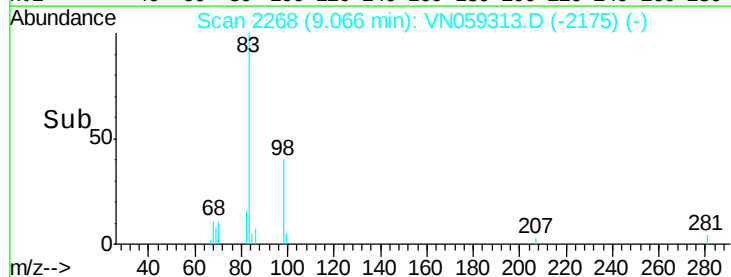
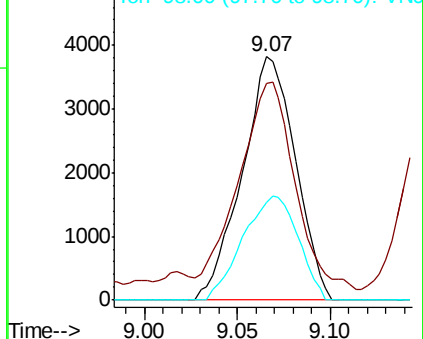
98 40.2 35.6 53.4

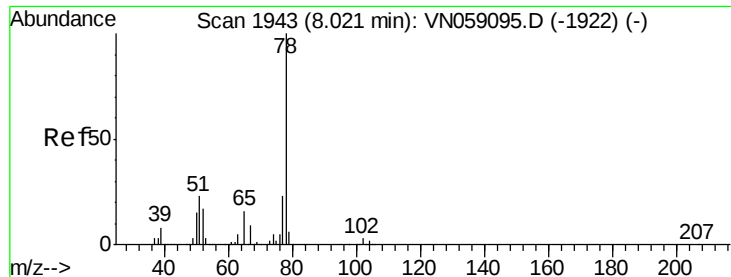


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 56.312 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

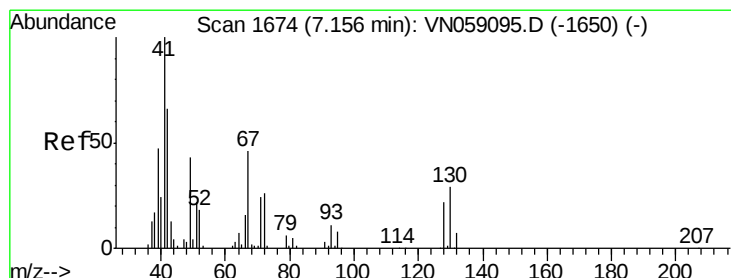
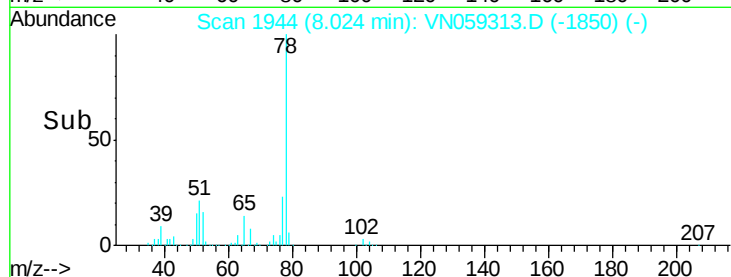
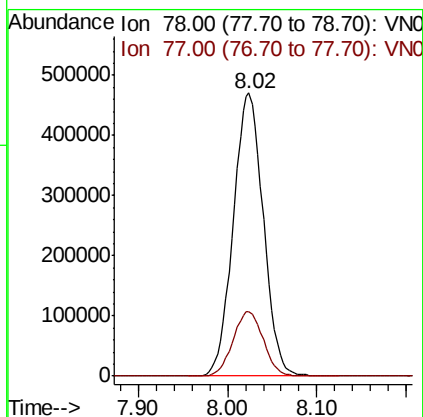
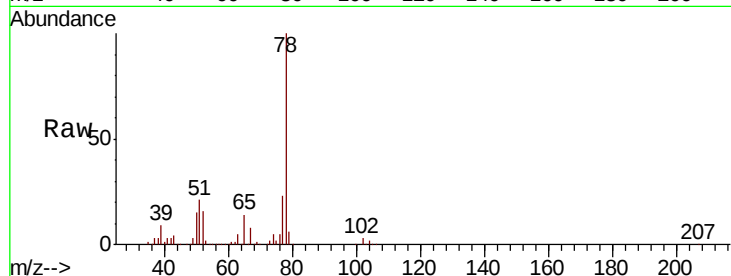
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 78 Resp: 1098524

Ion Ratio Lower Upper

78 100

77 23.0 18.8 28.2



#41

Methacrylonitrile

Concen: 2.631 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.03 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Tgt Ion: 41 Resp: 8246

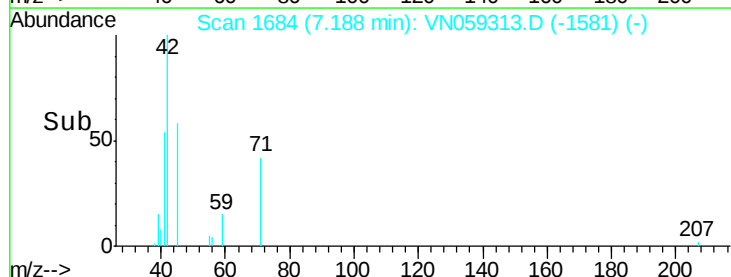
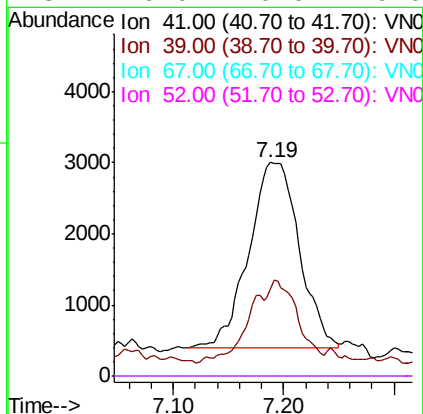
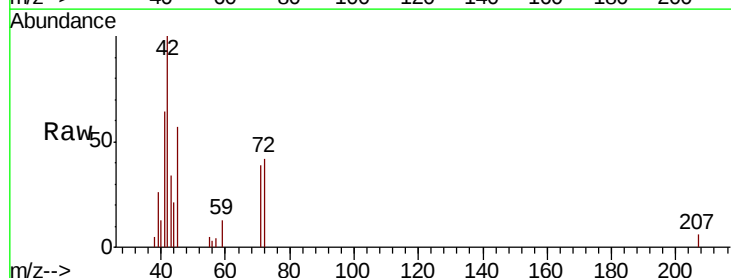
Ion Ratio Lower Upper

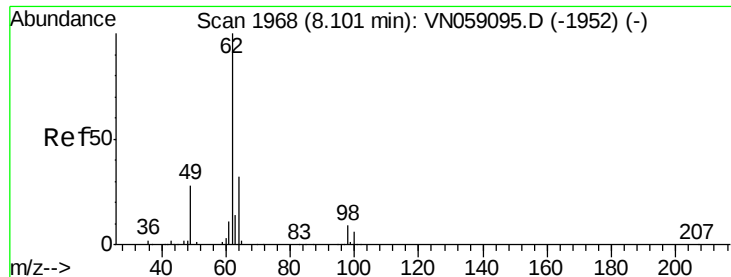
41 100

39 23.5 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0





#42

1,2-Dichloroethane

Concen: 1.563 ug/l

RT: 8.09 min Scan# 1966

Delta R.T. -0.01 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

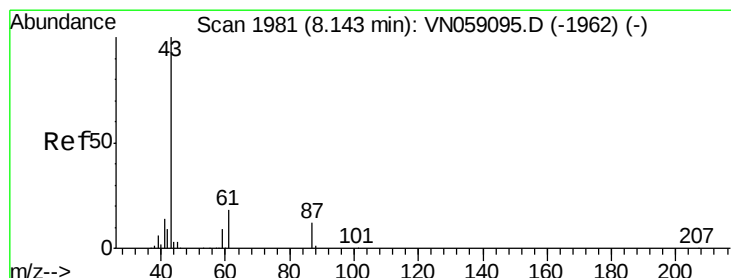
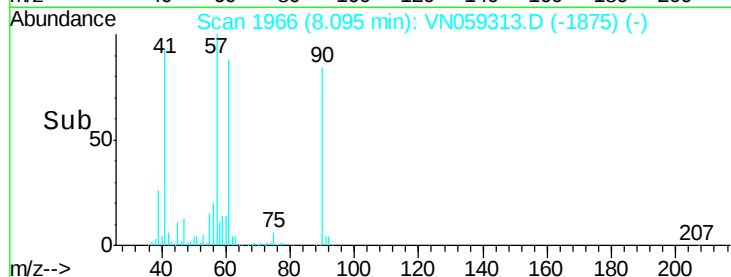
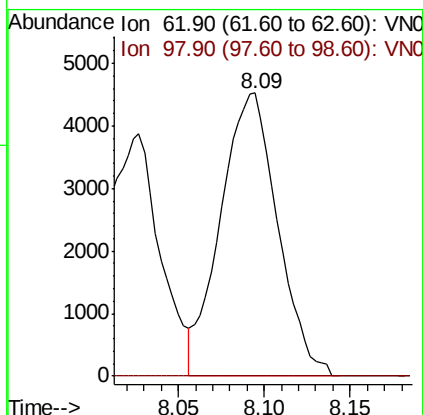
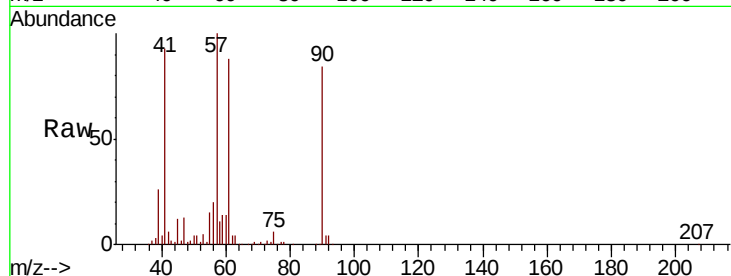
ClientSampleId :

Tot Ion: 62 Resp: 10460

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.8



#43

Isopropyl Acetate

Concen: 53.605 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.16 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

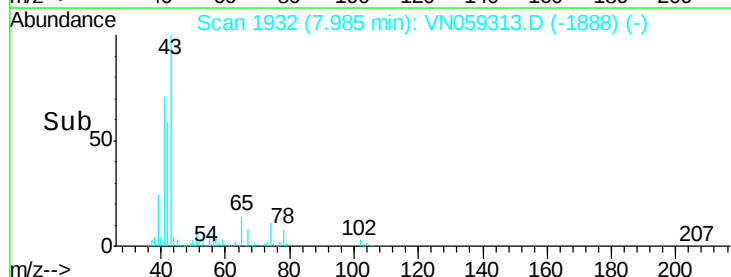
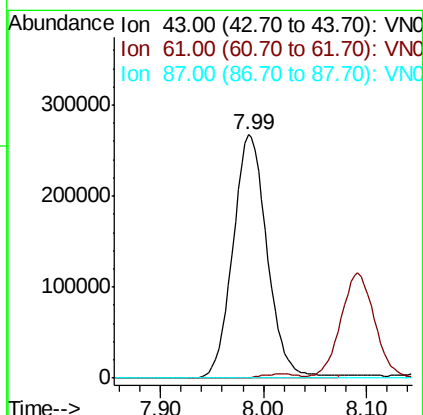
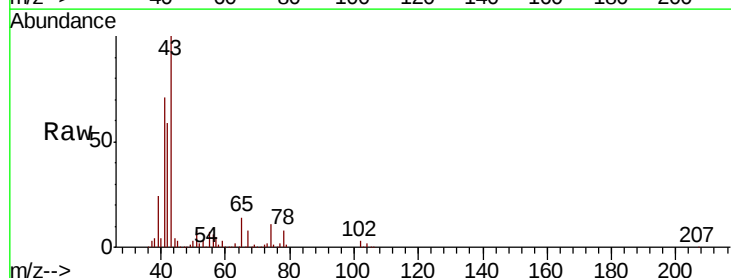
Tgt Ion: 43 Resp: 615886

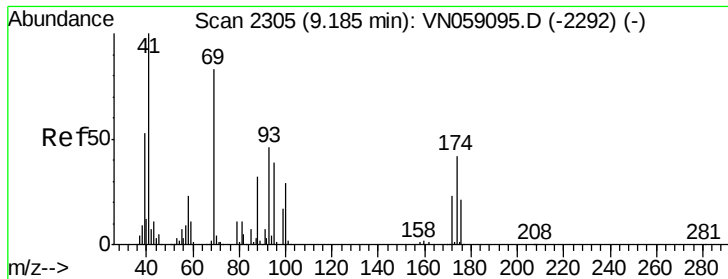
Ion Ratio Lower Upper

43 100

61 0.0 21.0 31.6#

87 0.0 9.8 14.6#

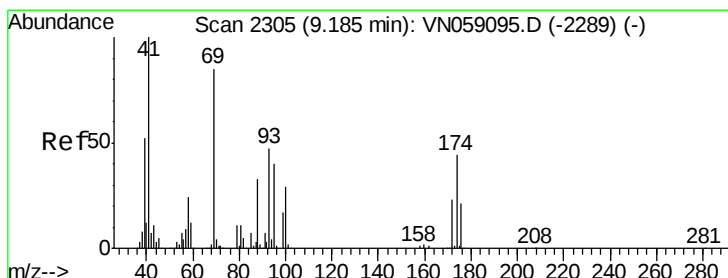
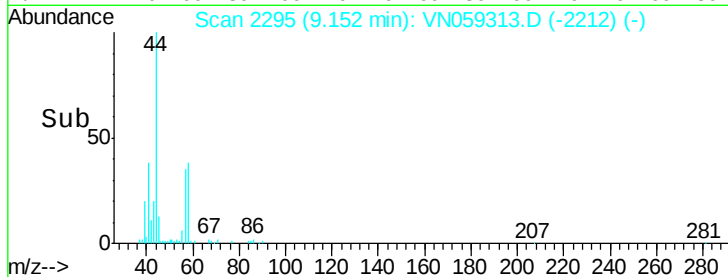
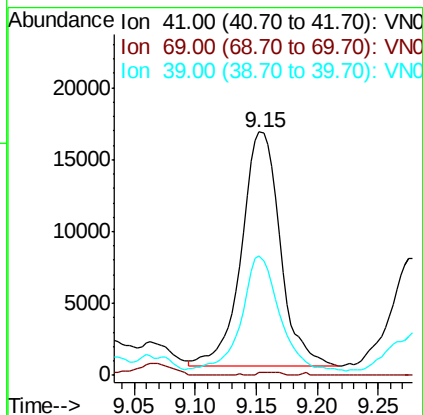
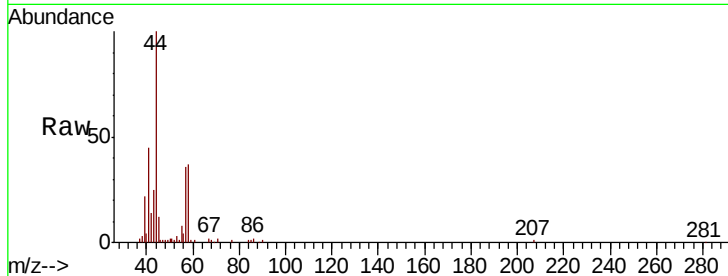




#48
Methvl methacrylate
Concen: 6.881 ug/l
RT: 9.15 min Scan# 2295
Delta R.T. -0.03 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

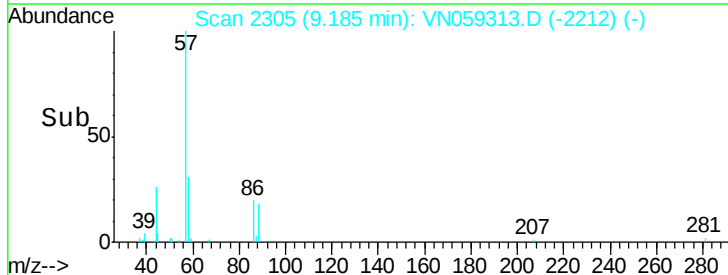
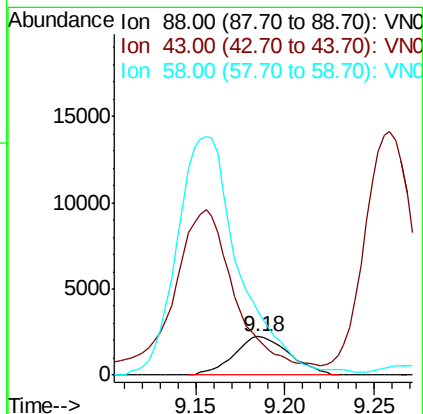
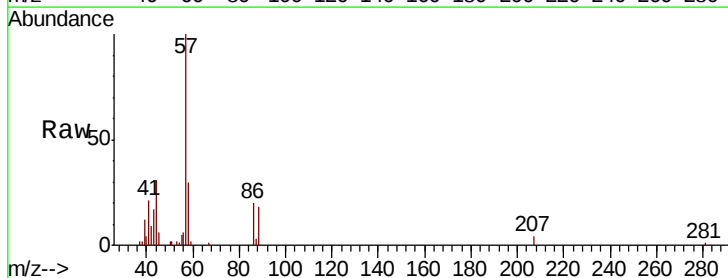
Instrument :
MSVOA_N
ClientSampled :

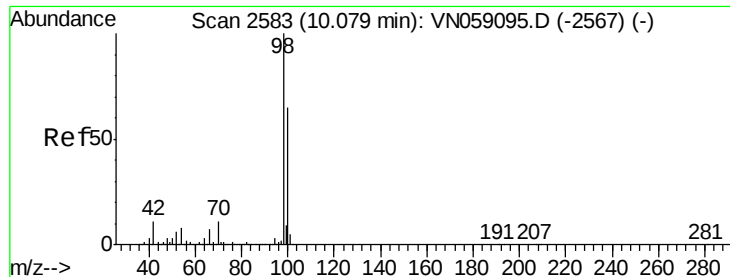
Tot Ion: 41 Resp: 35362
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 48.1 43.3 64.9



#49
1,4-Dioxane
Concen: 53.017 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

Tgt Ion: 88 Resp: 4842
Ion Ratio Lower Upper
88 100
43 0.0 26.3 39.5#
58 0.0 60.6 90.8#





#50

Toluene-d8

Concen: 51.504 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

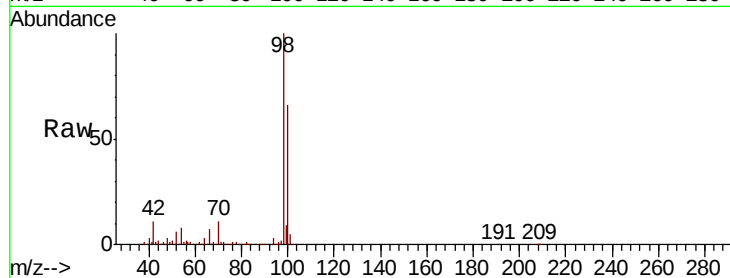
ClientSampled :

Tot Ion: 98 Resp: 839528

Ion Ratio Lower Upper

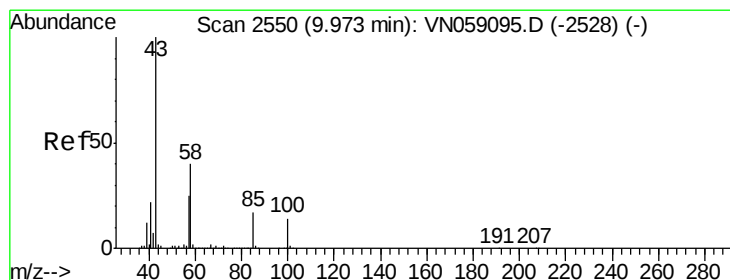
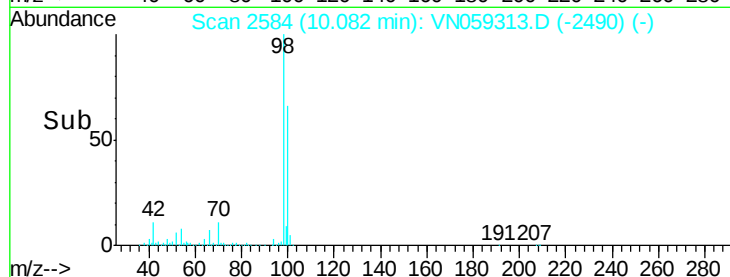
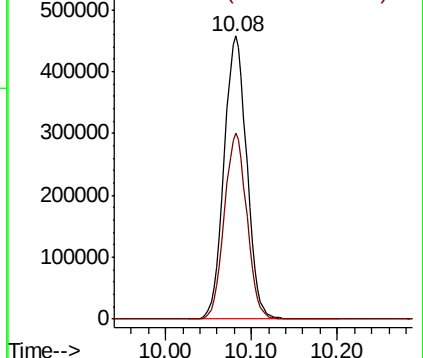
98 100

100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 2.813 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059313.D

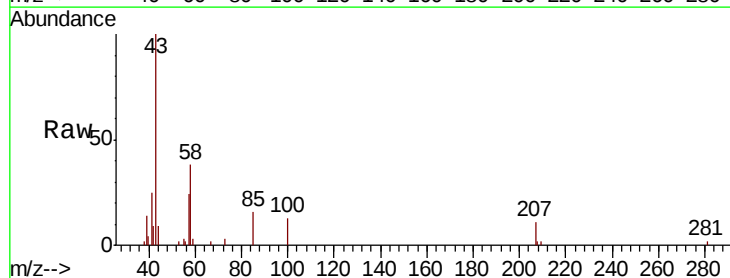
Acq: 19 Nov 2019 18:20

Tgt Ion: 43 Resp: 18285

Ion Ratio Lower Upper

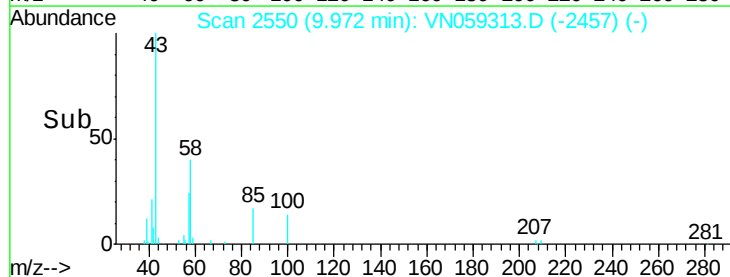
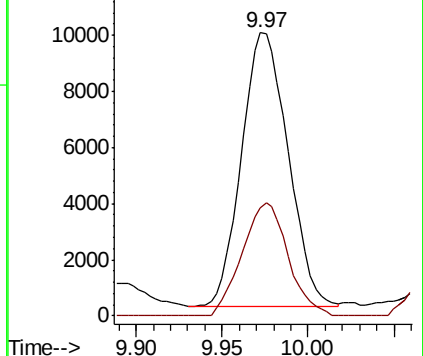
43 100

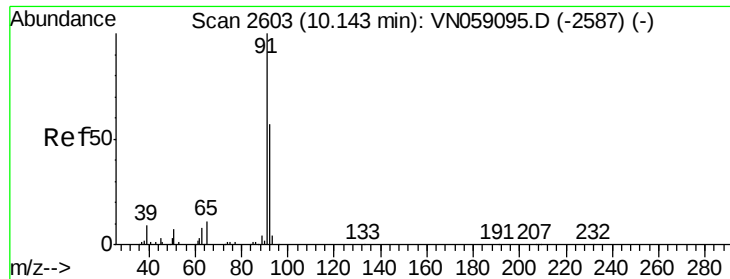
58 40.8 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 61.654 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

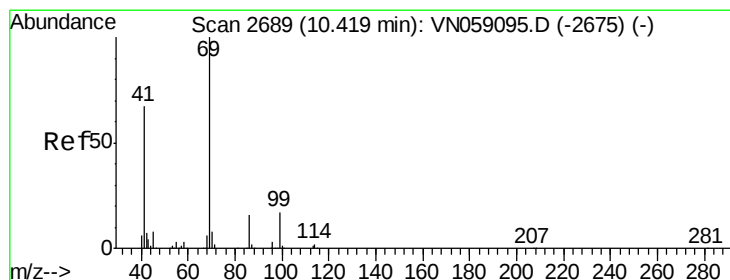
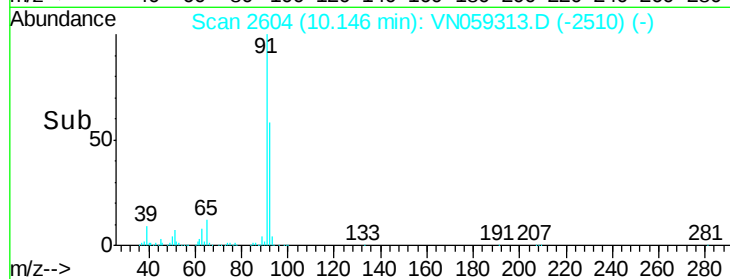
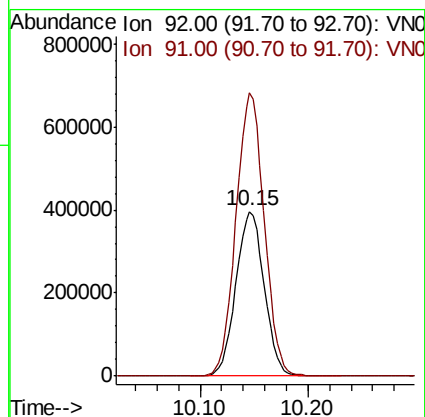
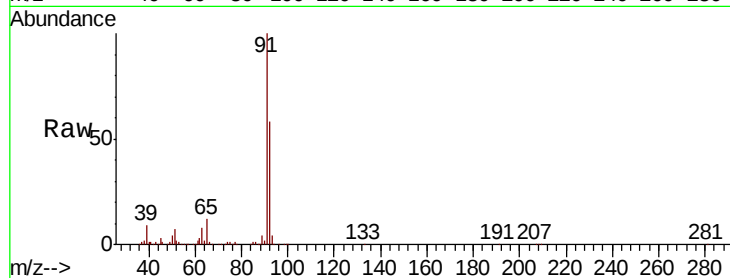
ClientSampleId :

Tot Ion: 92 Resp: 720877

Ion Ratio Lower Upper

92 100

91 172.1 139.5 209.3



#56

Ethyl methacrylate

Concen: 1.885 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

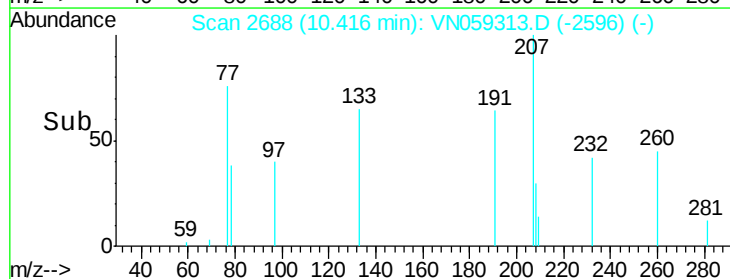
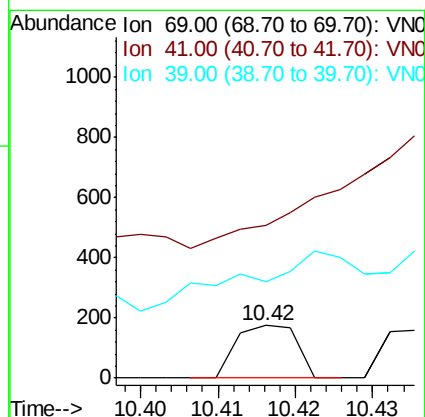
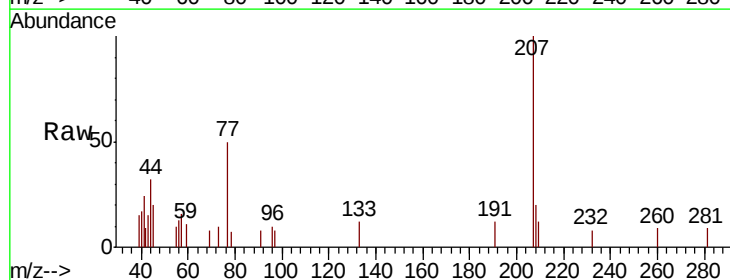
Tgt Ion: 69 Resp: 95

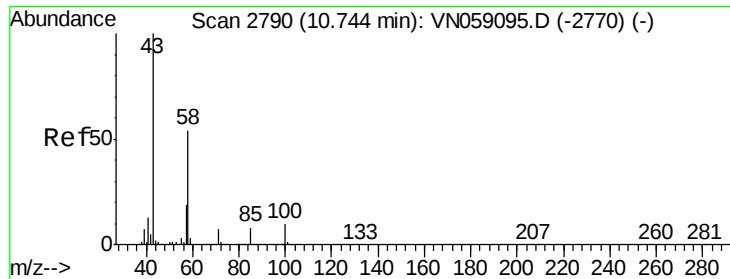
Ion Ratio Lower Upper

69 100

41 0.0 53.6 80.4#

39 0.0 26.2 39.4#

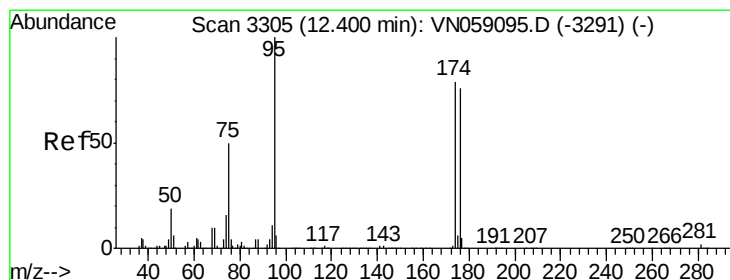
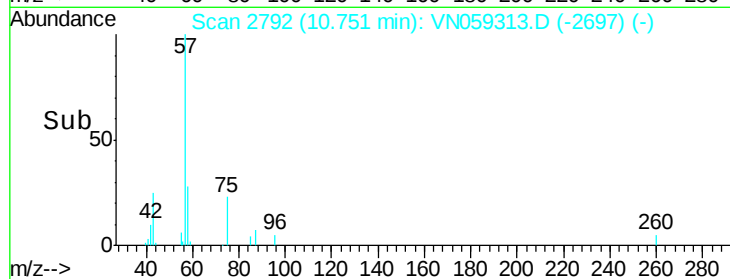
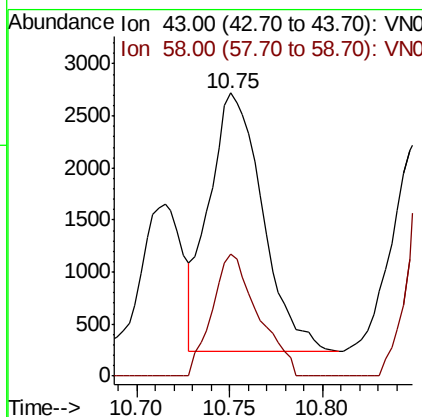
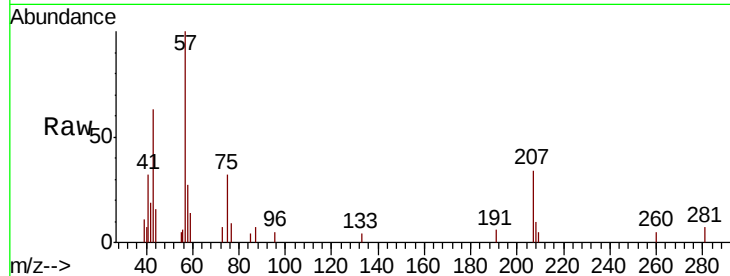




#59
2-Hexanone
Concen: 1.004 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.01 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

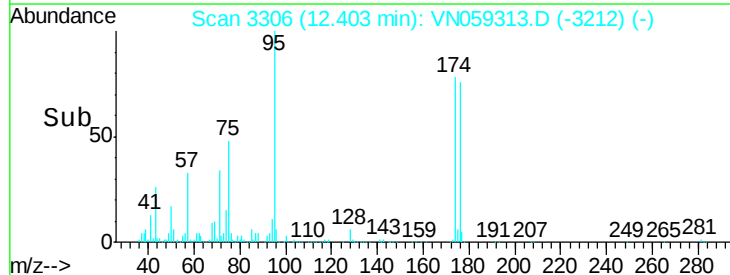
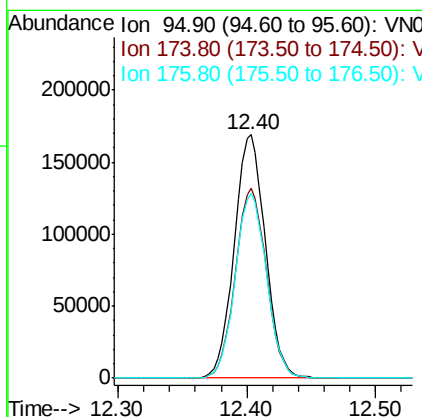
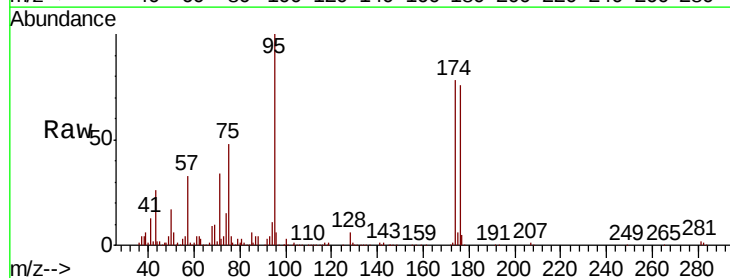
Instrument :
MSVOA_N
ClientSampleId :

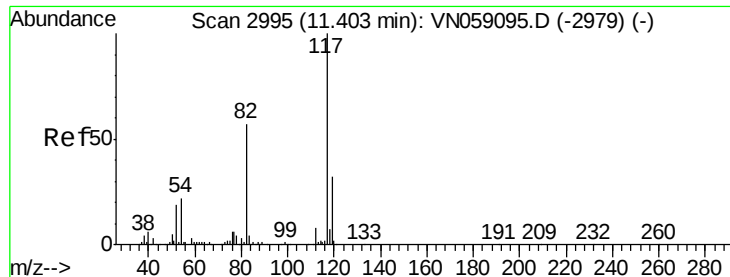
Tot Ion: 43 Resp: 5008
Ion Ratio Lower Upper
43 100
58 40.3 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 48.219 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

Tgt Ion: 95 Resp: 283391
Ion Ratio Lower Upper
95 100
174 78.1 0.0 158.2
176 76.5 0.0 151.8

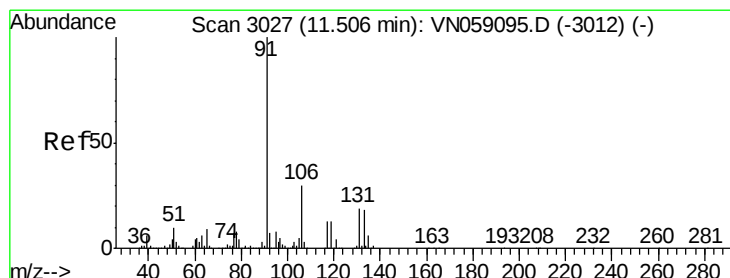
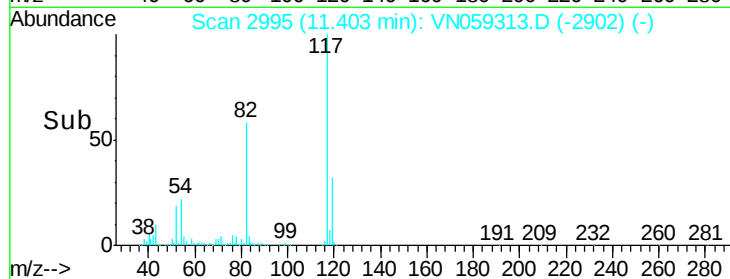
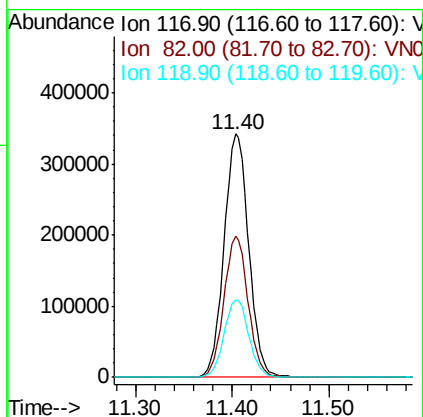
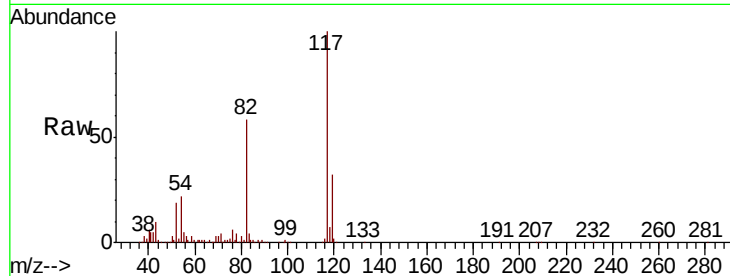




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

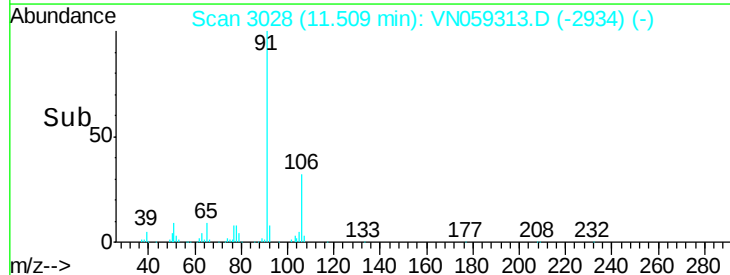
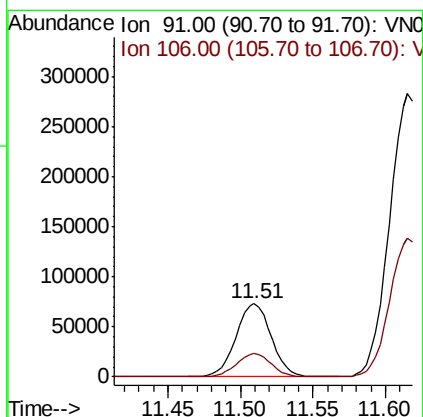
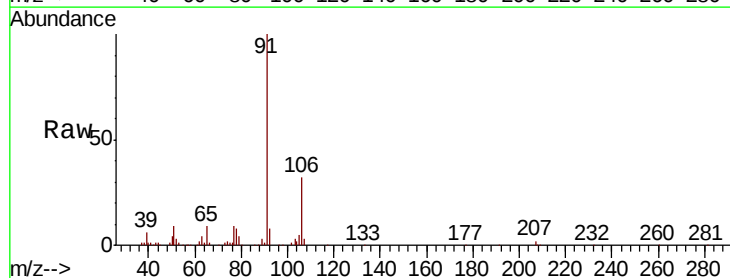
Instrument :
MSVOA_N
ClientSampleId :

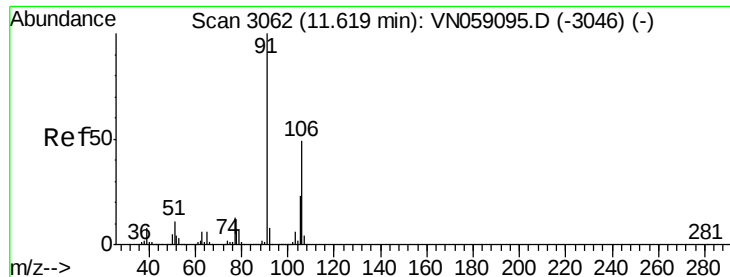
Tot Ion:117 Resp: 604253
Ion Ratio Lower Upper
117 100
82 58.1 45.8 68.8
119 31.9 25.8 38.6



#67
Ethyl Benzene
Concen: 5.962 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

Tgt Ion: 91 Resp: 124605
Ion Ratio Lower Upper
91 100
106 32.0 24.1 36.1

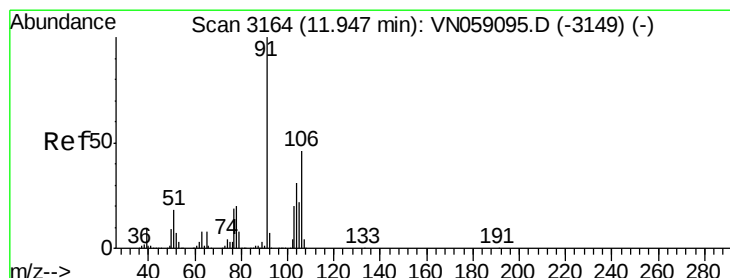
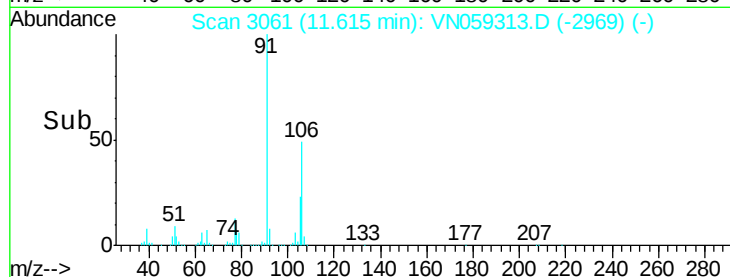
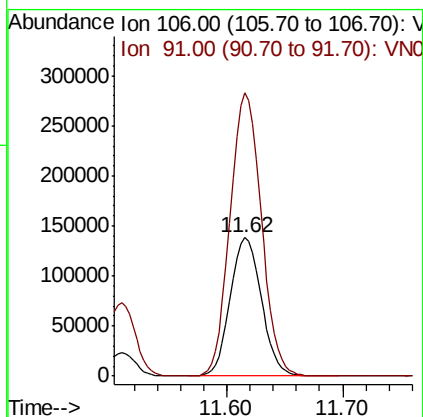
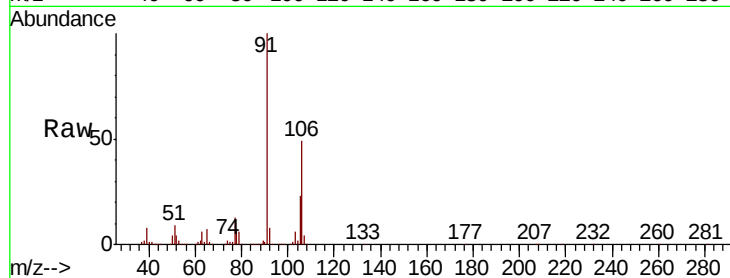




#68
m/p-Xylenes
Concen: 32.981 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

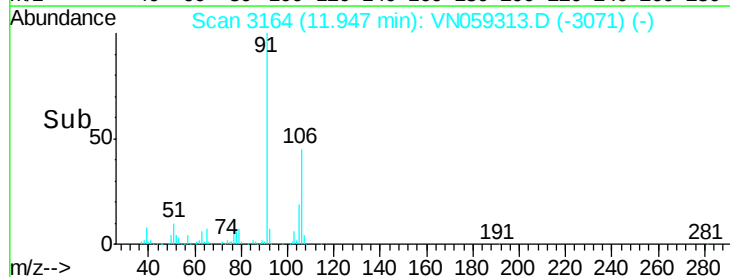
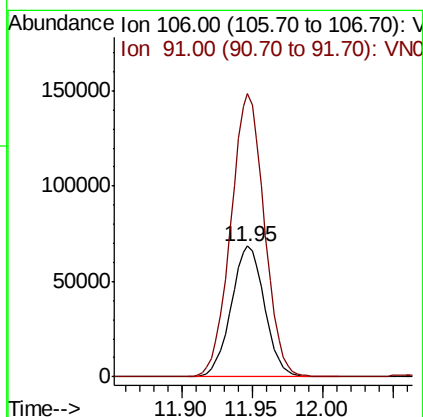
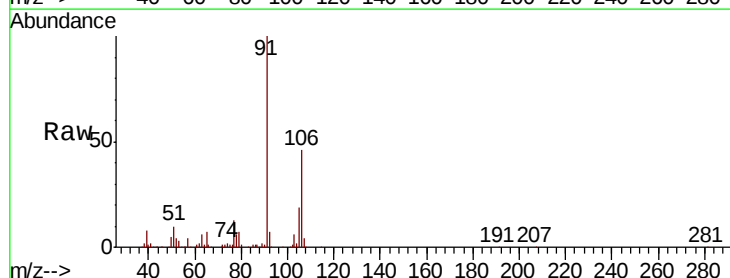
Instrument :
MSVOA_N
ClientSampled :

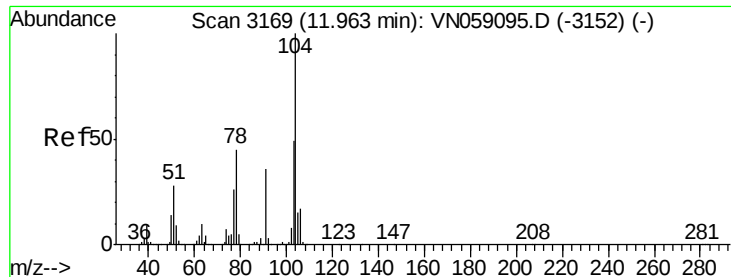
Tot Ion:106 Resp: 258194
Ion Ratio Lower Upper
106 100
91 205.1 164.7 247.1



#69
o-Xylene
Concen: 14.967 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

Tgt Ion:106 Resp: 113230
Ion Ratio Lower Upper
106 100
91 218.1 110.1 330.3

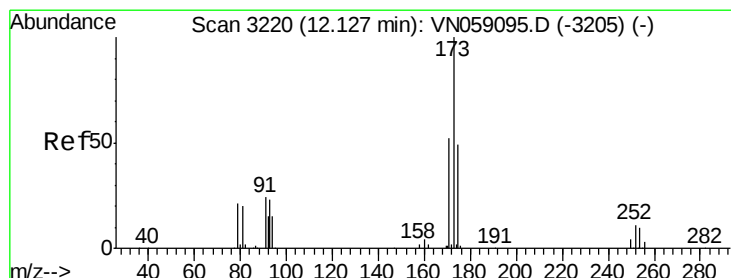
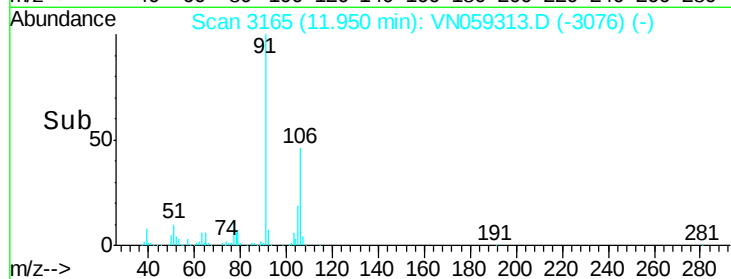
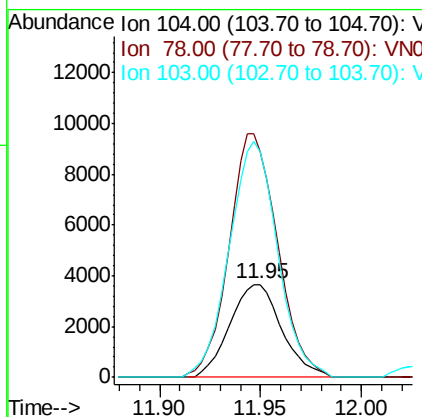
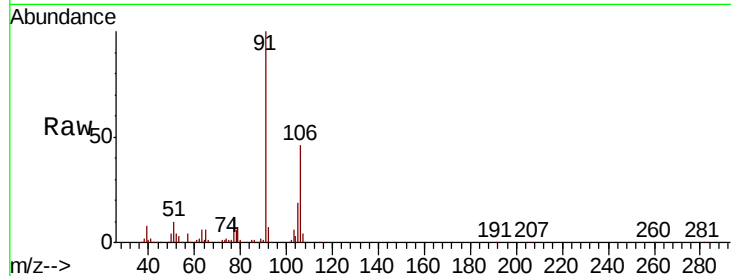




#70
Stvrene
Concen: 0.554 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

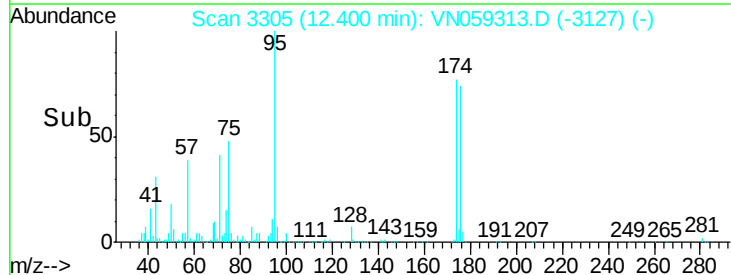
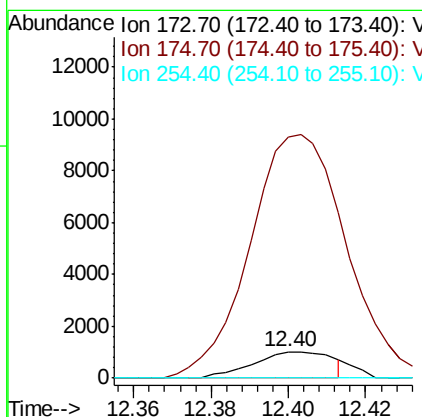
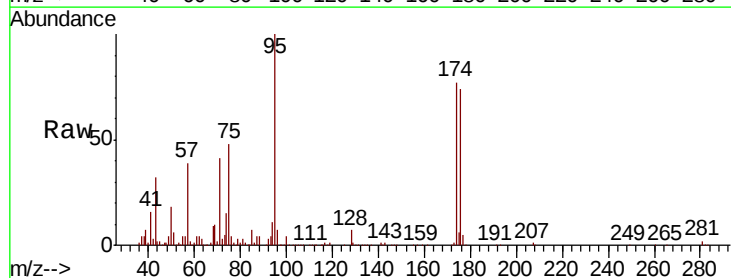
Instrument :
MSVOA_N
ClientSampleId :

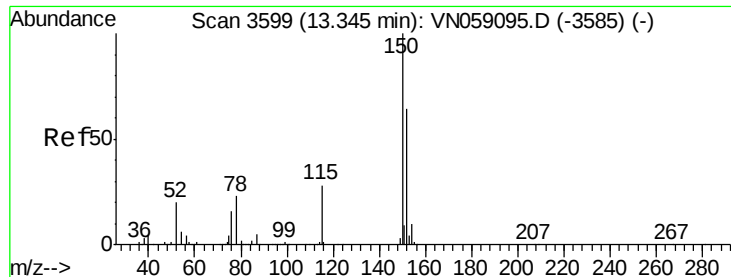
Tot Ion	Ratio	Lower	Upper
104	100		
78	244.3	41.2	61.8#
103	236.4	43.8	65.6#



#71
Bromoform
Concen: 0.420 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

Tgt Ion	Ratio	Lower	Upper
173	100		
175	961.5	24.2	72.6#
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampled :

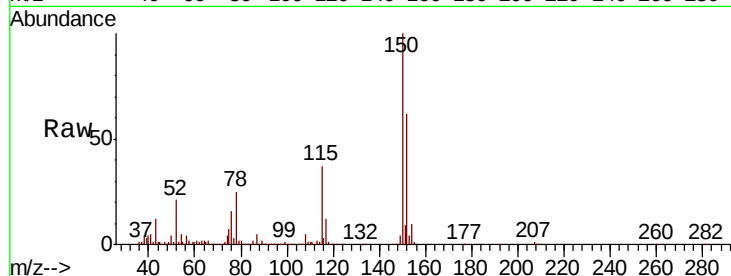
Tot Ion:152 Resp: 250715

Ion Ratio Lower Upper

152 100

115 59.3 29.4 88.2

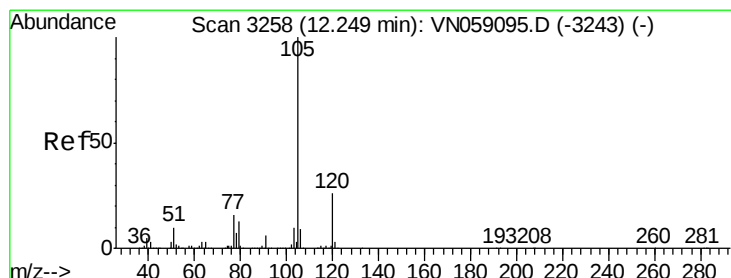
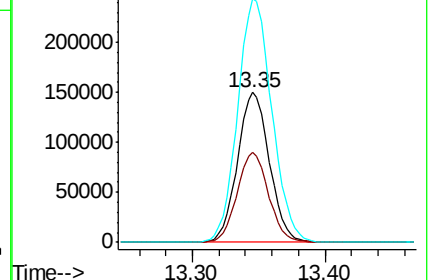
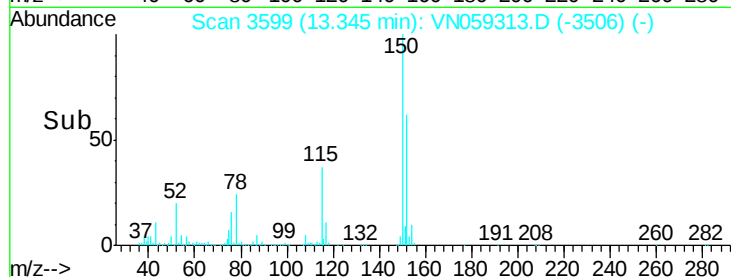
150 173.8 0.0 345.8



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: 0.272 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059313.D

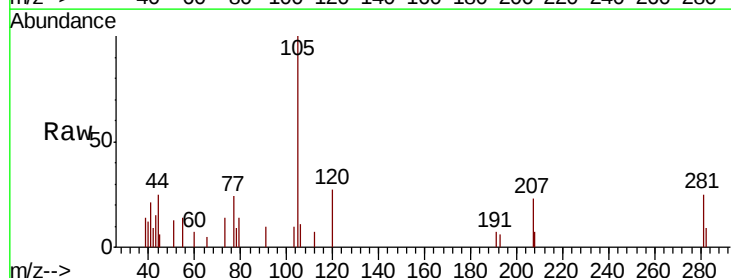
Acq: 19 Nov 2019 18:20

Tgt Ion:105 Resp: 4969

Ion Ratio Lower Upper

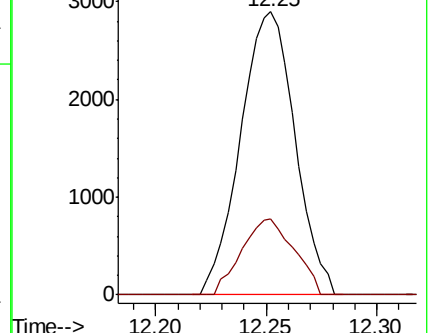
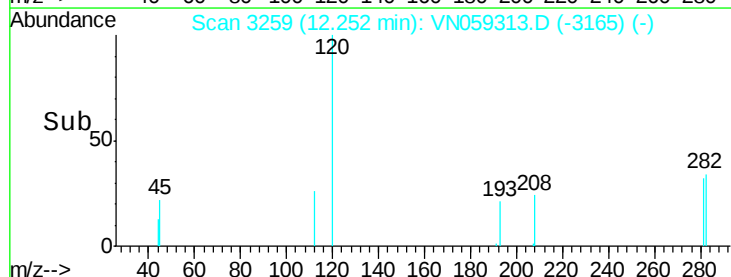
105 100

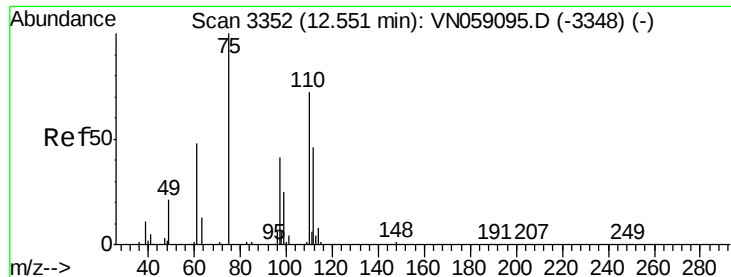
120 25.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 24.298 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

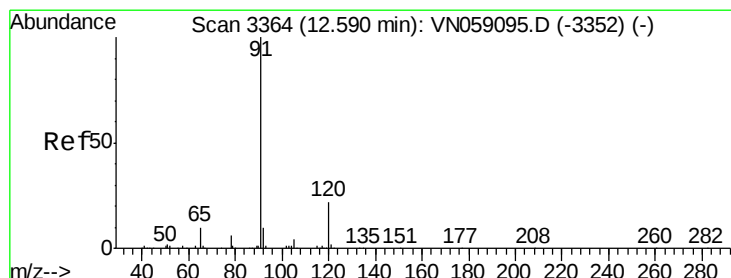
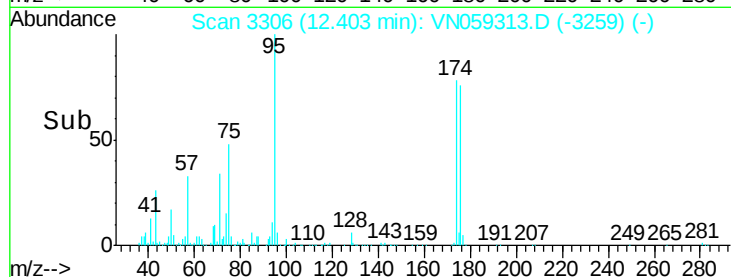
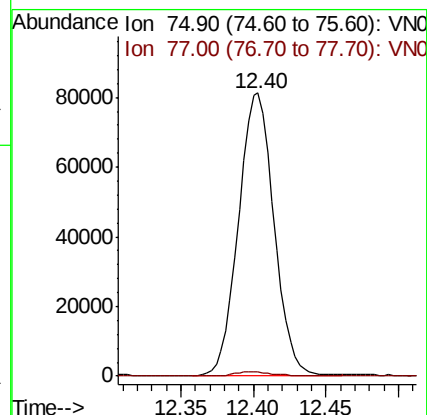
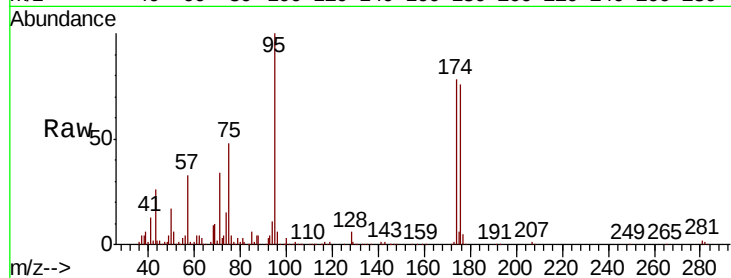
ClientSampled :

Tot Ion: 75 Resp: 138691

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#78

n-propylbenzene

Concen: 0.258 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059313.D

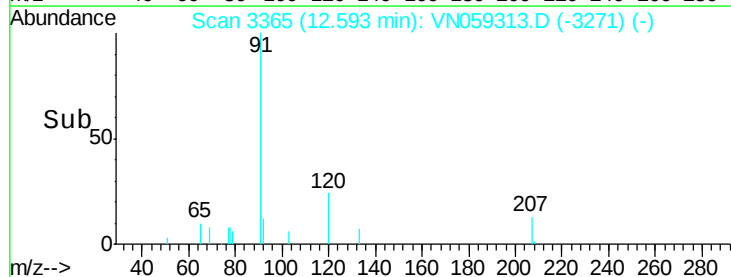
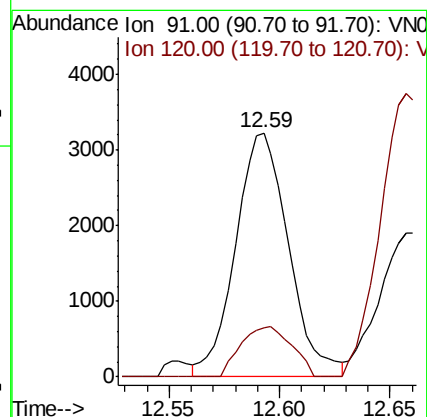
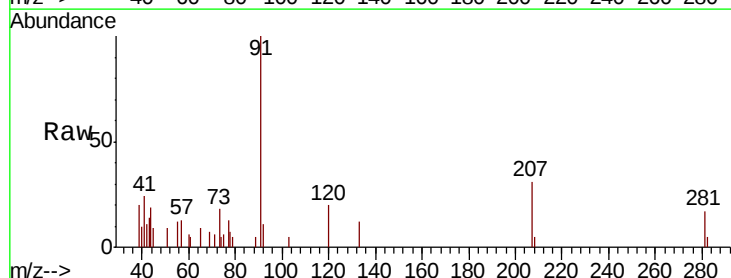
Acq: 19 Nov 2019 18:20

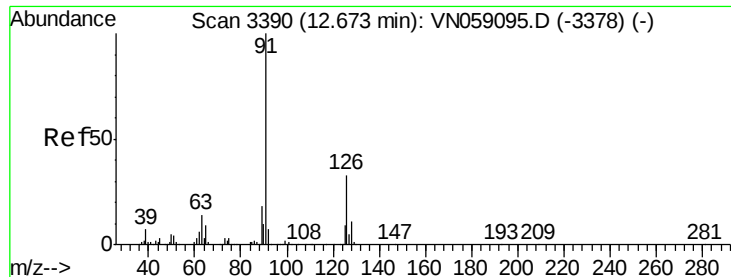
Tgt Ion: 91 Resp: 5380

Ion Ratio Lower Upper

91 100

120 19.8 11.2 33.5

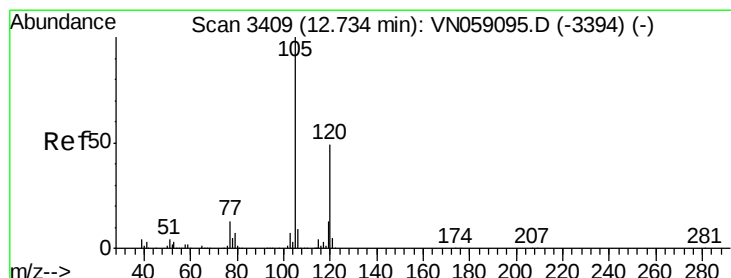
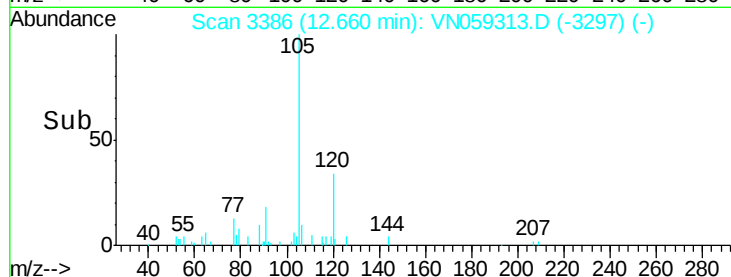
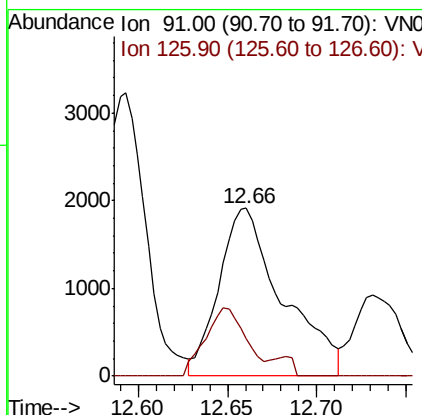
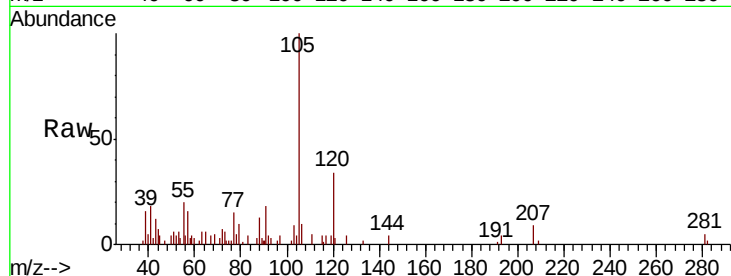




#79
 2-Chlorotoluene
 Concen: 0.367 ug/l
 RT: 12.66 min Scan# 3386
 Delta R.T. -0.01 min
 Lab File: VN059313.D
 Acq: 19 Nov 2019 18:20

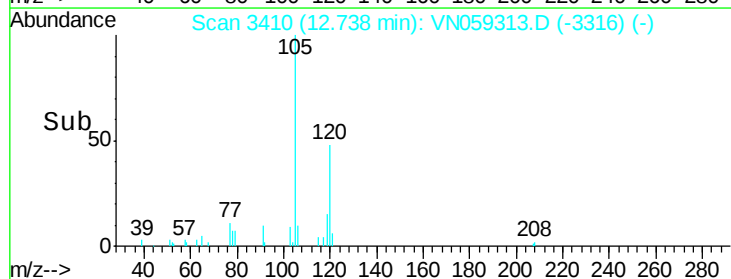
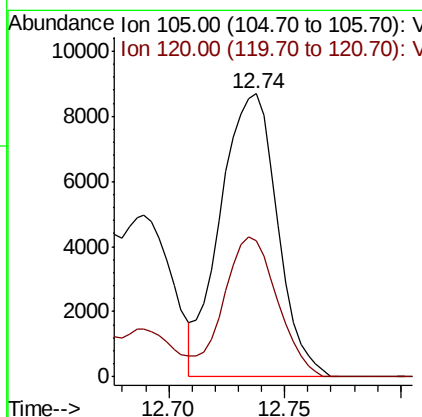
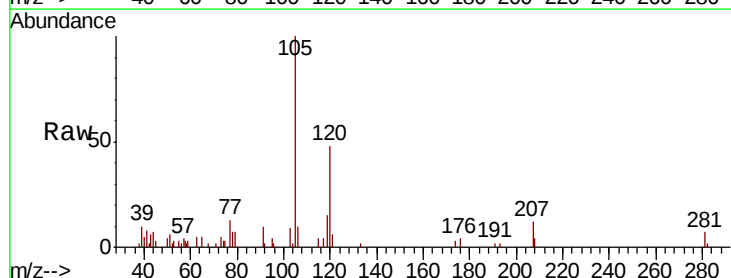
Instrument :
 MSVOA_N
 ClientSampleId :

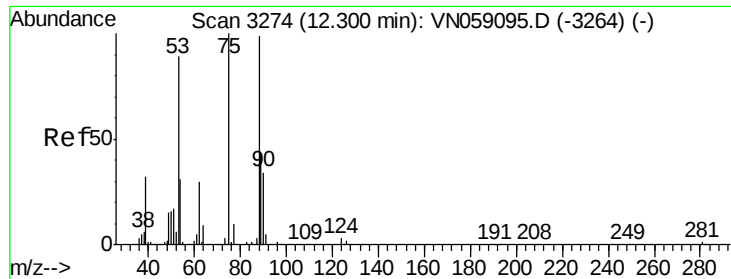
Tot Ion: 91 Resp: 4749
 Ion Ratio Lower Upper
 91 100
 126 26.4 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 0.962 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN059313.D
 Acq: 19 Nov 2019 18:20

Tgt Ion: 105 Resp: 14861
 Ion Ratio Lower Upper
 105 100
 120 45.7 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.178 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampled :

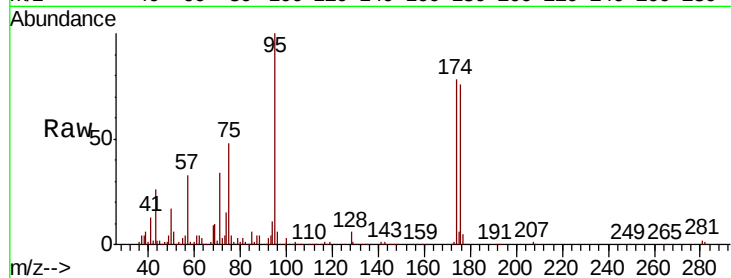
Tot Ion: 75 Resp: 138691

Ion Ratio Lower Upper

75 100

53 2.8 72.2 108.2#

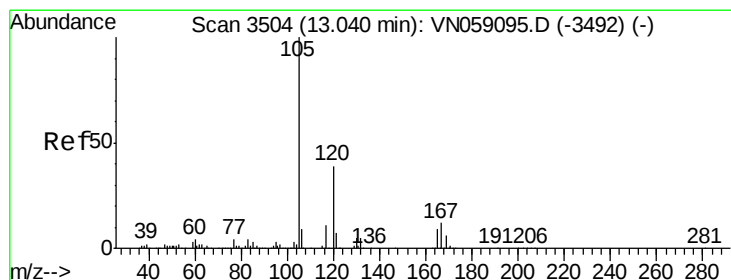
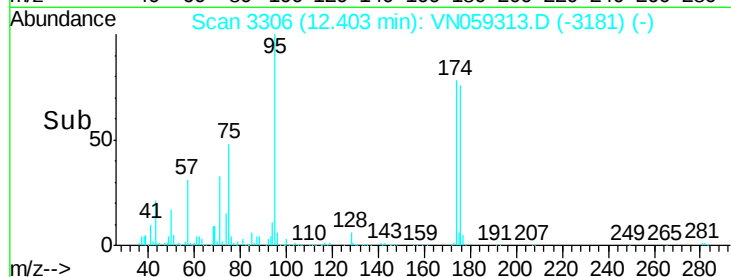
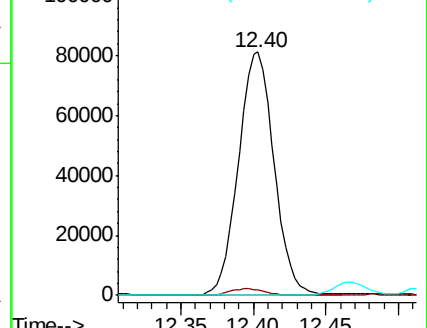
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN059313.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN059313.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN059313.D (-3181) (-)



#84

1,2,4-Trimethylbenzene

Concen: 3.080 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059313.D

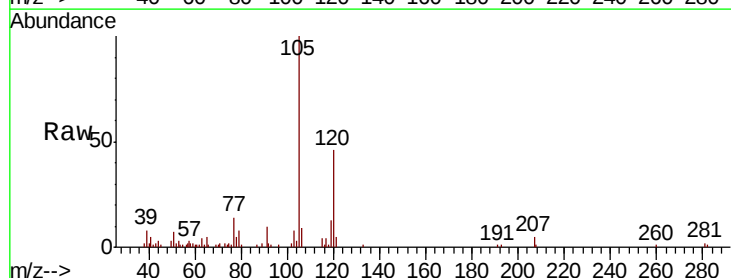
Acq: 19 Nov 2019 18:20

Tgt Ion: 105 Resp: 46042

Ion Ratio Lower Upper

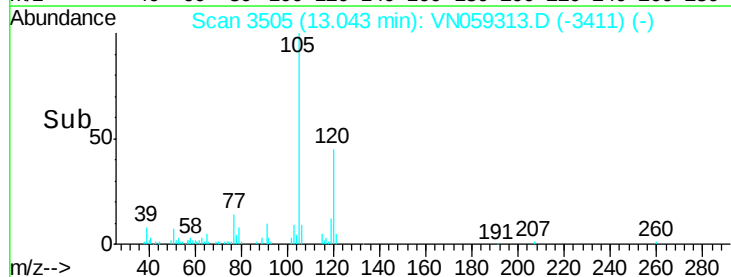
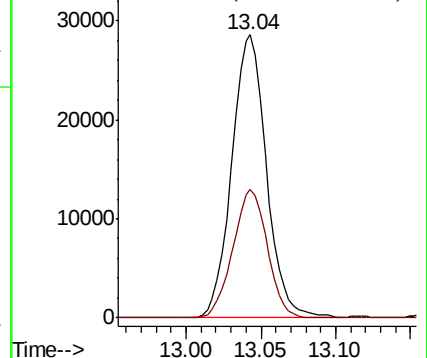
105 100

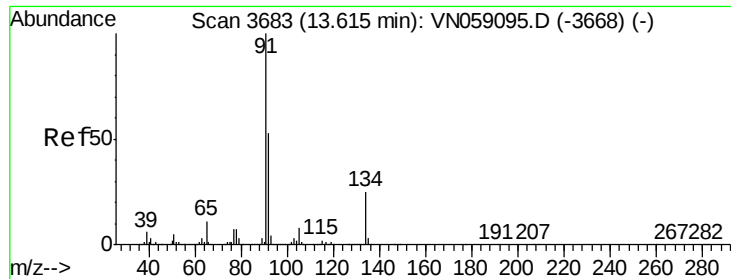
120 44.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): VN059313.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN059313.D (-3411) (-)

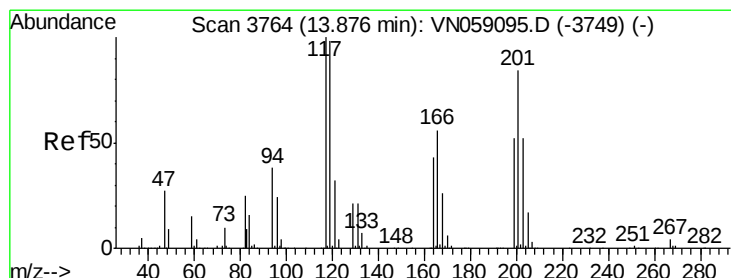
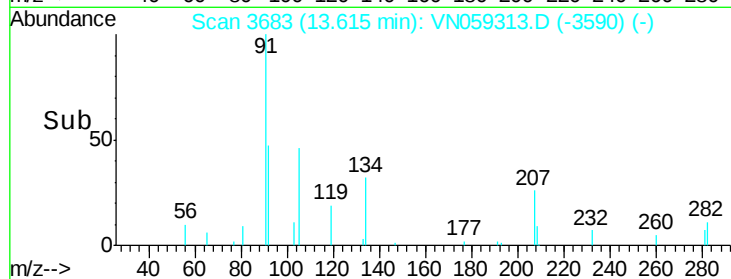
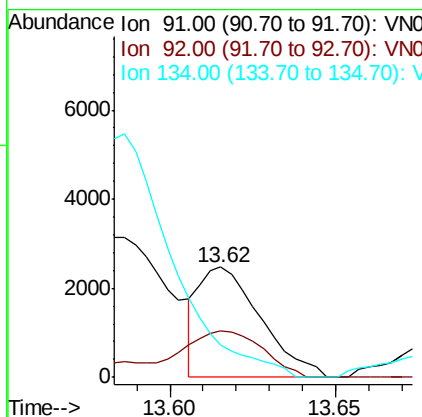
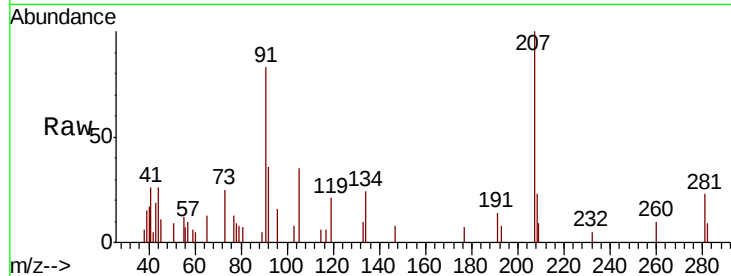




#89
n-Butylbenzene
Concen: 0.237 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

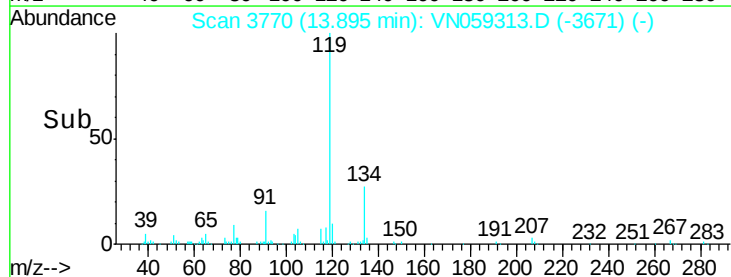
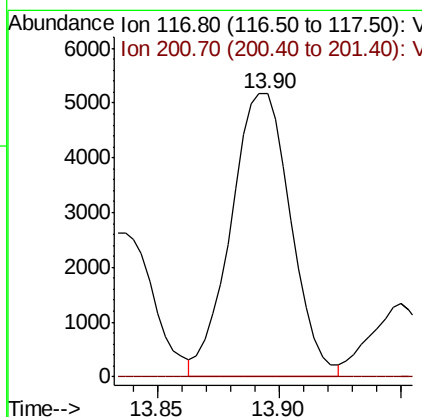
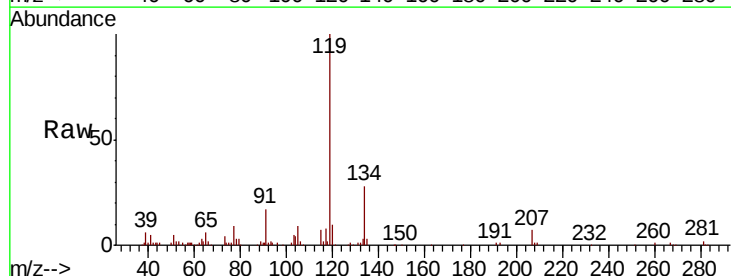
Instrument :
MSVOA_N
ClientSampleId :

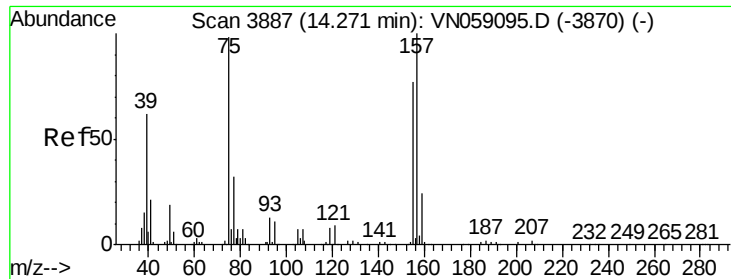
Tot Ion: 91 Resp: 3174
Ion Ratio Lower Upper
91 100
92 55.5 26.1 78.3
134 0.0 12.6 37.8#



#90
Hexachloroethane
Concen: 2.866 ug/l
RT: 13.90 min Scan# 3770
Delta R.T. 0.02 min
Lab File: VN059313.D
Acq: 19 Nov 2019 18:20

Tgt Ion: 117 Resp: 8820
Ion Ratio Lower Upper
117 100
201 0.0 41.8 125.3#

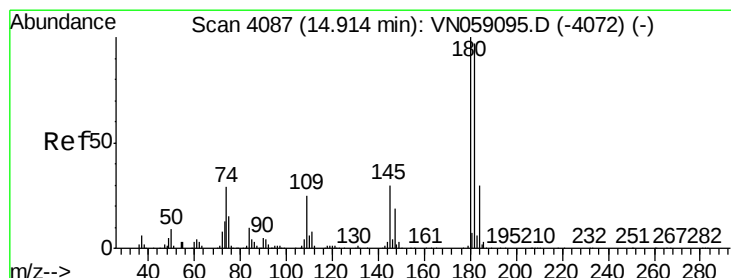
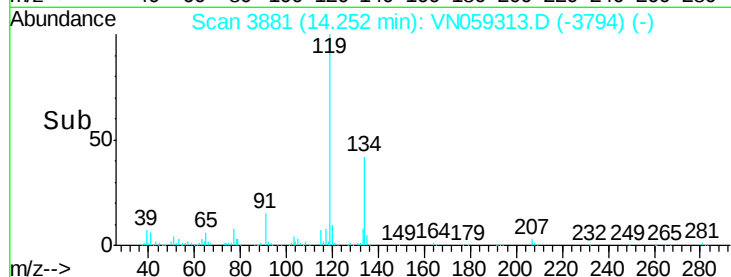
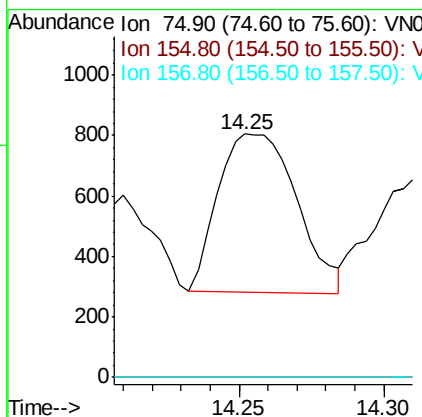
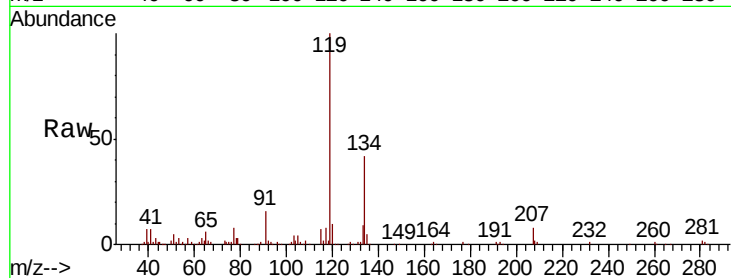




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.822 ug/l
 RT: 14.25 min Scan# 3881
 Delta R.T. -0.02 min
 Lab File: VN059313.D
 Acq: 19 Nov 2019 18:20

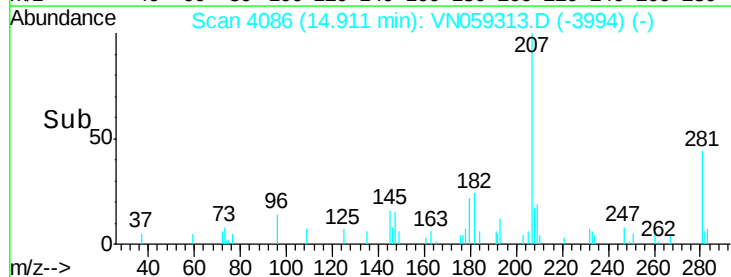
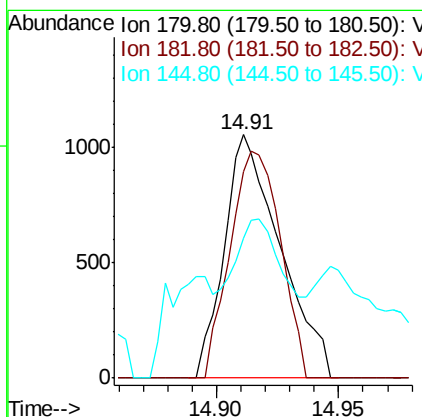
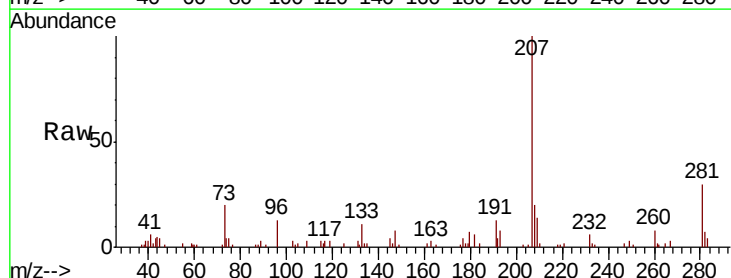
Instrument :
 MSVOA_N
 ClientSampled :

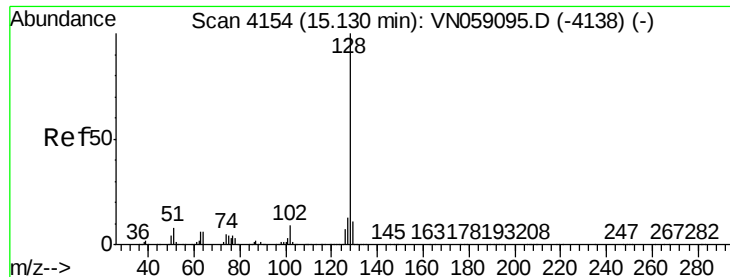
Tot Ion: 75 Resp: 986
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.2 120.6#
 157 0.0 51.8 155.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.383 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059313.D
 Acq: 19 Nov 2019 18:20

Tgt Ion: 180 Resp: 1679
 Ion Ratio Lower Upper
 180 100
 182 83.8 48.1 144.3
 145 42.5 15.1 45.3





#95

Naphthalene

Concen: 5.177 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

Instrument :

MSVOA_N

ClientSampleId :

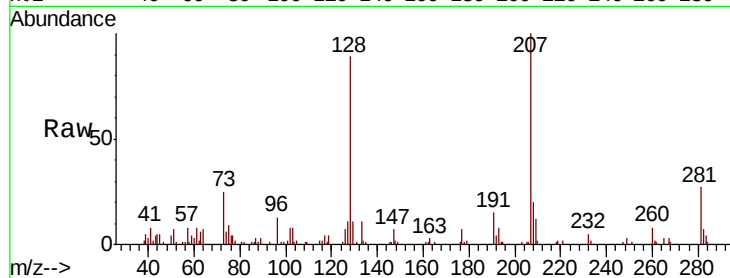
Tot Ion:128 Resp: 29495

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

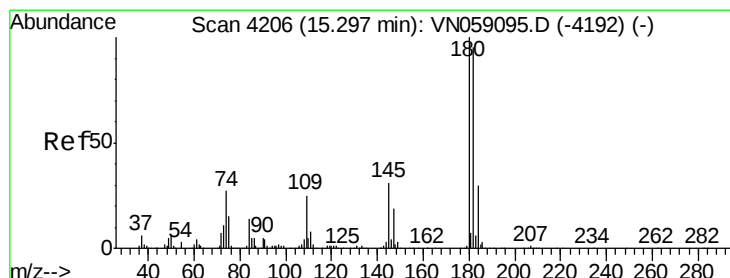
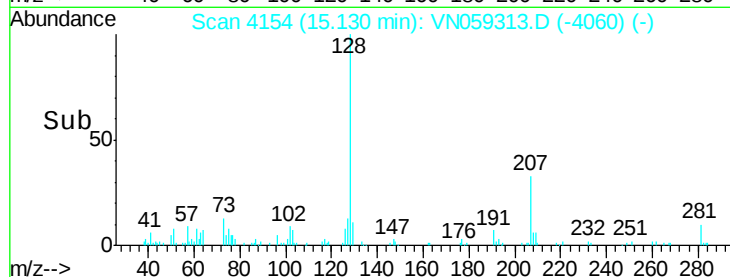
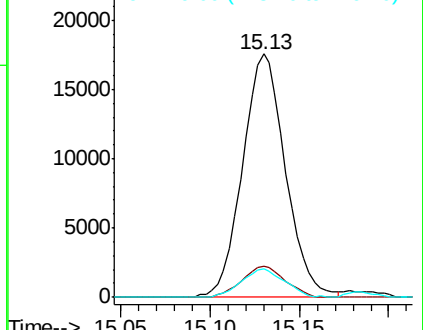
129 11.9 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.483 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059313.D

Acq: 19 Nov 2019 18:20

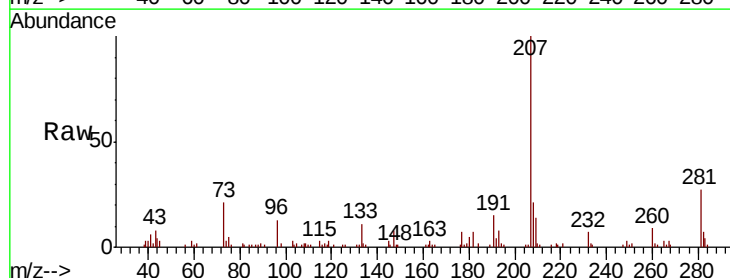
Tgt Ion:180 Resp: 2090

Ion Ratio Lower Upper

180 100

182 132.7 47.3 141.8

145 40.8 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

