

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058251.D
 Acq On : 20 Sep 2019 15:36
 Operator : JC/SP
 Sample : VN0920WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Quant Time: Sep 20 23:49:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	442231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	749567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	671366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324180	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	332917	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
35) Dibromofluoromethane	7.58	113	237670	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	10.08	98	932862	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.41	95	334967	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	68793	18.936	ug/l	99
3) Chloromethane	2.04	50	59266	20.556	ug/l	98
4) Vinyl Chloride	2.17	62	61777	19.624	ug/l	98
5) Bromomethane	2.55	94	31895	20.115	ug/l	98
6) Chloroethane	2.69	64	43525	21.180	ug/l	99
7) Trichlorofluoromethane	3.00	101	95532	19.266	ug/l	99
8) Diethyl Ether	3.39	74	45935	20.218	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70828	19.811	ug/l	99
10) Methyl Iodide	3.93	142	53892	17.990	ug/l	99
11) Tert butyl alcohol	4.76	59	80352	109.669	ug/l	99
12) 1,1-Dichloroethene	3.72	96	54398	19.835	ug/l	95
13) Acrolein	3.59	56	11254	103.647	ug/l	98
14) Allyl chloride	4.30	41	113710	19.437	ug/l	98
15) Acrylonitrile	4.96	53	217094	111.213	ug/l	100
16) Acetone	3.80	43	219847	105.152	ug/l	100
17) Carbon Disulfide	4.03	76	67304	17.799	ug/l #	95
18) Methyl Acetate	4.30	43	116965	21.261	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	284136	21.072	ug/l	97
20) Methylene Chloride	4.53	84	77231	20.970	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	60238	20.134	ug/l	98
22) Diisopropyl ether	5.93	45	306889	20.652	ug/l	97
23) Vinyl Acetate	5.88	43	1102494	108.424	ug/l	99
24) 1,1-Dichloroethane	5.83	63	163351	20.596	ug/l	99
25) 2-Butanone	6.82	43	311573	109.385	ug/l	97
26) 2,2-Dichloropropane	6.81	77	128001	19.023	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	89979	20.064	ug/l	99
28) Bromochloromethane	7.17	49	84303	22.469	ug/l	98
29) Tetrahydrofuran	7.19	42	192076	109.474	ug/l	99
30) Chloroform	7.36	83	172075	20.156	ug/l	99
31) Cyclohexane	7.64	56	108716	19.745	ug/l #	93
32) 1,1,1-Trichloroethane	7.55	97	132093	20.324	ug/l	99
36) 1,1-Dichloropropene	7.78	75	98206	18.168	ug/l	98
37) Ethyl Acetate	6.91	43	114054	20.332	ug/l	99
38) Carbon Tetrachloride	7.76	117	103340	19.018	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	100127	19.202	ug/l	96
40) Benzene	8.03	78	324101	19.630	ug/l	100
41) Methacrylonitrile	7.19	41	184747	65.093	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	138733	20.026	ug/l	100
43) Isopropyl Acetate	8.15	43	209144	19.963	ug/l	100
44) Trichloroethene	8.83	130	79955	19.790	ug/l	99
45) 1,2-Dichloropropane	9.11	63	100997	20.484	ug/l	98
46) Dibromomethane	9.20	93	62700	20.916	ug/l	96
47) Bromodichloromethane	9.40	83	129656	20.645	ug/l	99
48) Methyl methacrylate	9.19	41	99503	20.918	ug/l	99
49) 1,4-Dioxane	9.19	88	33660	430.991	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	665090	119.518	ug/l	99
52) Toluene	10.15	92	202442	19.565	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	126381	19.646	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	141336	19.899	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	94888	20.665	ug/l	98
56) Ethyl methacrylate	10.43	69	139285	21.024	ug/l	99
57) 1,3-Dichloropropane	10.71	76	163229	20.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	356743	113.045	ug/l	99
59) 2-Hexanone	10.75	43	484433	117.214	ug/l	97
60) Dibromochloromethane	10.90	129	88854	20.114	ug/l	99
61) 1,2-Dibromoethane	11.00	107	87181	20.487	ug/l	99
64) Tetrachloroethene	10.63	164	60232	18.404	ug/l	98
65) Chlorobenzene	11.43	112	234865	19.889	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88481	20.664	ug/l	99
67) Ethyl Benzene	11.51	91	421341	20.823	ug/l	99
68) m/p-Xylenes	11.62	106	302540	39.699	ug/l	97
69) o-Xylene	11.95	106	152824	20.394	ug/l	99
70) Styrene	11.97	104	263039	20.373	ug/l	99
71) Bromoform	12.13	173	54485	19.524	ug/l #	99
73) Isopropylbenzene	12.25	105	435397	21.457	ug/l	99
74) N-amyl acetate	12.07	43	184602	21.747	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	148136	21.800	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	174406	30.061	ug/l #	100
77) Bromobenzene	12.53	156	100455	19.681	ug/l	96
78) n-propylbenzene	12.60	91	502726	21.802	ug/l	99
79) 2-Chlorotoluene	12.68	91	303500	21.061	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	371320	21.640	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	31735	20.178	ug/l	84
82) 4-Chlorotoluene	12.78	91	312417	20.624	ug/l	99
83) tert-Butylbenzene	13.00	119	325182	21.251	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	380122	22.261	ug/l	99
85) sec-Butylbenzene	13.18	105	440560	22.017	ug/l	100
86) p-Isopropyltoluene	13.29	119	390258	21.938	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	195697	20.991	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	195933	20.586	ug/l	99
89) n-Butylbenzene	13.62	91	360792	21.392	ug/l	99
90) Hexachloroethane	13.88	117	58007	20.368	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	197578	21.127	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26191	21.409	ug/l	95

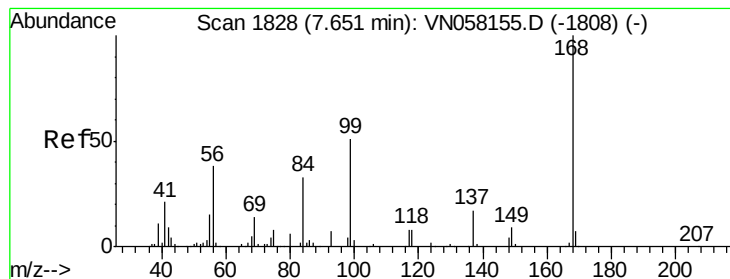
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	118438	19.822	ug/l	99
94) Hexachlorobutadiene	15.02	225	58617	20.297	ug/l	97
95) Naphthalene	15.13	128	325260	21.005	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	115603	20.470	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

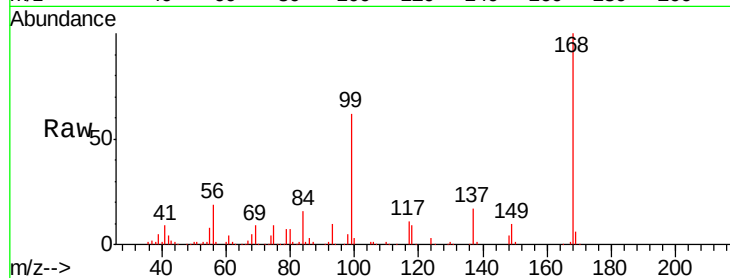
VN0920WBS02

Tgt Ion:168 Resp: 442231

Ion Ratio Lower Upper

168 100

99 61.3 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

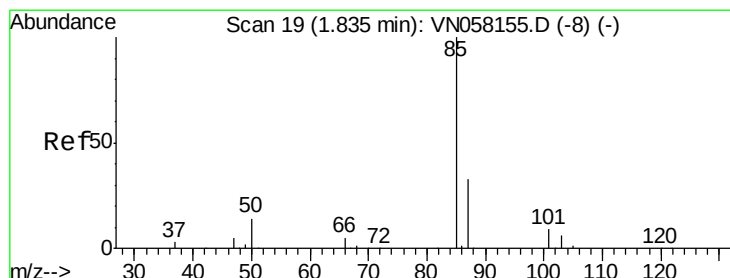
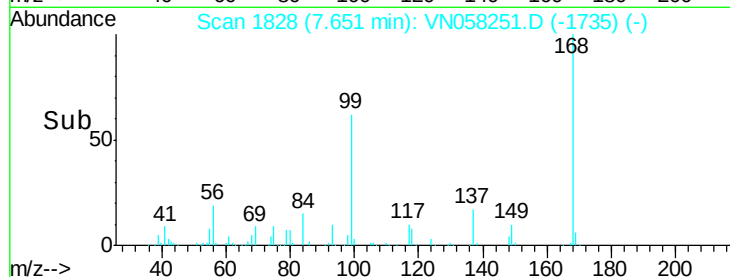
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.936 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058251.D

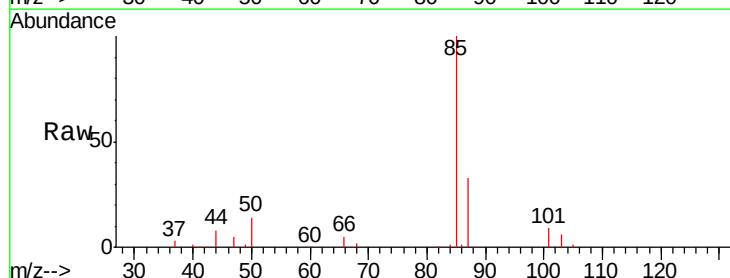
Acq: 20 Sep 2019 15:36

Tgt Ion: 85 Resp: 68793

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

30000

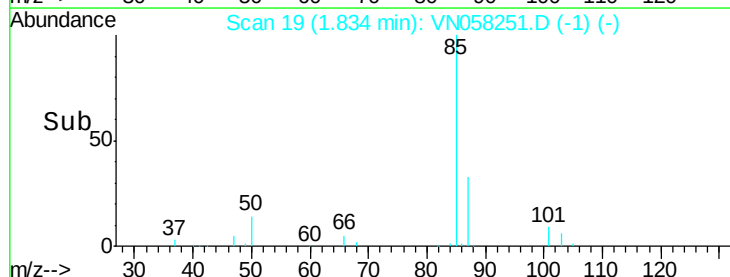
20000

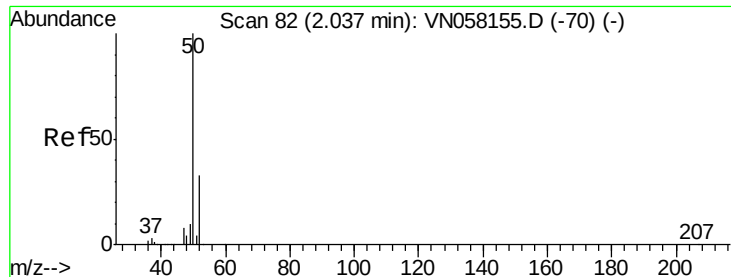
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.556 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

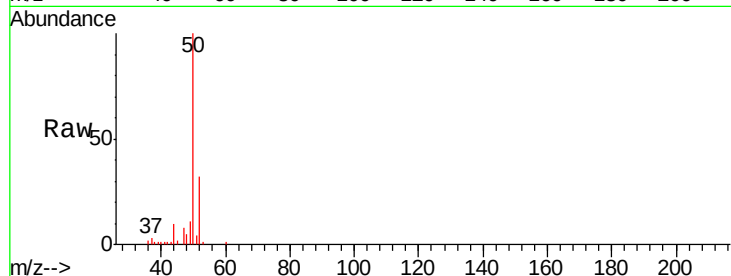
VN0920WBS02

Tgt Ion: 50 Resp: 59266

Ion Ratio Lower Upper

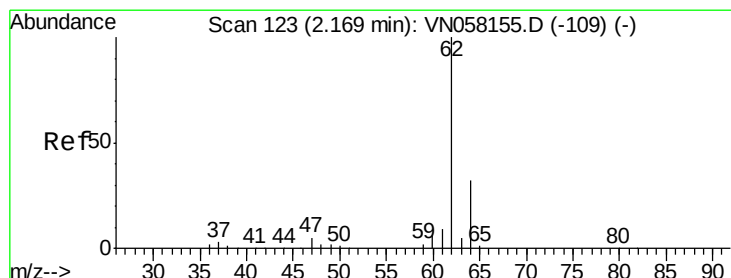
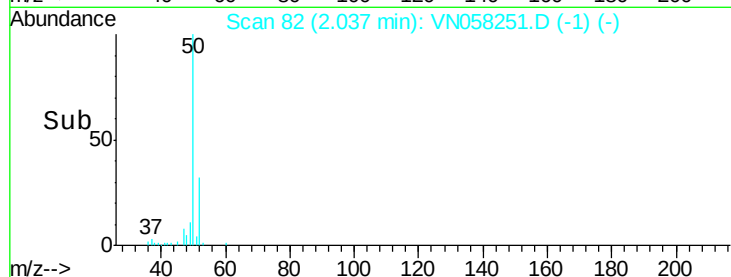
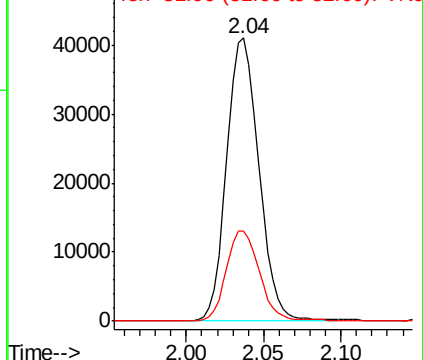
50 100

52 31.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.624 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058251.D

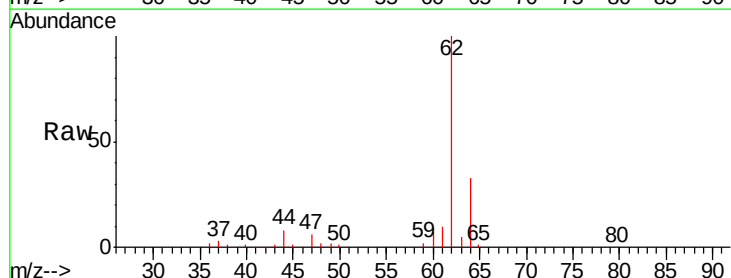
Acq: 20 Sep 2019 15:36

Tgt Ion: 62 Resp: 61777

Ion Ratio Lower Upper

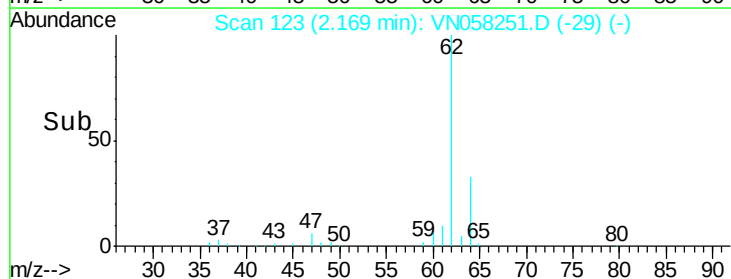
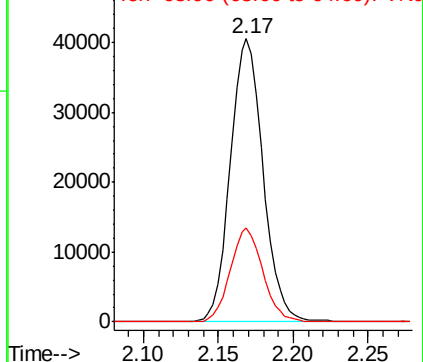
62 100

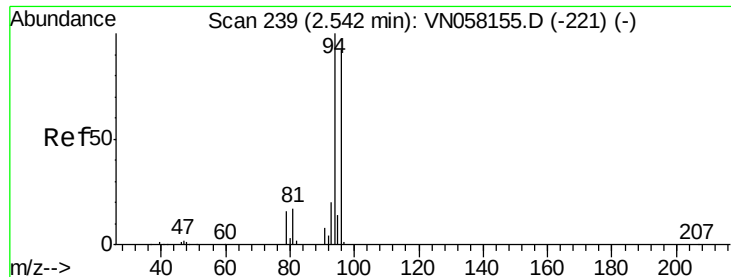
64 33.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.115 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

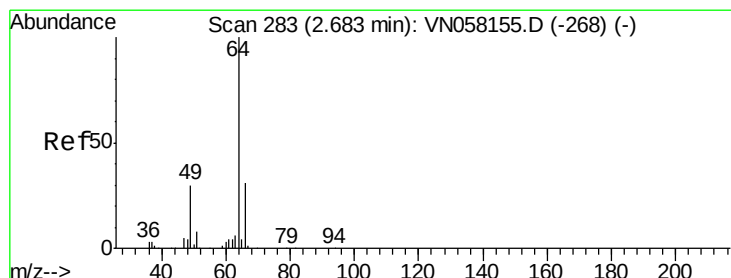
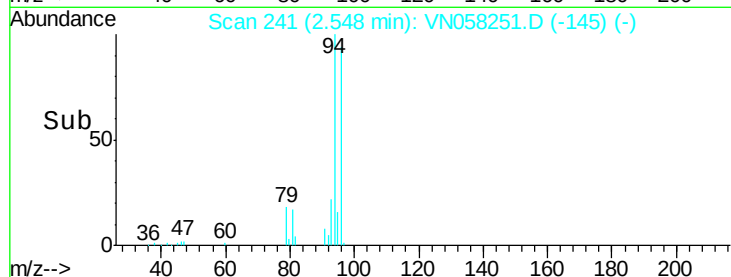
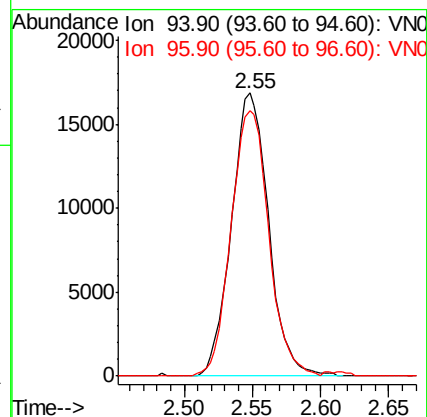
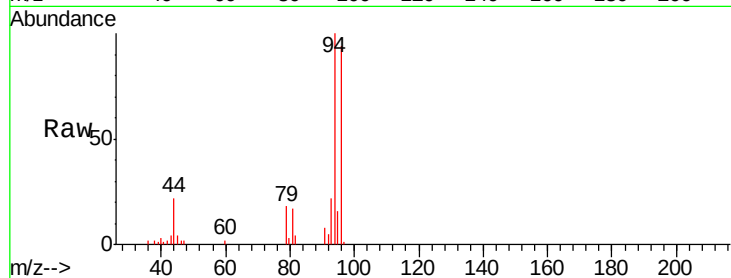
VN0920WBS02

Tgt Ion: 94 Resp: 31895

Ion Ratio Lower Upper

94 100

96 93.8 73.3 109.9



#6

Chloroethane

Concen: 21.180 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058251.D

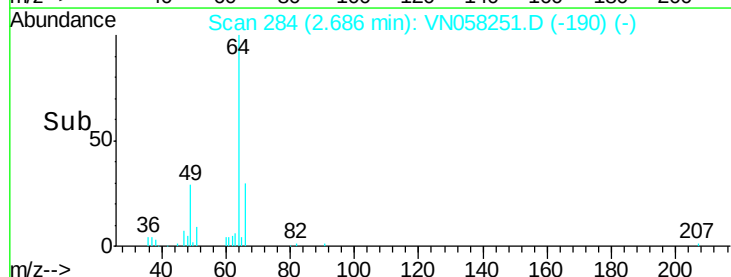
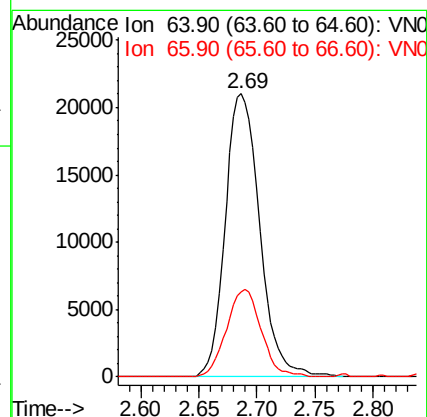
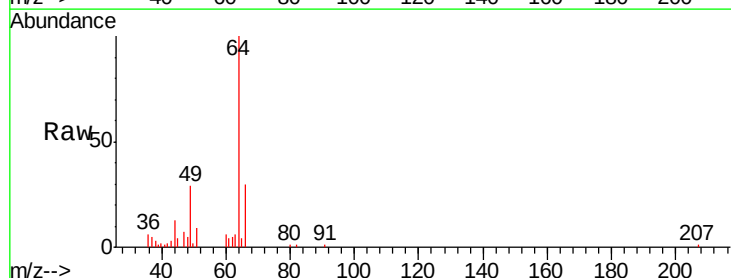
Acq: 20 Sep 2019 15:36

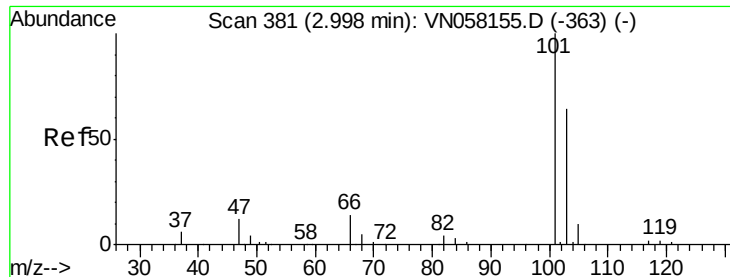
Tgt Ion: 64 Resp: 43525

Ion Ratio Lower Upper

64 100

66 30.2 24.6 37.0



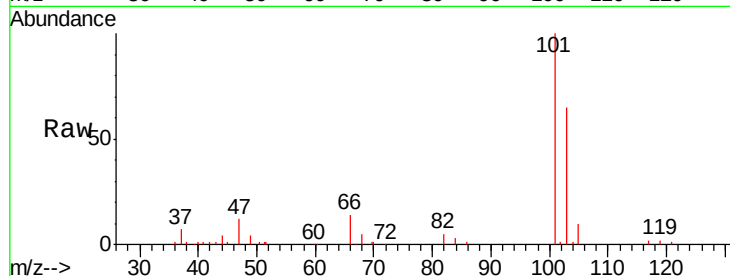


#7

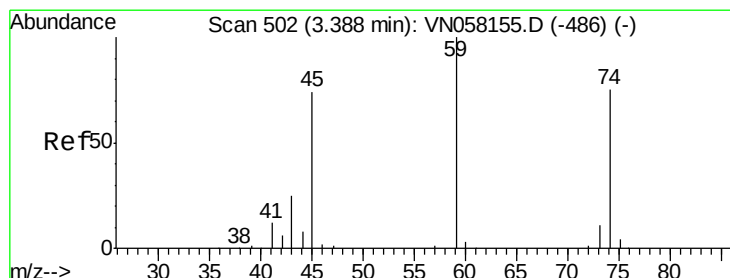
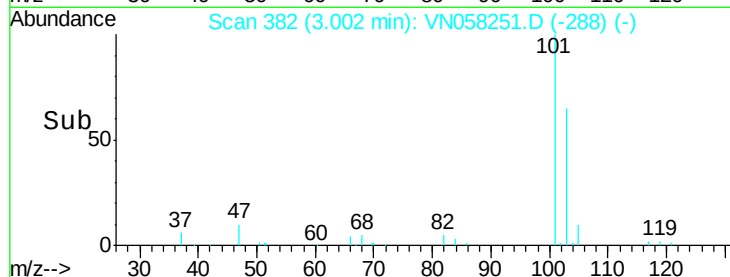
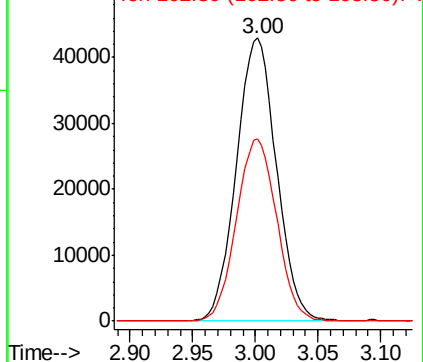
Trichlorofluoromethane
Concen: 19.266 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tgt Ion:101 Resp: 95532
Ion Ratio Lower Upper
101 100
103 64.6 51.0 76.6



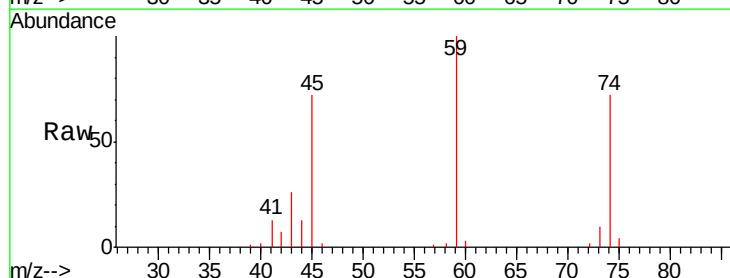
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



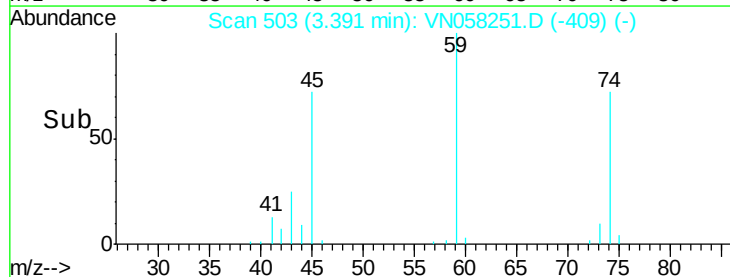
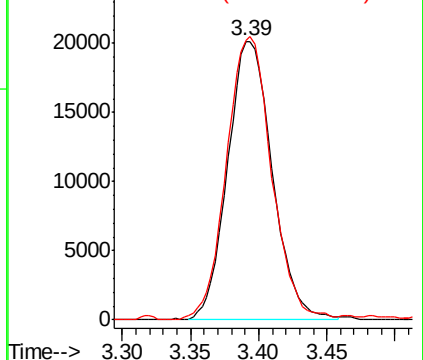
#8

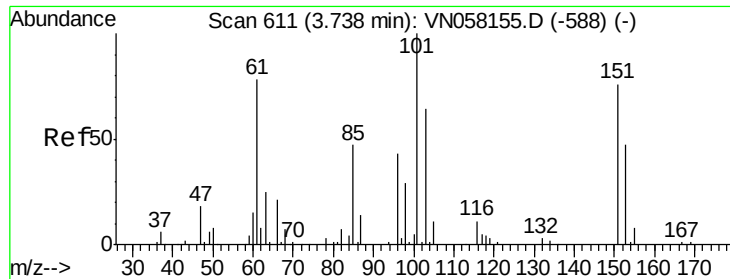
Diethyl Ether
Concen: 20.218 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 74 Resp: 45935
Ion Ratio Lower Upper
74 100
45 102.7 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO

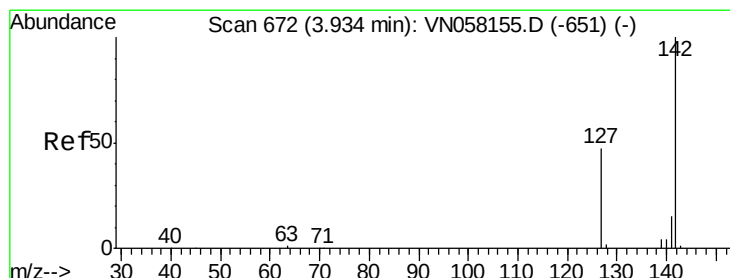
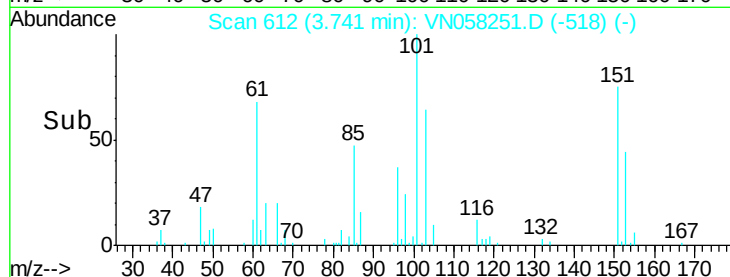
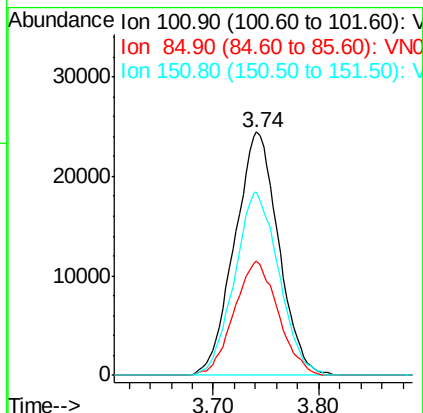
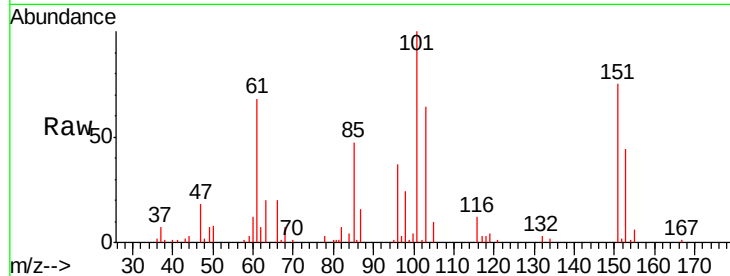




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.811 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN058251.D
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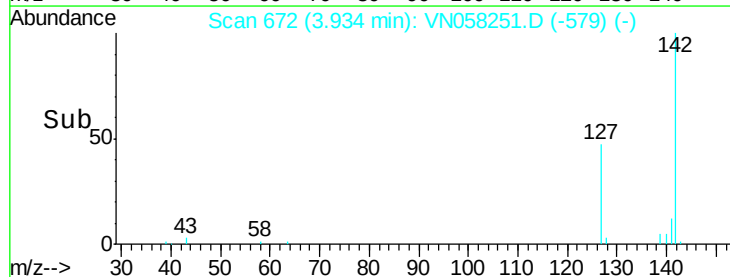
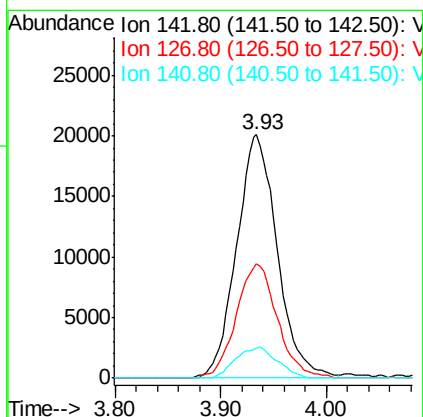
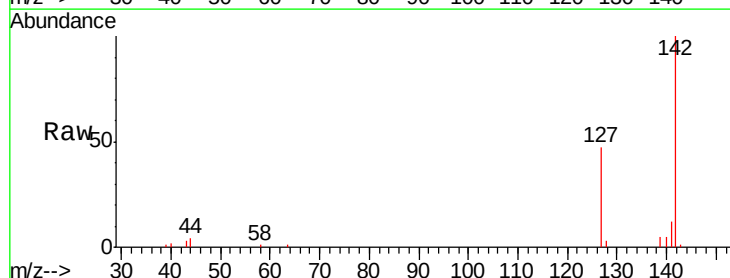
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

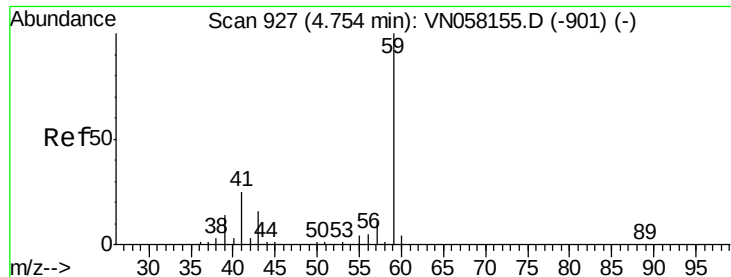
Tgt Ion:101 Resp: 70828
 Ion Ratio Lower Upper
 101 100
 85 47.0 37.3 55.9
 151 75.8 59.6 89.4



#10
 Methyl Iodide
 Concen: 17.990 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion:142 Resp: 53892
 Ion Ratio Lower Upper
 142 100
 127 47.2 37.5 56.3
 141 13.0 11.4 17.2

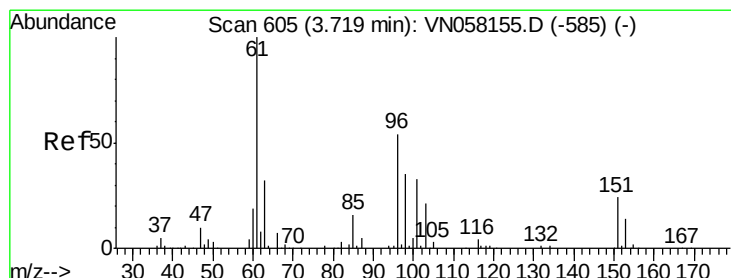
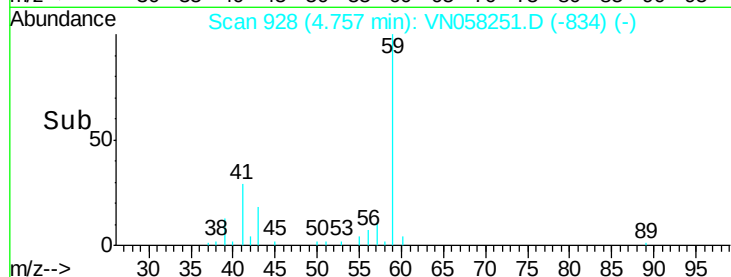
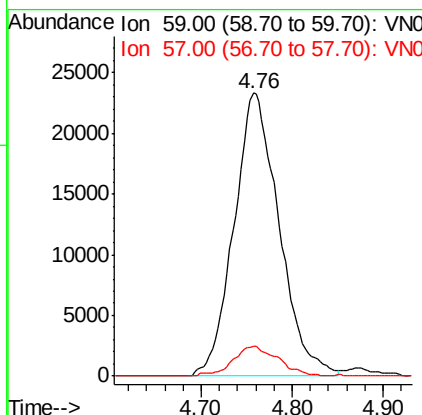
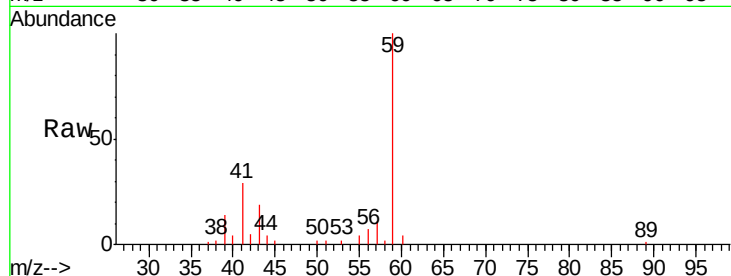




#11
Tert butyl alcohol
Concen: 109.669 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

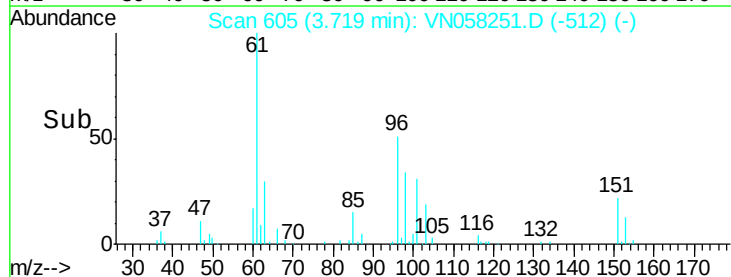
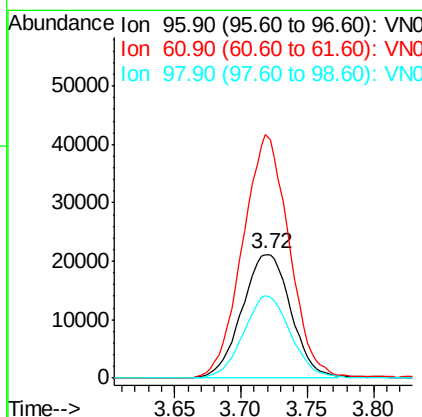
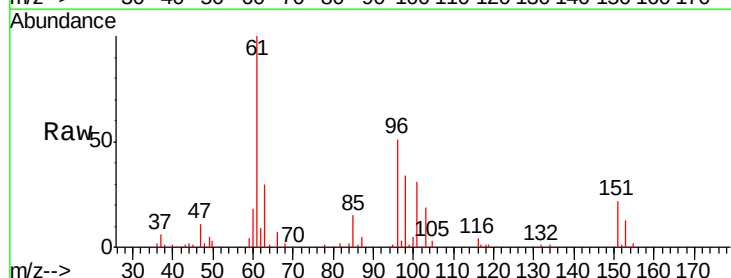
Instrument :
MSVOA_N
ClientSampled :
VN0920WBS02

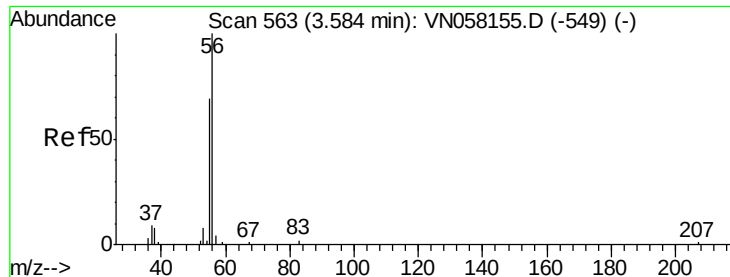
Tgt Ion: 59 Resp: 80352
Ion Ratio Lower Upper
59 100
57 10.6 8.6 13.0



#12
1,1-Dichloroethene
Concen: 19.835 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 96 Resp: 54398
Ion Ratio Lower Upper
96 100
61 196.6 149.5 224.3
98 66.1 52.4 78.6





#13

Acrolein

Concen: 103.647 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampled :

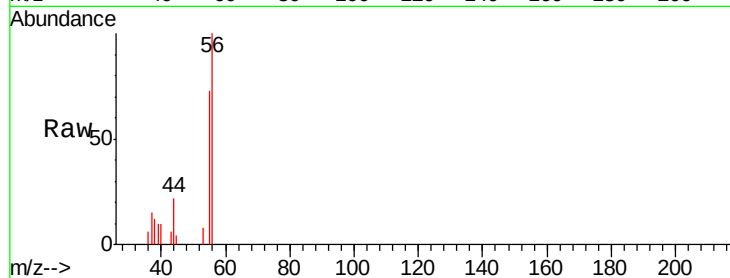
VN0920WBS02

Tgt Ion: 56 Resp: 11254

Ion Ratio Lower Upper

56 100

55 71.5 56.1 84.1

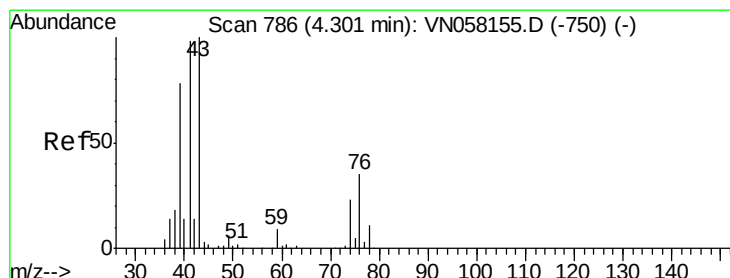
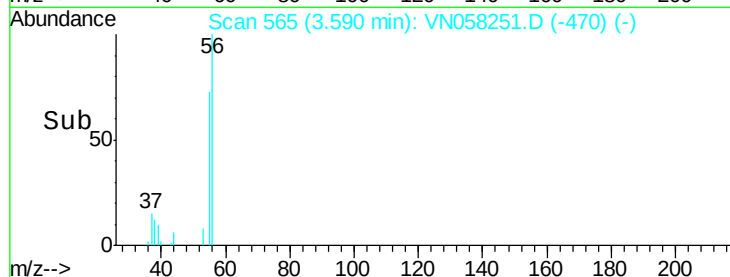


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

Time-->



#14

Allyl chloride

Concen: 19.437 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

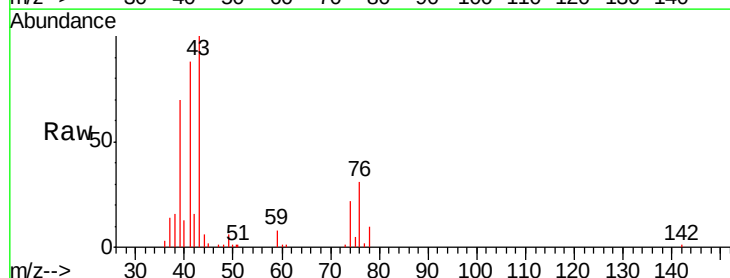
Tgt Ion: 41 Resp: 113710

Ion Ratio Lower Upper

41 100

39 71.9 59.1 88.7

76 30.4 25.1 37.7



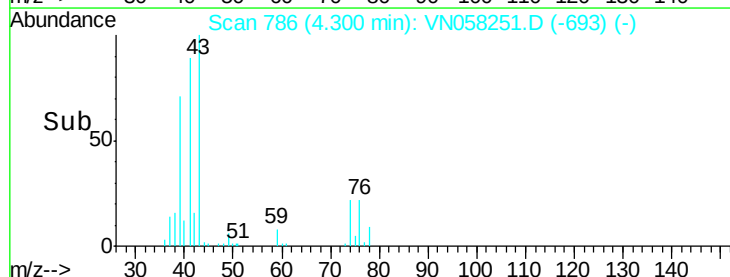
Abundance Ion 41.00 (40.70 to 41.70): VN0

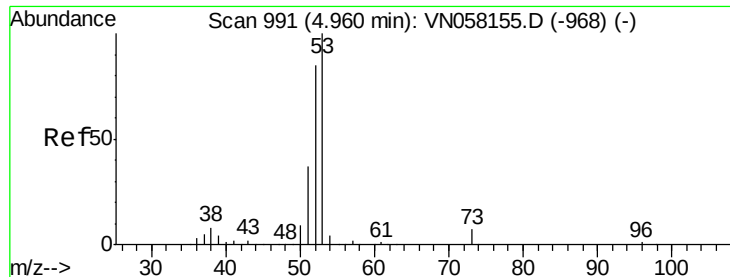
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.30

Time-->





#15

Acrylonitrile

Concen: 111.213 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

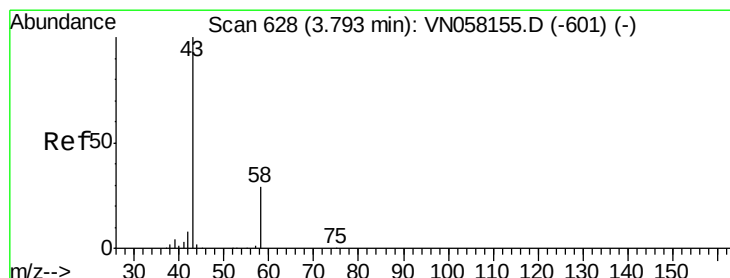
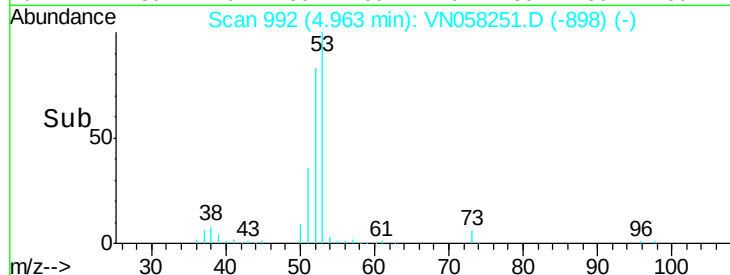
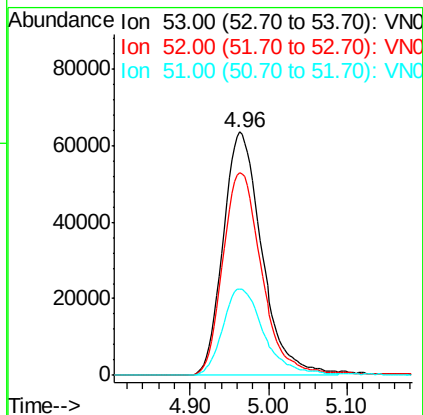
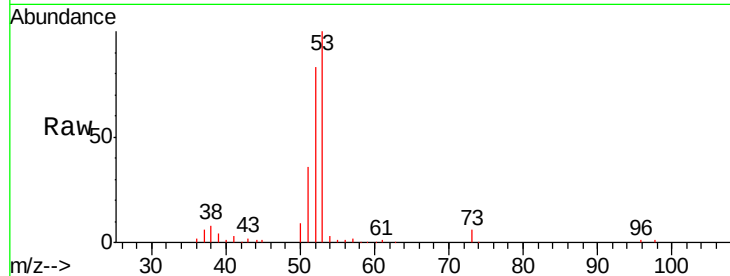
Tgt Ion: 53 Resp: 217094

Ion Ratio Lower Upper

53 100

52 83.3 66.6 100.0

51 37.7 29.7 44.5



#16

Acetone

Concen: 105.152 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058251.D

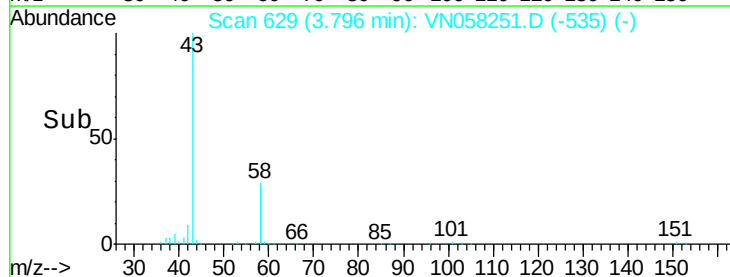
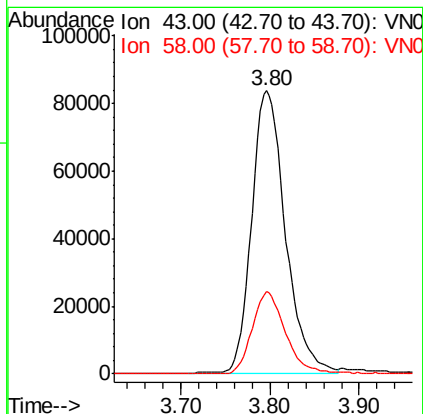
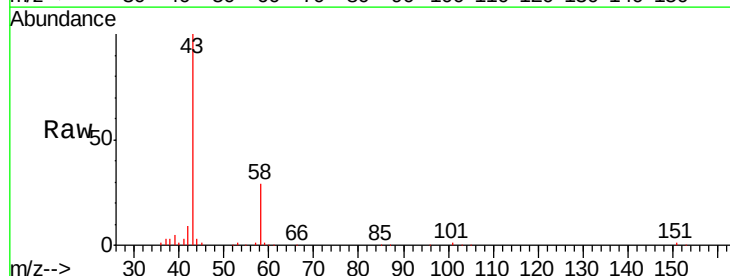
Acq: 20 Sep 2019 15:36

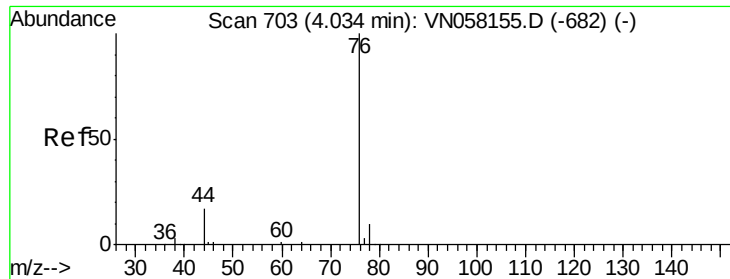
Tgt Ion: 43 Resp: 219847

Ion Ratio Lower Upper

43 100

58 29.1 23.4 35.2

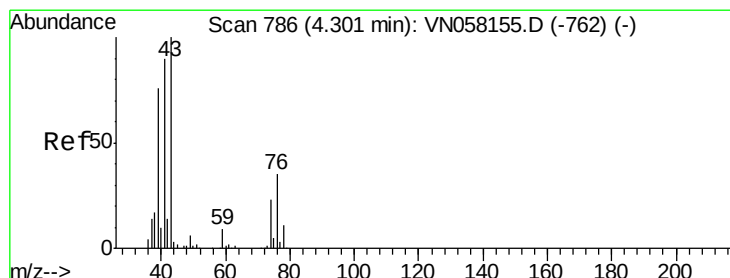
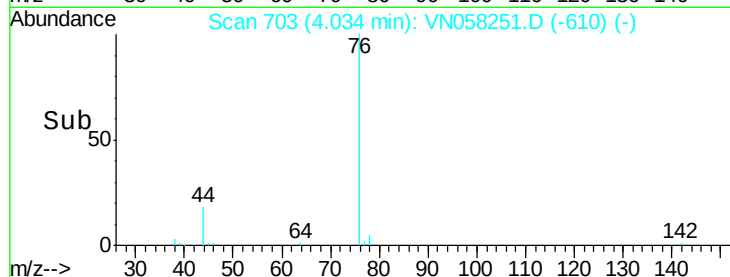
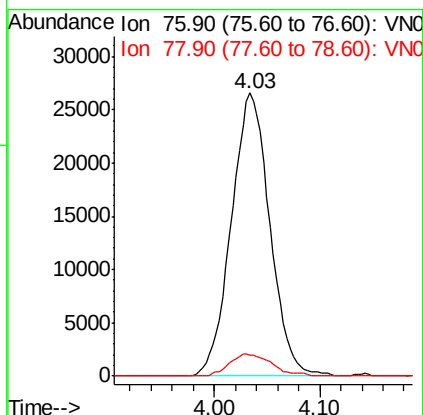
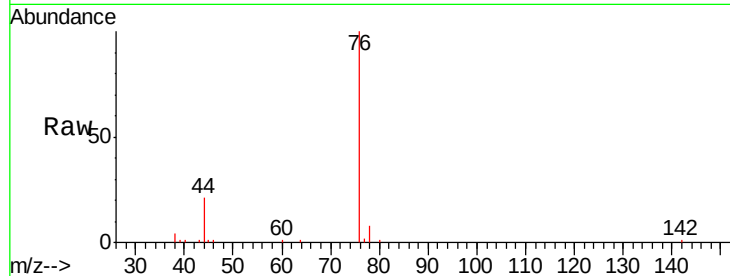




#17
Carbon Disulfide
Concen: 17.799 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

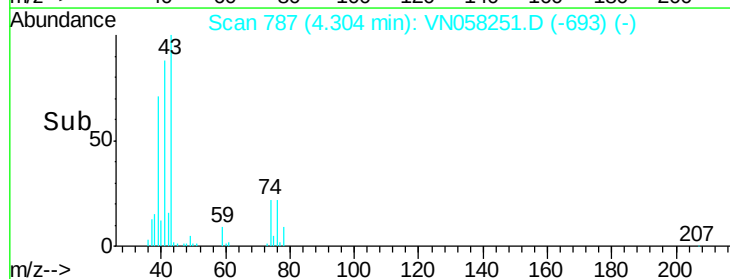
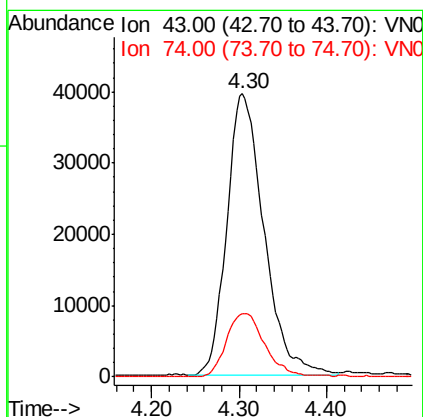
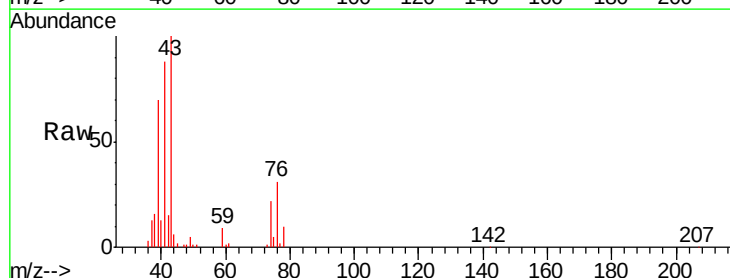
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

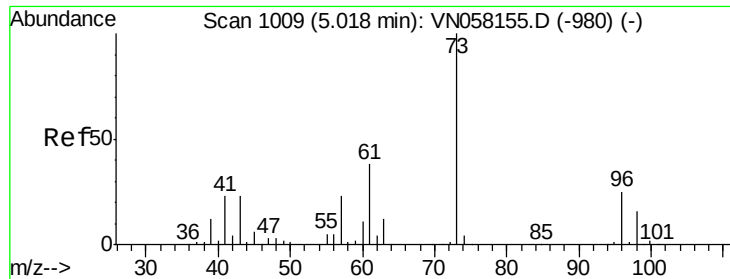
Tgt Ion: 76 Resp: 67304
Ion Ratio Lower Upper
76 100
78 7.6 7.7 11.5#



#18
Methyl Acetate
Concen: 21.261 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 43 Resp: 116965
Ion Ratio Lower Upper
43 100
74 23.1 18.0 27.0

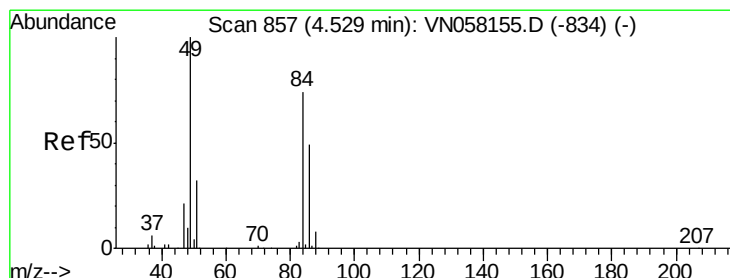
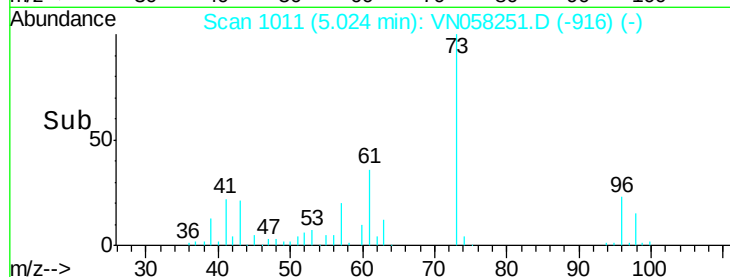
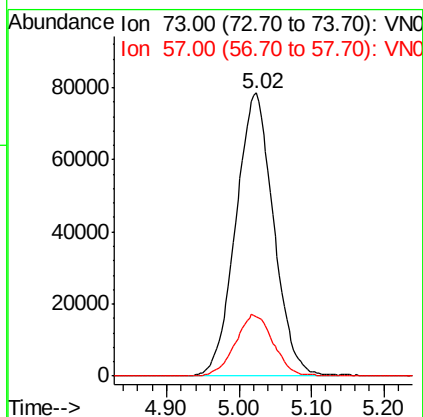
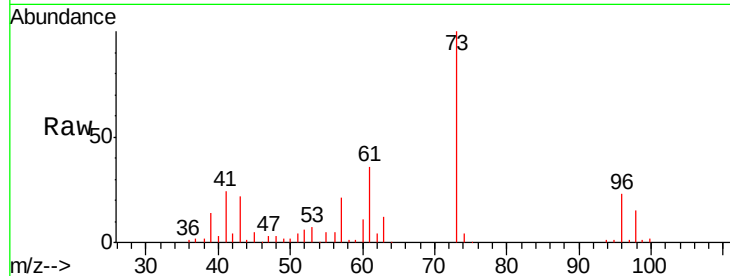




#19
Methyl tert-butyl Ether
Concen: 21.072 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

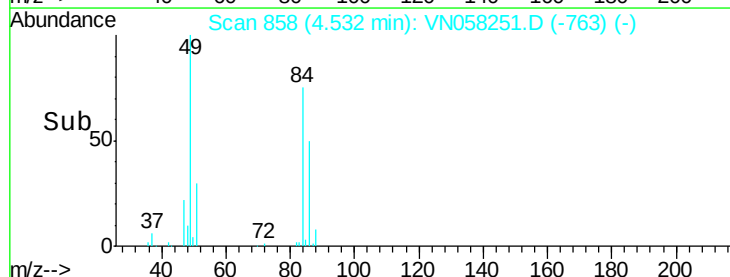
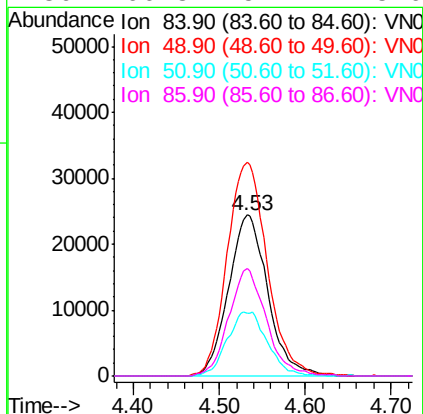
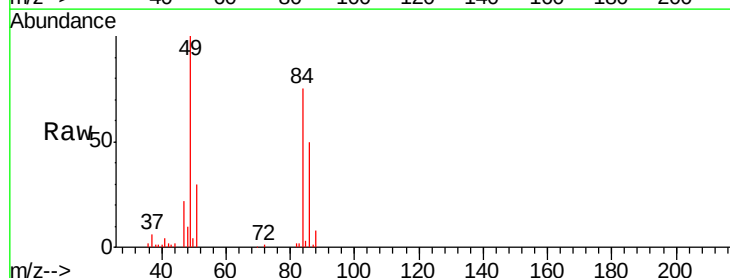
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

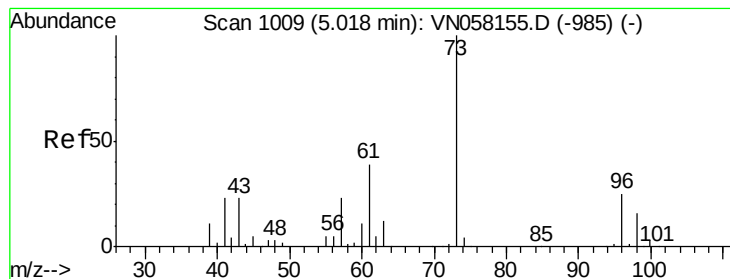
Tgt Ion: 73 Resp: 284136
Ion Ratio Lower Upper
73 100
57 21.0 18.1 27.1



#20
Methylene Chloride
Concen: 20.970 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 84 Resp: 77231
Ion Ratio Lower Upper
84 100
49 132.9 107.5 161.3
51 39.3 33.9 50.9
86 66.8 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 20.134 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

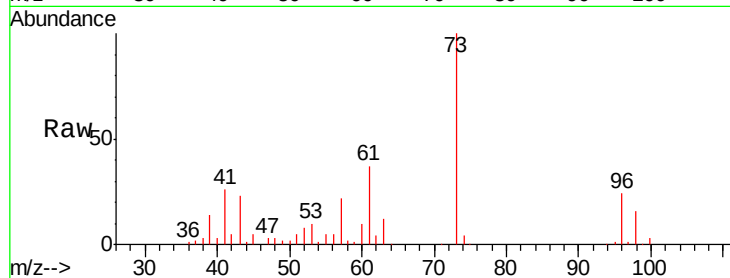
Tgt Ion: 96 Resp: 60238

Ion Ratio Lower Upper

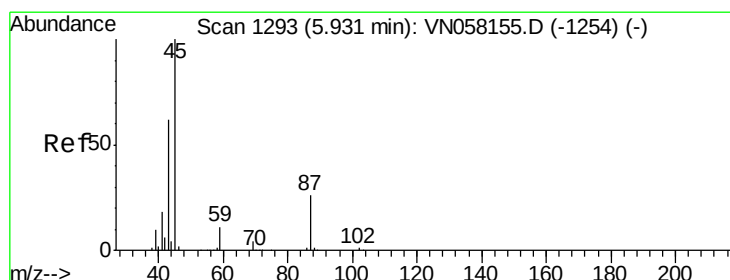
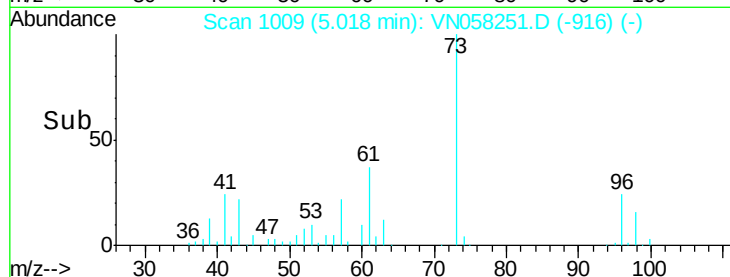
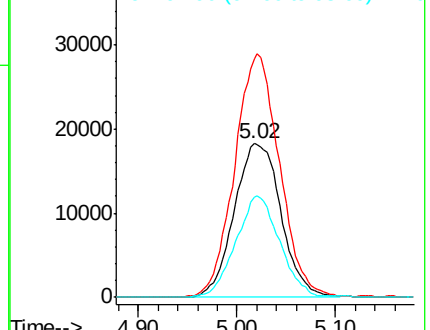
96 100

61 154.3 122.2 183.4

98 65.4 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.652 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Tgt Ion: 45 Resp: 306889

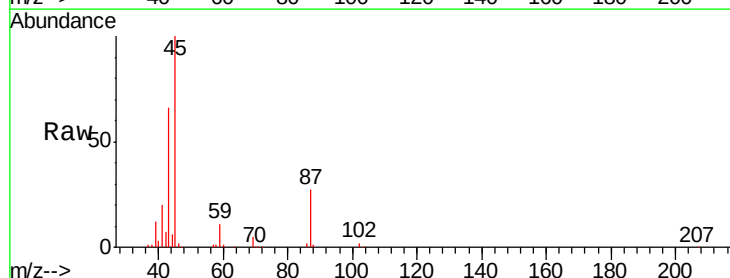
Ion Ratio Lower Upper

45 100

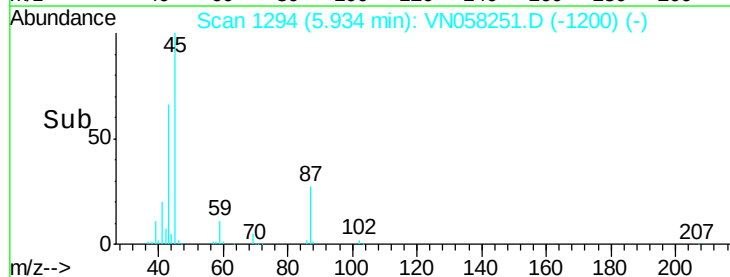
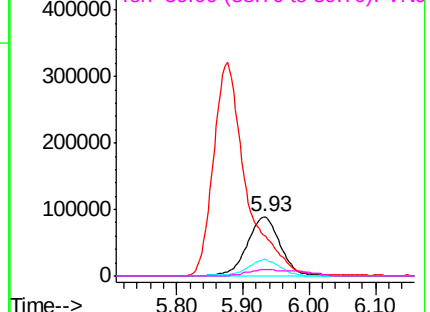
43 64.6 49.7 74.5

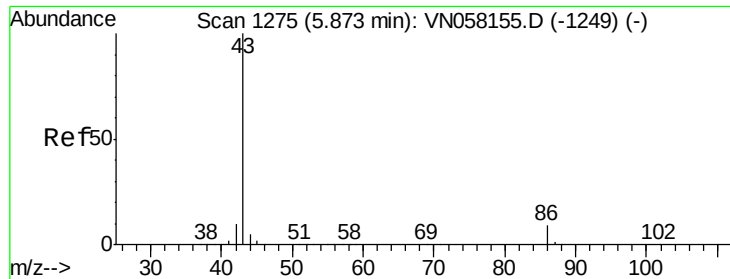
87 26.9 20.7 31.1

59 10.9 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

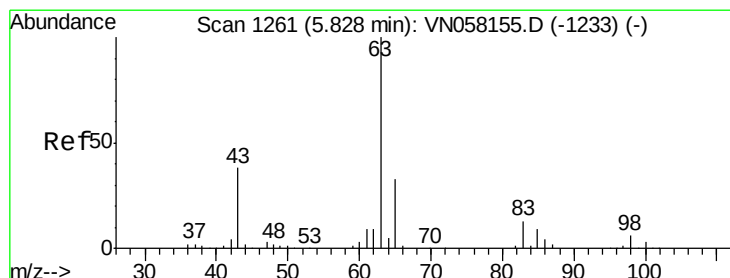
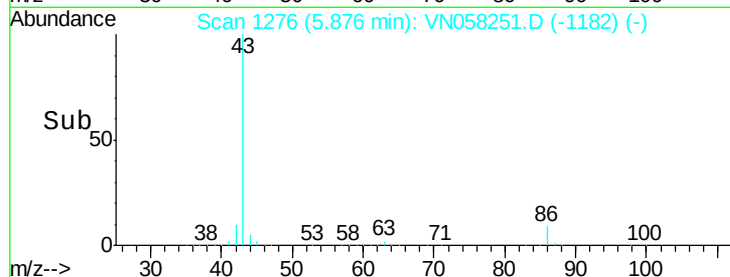
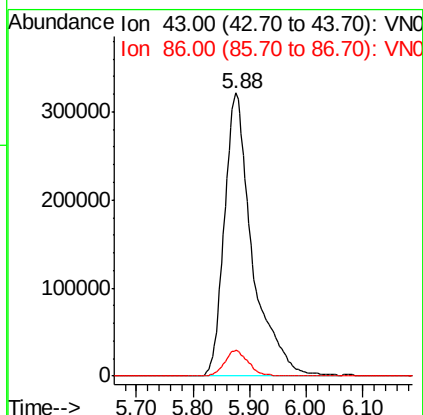
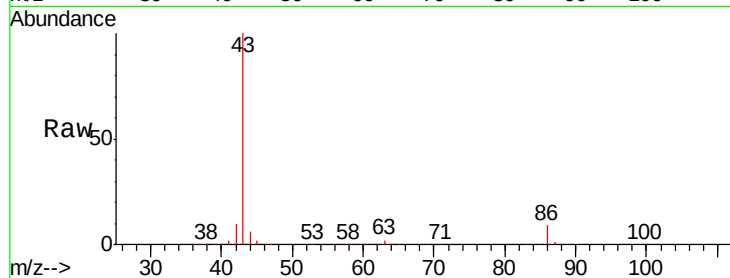




#23
 Vinyl Acetate
 Concen: 108.424 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

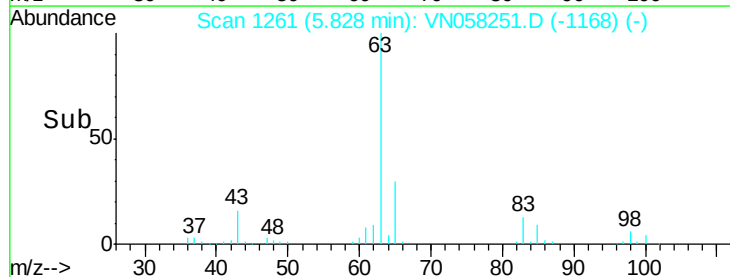
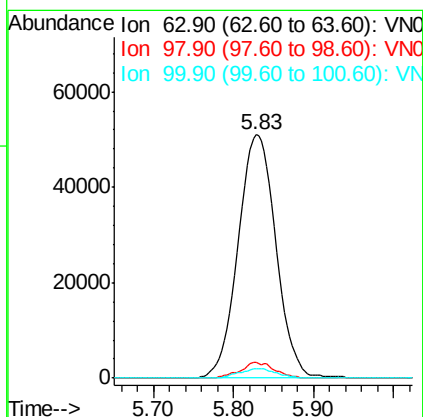
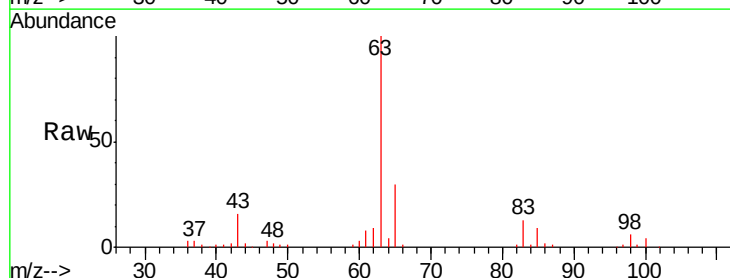
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

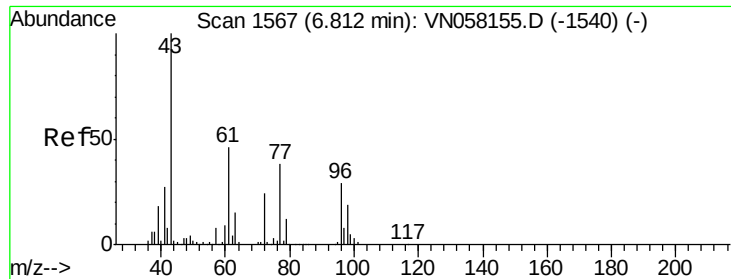
Tgt Ion: 43 Resp: 1102494
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 20.596 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion: 63 Resp: 163351
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.6
 100 3.8 1.8 5.3

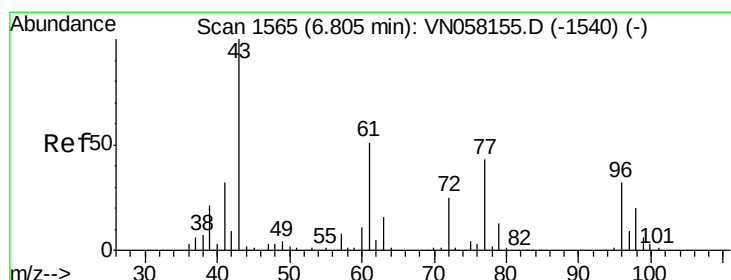
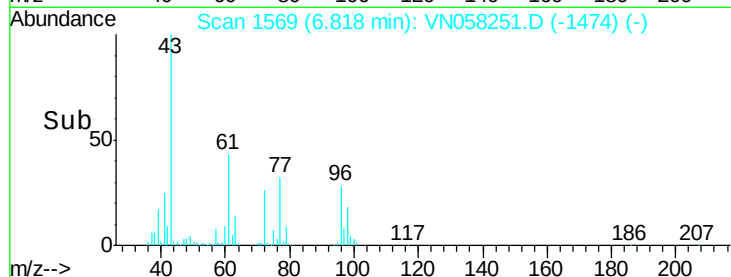
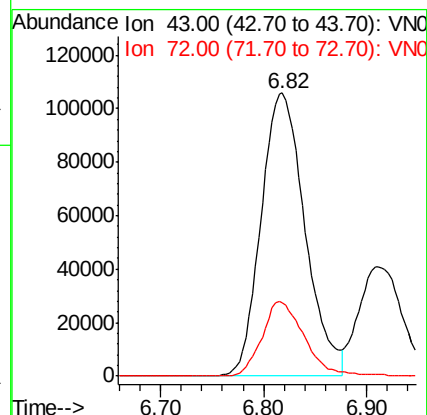
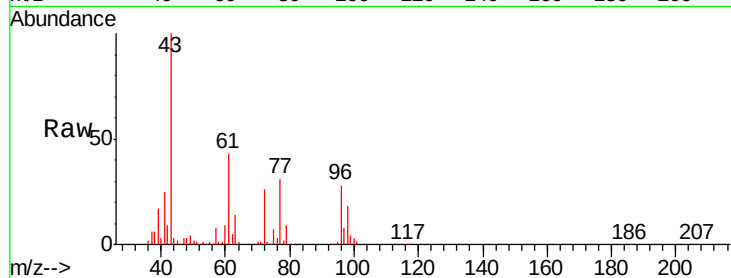




#25
 2-Butanone
 Concen: 109.385 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

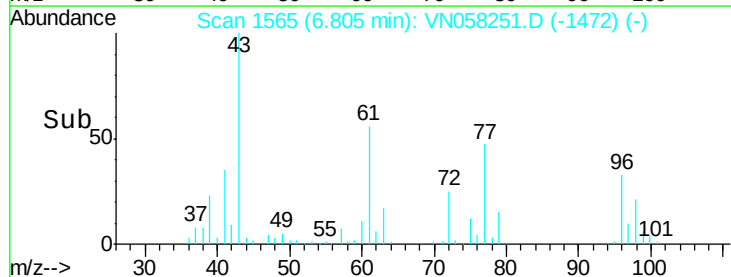
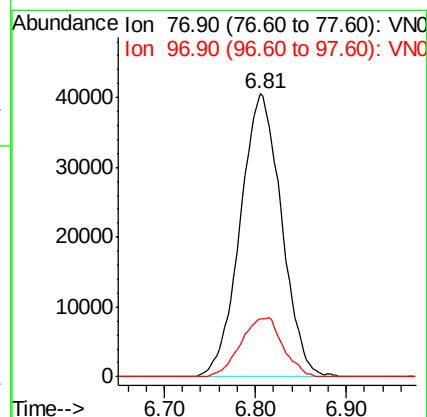
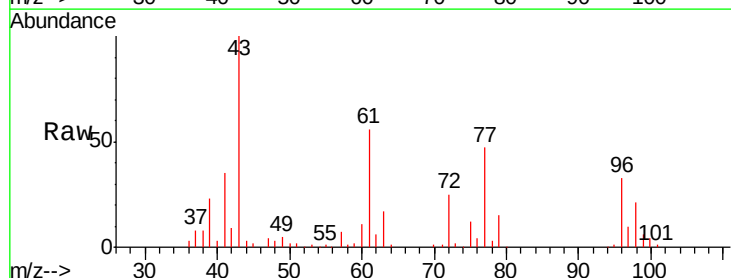
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

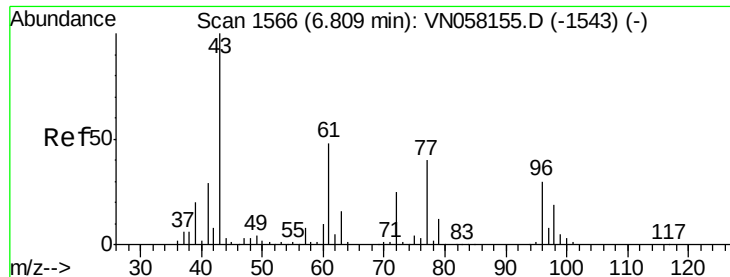
Tgt Ion: 43 Resp: 311573
 Ion Ratio Lower Upper
 43 100
 72 25.9 19.5 29.3



#26
 2,2-Dichloropropane
 Concen: 19.023 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion: 77 Resp: 128001
 Ion Ratio Lower Upper
 77 100
 97 21.3 10.5 31.6

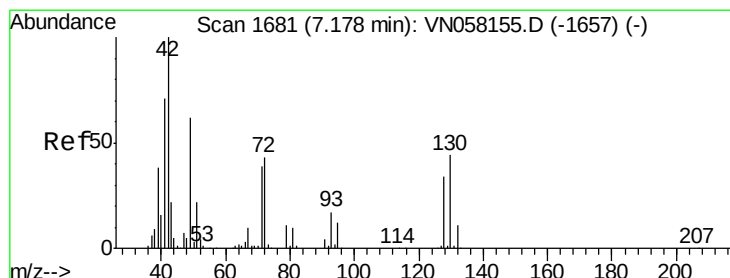
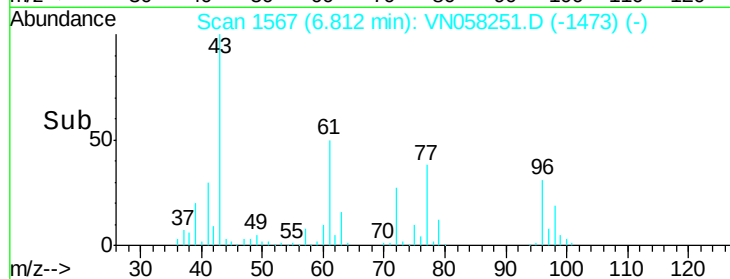
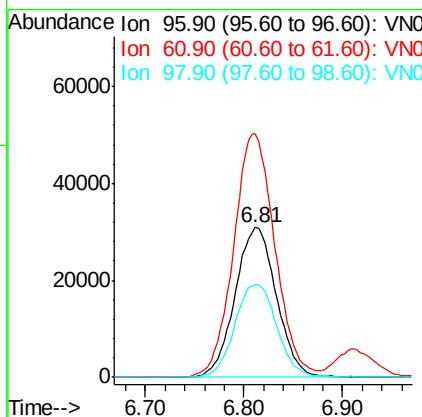
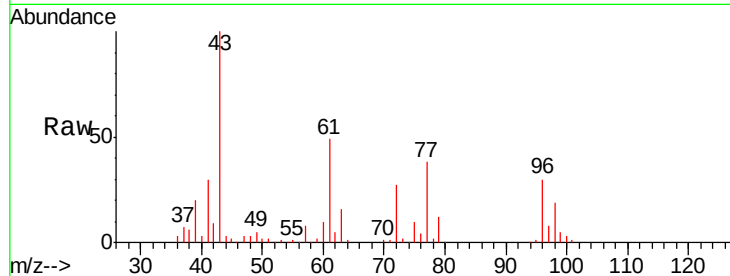




#27
 cis-1,2-Dichloroethene
 Concen: 20.064 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

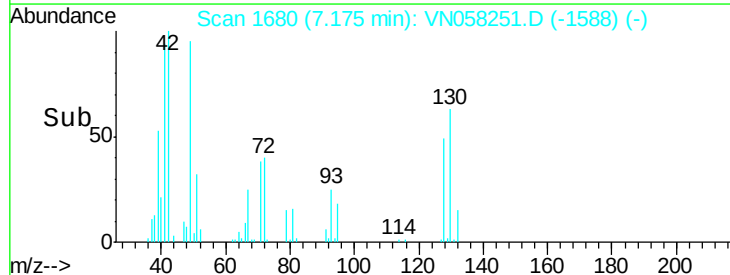
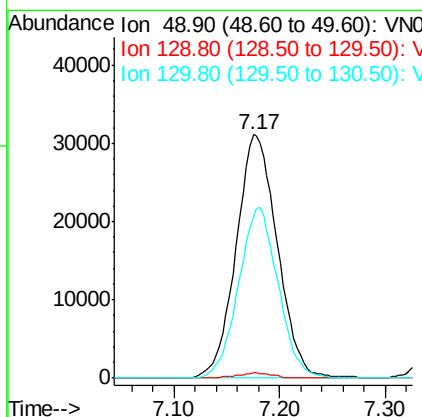
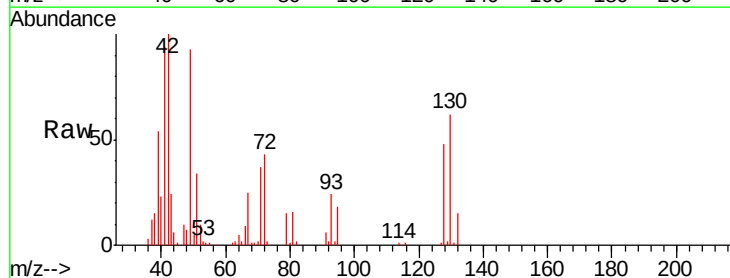
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

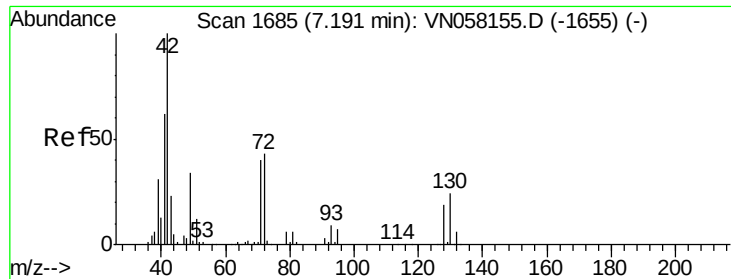
Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	0.0	319.0
98	63.3	0.0	126.6



#28
 Bromochloromethane
 Concen: 22.469 ug/l
 RT: 7.17 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	1.8
130	67.3	55.4	83.2

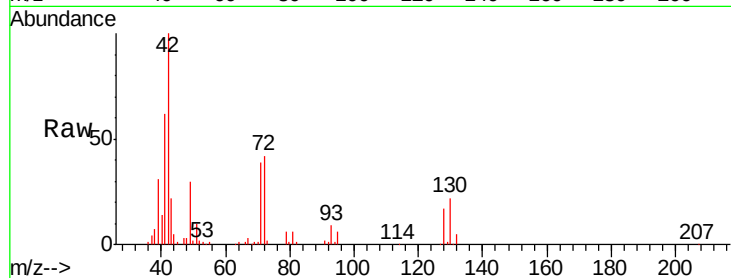




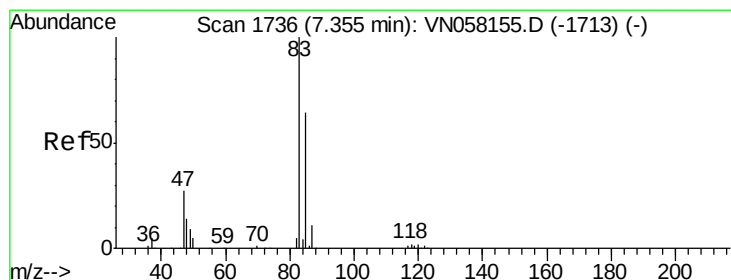
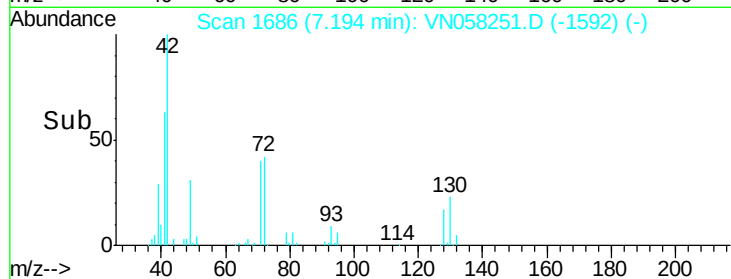
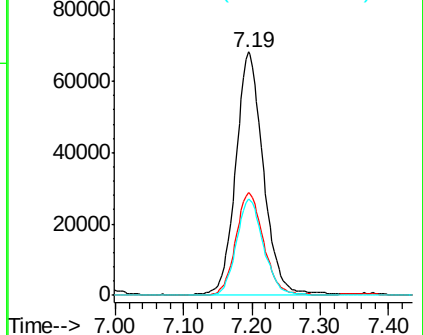
#29
Tetrahydrofuran
Concen: 109.474 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tgt Ion: 42 Resp: 192076
Ion Ratio Lower Upper
42 100
72 42.0 33.8 50.6
71 38.6 31.4 47.0

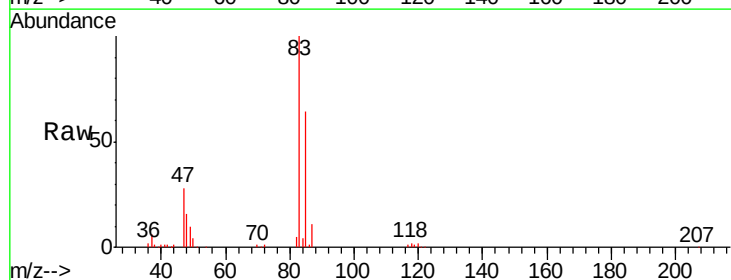


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

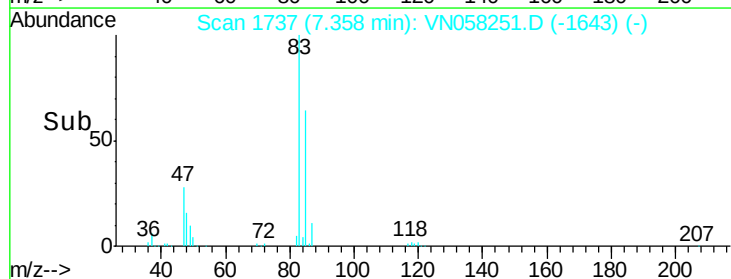
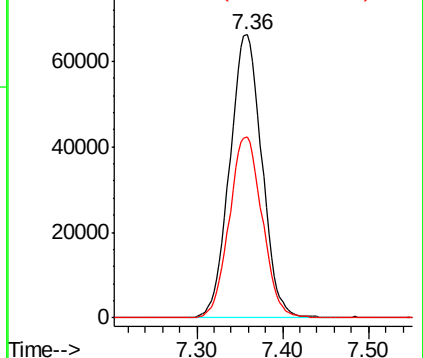


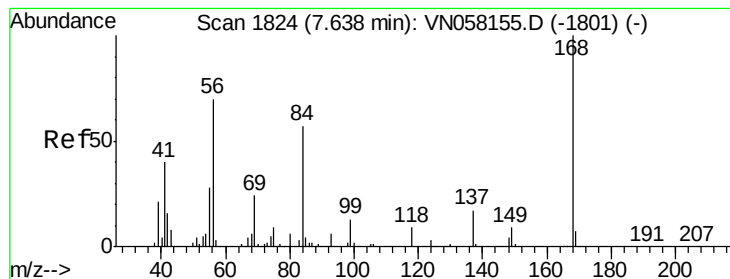
#30
Chloroform
Concen: 20.156 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 83 Resp: 172075
Ion Ratio Lower Upper
83 100
85 63.8 51.4 77.2



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





#31

Cyclohexane

Concen: 19.745 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

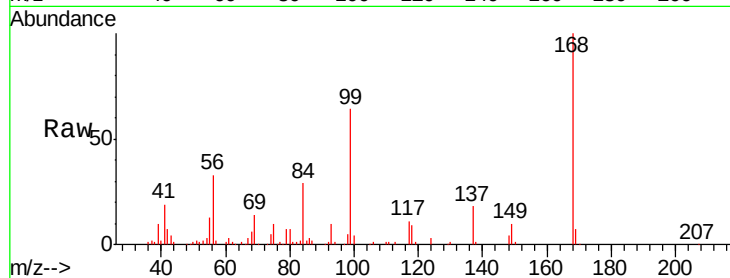
Tgt Ion: 56 Resp: 108716

Ion Ratio Lower Upper

56 100

69 41.4 27.3 40.9#

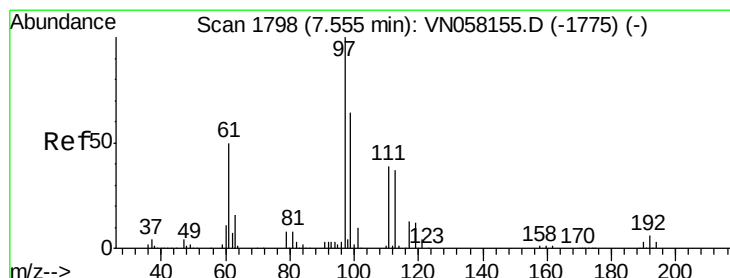
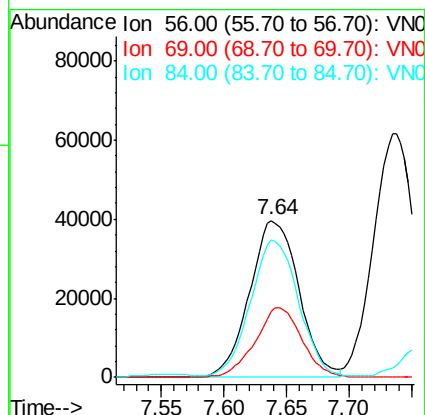
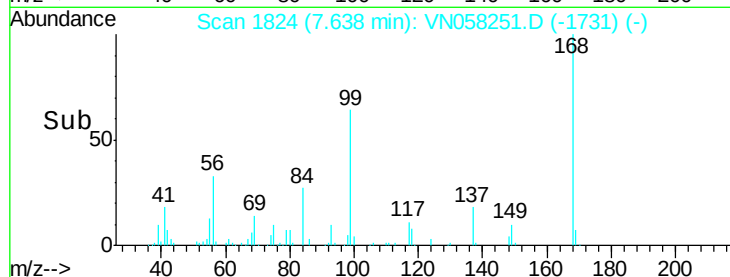
84 85.8 65.0 97.4



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



#32

1,1,1-Trichloroethane

Concen: 20.324 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

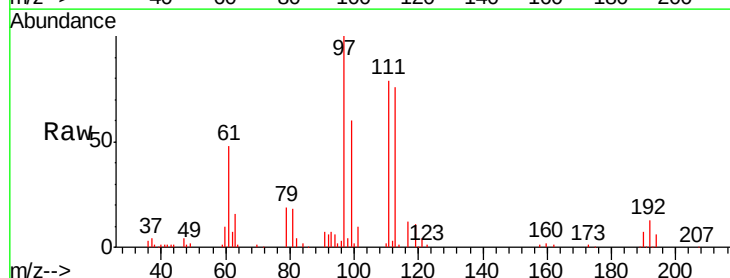
Tgt Ion: 97 Resp: 132093

Ion Ratio Lower Upper

97 100

99 63.3 50.9 76.3

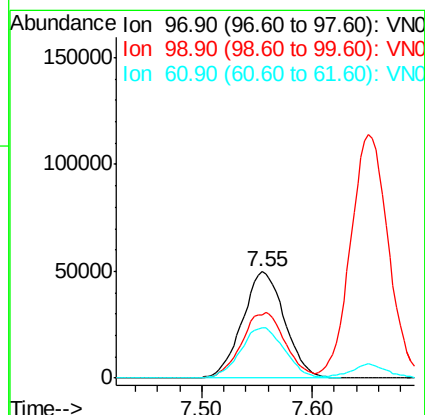
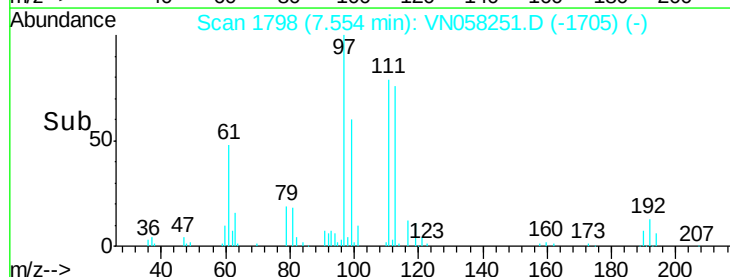
61 49.6 39.2 58.8

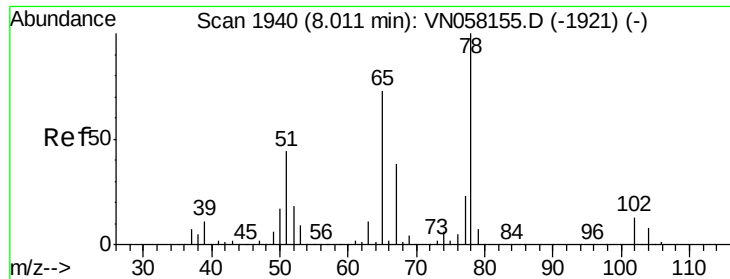


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

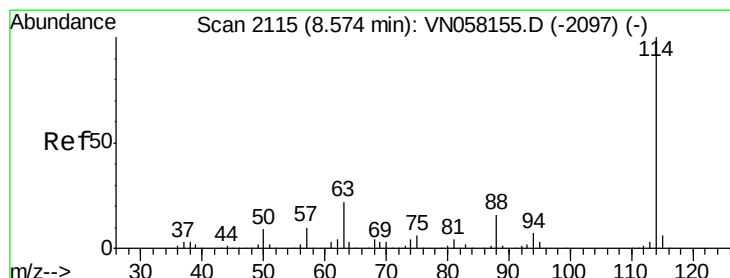
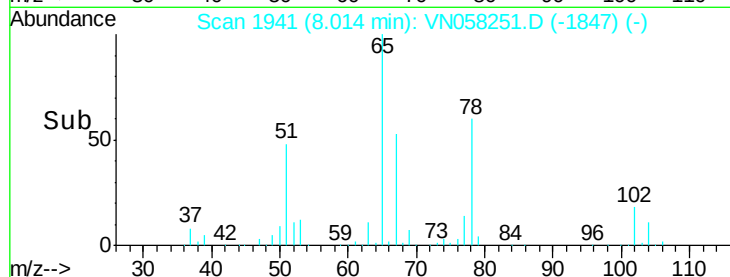
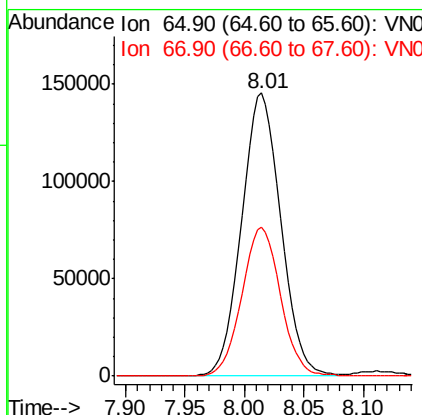
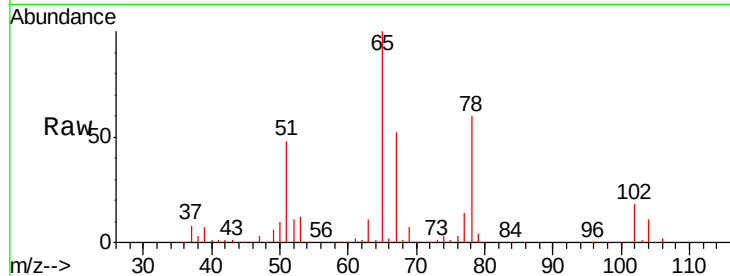




#33
 1,2-Dichloroethane-d4
 Concen: 54.050 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

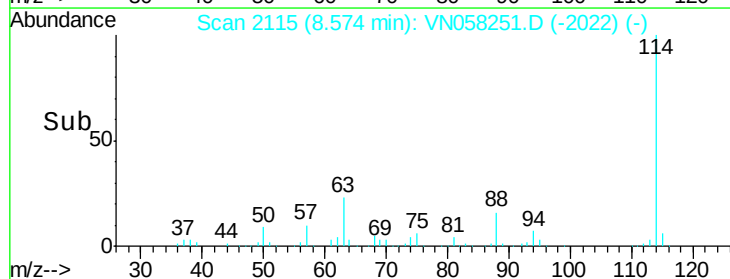
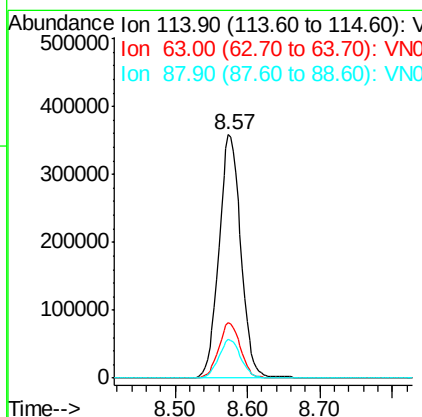
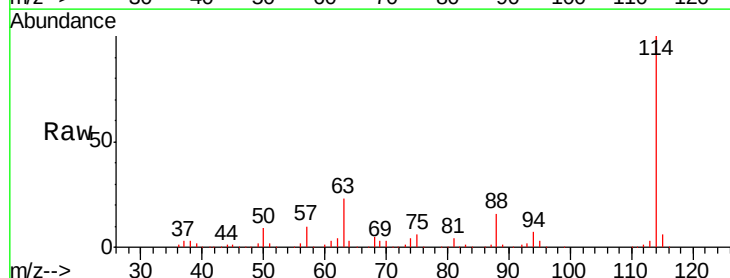
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

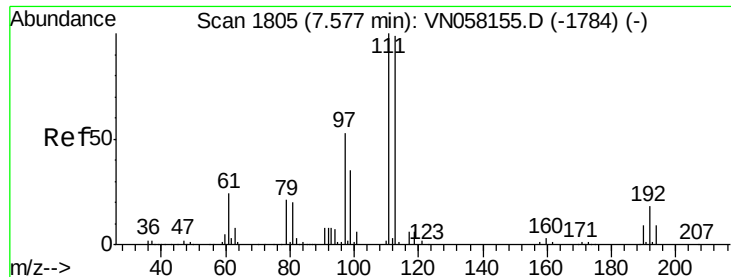
Tgt Ion: 65 Resp: 332917
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion: 114 Resp: 749567
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.2
 88 15.8 0.0 31.6

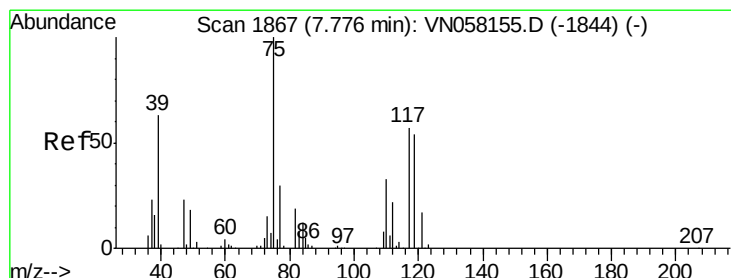
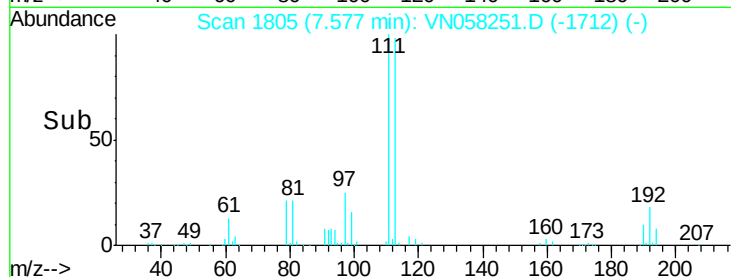
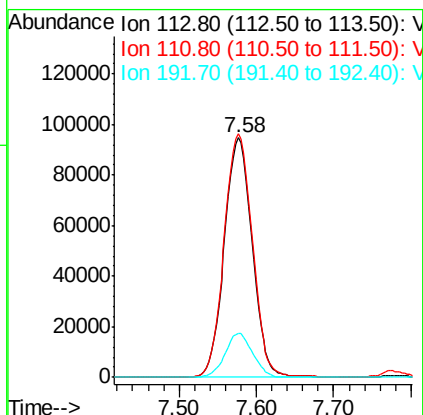
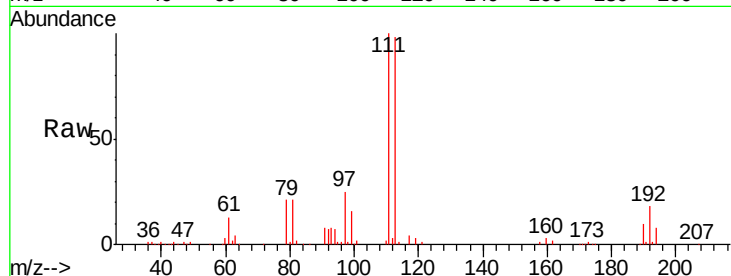




#35
 Dibromofluoromethane
 Concen: 52.158 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

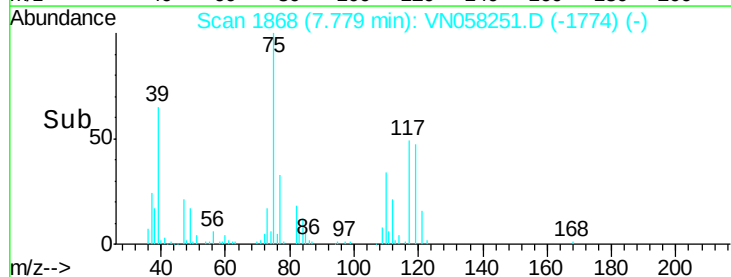
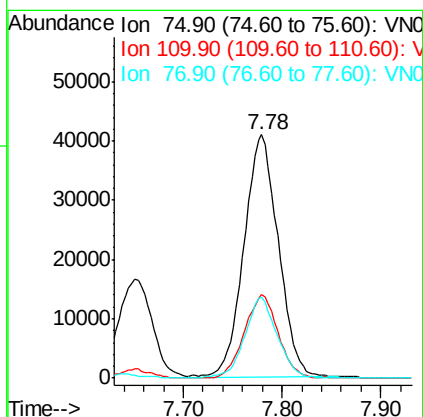
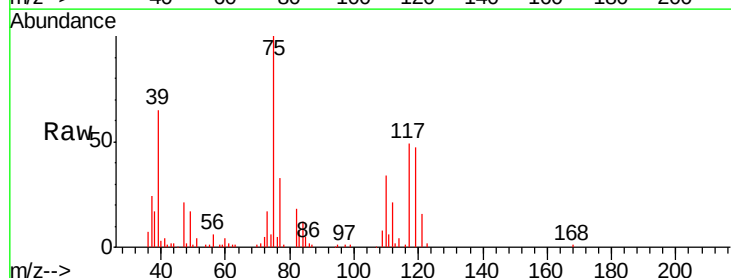
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

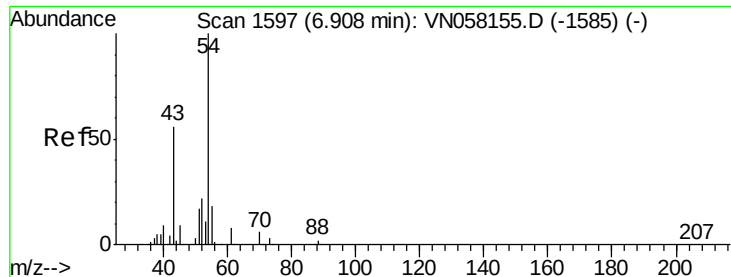
Tgt Ion: 113 Resp: 237670
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.8 122.6
 192 18.0 14.5 21.7



#36
 1,1-Dichloropropene
 Concen: 18.168 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion: 75 Resp: 98206
 Ion Ratio Lower Upper
 75 100
 110 33.7 16.6 49.7
 77 31.6 24.3 36.5

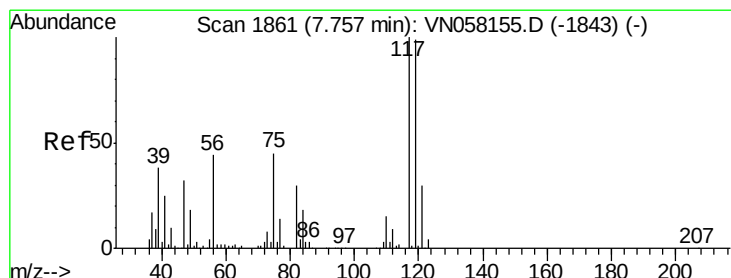
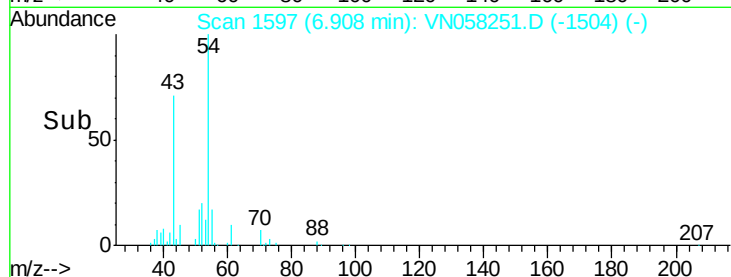
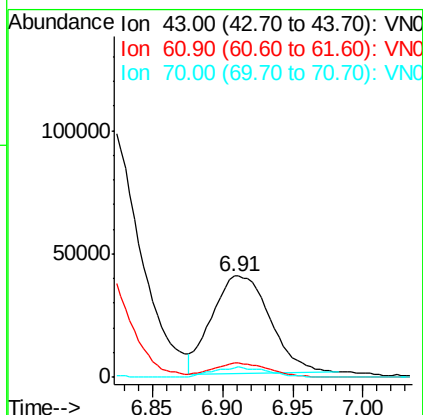
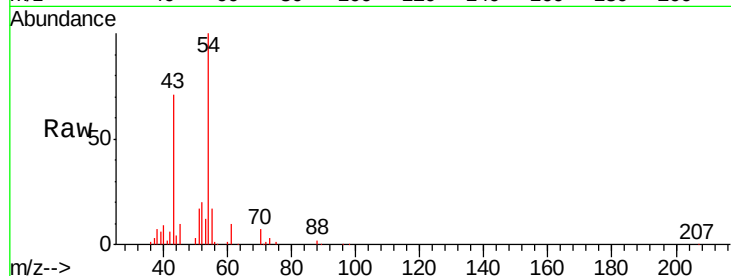




#37
Ethyl Acetate
Concen: 20.332 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

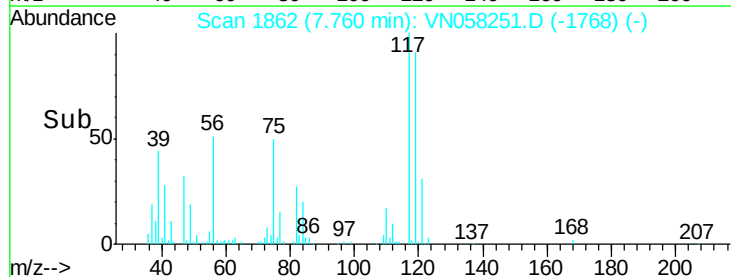
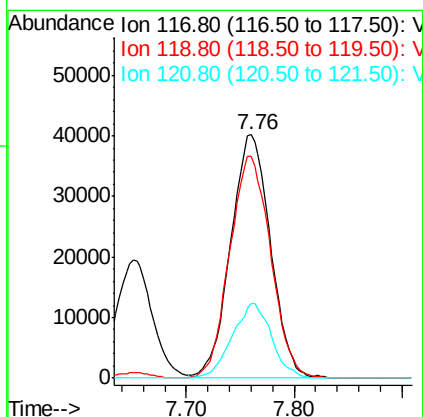
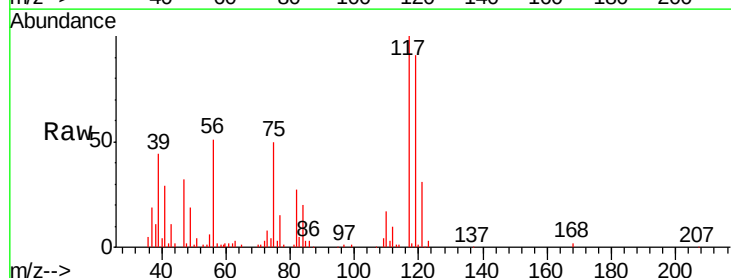
Instrument :
MSVOA_N
ClientSampled :
VN0920WBS02

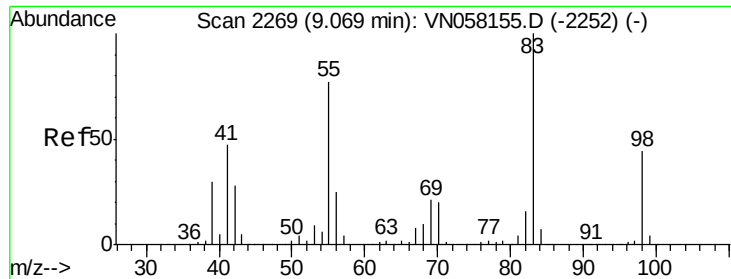
Tgt Ion: 43 Resp: 114054
Ion Ratio Lower Upper
43 100
61 13.1 10.7 16.1
70 10.0 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.018 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 117 Resp: 103340
Ion Ratio Lower Upper
117 100
119 91.0 78.6 117.8
121 30.9 24.1 36.1

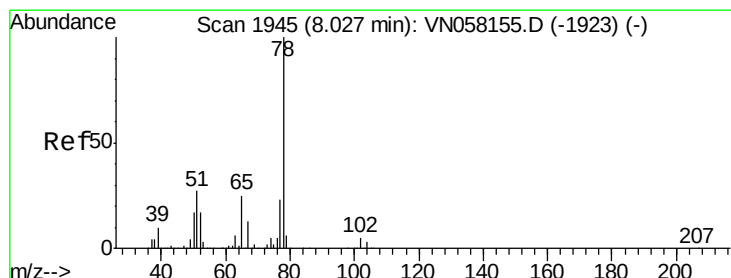
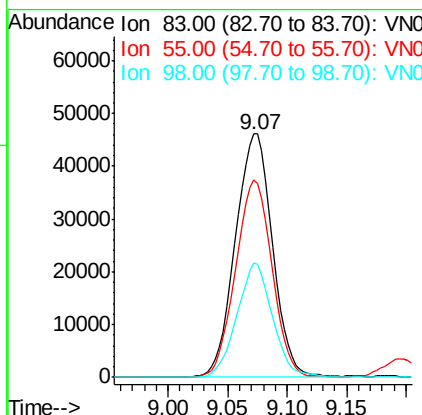
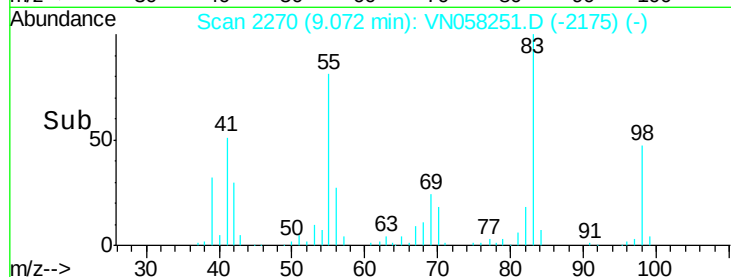
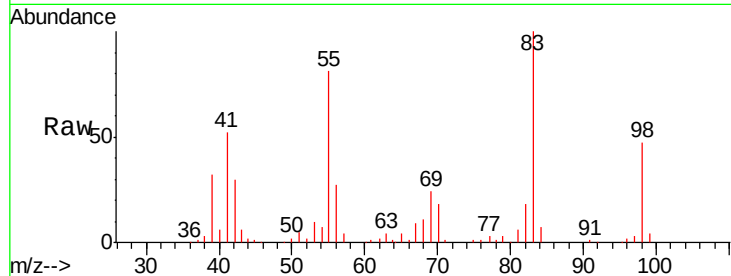




#39
Methylcyclohexane
Concen: 19.202 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

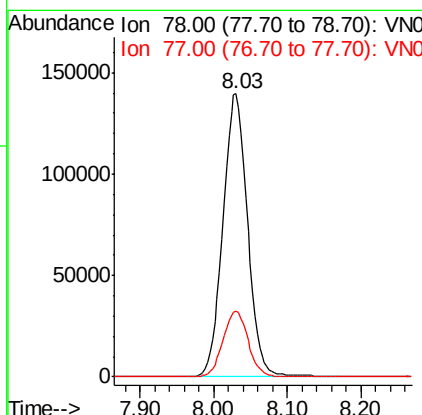
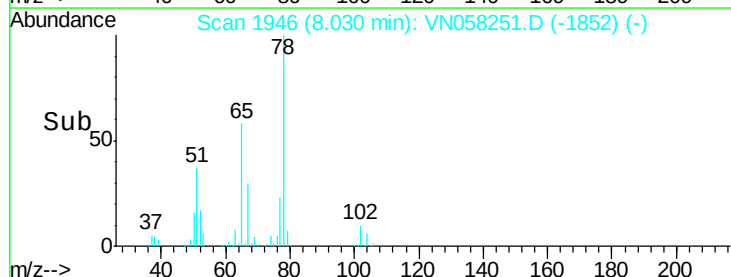
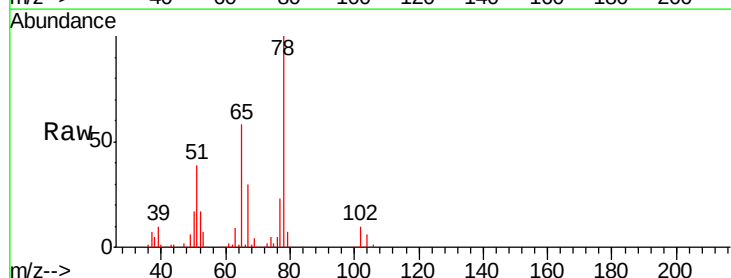
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

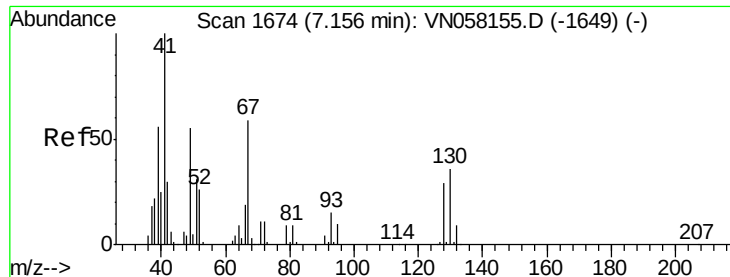
Tgt Ion: 83 Resp: 100127
Ion Ratio Lower Upper
83 100
55 80.9 61.9 92.9
98 47.1 35.4 53.2



#40
Benzene
Concen: 19.630 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 78 Resp: 324101
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

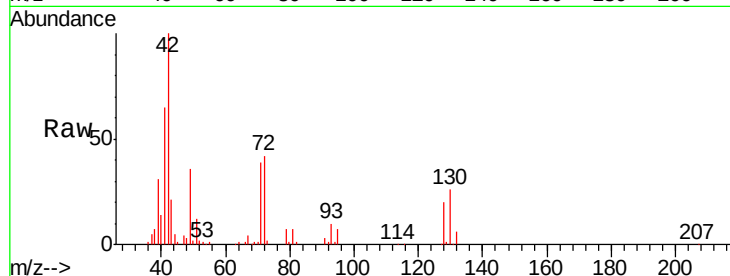




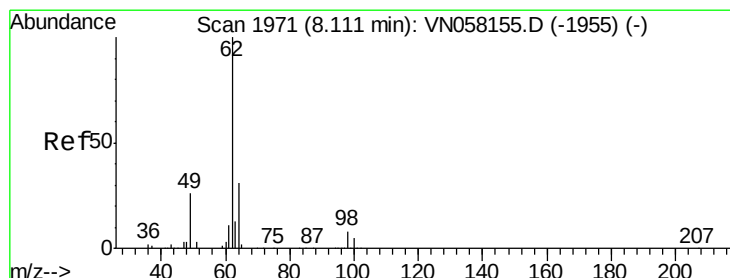
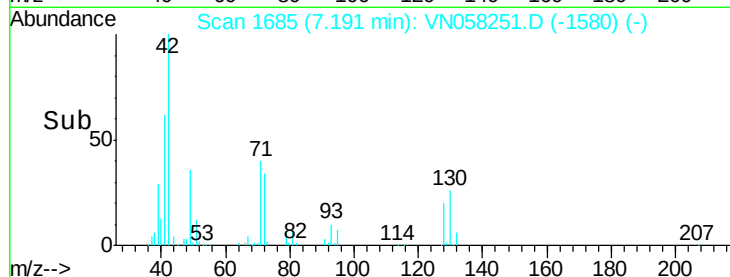
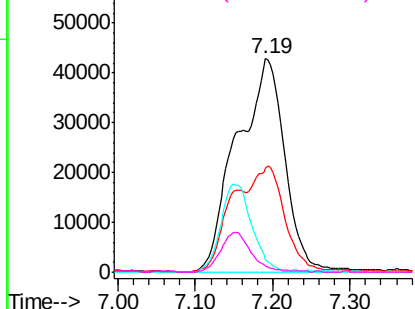
#41
Methacrylonitrile
Concen: 65.093 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tgt Ion:	41	Resp:	184747
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

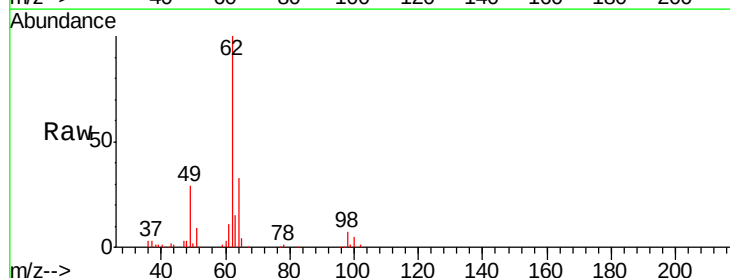


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

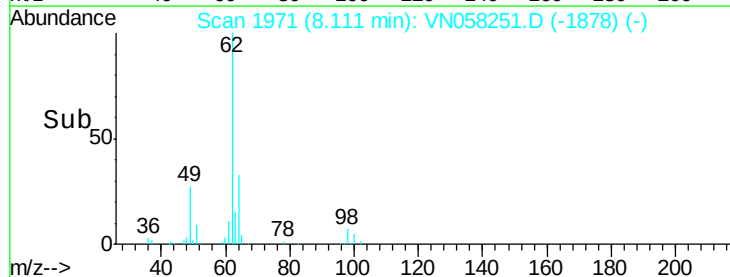
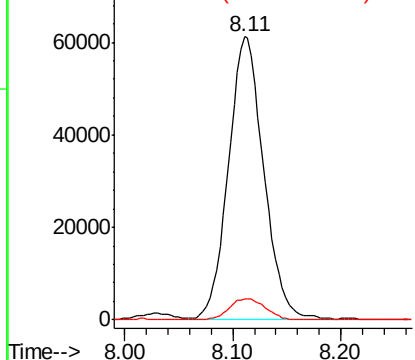


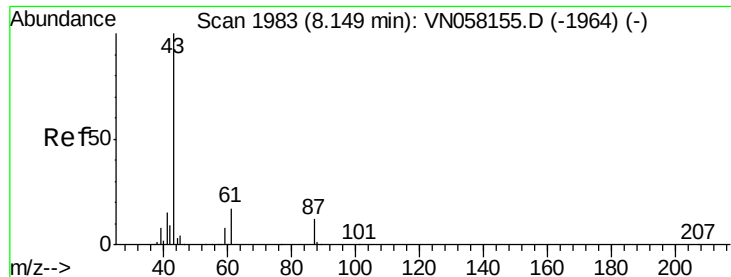
#42
1,2-Dichloroethane
Concen: 20.026 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion:	62	Resp:	138733
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.963 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

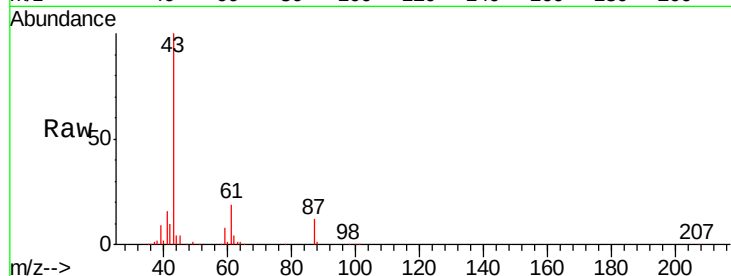
Tgt Ion: 43 Resp: 209144

Ion Ratio Lower Upper

43 100

61 24.5 19.7 29.5

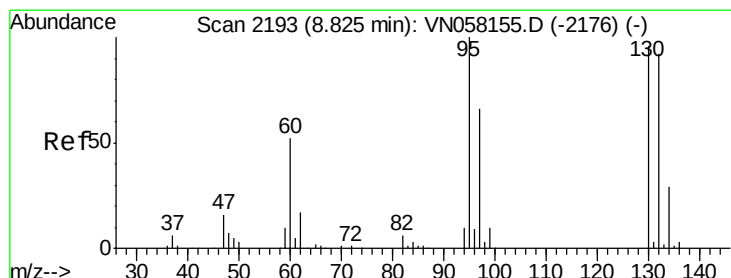
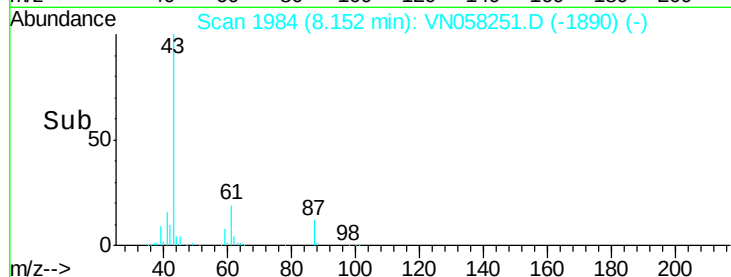
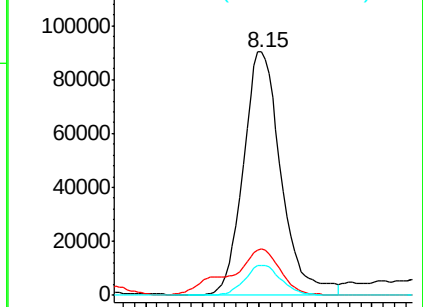
87 12.0 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)



#44

Trichloroethene

Concen: 19.790 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058251.D

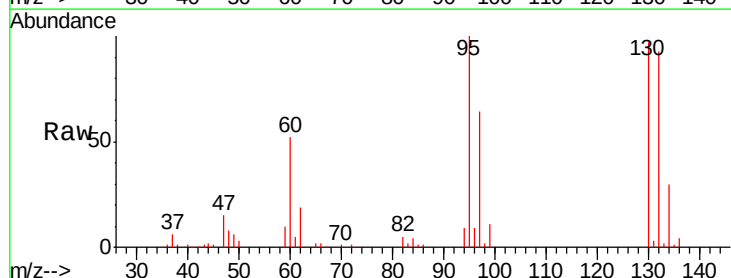
Acq: 20 Sep 2019 15:36

Tgt Ion: 130 Resp: 79955

Ion Ratio Lower Upper

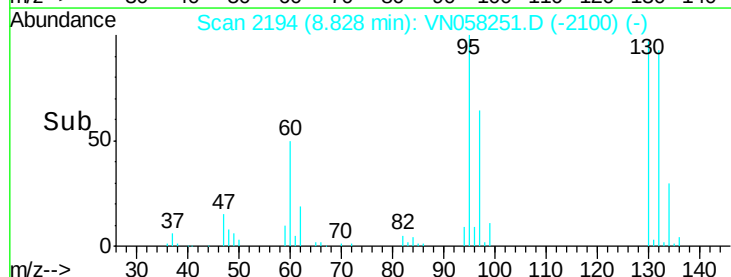
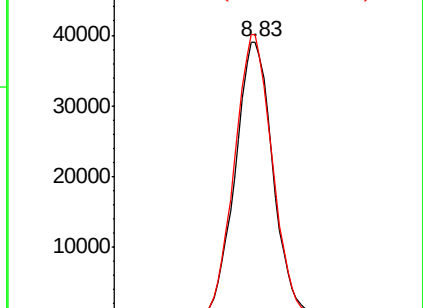
130 100

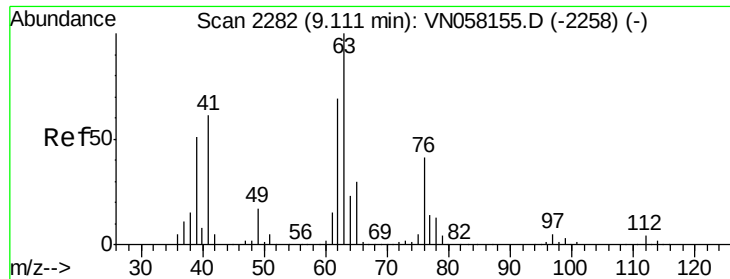
95 102.6 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

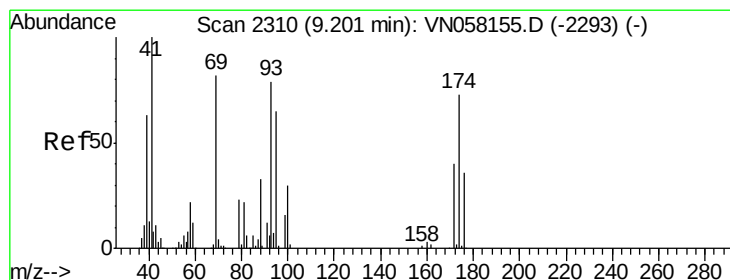
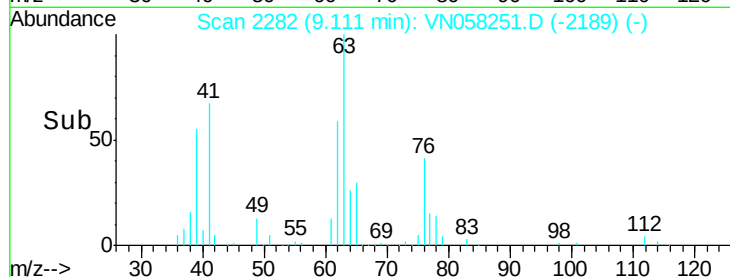
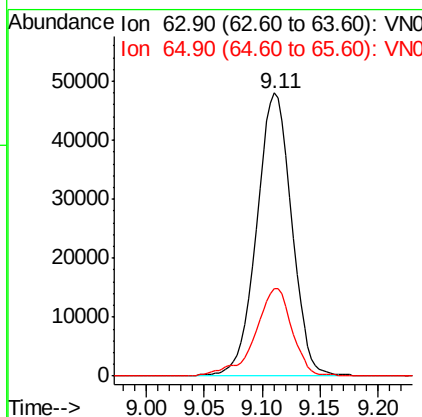
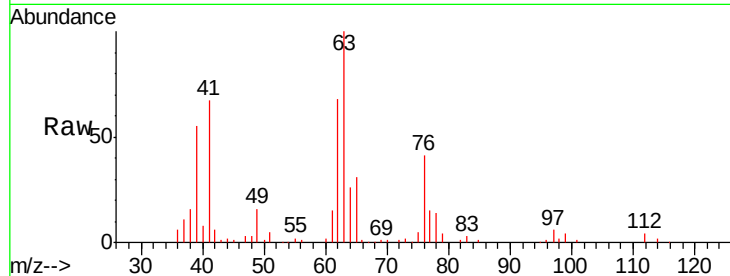




#45
 1,2-Dichloropropane
 Concen: 20.484 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

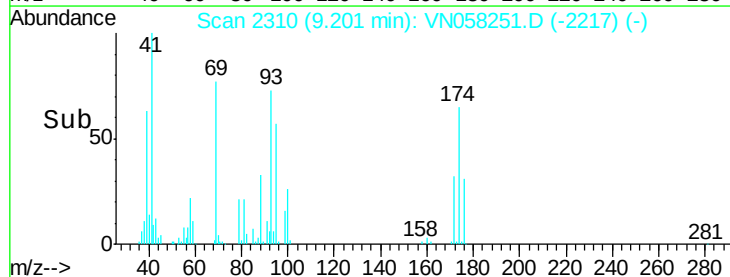
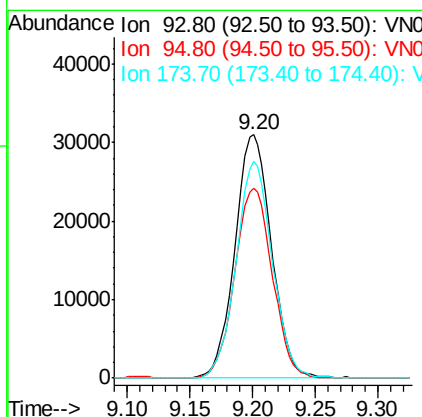
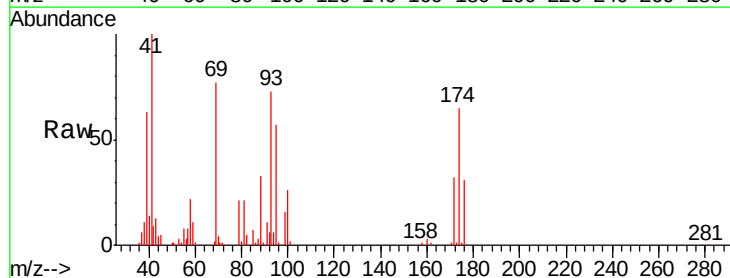
Instrument :
 MSVOA_N
 ClientSampled :
 VN0920WBS02

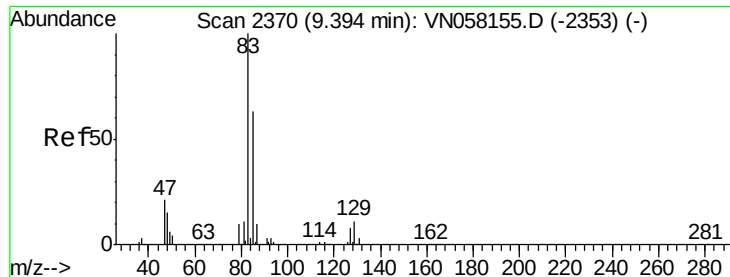
Tgt Ion: 63 Resp: 100997
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.8 35.6



#46
 Dibromomethane
 Concen: 20.916 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion: 93 Resp: 62700
 Ion Ratio Lower Upper
 93 100
 95 80.1 66.8 100.2
 174 88.2 73.8 110.8





#47

Bromodichloromethane

Concen: 20.645 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

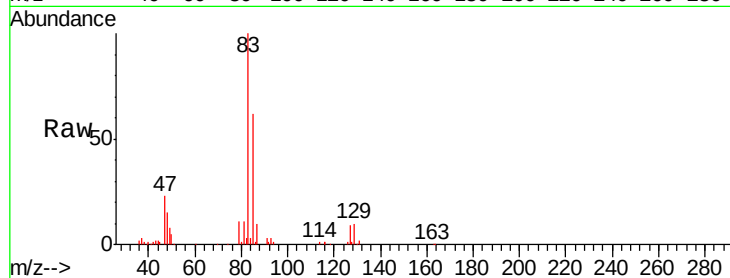
Tgt Ion: 83 Resp: 129656

Ion Ratio Lower Upper

83 100

85 62.2 50.1 75.1

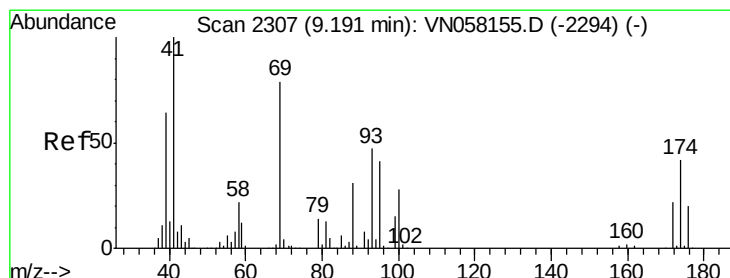
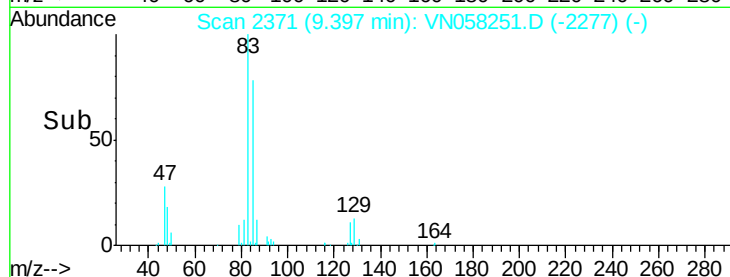
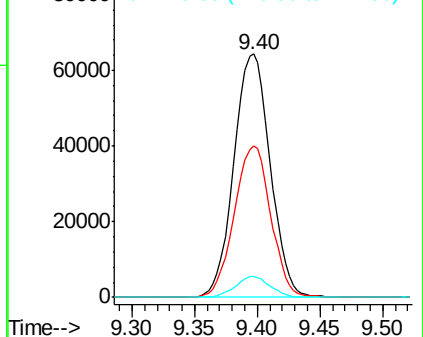
127 8.8 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.918 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

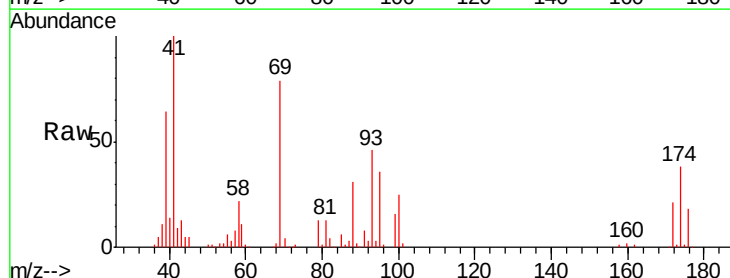
Tgt Ion: 41 Resp: 99503

Ion Ratio Lower Upper

41 100

69 78.8 62.5 93.7

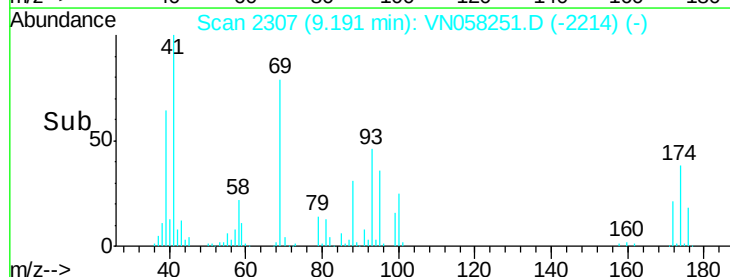
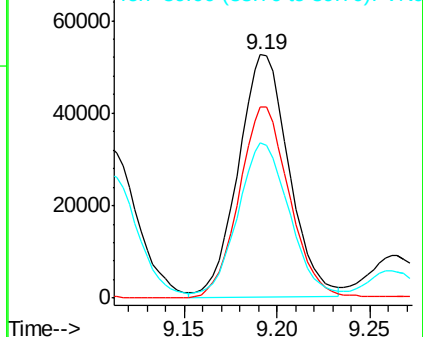
39 64.8 52.3 78.5

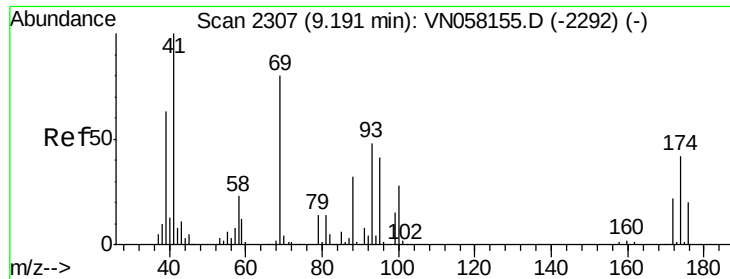


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

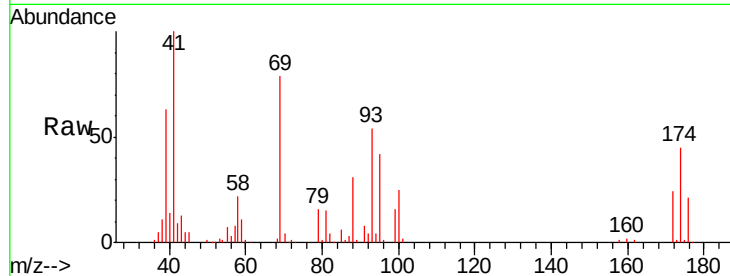




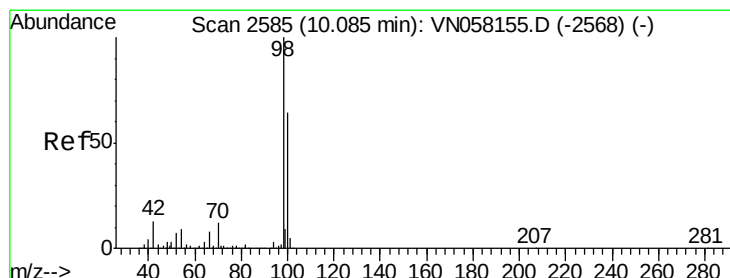
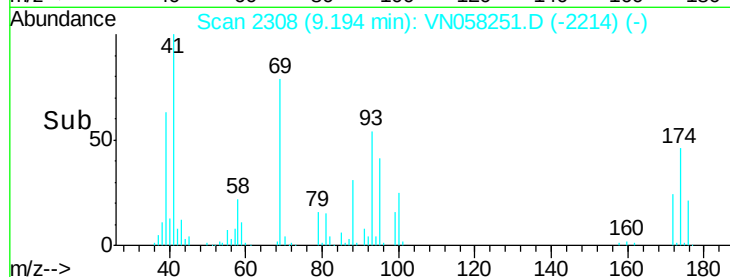
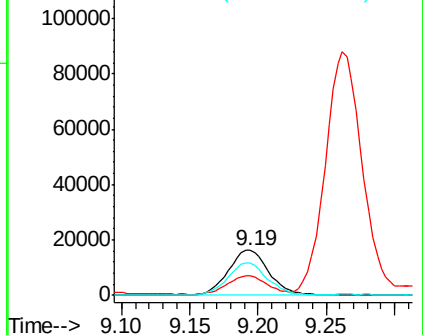
#49
 1,4-Dioxane
 Concen: 430.991 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Tgt Ion: 88 Resp: 33660
 Ion Ratio Lower Upper
 88 100
 43 39.8 27.8 41.8
 58 70.6 55.0 82.4

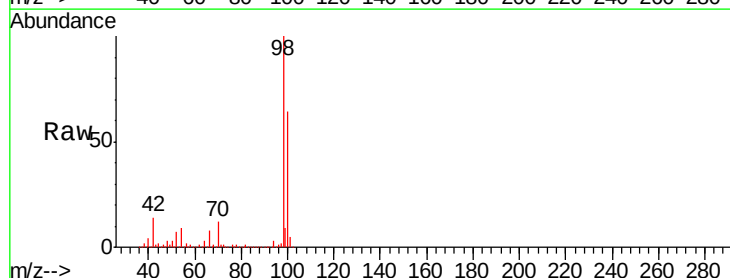


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

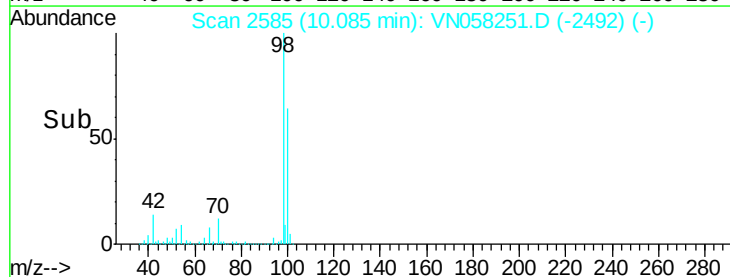
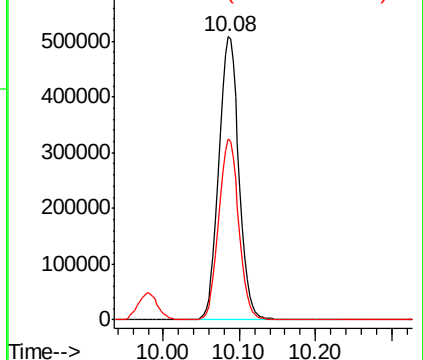


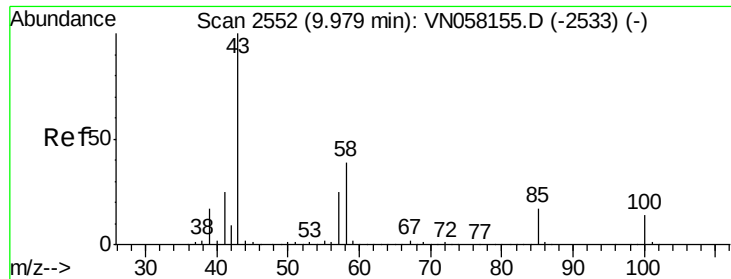
#50
 Toluene-d8
 Concen: 52.544 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion: 98 Resp: 932862
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.1 76.7



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





#51

4-Methyl-2-Pentanone

Concen: 119.518 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampled :

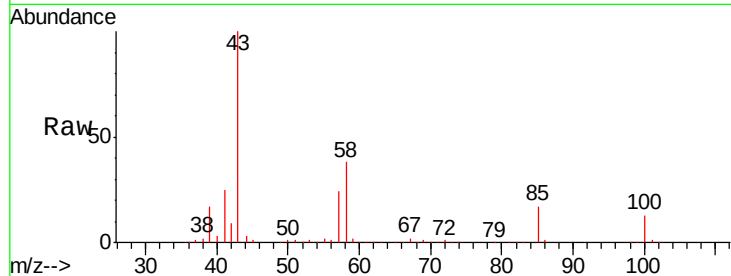
VN0920WBS02

Tgt Ion: 43 Resp: 665090

Ion Ratio Lower Upper

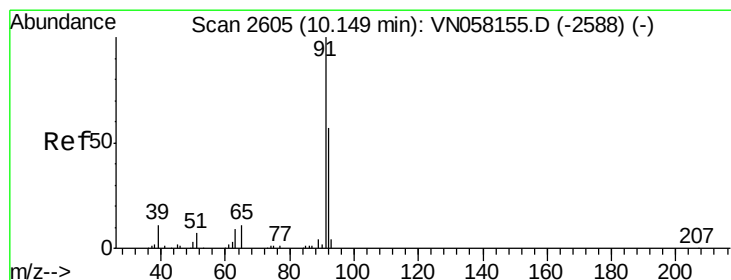
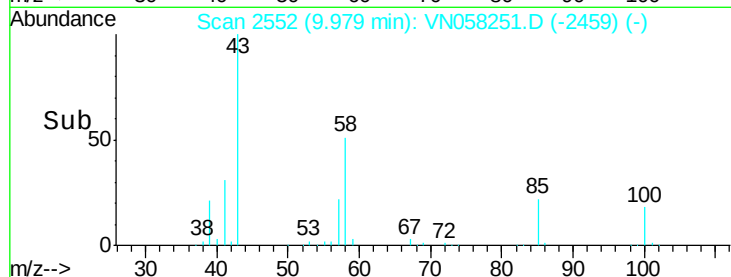
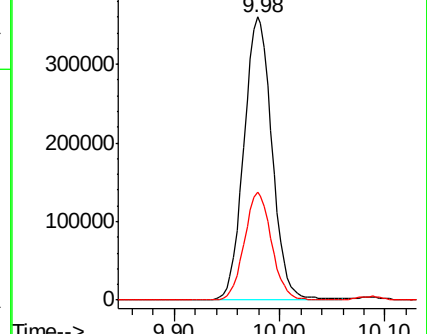
43 100

58 37.1 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.565 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058251.D

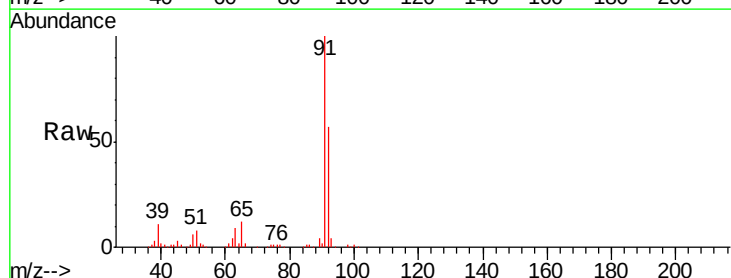
Acq: 20 Sep 2019 15:36

Tgt Ion: 92 Resp: 202442

Ion Ratio Lower Upper

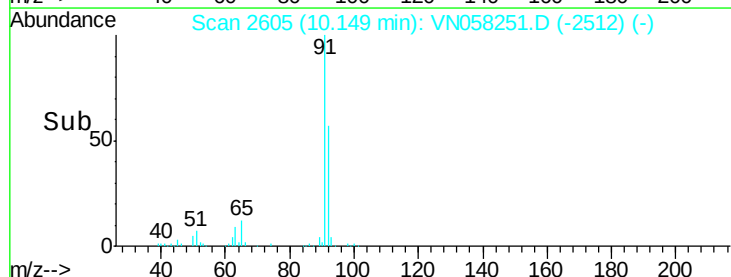
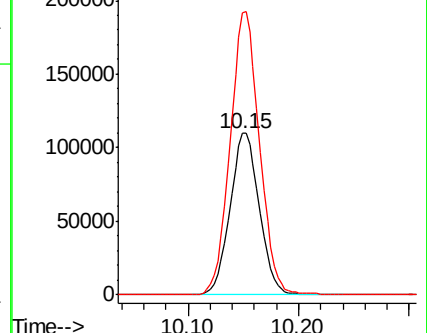
92 100

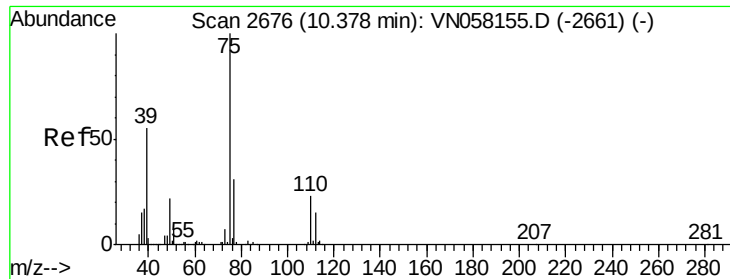
91 174.8 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.646 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

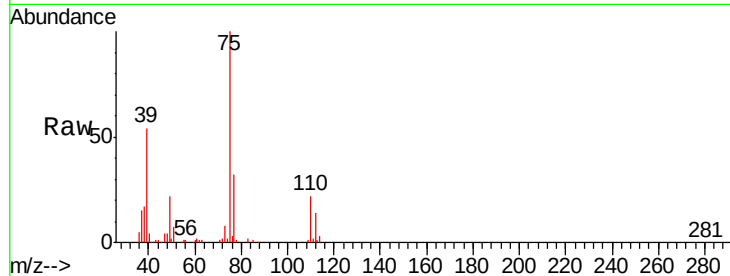
VN0920WBS02

Tgt Ion: 75 Resp: 126381

Ion Ratio Lower Upper

75 100

77 32.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

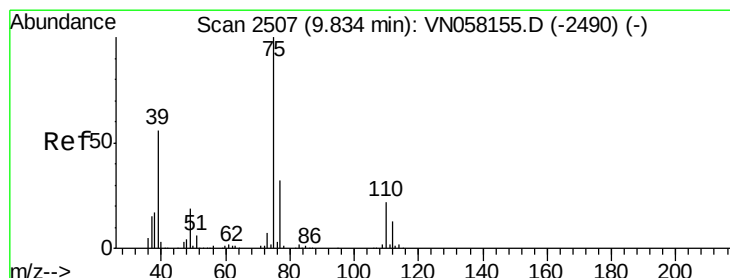
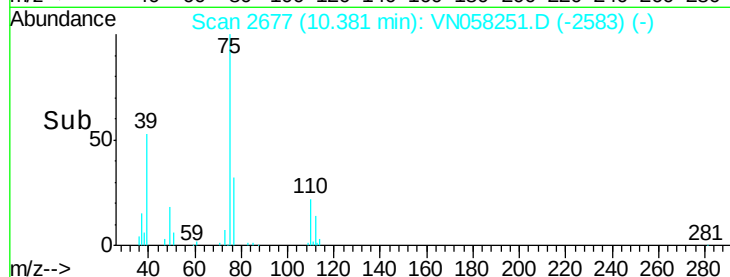
40000

20000

0

Time-->

10.30 10.40



#54

cis-1,3-Dichloropropene

Concen: 19.899 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

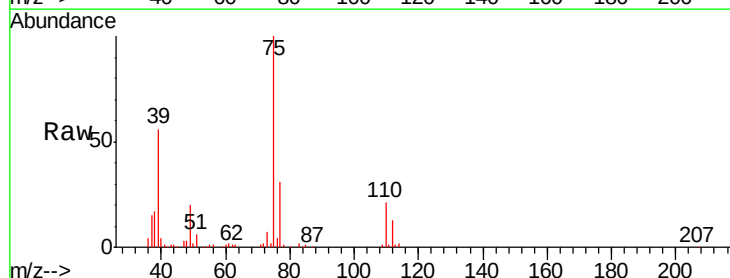
Tgt Ion: 75 Resp: 141336

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 56.3 45.0 67.6



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

9.83

100000

80000

60000

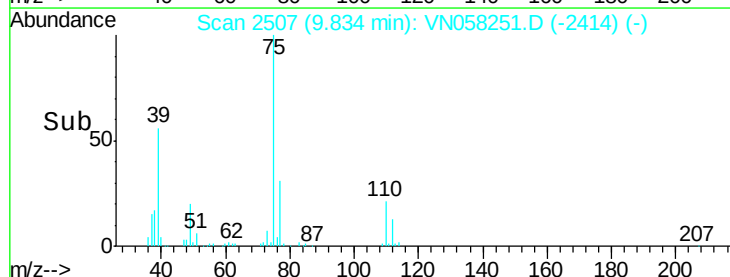
40000

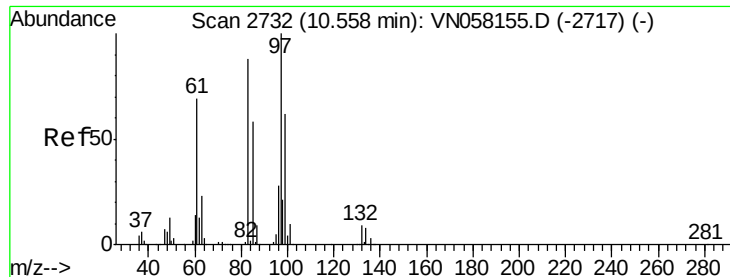
20000

0

Time-->

9.75 9.80 9.85 9.90





#55

1,1,2-Trichloroethane

Concen: 20.665 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

Tgt Ion: 97 Resp: 94888

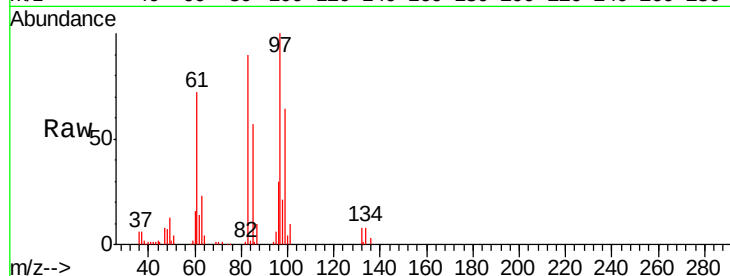
Ion Ratio Lower Upper

97 100

83 89.7 70.4 105.6

85 57.4 46.8 70.2

99 63.7 49.9 74.9

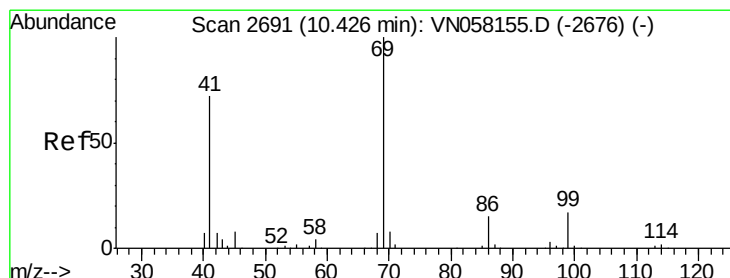
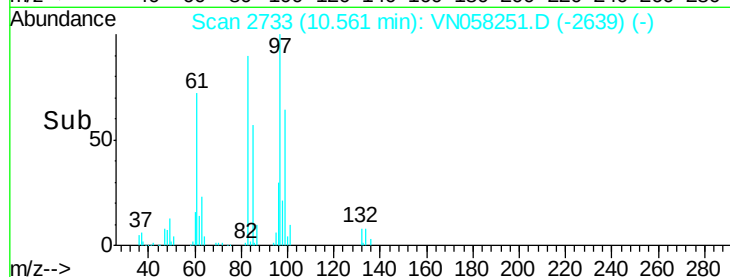
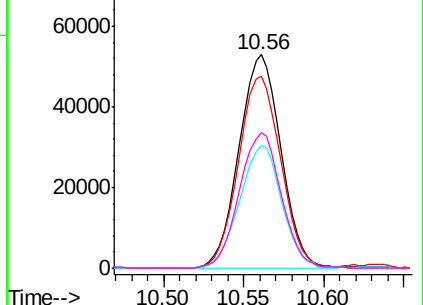


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.024 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

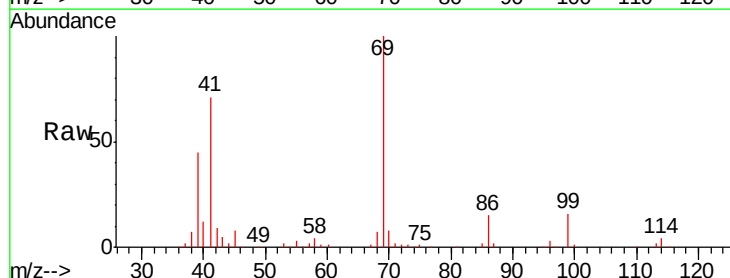
Tgt Ion: 69 Resp: 139285

Ion Ratio Lower Upper

69 100

41 71.5 57.5 86.3

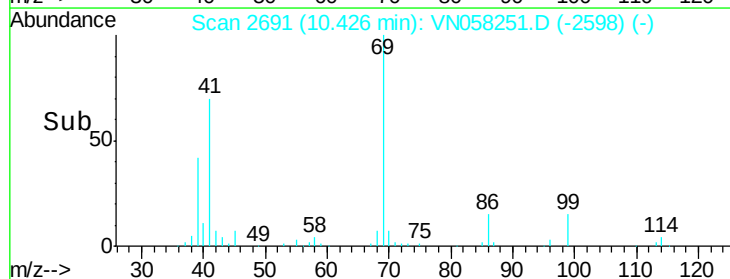
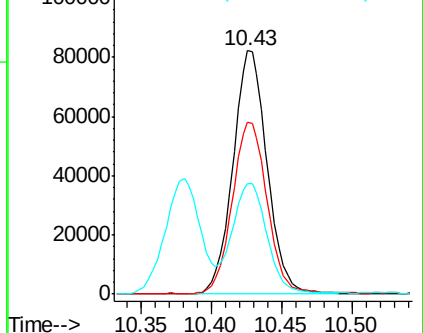
39 46.3 36.1 54.1

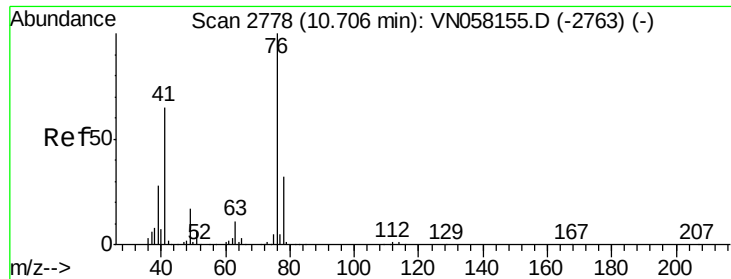


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.678 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampled :

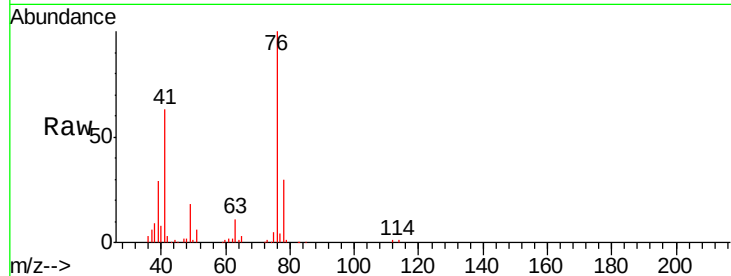
VN0920WBS02

Tgt Ion: 76 Resp: 163229

Ion Ratio Lower Upper

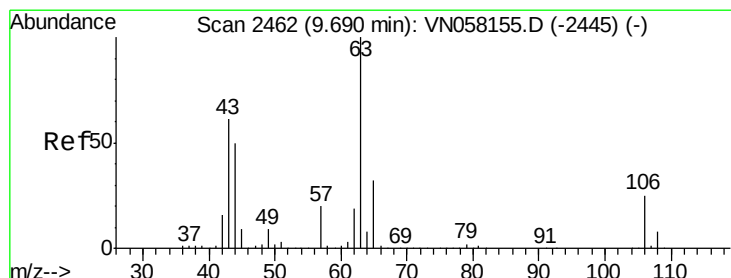
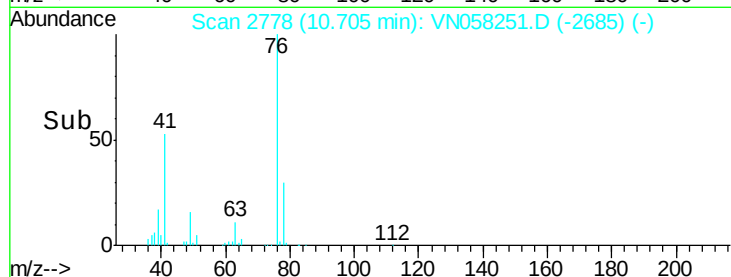
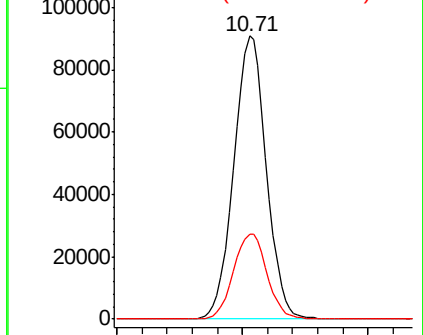
76 100

78 31.2 25.4 38.0



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: 113.045 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058251.D

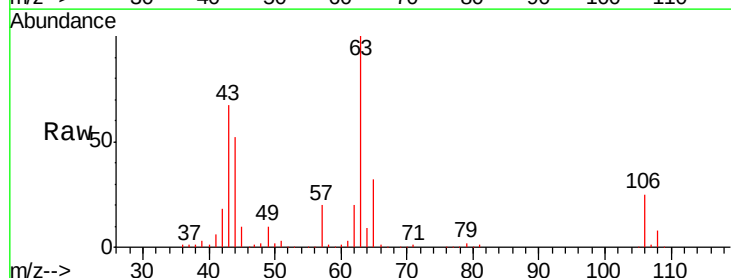
Acq: 20 Sep 2019 15:36

Tgt Ion: 63 Resp: 356743

Ion Ratio Lower Upper

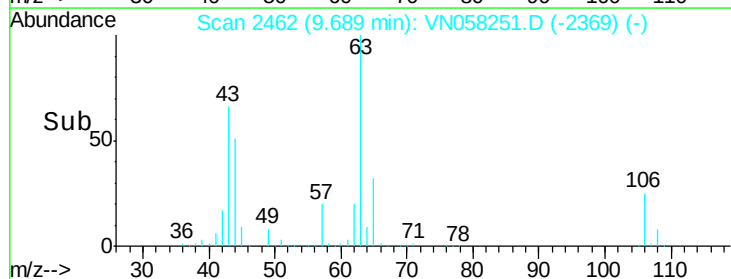
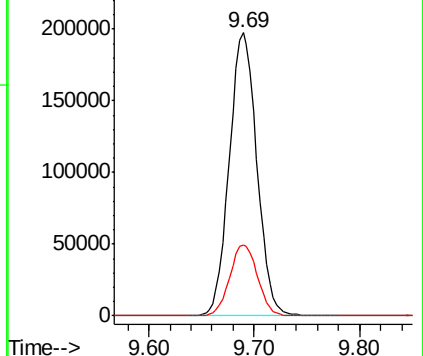
63 100

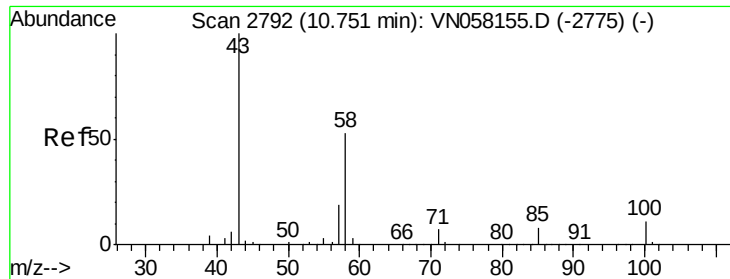
106 25.3 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

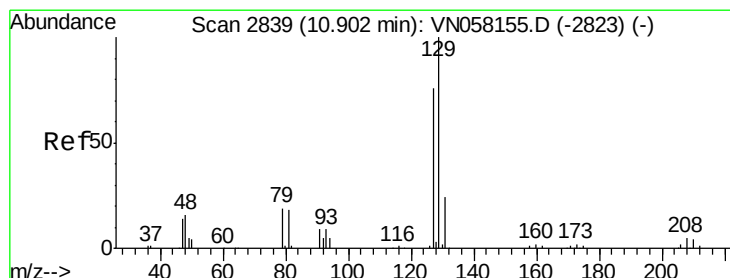
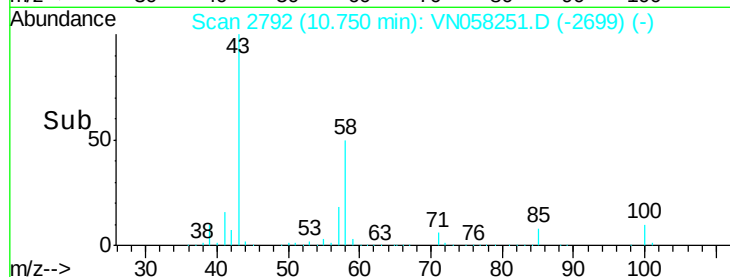
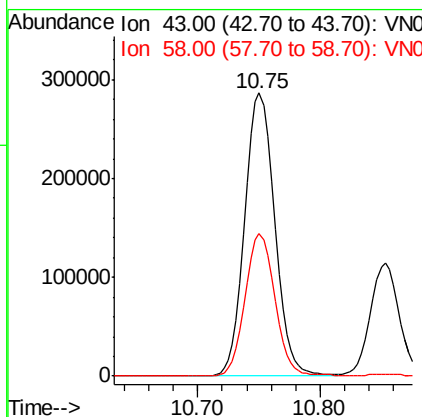
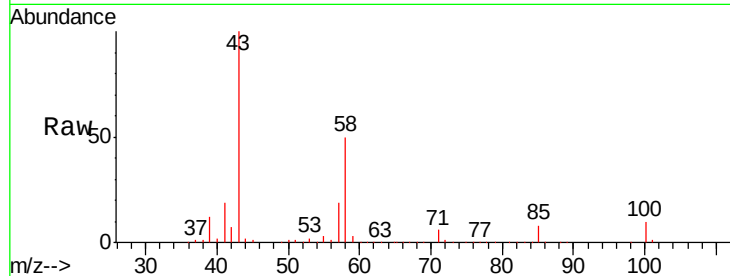




#59
2-Hexanone
Concen: 117.214 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

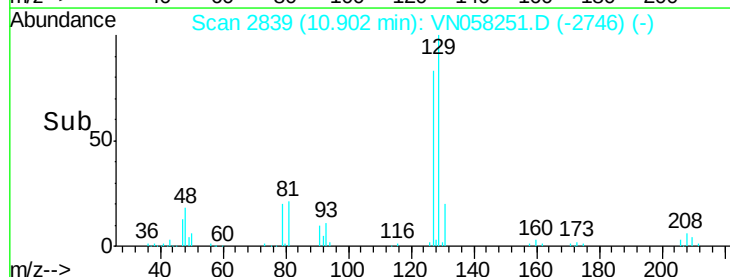
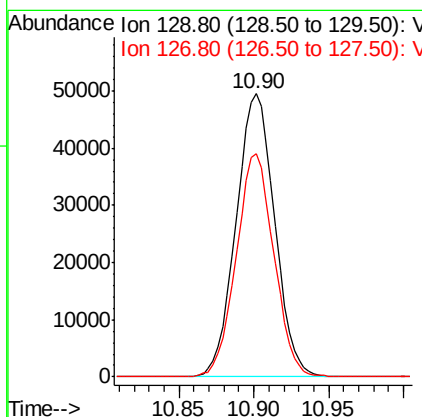
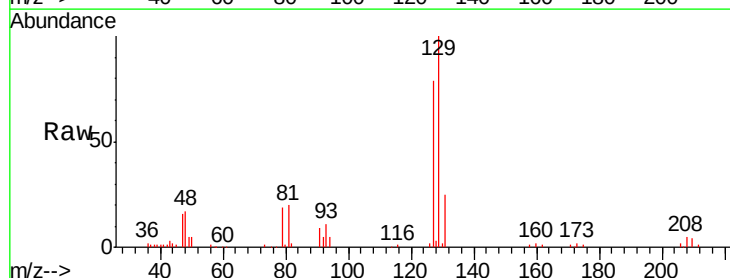
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

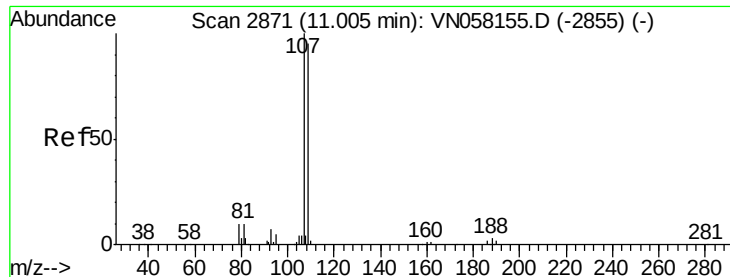
Tgt Ion: 43 Resp: 484433
Ion Ratio Lower Upper
43 100
58 50.2 26.0 78.0



#60
Dibromochloromethane
Concen: 20.114 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 129 Resp: 88854
Ion Ratio Lower Upper
129 100
127 76.9 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.487 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampled :

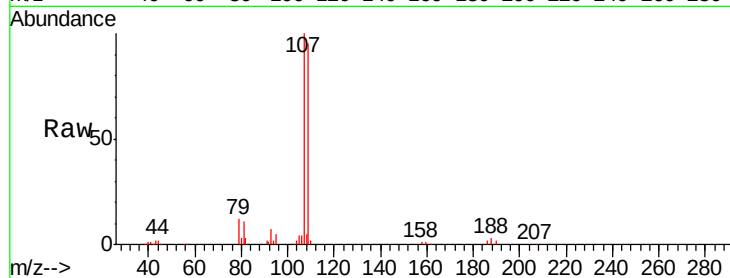
VN0920WBS02

Tgt Ion: 107 Resp: 87181

Ion Ratio Lower Upper

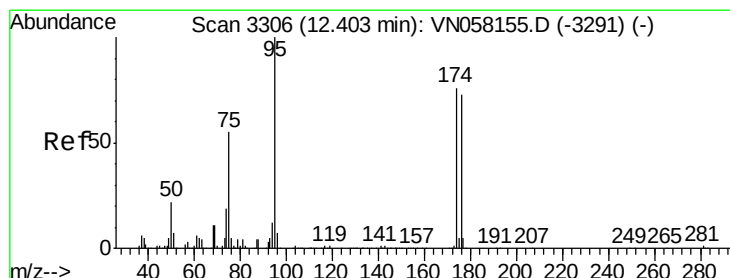
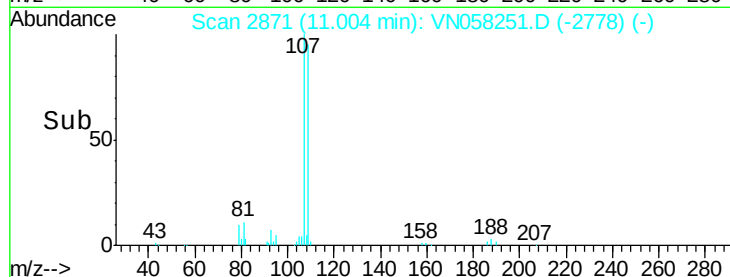
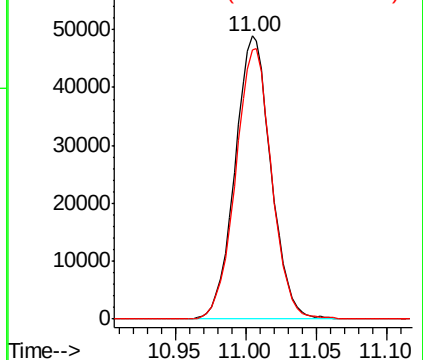
107 100

109 95.6 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.791 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

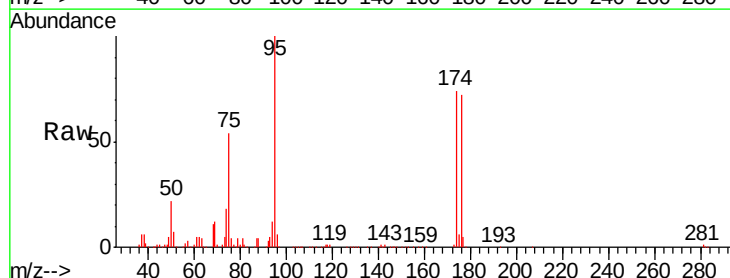
Tgt Ion: 95 Resp: 334967

Ion Ratio Lower Upper

95 100

174 74.5 0.0 152.2

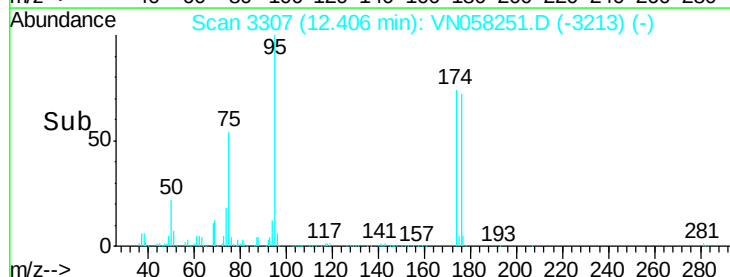
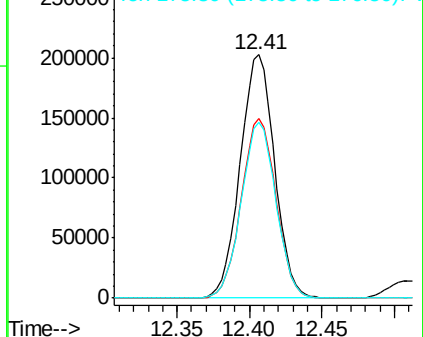
176 72.6 0.0 148.0

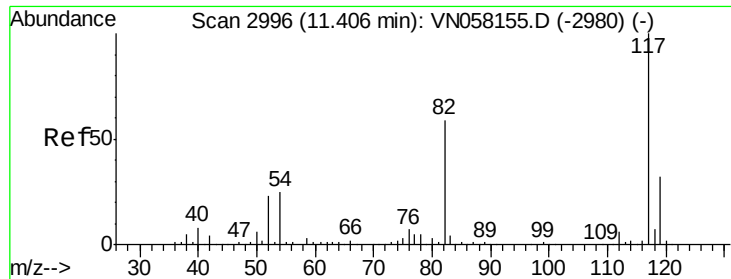


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

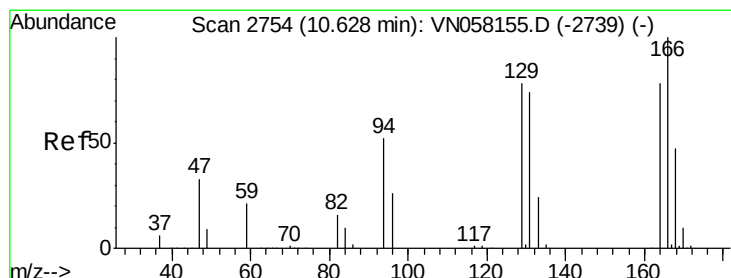
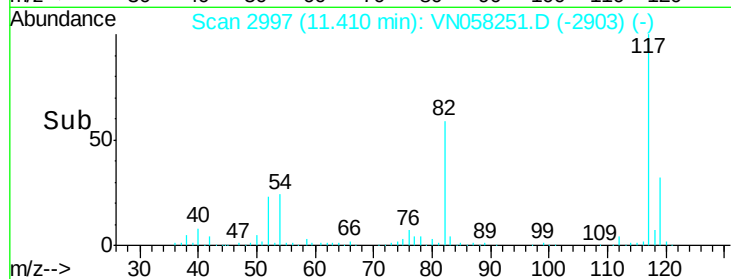
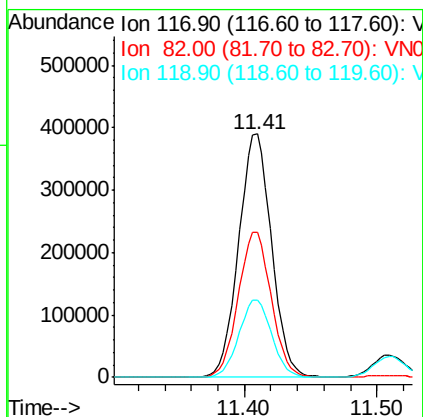
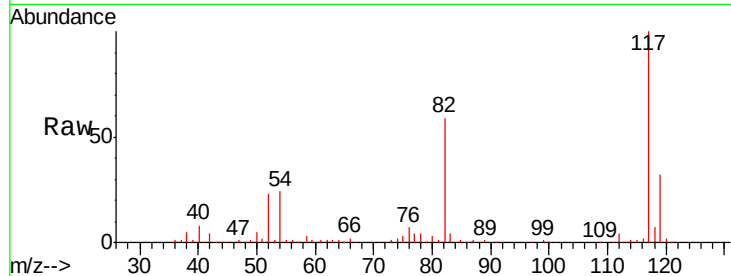




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

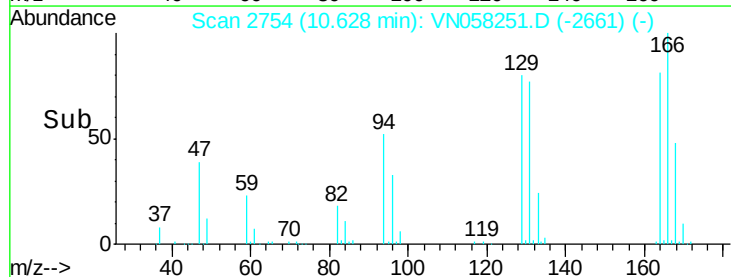
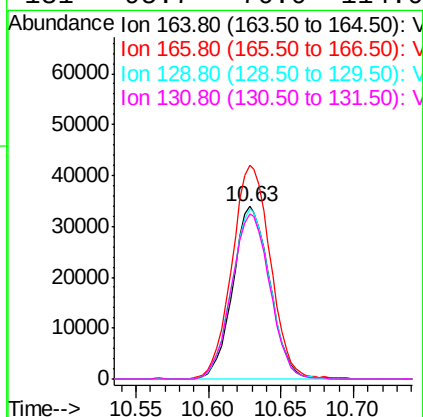
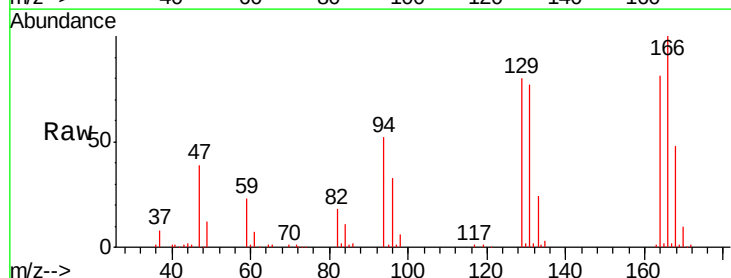
Instrument :
MSVOA_N
ClientSampled :
VN0920WBS02

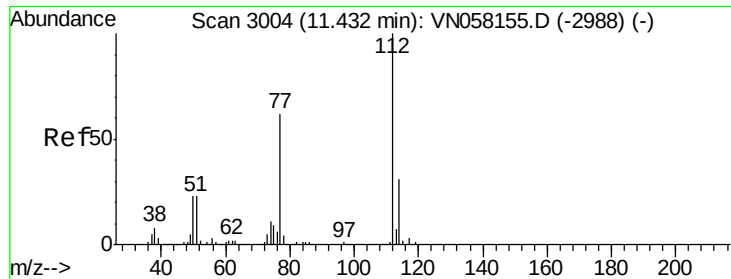
Tgt Ion:117 Resp: 671366
Ion Ratio Lower Upper
117 100
82 59.4 46.9 70.3
119 31.7 25.3 37.9



#64
Tetrachloroethene
Concen: 18.404 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion:164 Resp: 60232
Ion Ratio Lower Upper
164 100
166 123.7 102.2 153.4
129 98.4 79.6 119.4
131 95.7 76.0 114.0

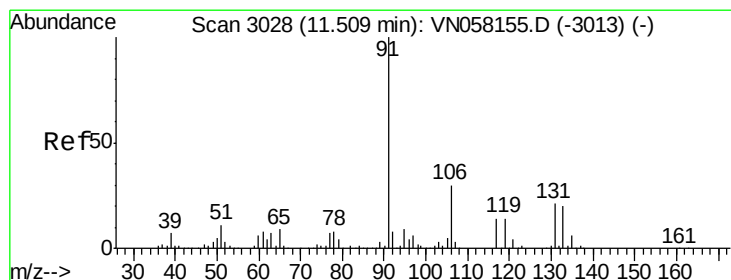
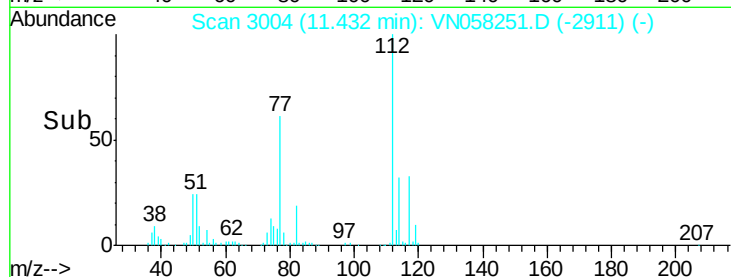
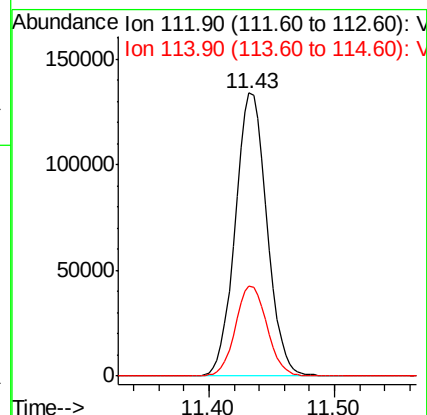
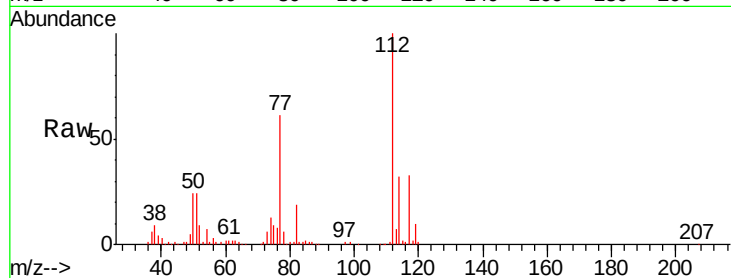




#65
Chlorobenzene
Concen: 19.889 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

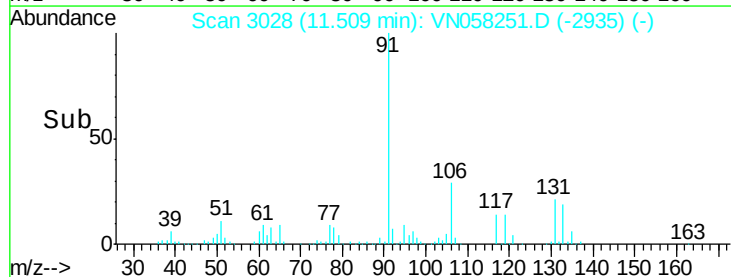
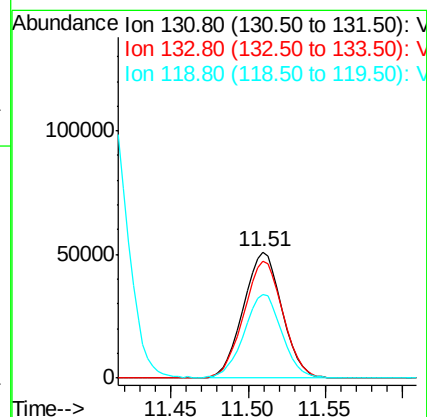
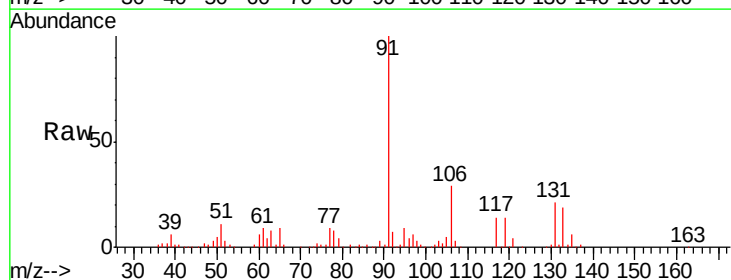
Instrument :
MSVOA_N
ClientSampled :
VN0920WBS02

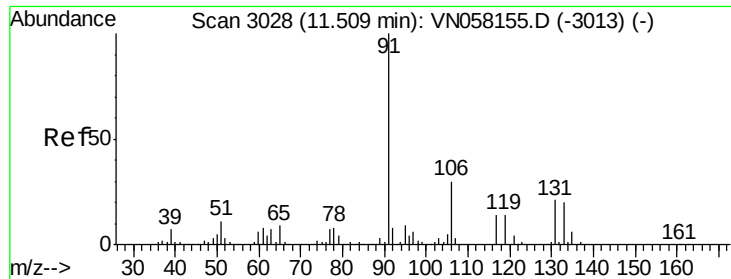
Tgt Ion:112 Resp: 234865
Ion Ratio Lower Upper
112 100
114 31.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.664 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion:131 Resp: 88481
Ion Ratio Lower Upper
131 100
133 94.2 47.8 143.3
119 65.6 33.1 99.3

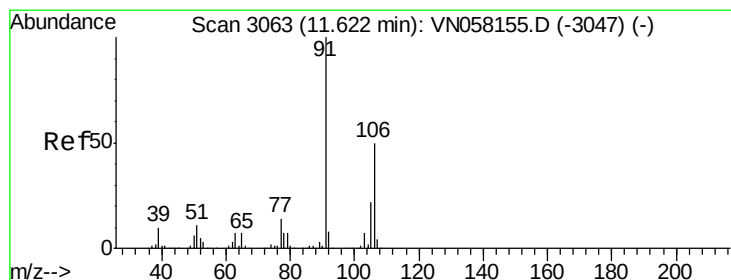
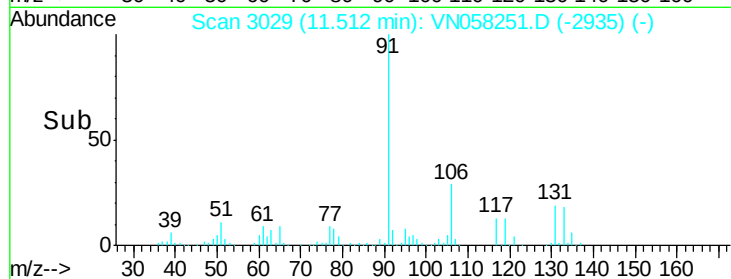
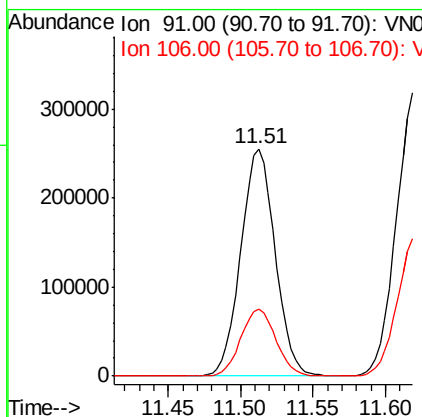
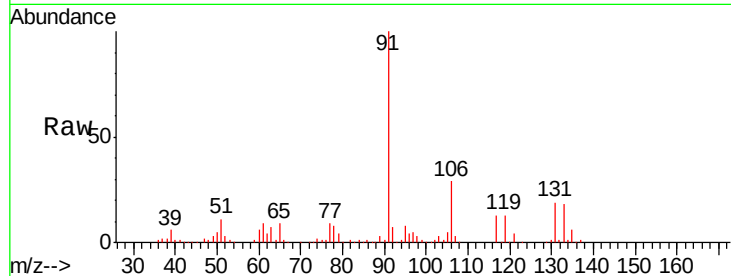




#67
Ethyl Benzene
Concen: 20.823 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

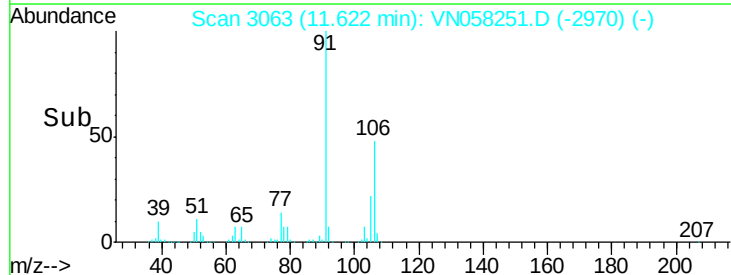
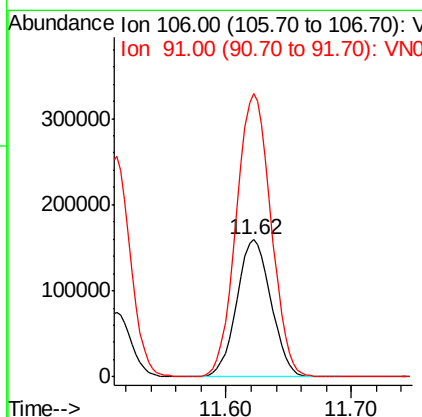
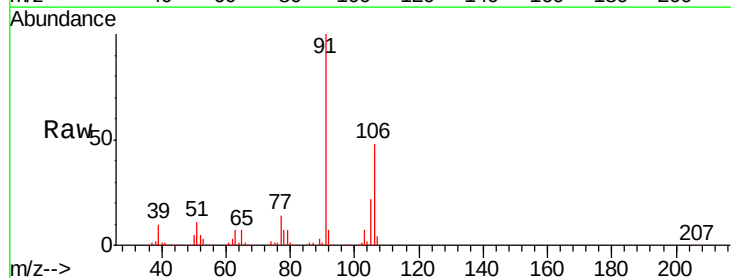
Instrument :
MSVOA_N
ClientSampled :
VN0920WBS02

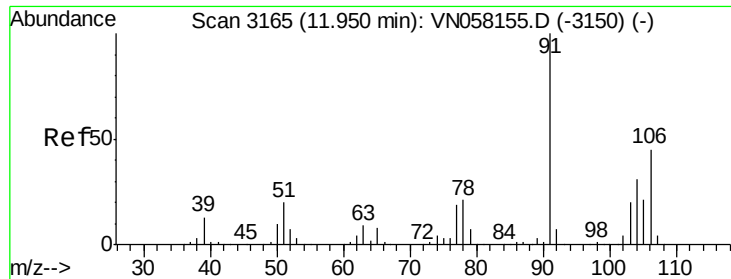
Tgt Ion: 91 Resp: 421341
Ion Ratio Lower Upper
91 100
106 29.5 24.0 36.0



#68
m/p-Xylenes
Concen: 39.699 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion: 106 Resp: 302540
Ion Ratio Lower Upper
106 100
91 209.3 163.6 245.4

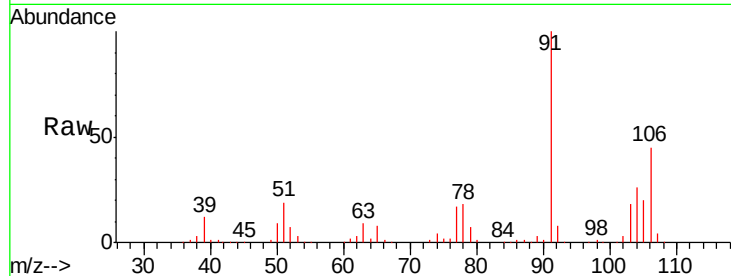




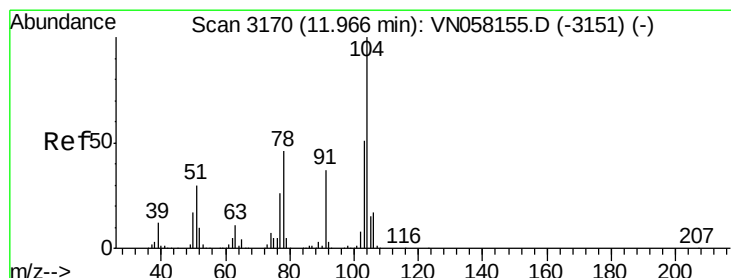
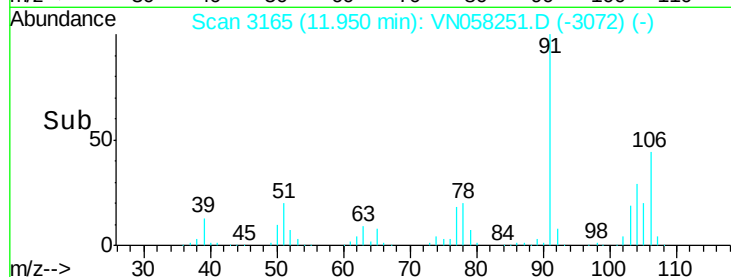
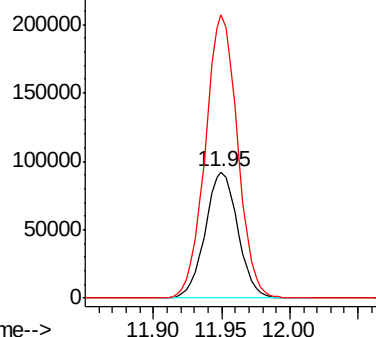
#69
o-Xylene
Concen: 20.394 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

Tgt Ion:106 Resp: 152824
Ion Ratio Lower Upper
106 100
91 222.3 111.8 335.3

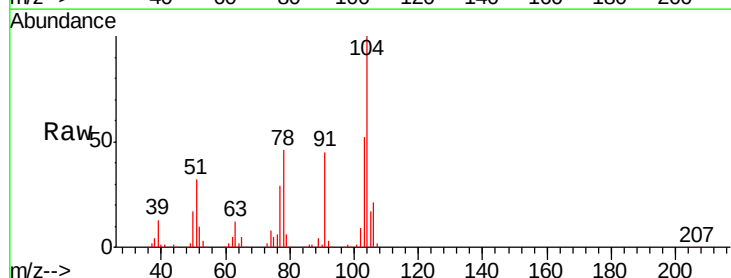


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

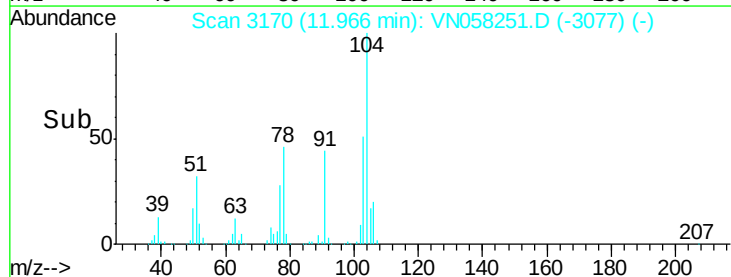
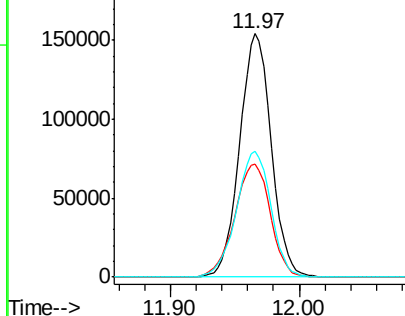


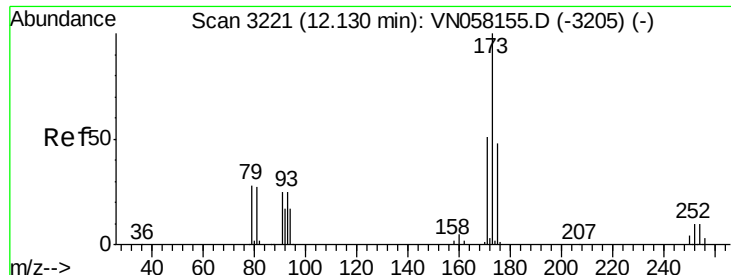
#70
Styrene
Concen: 20.373 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion:104 Resp: 263039
Ion Ratio Lower Upper
104 100
78 52.5 41.8 62.8
103 56.4 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

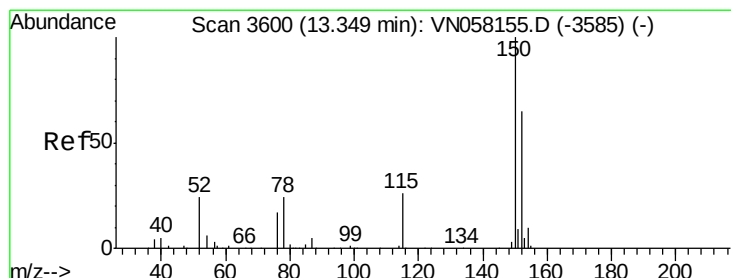
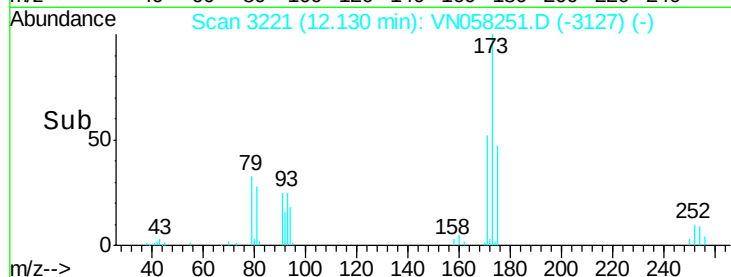
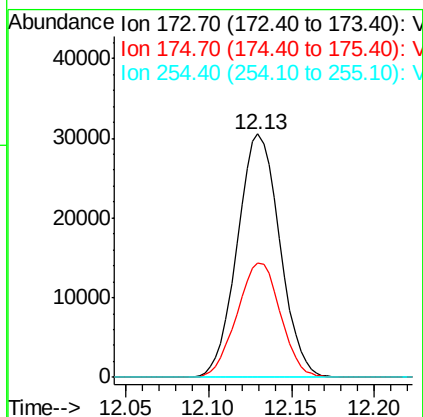
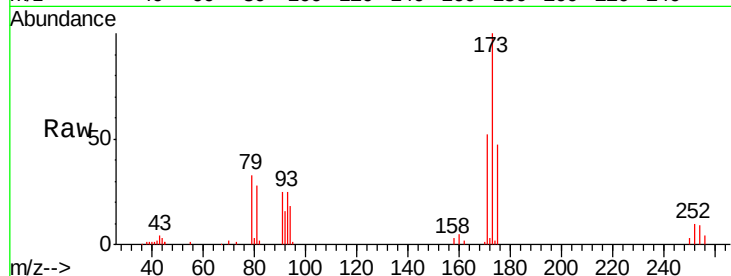




#71
Bromoform
Concen: 19.524 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

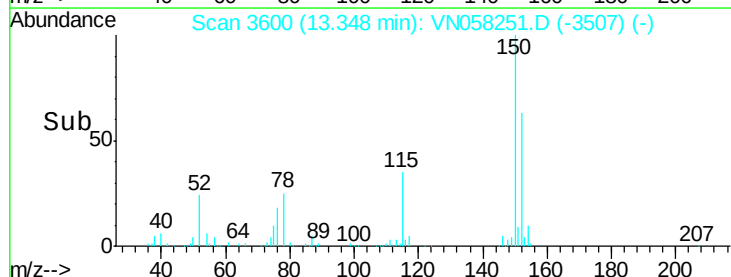
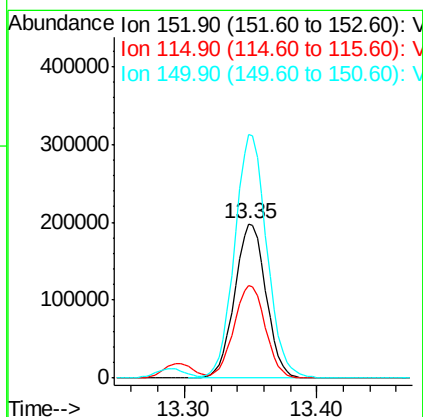
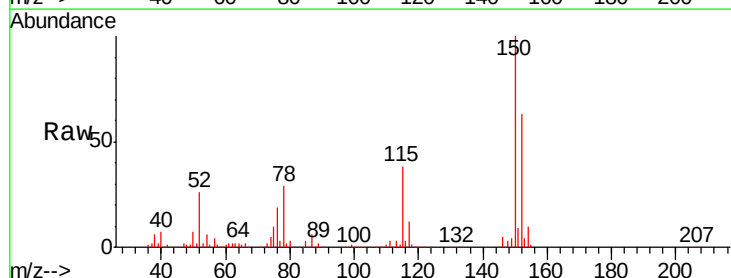
Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS02

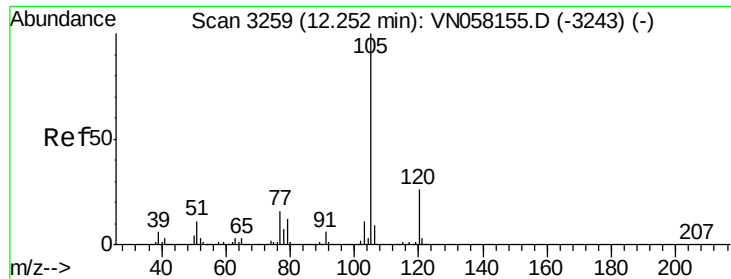
Tgt Ion:173 Resp: 54485
Ion Ratio Lower Upper
173 100
175 48.0 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058251.D
Acq: 20 Sep 2019 15:36

Tgt Ion:152 Resp: 324180
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.3
150 161.6 0.0 346.4





#73

Isopropylbenzene

Concen: 21.457 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

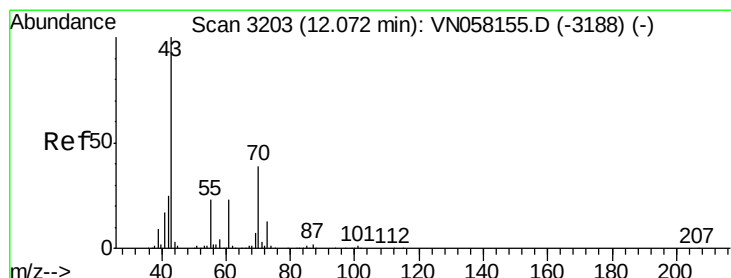
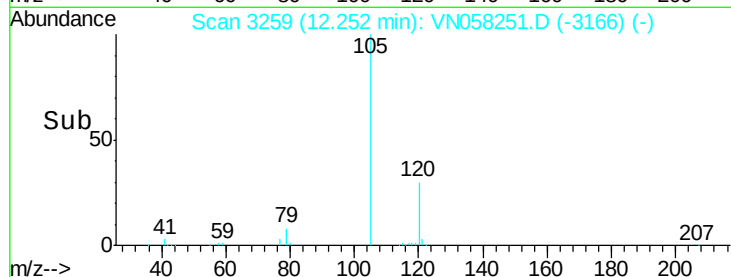
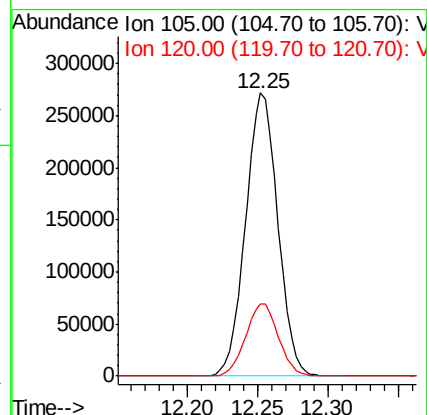
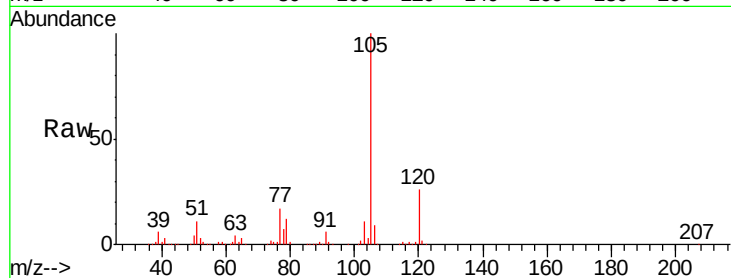
VN0920WBS02

Tgt Ion: 105 Resp: 435397

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3



#74

N-ethyl acetate

Concen: 21.747 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Tgt Ion: 43 Resp: 184602

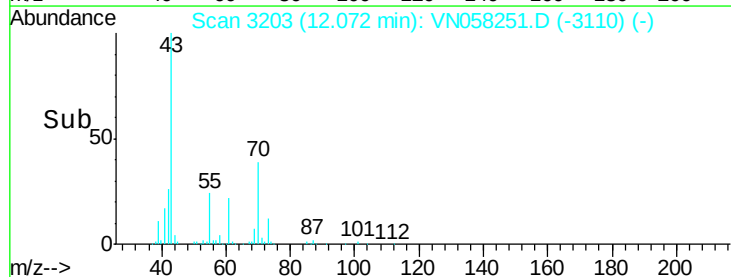
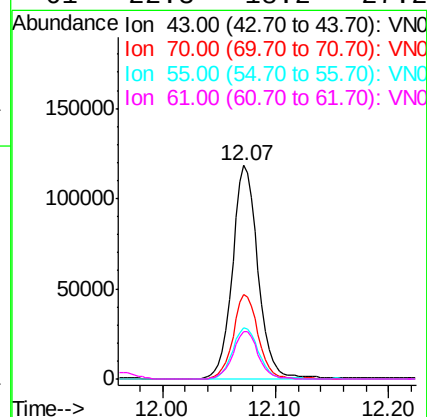
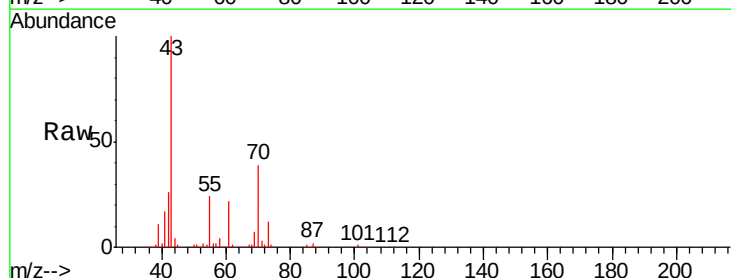
Ion Ratio Lower Upper

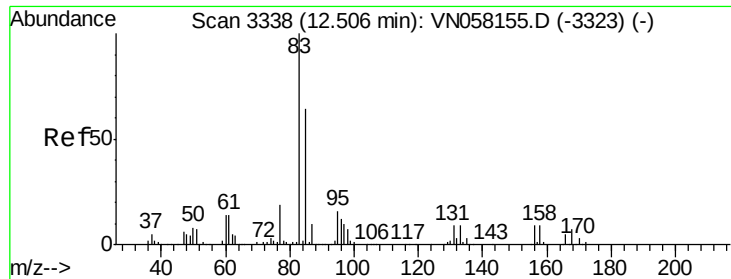
43 100

70 39.0 31.0 46.6

55 24.7 18.5 27.7

61 22.3 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.800 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

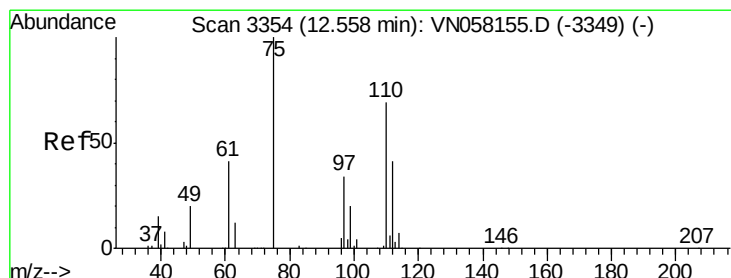
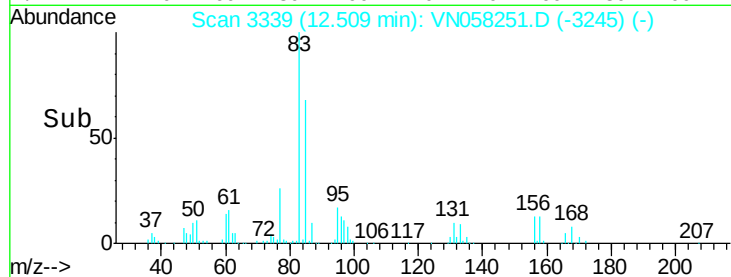
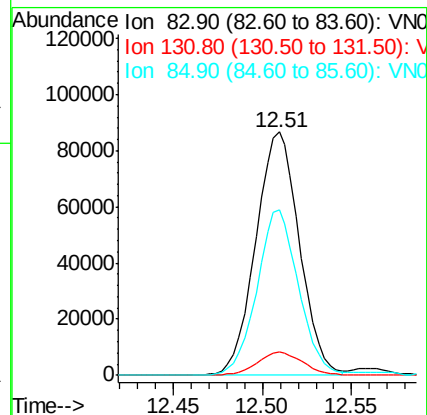
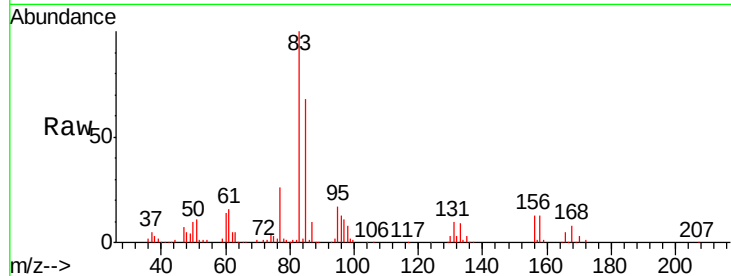
Tgt Ion: 83 Resp: 148136

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.3

85 64.8 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 30.061 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058251.D

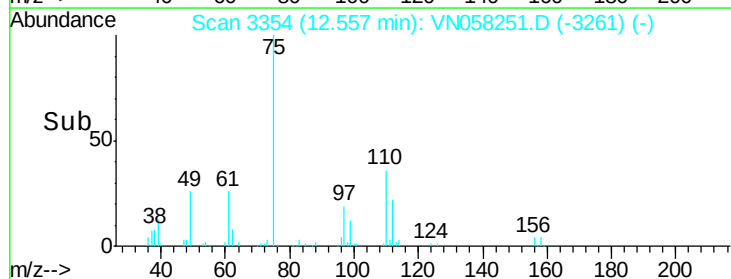
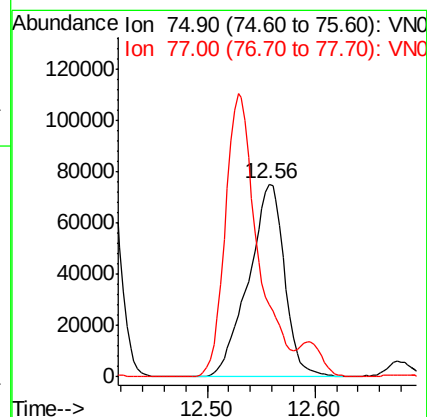
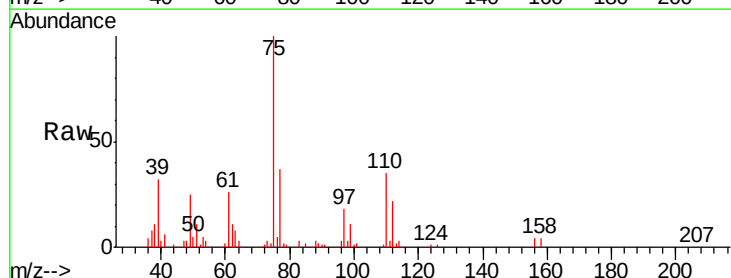
Acq: 20 Sep 2019 15:36

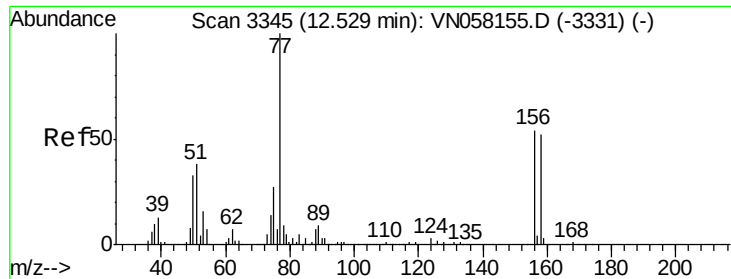
Tgt Ion: 75 Resp: 174406

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.681 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampled :

VN0920WBS02

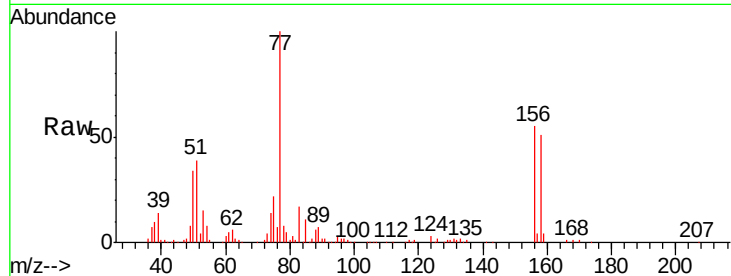
Tgt Ion:156 Resp: 100455

Ion Ratio Lower Upper

156 100

77 230.0 111.7 335.1

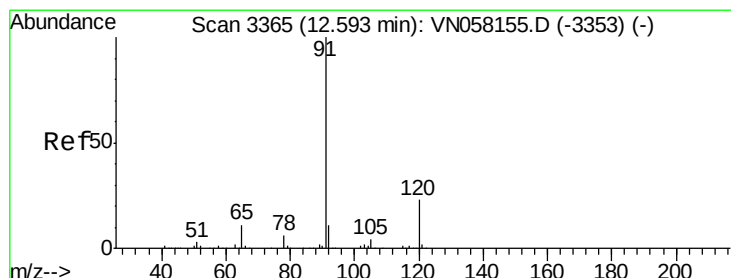
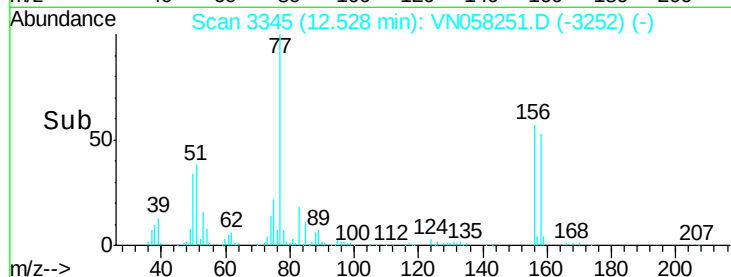
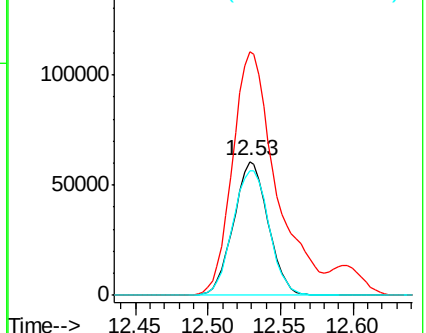
158 98.3 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.802 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058251.D

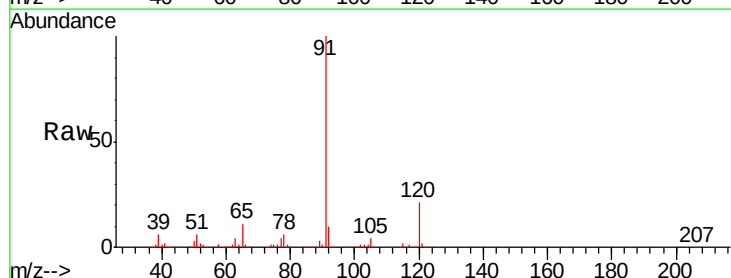
Acq: 20 Sep 2019 15:36

Tgt Ion: 91 Resp: 502726

Ion Ratio Lower Upper

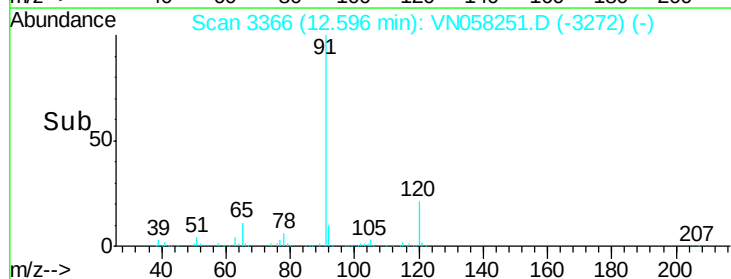
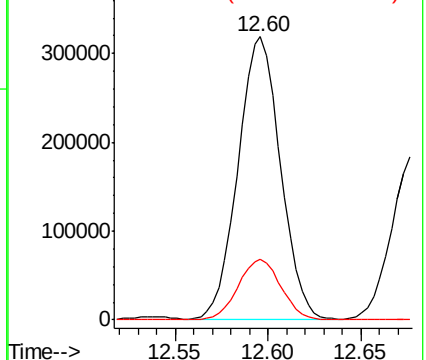
91 100

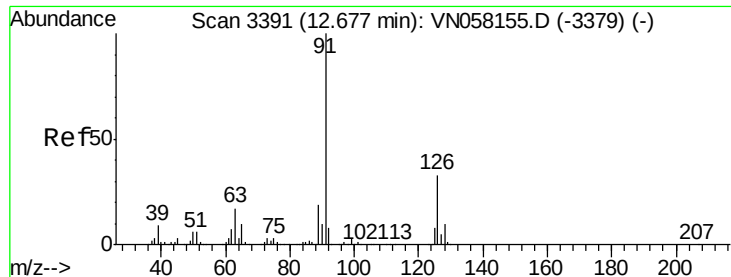
120 21.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.061 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

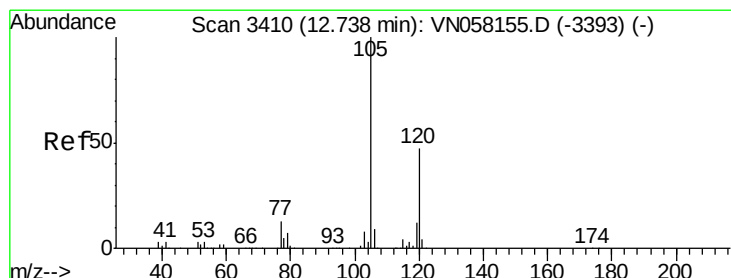
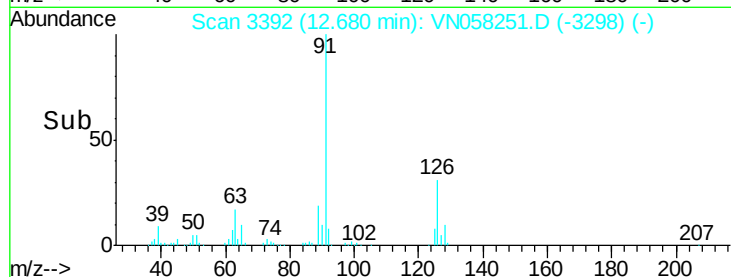
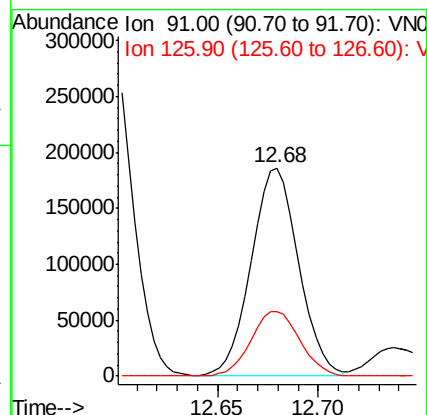
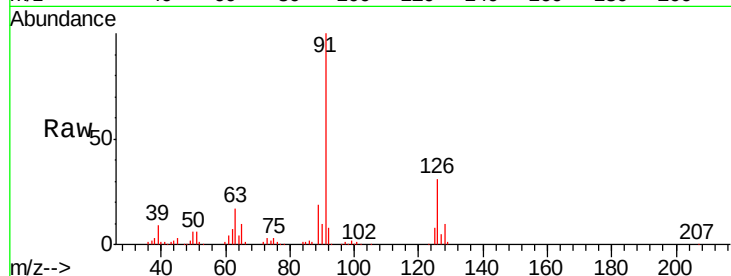
VN0920WBS02

Tgt Ion: 91 Resp: 303500

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 21.640 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058251.D

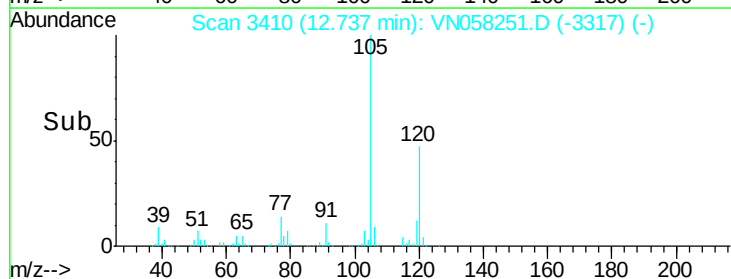
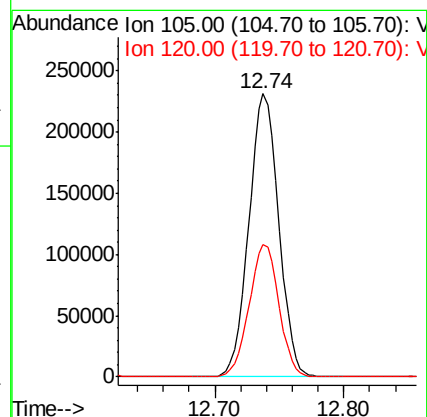
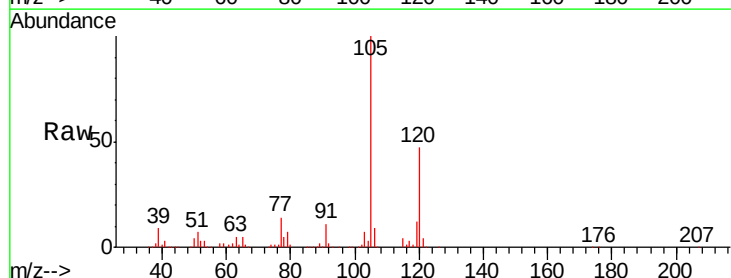
Acq: 20 Sep 2019 15:36

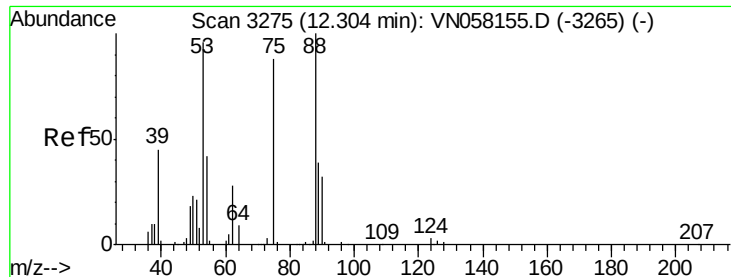
Tgt Ion: 105 Resp: 371320

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.178 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

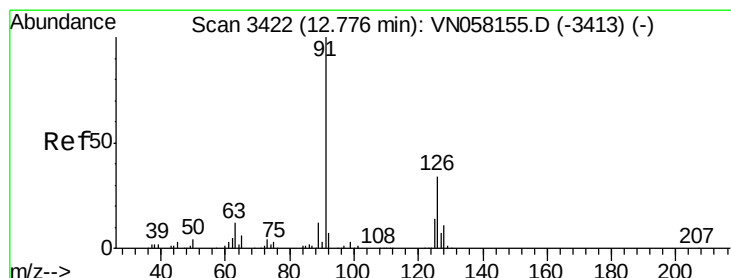
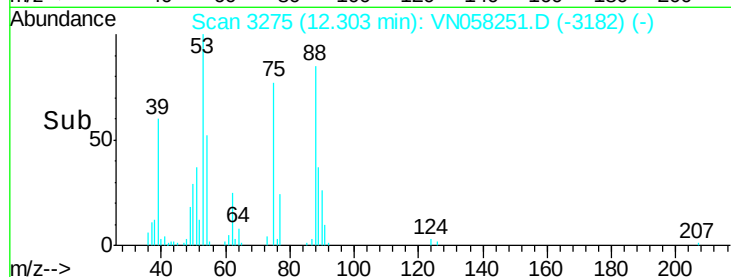
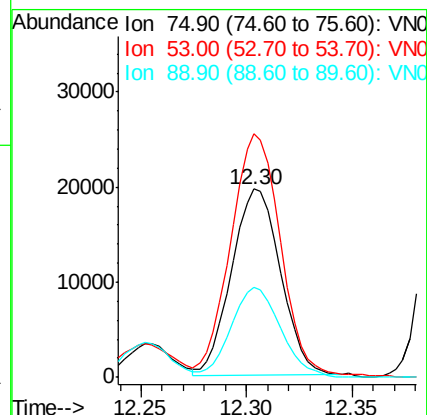
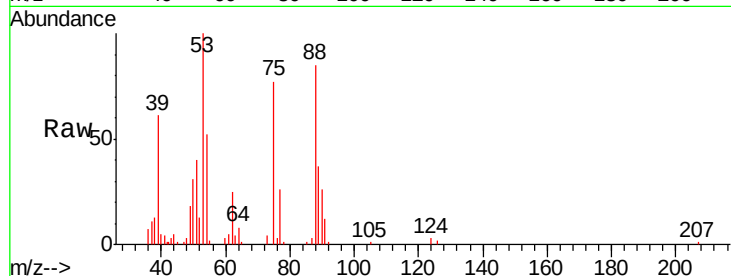
Tgt Ion: 75 Resp: 31735

Ion Ratio Lower Upper

75 100

53 134.1 90.1 135.1

89 48.7 36.2 54.2



#82

4-Chlorotoluene

Concen: 20.624 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058251.D

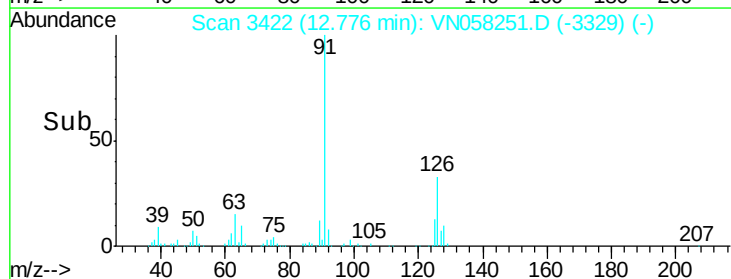
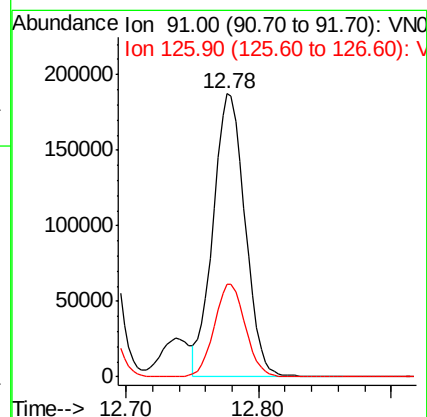
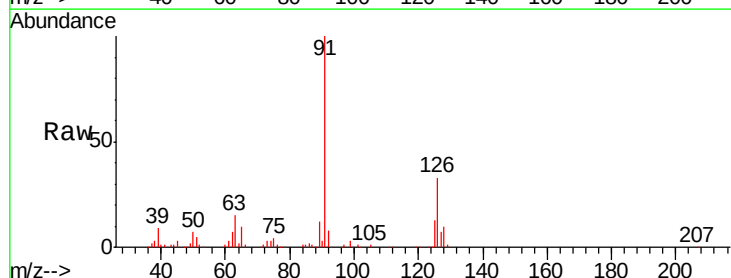
Acq: 20 Sep 2019 15:36

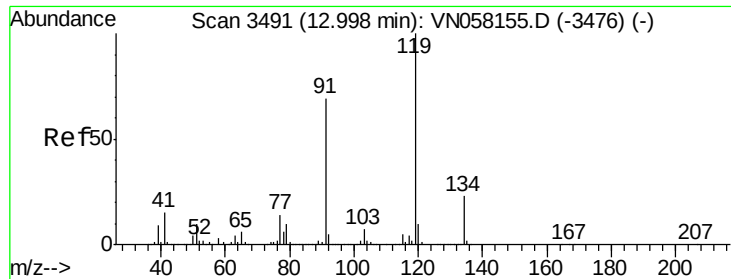
Tgt Ion: 91 Resp: 312417

Ion Ratio Lower Upper

91 100

126 31.9 15.7 47.1

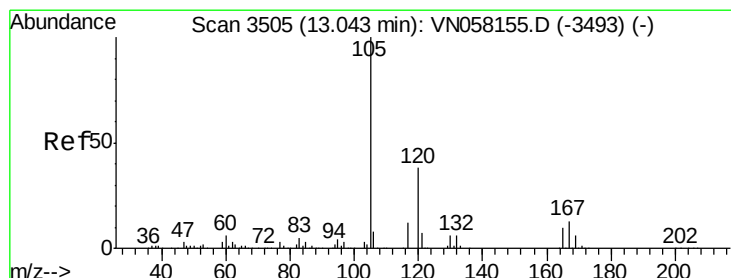
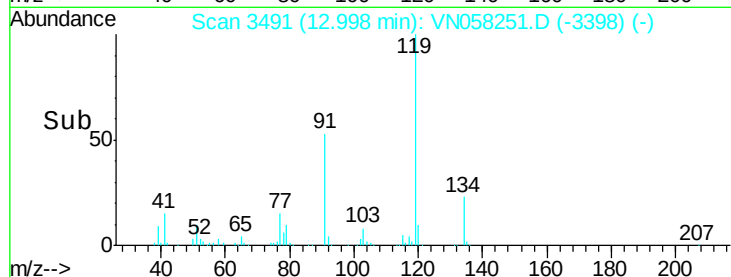
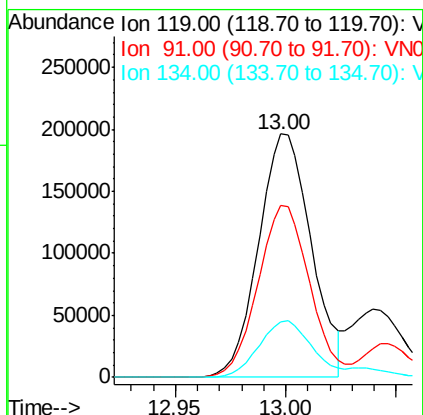
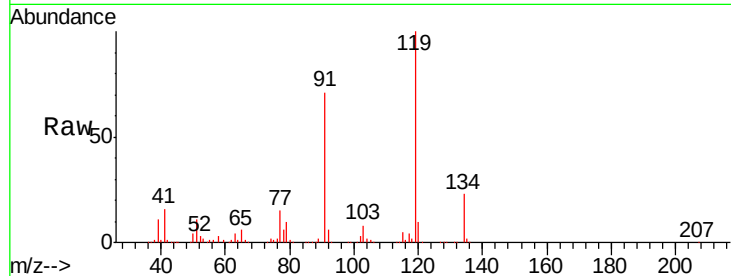




#83
 tert-Butylbenzene
 Concen: 21.251 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

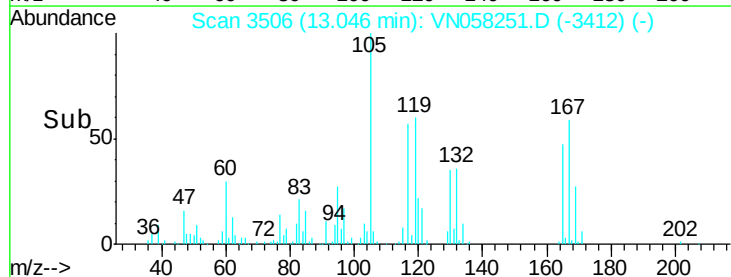
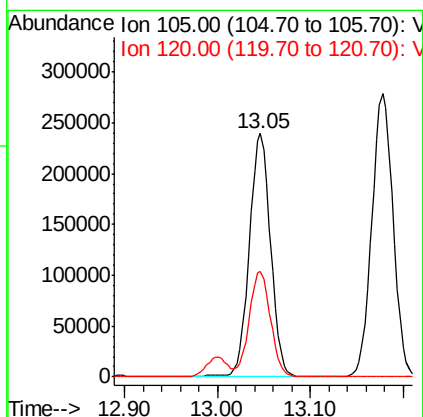
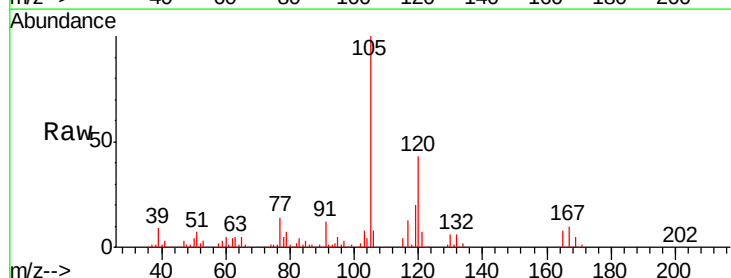
Instrument :
 MSVOA_N
 ClientSampled :
 VN0920WBS02

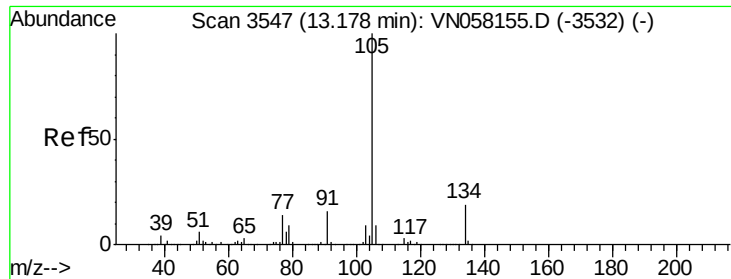
Tgt Ion:119 Resp: 325182
 Ion Ratio Lower Upper
 119 100
 91 68.8 33.8 101.3
 134 23.4 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.261 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion:105 Resp: 380122
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.1 66.5





#85

sec-Butylbenzene

Concen: 22.017 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

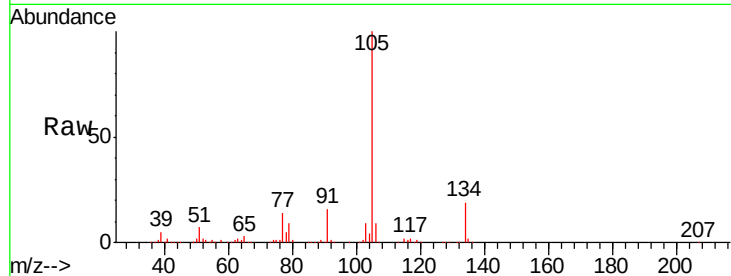
VN0920WBS02

Tgt Ion:105 Resp: 440560

Ion Ratio Lower Upper

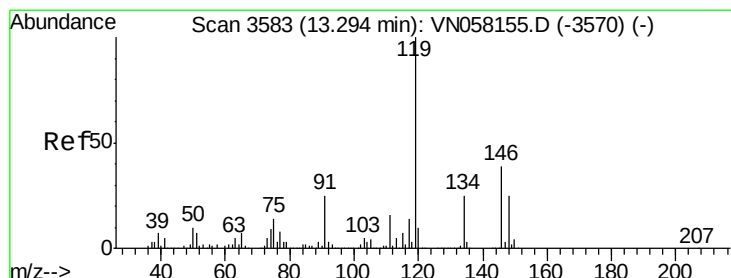
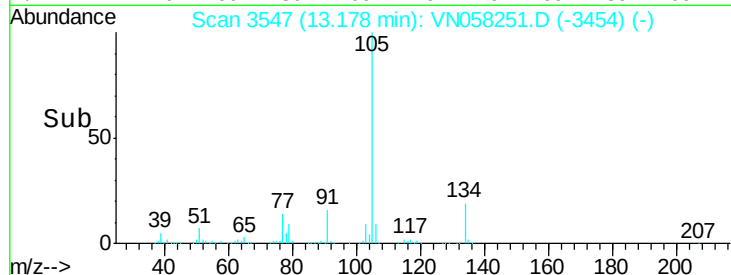
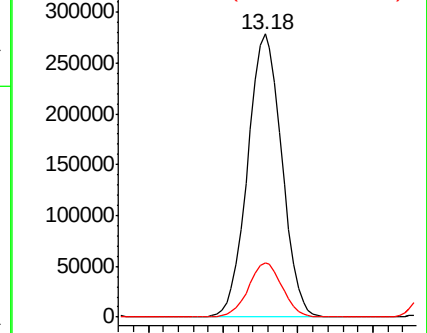
105 100

134 19.2 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.938 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

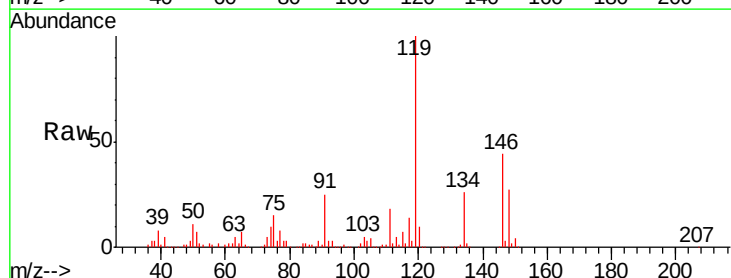
Tgt Ion:119 Resp: 390258

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.0

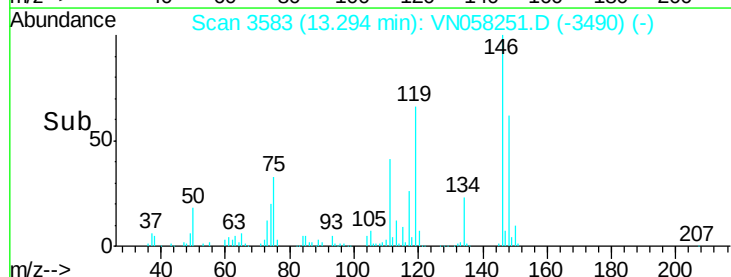
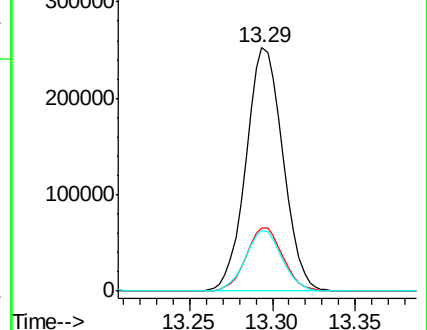
91 24.8 12.3 36.8

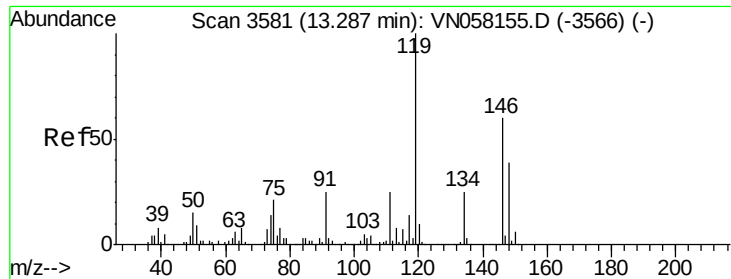


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

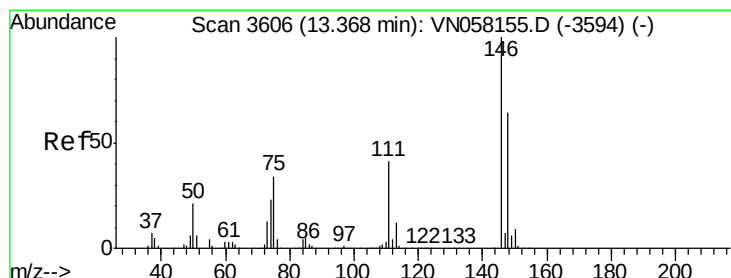
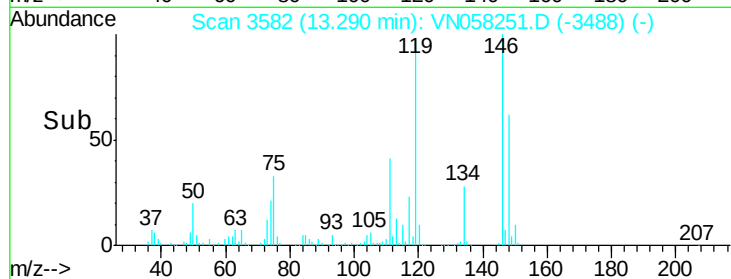
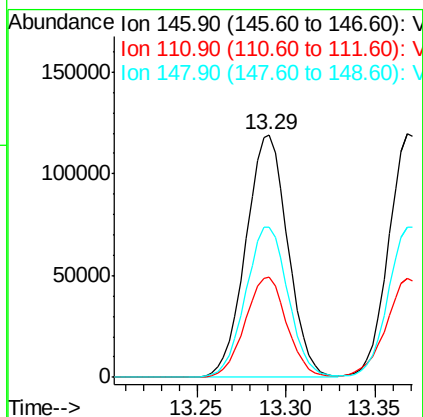
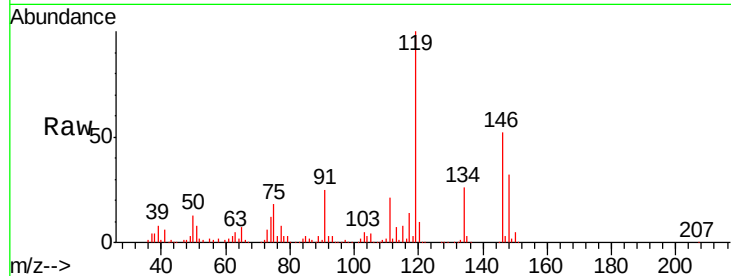




#87
 1,3-Dichlorobenzene
 Concen: 20.991 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

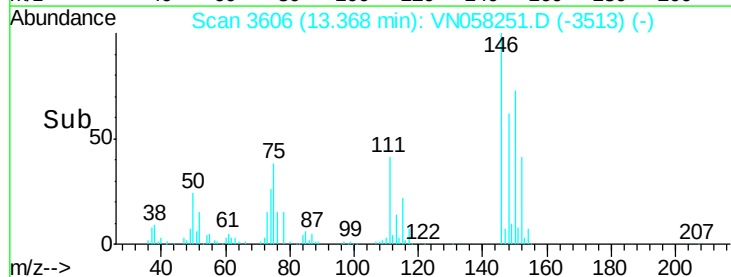
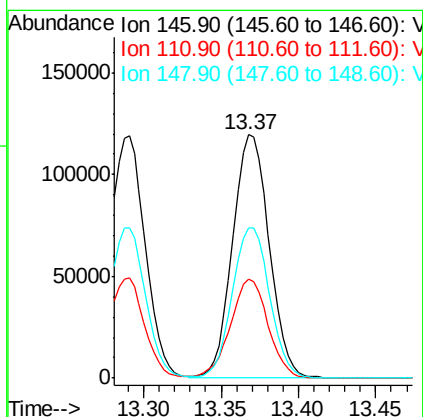
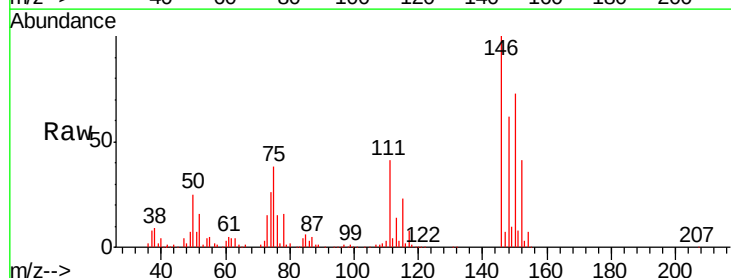
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

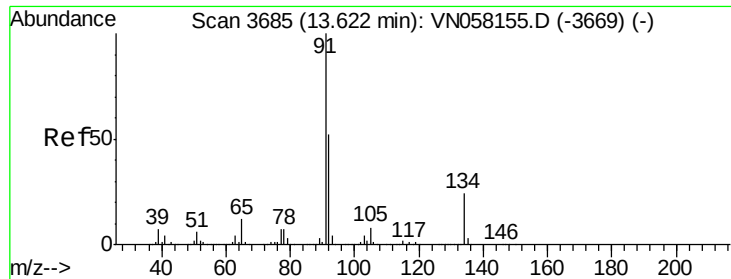
Tgt Ion:146 Resp: 195697
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.9 62.8
 148 62.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.586 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion:146 Resp: 195933
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.5 61.5
 148 63.1 31.9 95.5





#89

n-Butylbenzene

Concen: 21.392 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampled :

VN0920WBS02

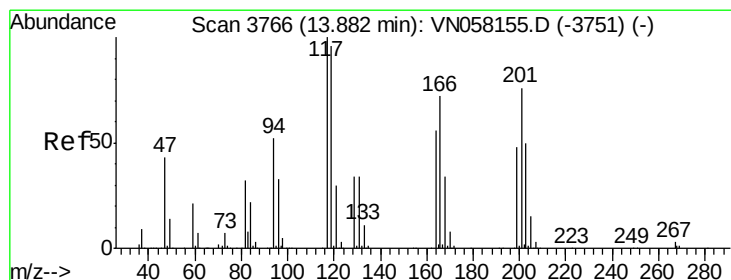
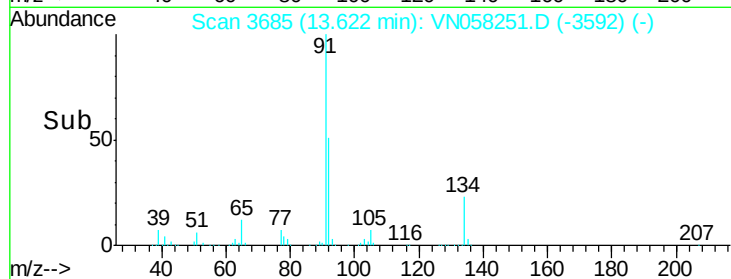
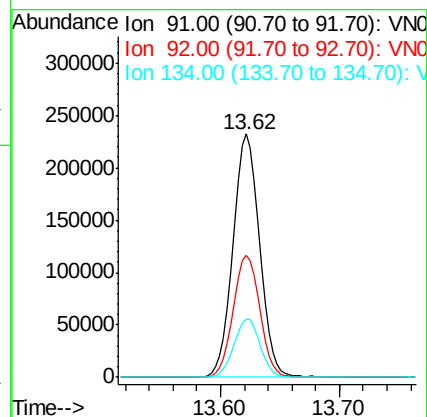
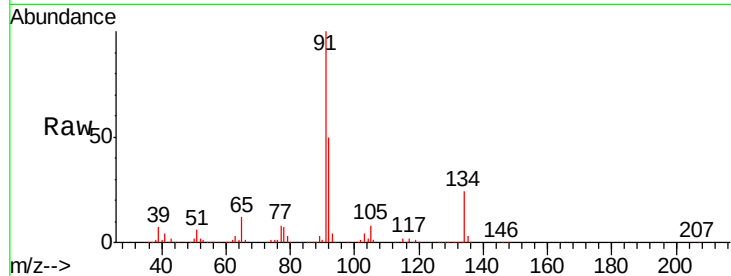
Tgt Ion: 91 Resp: 360792

Ion Ratio Lower Upper

91 100

92 50.3 25.7 77.0

134 23.8 11.8 35.4



#90

Hexachloroethane

Concen: 20.368 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058251.D

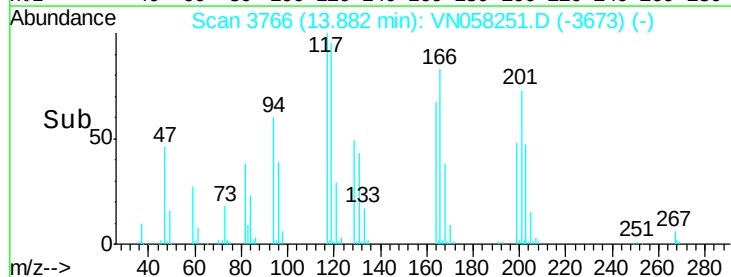
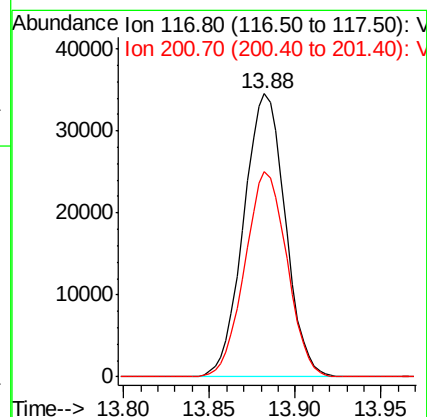
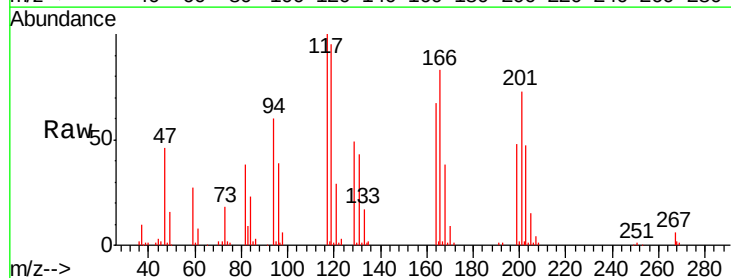
Acq: 20 Sep 2019 15:36

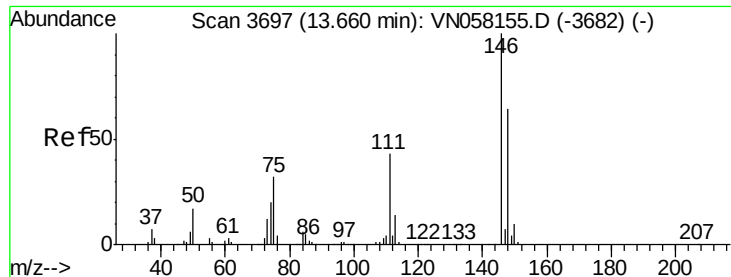
Tgt Ion: 117 Resp: 58007

Ion Ratio Lower Upper

117 100

201 73.2 37.5 112.5

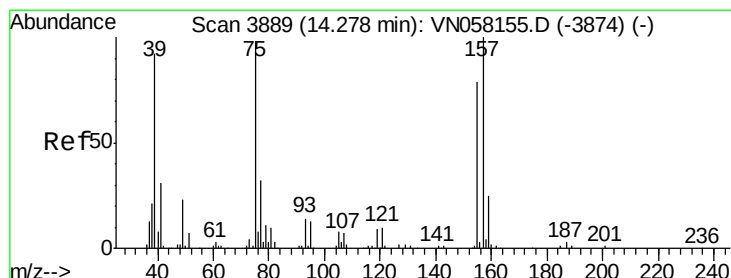
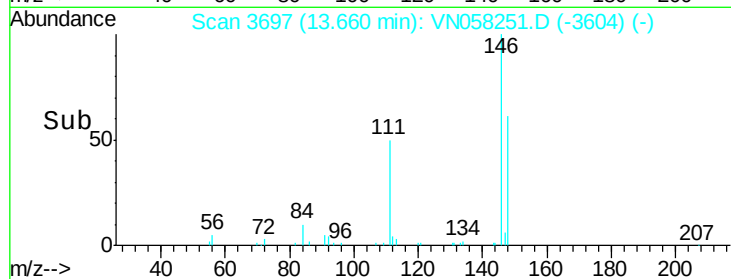
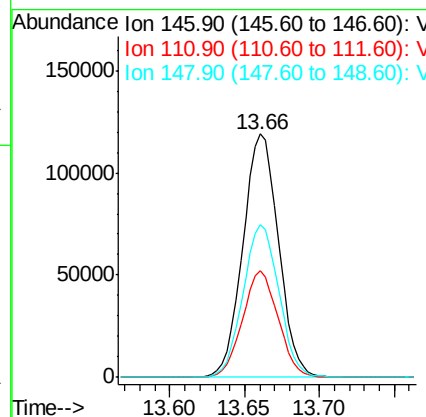
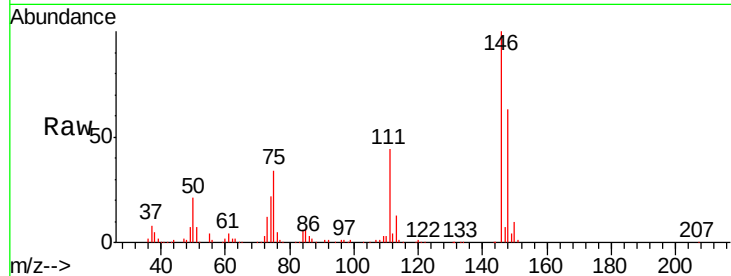




#91
 1,2-Dichlorobenzene
 Concen: 21.127 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

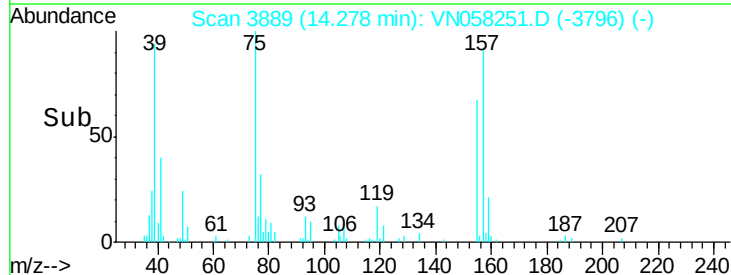
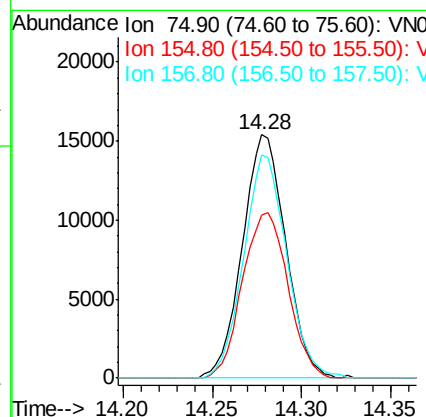
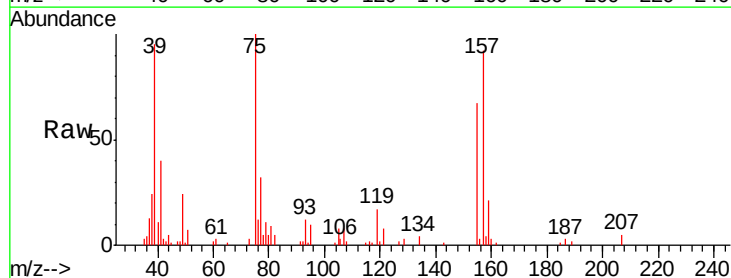
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

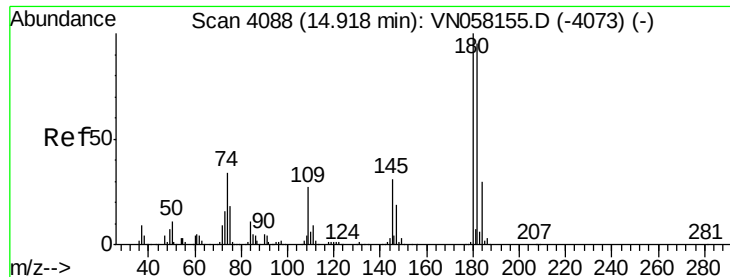
Tgt Ion: 146 Resp: 197578
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.1 63.1
 148 63.2 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.409 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion: 75 Resp: 26191
 Ion Ratio Lower Upper
 75 100
 155 71.3 38.3 114.8
 157 91.3 48.0 144.0

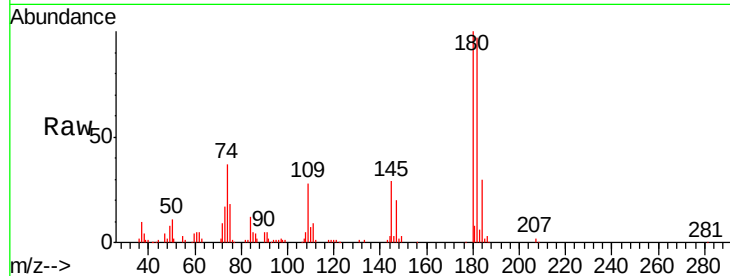




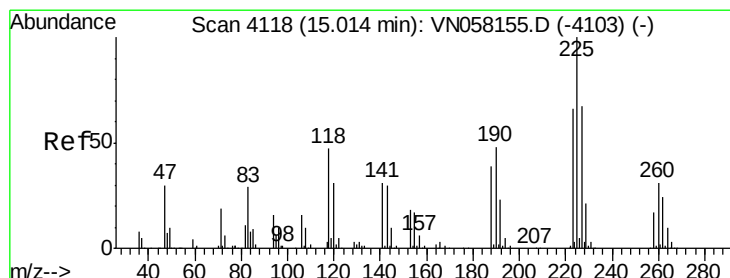
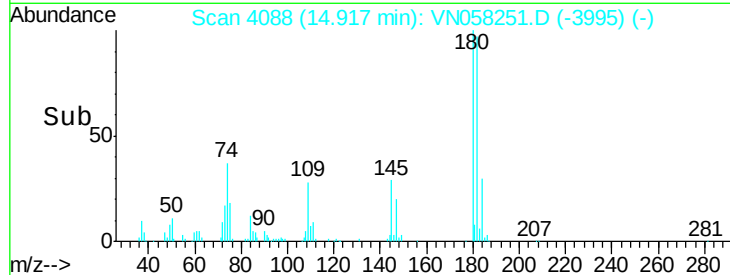
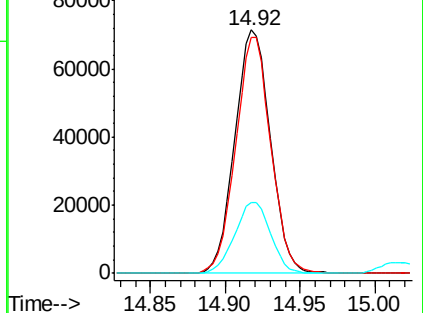
#93
 1,2,4-Trichlorobenzene
 Concen: 19.822 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Tgt Ion:180 Resp: 118438
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.8 143.3
 145 29.5 15.4 46.4

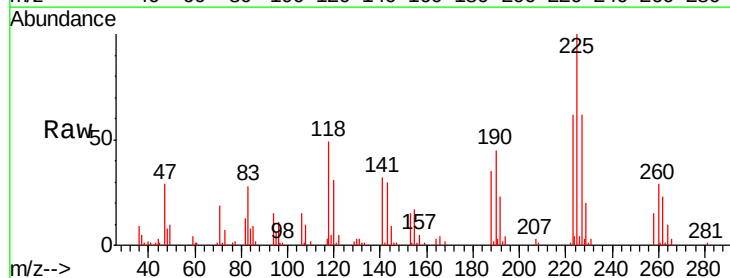


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

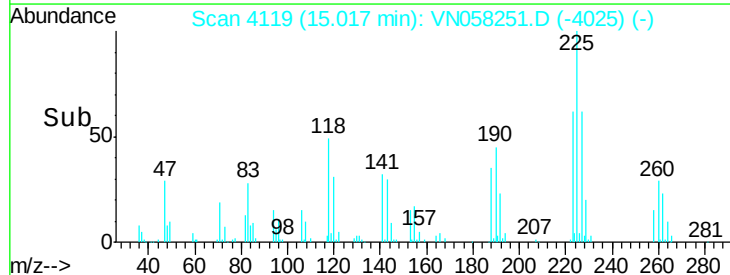
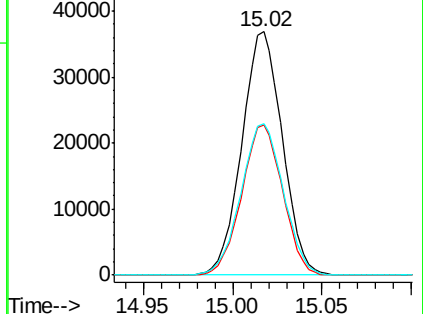


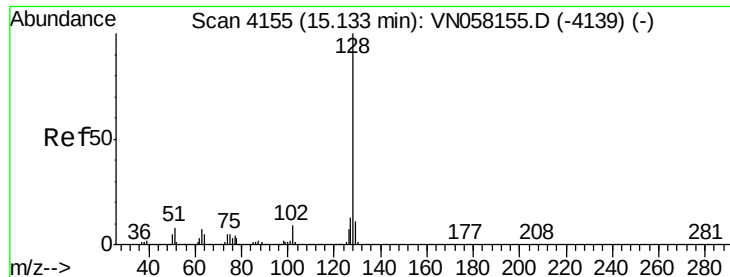
#94
 Hexachlorobutadiene
 Concen: 20.297 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058251.D
 Acq: 20 Sep 2019 15:36

Tgt Ion:225 Resp: 58617
 Ion Ratio Lower Upper
 225 100
 223 61.9 32.6 97.7
 227 65.0 33.0 99.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.005 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS02

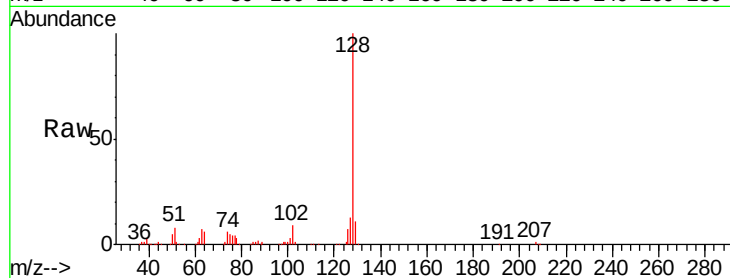
Tgt Ion:128 Resp: 325260

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

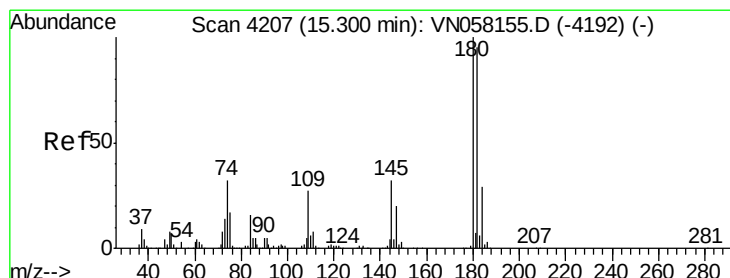
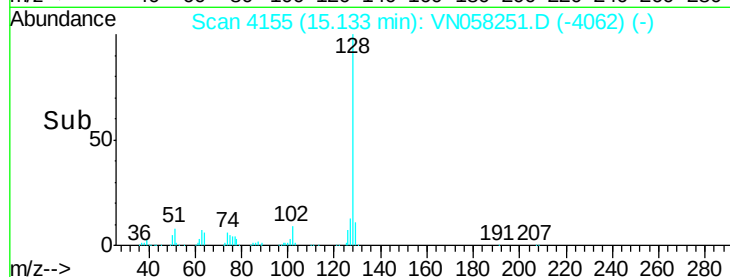
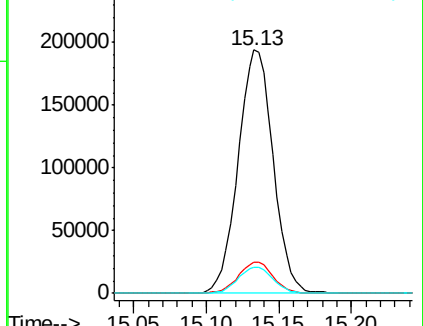
129 10.8 8.6 12.8



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: 20.470 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058251.D

Acq: 20 Sep 2019 15:36

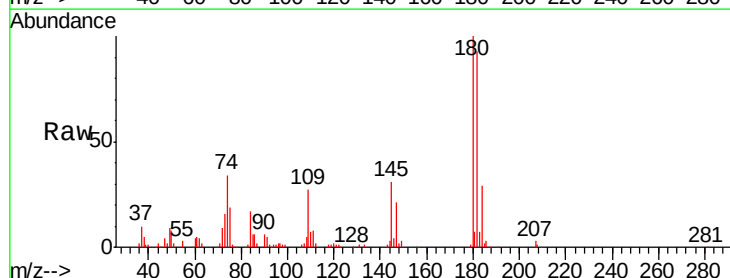
Tgt Ion:180 Resp: 115603

Ion Ratio Lower Upper

180 100

182 94.0 47.4 142.2

145 31.4 16.1 48.2



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

