

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058846.D
 Acq On : 18 Oct 2019 9:59
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 23:53:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	419708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	672596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	631707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	307425	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	7.57	113	221491	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	10.08	98	867232	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.40	95	319057	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	260300	49.900	ug/l 100
3) Chloromethane	2.04	50	315410	50.288	ug/l 100
4) Vinyl Chloride	2.17	62	318478	51.033	ug/l 100
5) Bromomethane	2.54	94	199785	52.007	ug/l 100
6) Chloroethane	2.68	64	200267	51.744	ug/l 100
7) Trichlorofluoromethane	3.00	101	400673	52.925	ug/l 100
8) Diethyl Ether	3.39	74	133100	48.625	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	212182	49.832	ug/l 100
10) Methyl Iodide	3.93	142	290077	50.298	ug/l 100
11) Tert butyl alcohol	4.75	59	246918	255.028	ug/l 100
12) 1,1-Dichloroethene	3.71	96	203967	50.381	ug/l 100
13) Acrolein	3.58	56	181048	237.969	ug/l 100
14) Allyl chloride	4.30	41	418439	50.981	ug/l 100
15) Acrylonitrile	4.96	53	662054	271.554	ug/l 100
16) Acetone	3.79	43	799326	311.938	ug/l 100
17) Carbon Disulfide	4.03	76	659529	50.644	ug/l 100
18) Methyl Acetate	4.30	43	326945	52.259	ug/l 100
19) Methyl tert-butyl Ether	5.01	73	741122	51.303	ug/l 100
20) Methylene Chloride	4.53	84	241473	47.280	ug/l 100
21) trans-1,2-Dichloroethene	5.01	96	227715	50.323	ug/l 100
22) Diisopropyl ether	5.92	45	846010	52.906	ug/l 100
23) Vinyl Acetate	5.87	43	3649258	282.732	ug/l 100
24) 1,1-Dichloroethane	5.82	63	462499	51.013	ug/l 100
25) 2-Butanone	6.81	43	1028315	284.354	ug/l 100
26) 2,2-Dichloropropane	6.80	77	405829	49.089	ug/l 100
27) cis-1,2-Dichloroethene	6.81	96	263482	49.817	ug/l 100
28) Bromochloromethane	7.17	49	157530	50.032	ug/l 100
29) Tetrahydrofuran	7.19	42	632583	273.314	ug/l 100
30) Chloroform	7.35	83	460816	50.437	ug/l 100
31) Cyclohexane	7.63	56	432066	49.668	ug/l 100
32) 1,1,1-Trichloroethane	7.55	97	403241	51.908	ug/l 100
36) 1,1-Dichloropropene	7.77	75	355593	51.773	ug/l 100
37) Ethyl Acetate	6.90	43	397152	56.550	ug/l 100
38) Carbon Tetrachloride	7.75	117	353485	52.819	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	408861	51.577	ug/l	100
40) Benzene	8.02	78	1033801	52.295	ug/l	100
41) Methacrylonitrile	7.18	41	572229	179.571	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	390274	51.453	ug/l	100
43) Isopropyl Acetate	8.15	43	623613	52.531	ug/l	100
44) Trichloroethene	8.82	130	247826	50.760	ug/l	100
45) 1,2-Dichloropropane	9.11	63	281455	53.110	ug/l	100
46) Dibromomethane	9.20	93	175858	52.520	ug/l	100
47) Bromodichloromethane	9.39	83	366140	53.584	ug/l	100
48) Methyl methacrylate	9.19	41	294984	54.660	ug/l	100
49) 1,4-Dioxane	9.19	88	91719	1092.322	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1963817	292.580	ug/l	100
52) Toluene	10.15	92	634562	52.593	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	419090	53.516	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	449673	54.001	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	245516	49.684	ug/l	100
56) Ethyl methacrylate	10.42	69	398158	55.151	ug/l	100
57) 1,3-Dichloropropane	10.70	76	444244	52.646	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	861950	252.438	ug/l	100
59) 2-Hexanone	10.75	43	1529670	293.991	ug/l	100
60) Dibromochloromethane	10.90	129	273683	53.640	ug/l	100
61) 1,2-Dibromoethane	11.00	107	260157	52.520	ug/l	100
64) Tetrachloroethene	10.63	164	222691	50.079	ug/l	100
65) Chlorobenzene	11.43	112	658162	51.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	247579	51.839	ug/l	100
67) Ethyl Benzene	11.51	91	1234443	53.681	ug/l	100
68) m/p-Xylenes	11.62	106	917522	106.356	ug/l	100
69) o-Xylene	11.95	106	431405	51.745	ug/l	100
70) Styrene	11.97	104	725669	53.133	ug/l	100
71) Bromoform	12.13	173	193863	55.009	ug/l #	100
73) Isopropylbenzene	12.25	105	1182419	52.434	ug/l	100
74) N-amyl acetate	12.07	43	562616	55.090	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	393606	52.561	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	532736	76.580	ug/l #	100
77) Bromobenzene	12.53	156	278776	50.731	ug/l	100
78) n-propylbenzene	12.59	91	1421574	54.026	ug/l	100
79) 2-Chlorotoluene	12.68	91	829694	50.815	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1023351	53.155	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	142092	54.824	ug/l	100
82) 4-Chlorotoluene	12.78	91	867556	51.802	ug/l	100
83) tert-Butylbenzene	13.00	119	852055	51.674	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1032383	53.943	ug/l	100
85) sec-Butylbenzene	13.17	105	1173229	53.942	ug/l	100
86) p-Isopropyltoluene	13.29	119	1057234	53.619	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	509080	50.407	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	508416	49.446	ug/l	100
89) n-Butylbenzene	13.62	91	967143	53.033	ug/l	100
90) Hexachloroethane	13.88	117	192978	54.152	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	503547	51.051	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	87403	49.833	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	297467	49.895	ug/l	100
94) Hexachlorobutadiene	15.01	225	159492	50.338	ug/l	100
95) Naphthalene	15.13	128	864836	50.582	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	288143	49.402	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

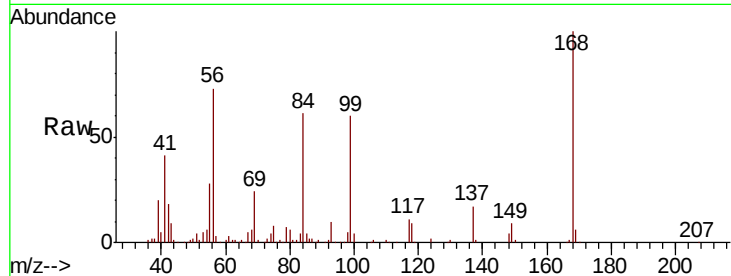
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 419708

Ion Ratio Lower Upper

168 100

99 60.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

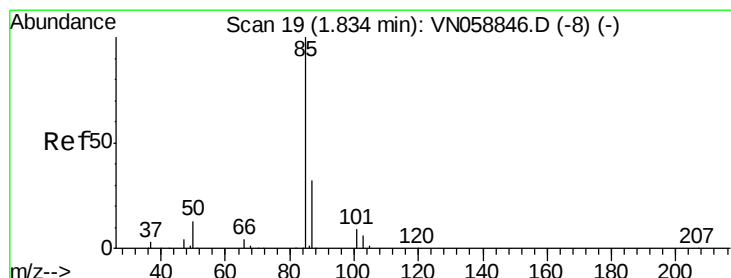
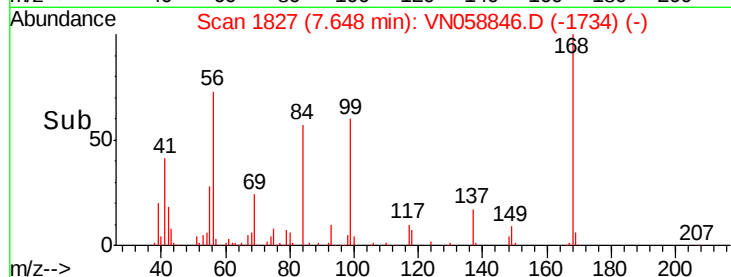
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.900 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058846.D

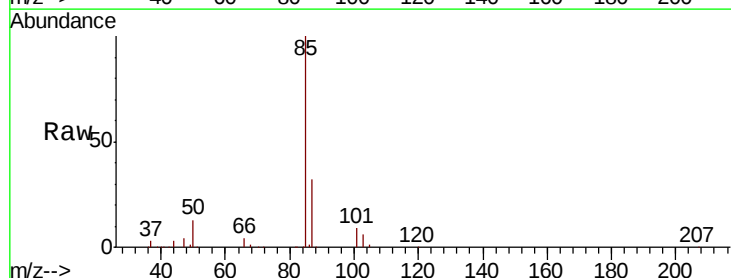
Acq: 18 Oct 2019 9:59

Tgt Ion: 85 Resp: 260300

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

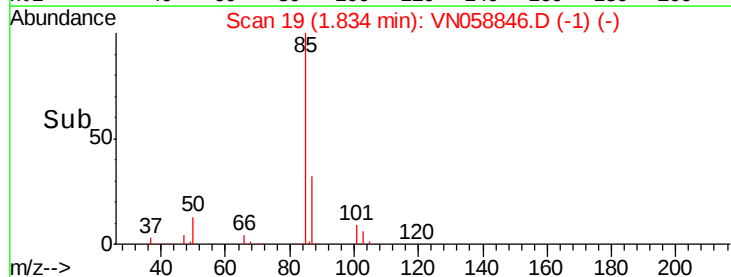
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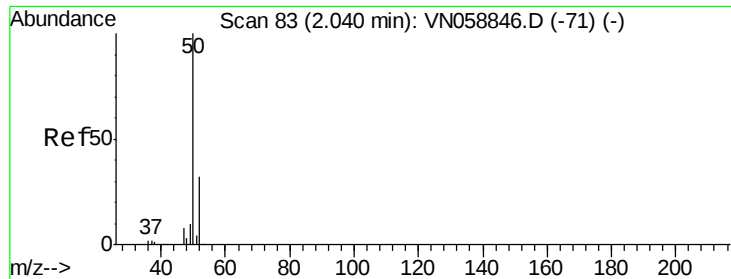
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 50.288 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

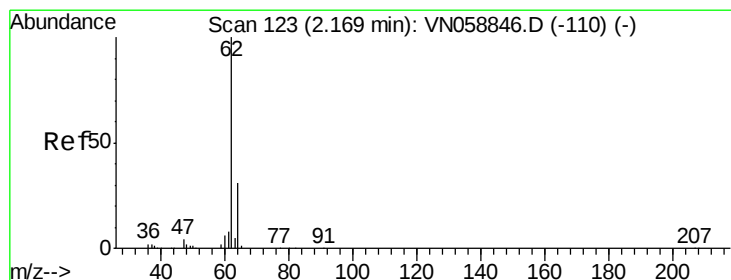
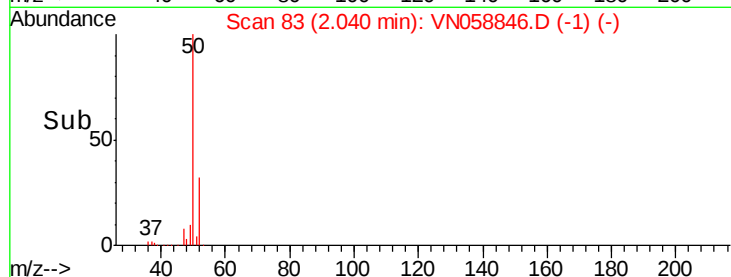
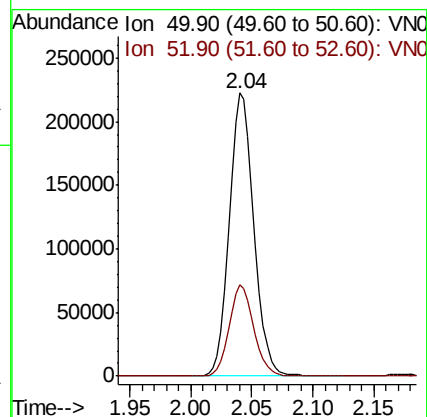
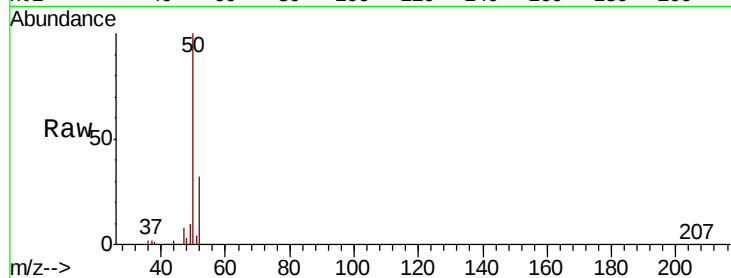
ClientSampled :

Tot Ion: 50 Resp: 315410

Ion Ratio Lower Upper

50 100

52 32.1 25.7 38.5



#4

Vinyl Chloride

Concen: 51.033 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058846.D

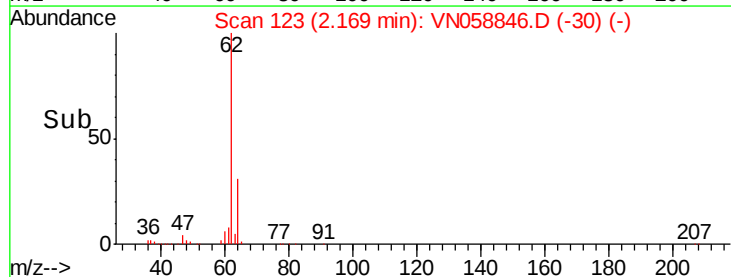
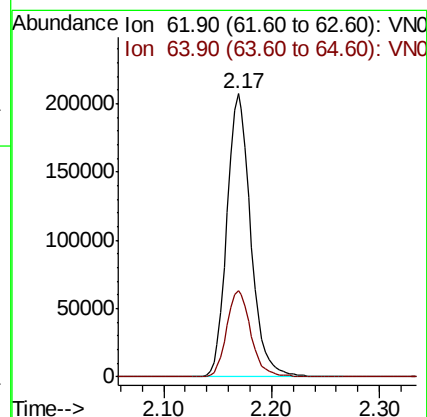
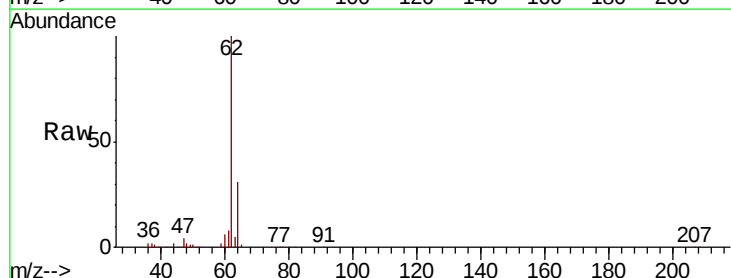
Acq: 18 Oct 2019 9:59

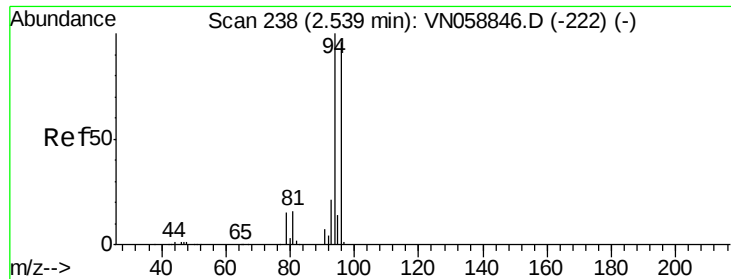
Tgt Ion: 62 Resp: 318478

Ion Ratio Lower Upper

62 100

64 30.7 24.6 36.8





#5

Bromomethane

Concen: 52.007 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

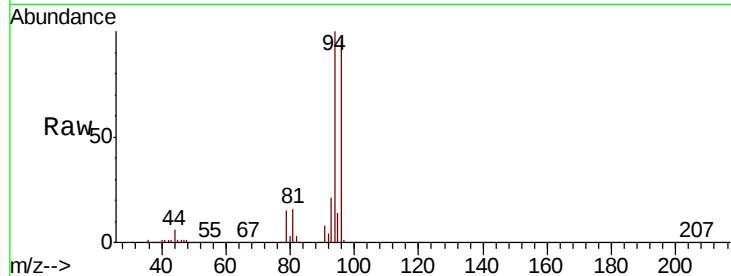
ClientSampleId :

Tot Ion: 94 Resp: 199785

Ion Ratio Lower Upper

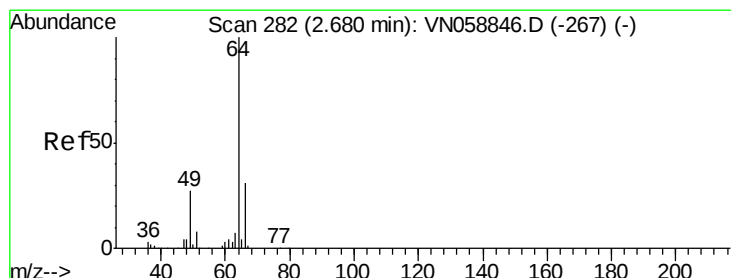
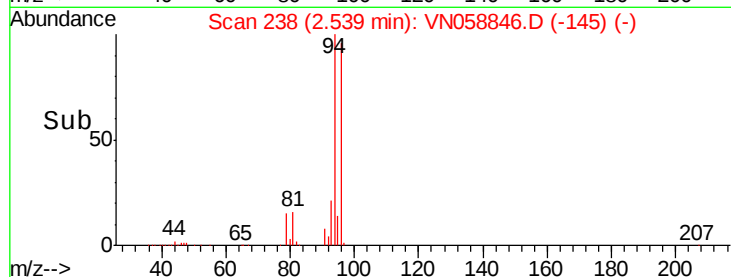
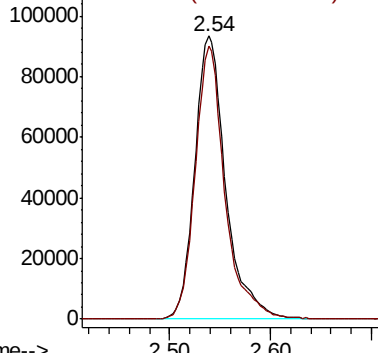
94 100

96 96.3 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 51.744 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058846.D

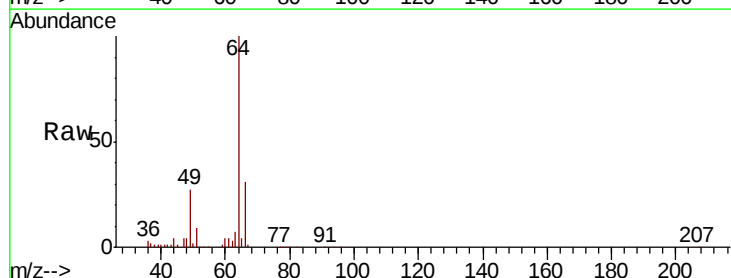
Acq: 18 Oct 2019 9:59

Tgt Ion: 64 Resp: 200267

Ion Ratio Lower Upper

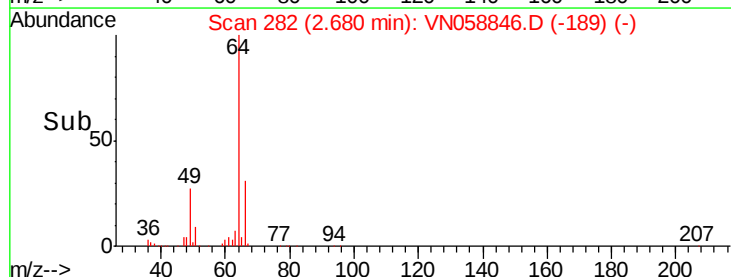
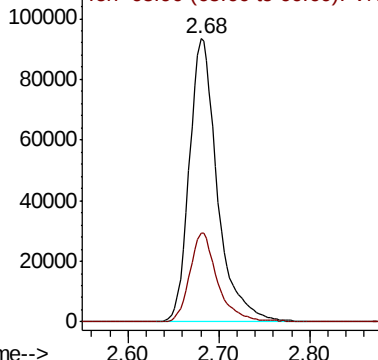
64 100

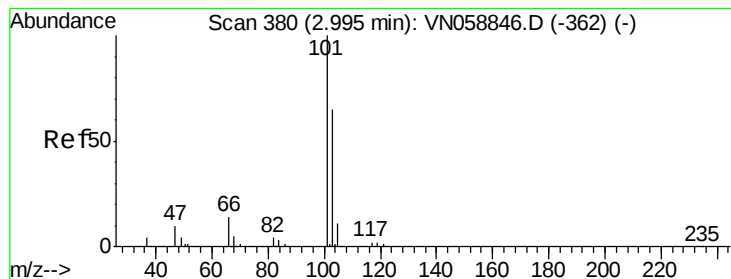
66 31.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



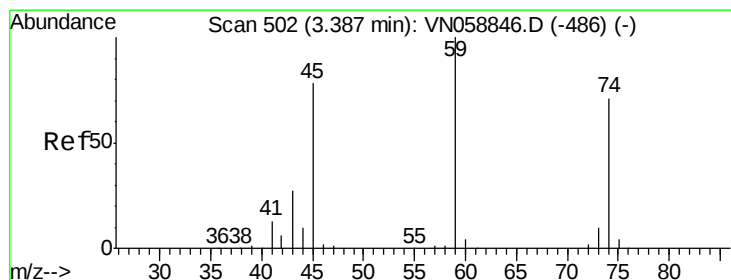
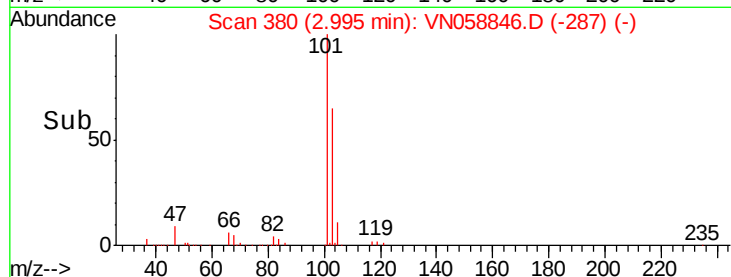
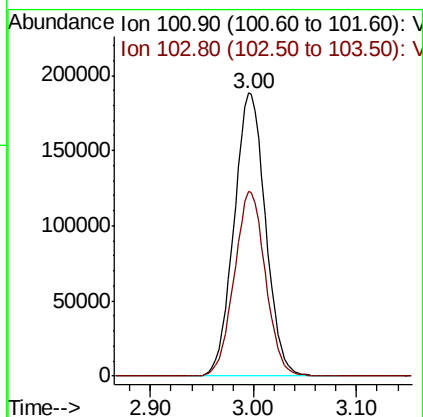
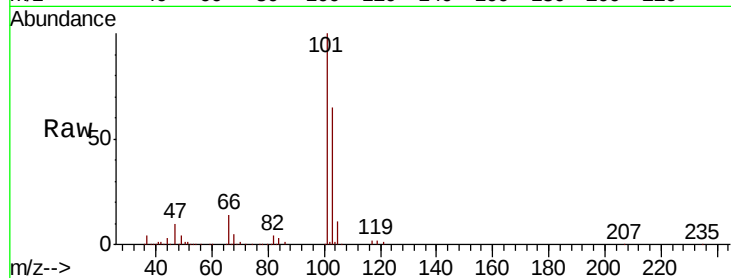


#7

Trichlorofluoromethane
Concen: 52.925 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058846.D
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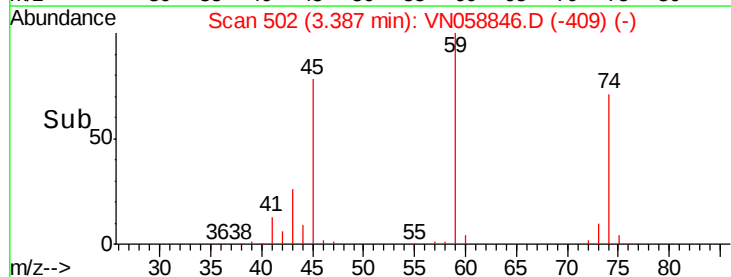
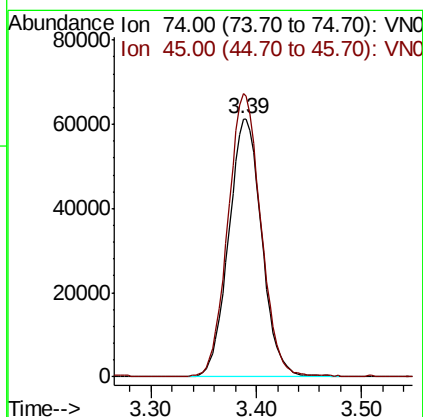
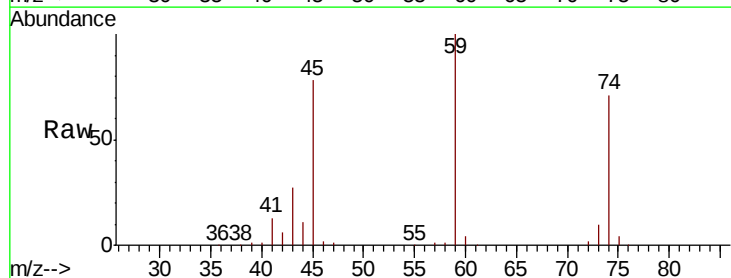
Tot Ion:101 Resp: 400673
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.2

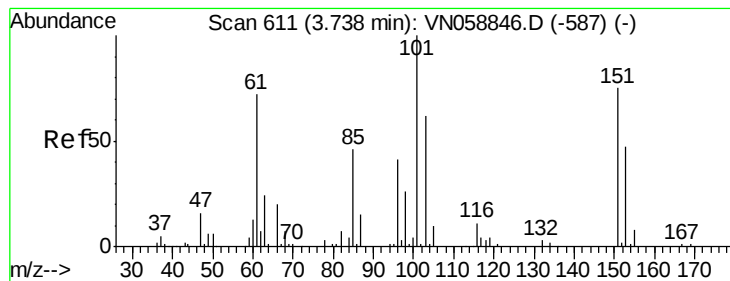


#8

Diethyl Ether
Concen: 48.625 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 74 Resp: 133100
Ion Ratio Lower Upper
74 100
45 109.7 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.832 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampled :

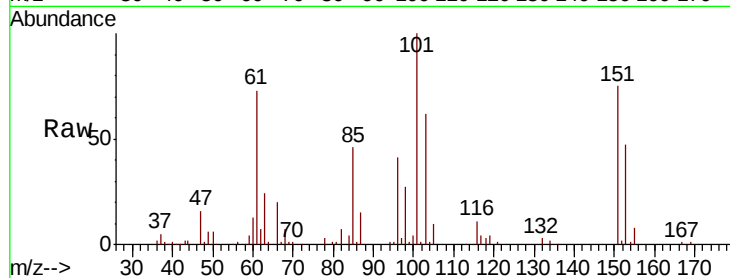
Tot Ion:101 Resp: 212182

Ion Ratio Lower Upper

101 100

85 46.5 37.2 55.8

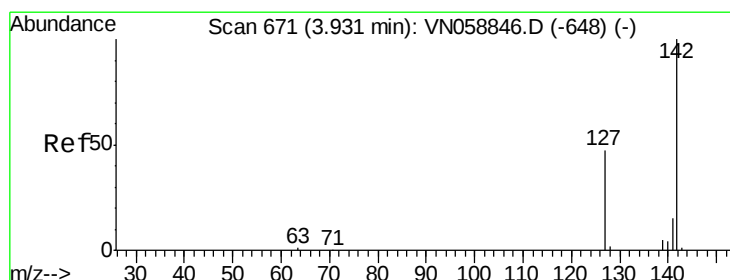
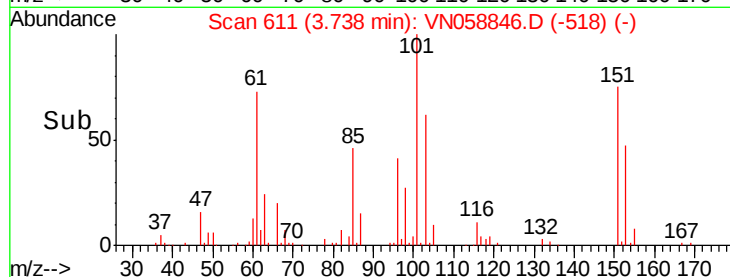
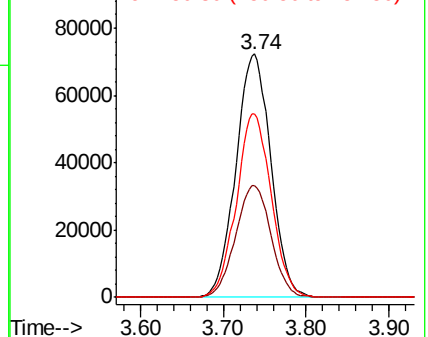
151 74.9 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.298 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

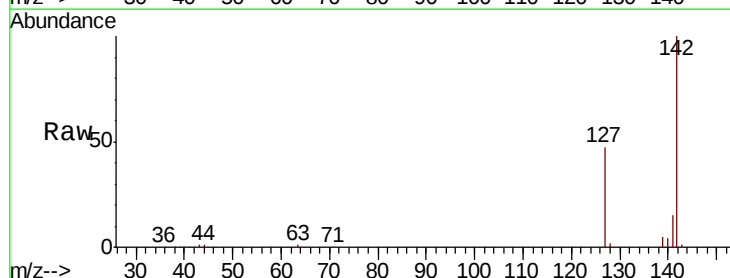
Tgt Ion:142 Resp: 290077

Ion Ratio Lower Upper

142 100

127 45.7 36.6 54.8

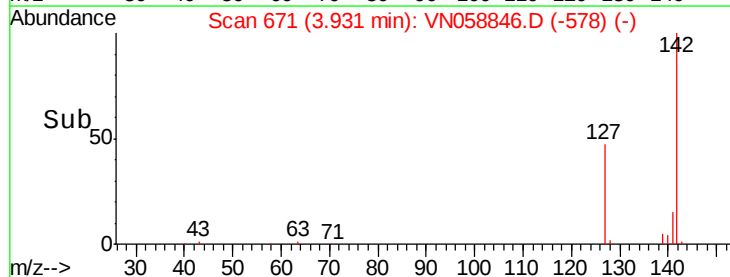
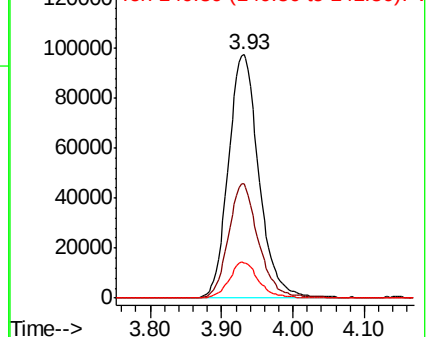
141 14.3 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



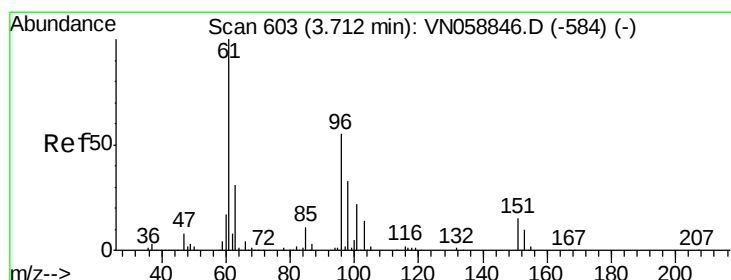
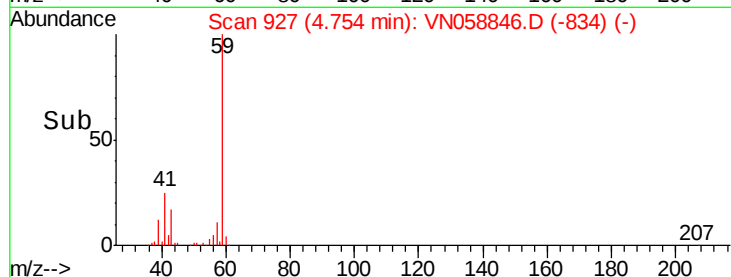
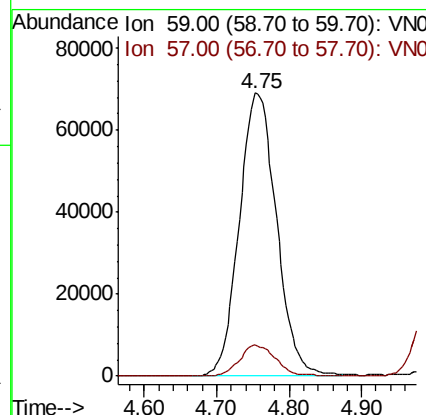
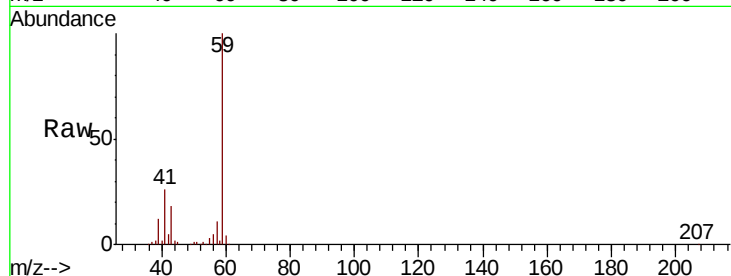


#11

Tert butyl alcohol
Concen: 255.028 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :

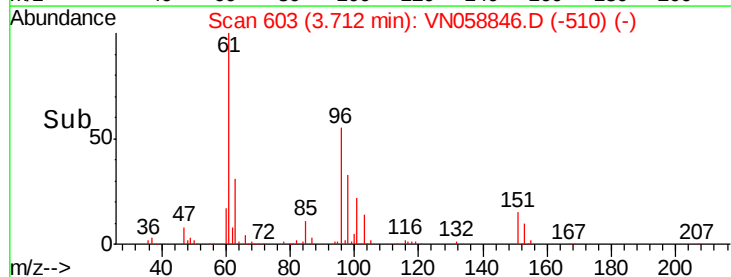
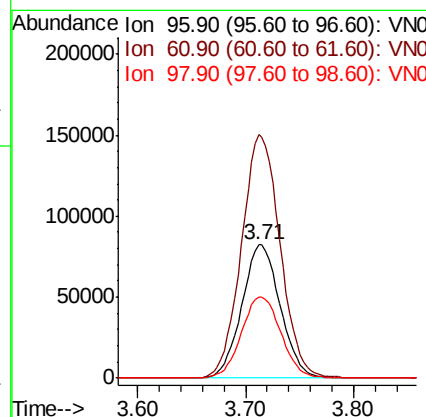
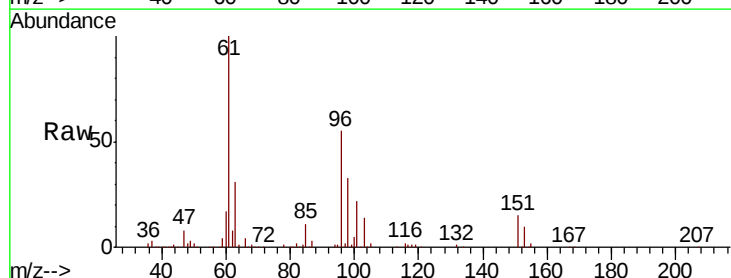
Tot Ion: 59 Resp: 246918
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

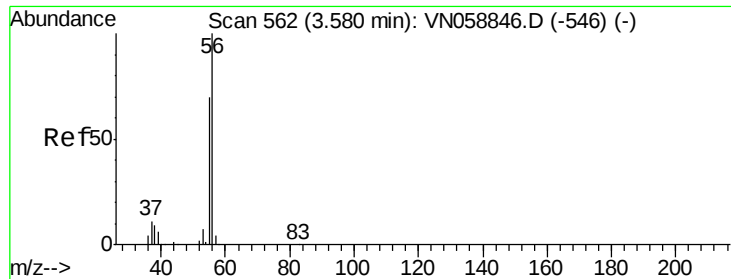


#12

1,1-Dichloroethene
Concen: 50.381 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 96 Resp: 203967
Ion Ratio Lower Upper
96 100
61 182.7 146.2 219.2
98 60.9 48.7 73.1

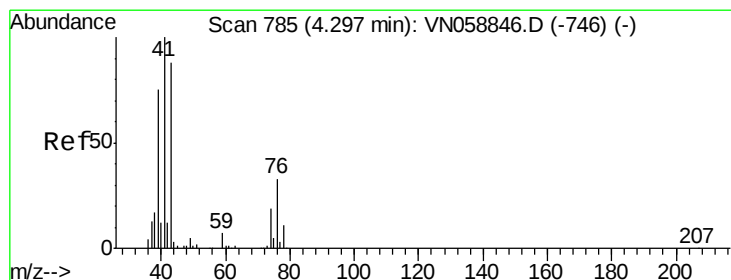
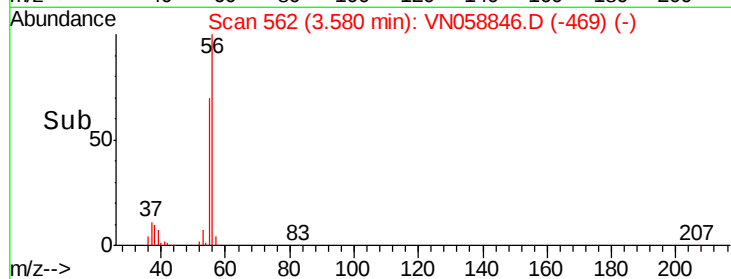
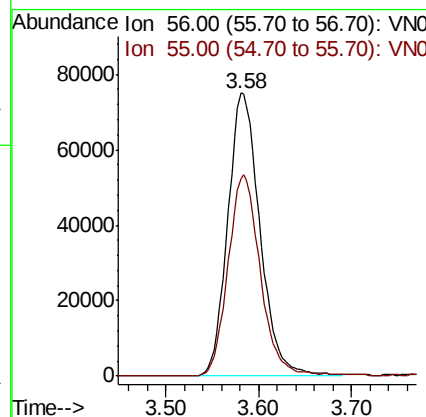
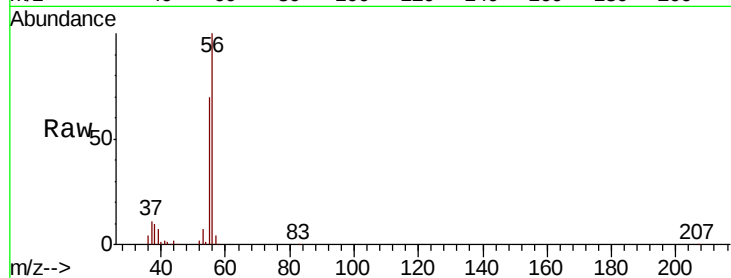




#13
 Acrolein
 Concen: 237.969 ug/l
 RT: 3.58 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

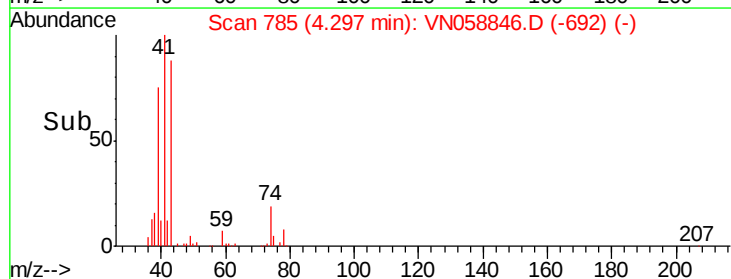
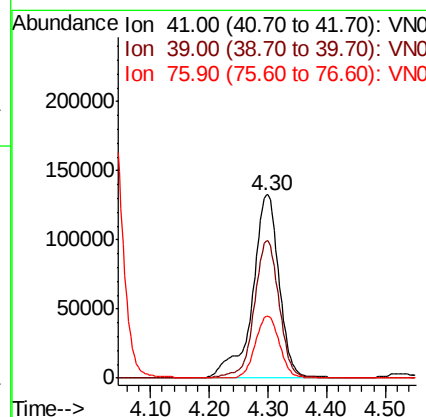
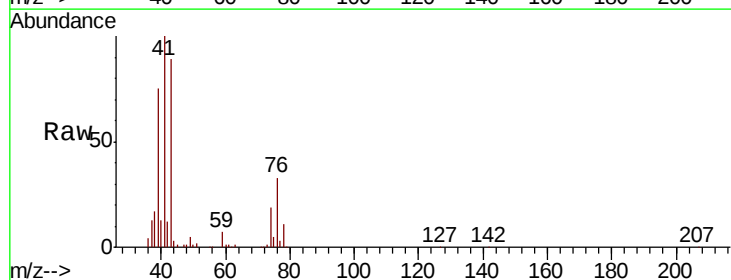
Instrument :
 MSVOA_N
 ClientSampleId :

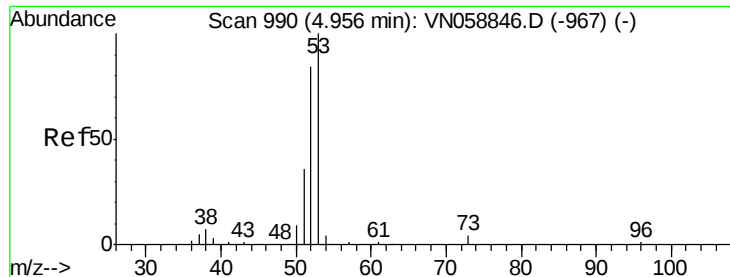
Tot Ion: 56 Resp: 181048
 Ion Ratio Lower Upper
 56 100
 55 70.8 56.6 85.0



#14
 Allyl chloride
 Concen: 50.981 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion: 41 Resp: 418439
 Ion Ratio Lower Upper
 41 100
 39 69.9 55.9 83.9
 76 30.1 24.1 36.1





#15

Acrylonitrile

Concen: 271.554 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampled :

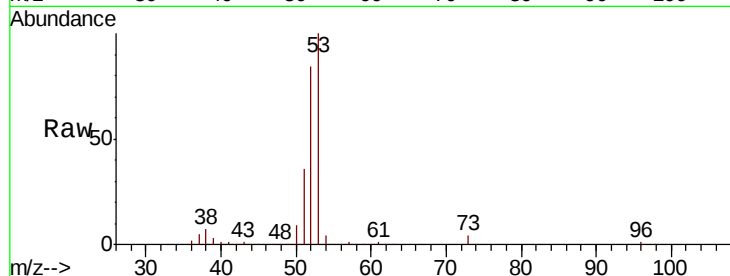
Tot Ion: 53 Resp: 662054

Ion Ratio Lower Upper

53 100

52 83.2 66.6 99.8

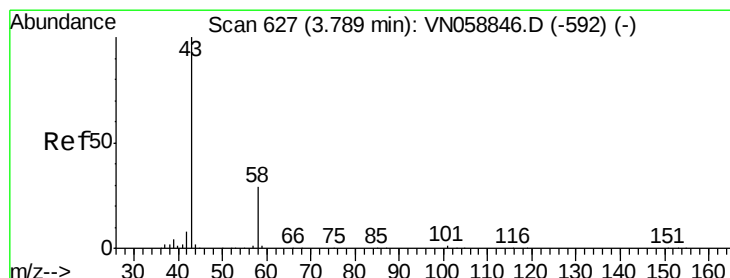
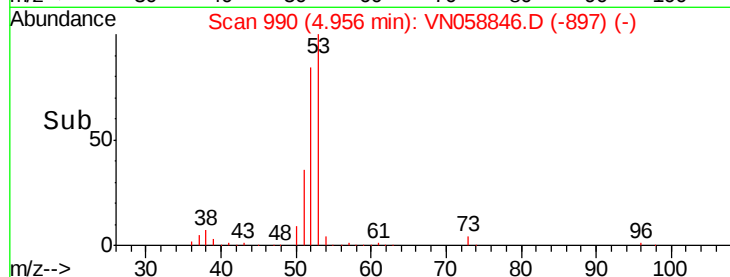
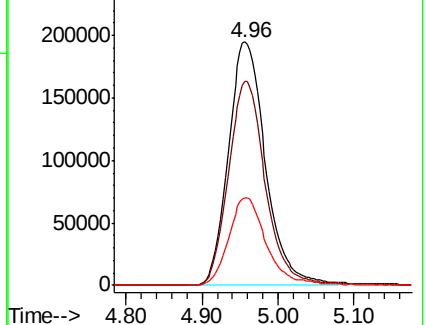
51 36.5 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 311.938 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN058846.D

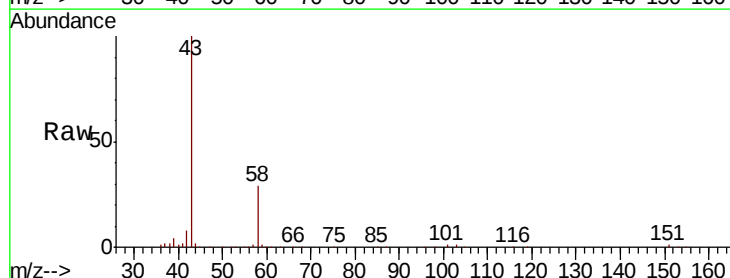
Acq: 18 Oct 2019 9:59

Tgt Ion: 43 Resp: 799326

Ion Ratio Lower Upper

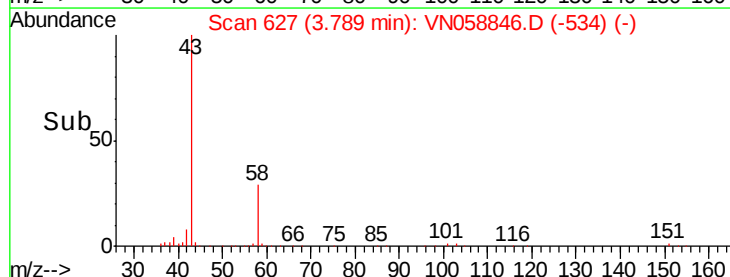
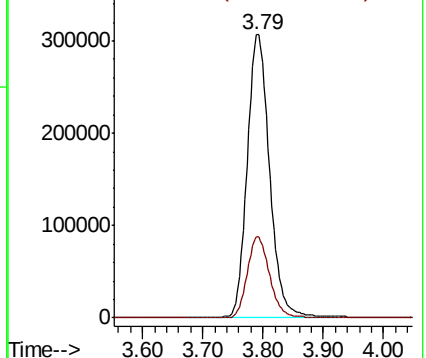
43 100

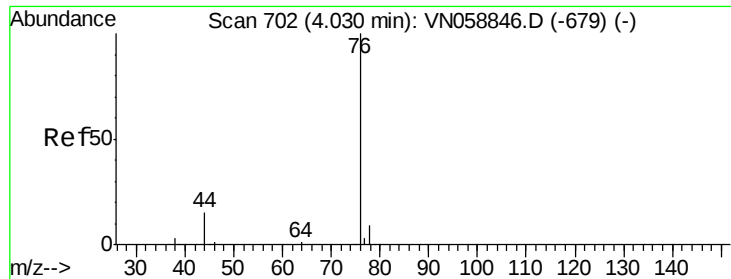
58 28.9 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

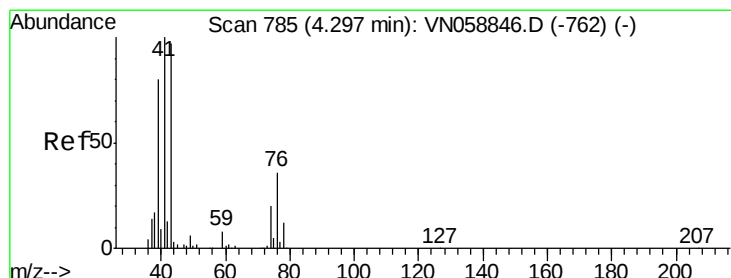
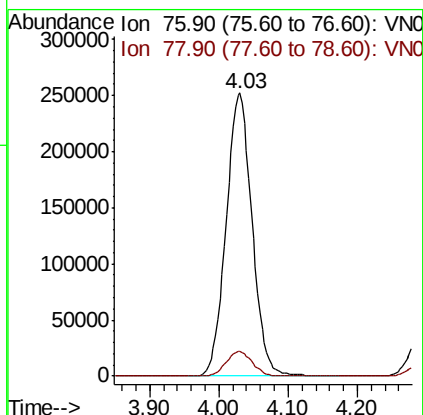
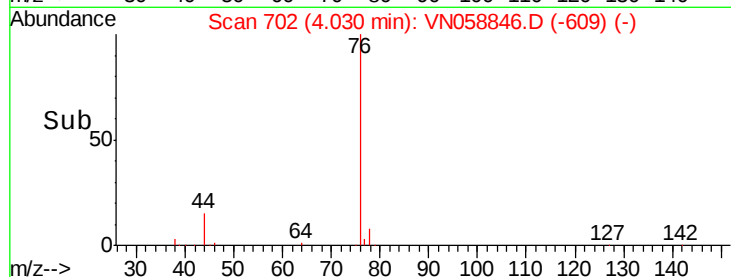
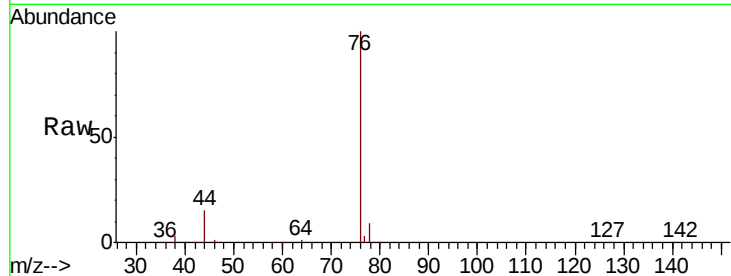




#17
Carbon Disulfide
Concen: 50.644 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

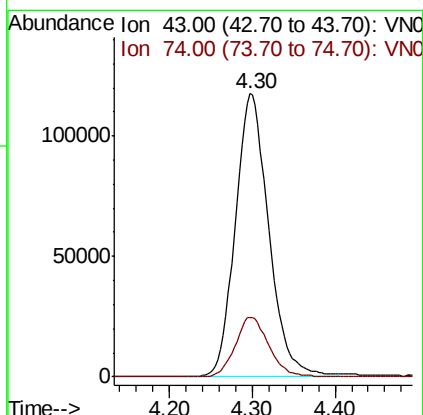
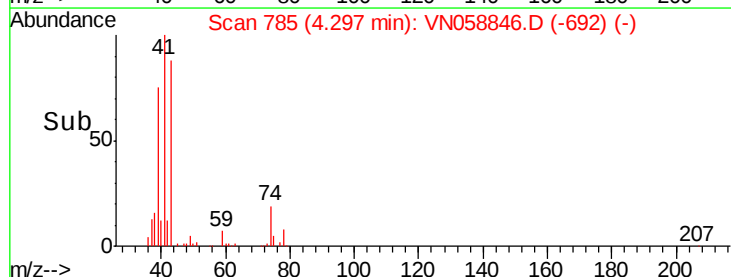
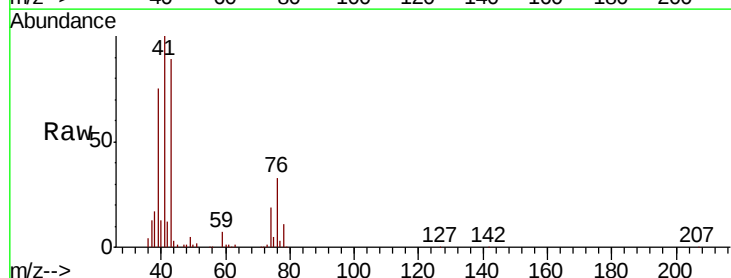
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 659529
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 52.259 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 43 Resp: 326945
Ion Ratio Lower Upper
43 100
74 21.4 17.1 25.7

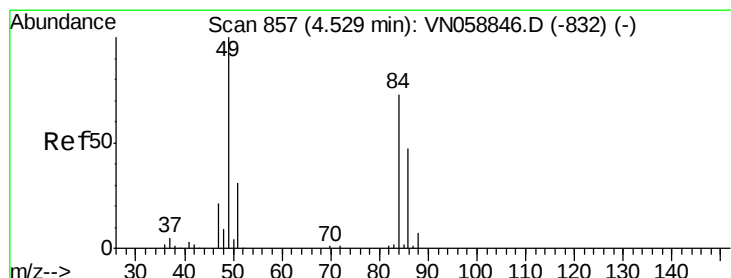
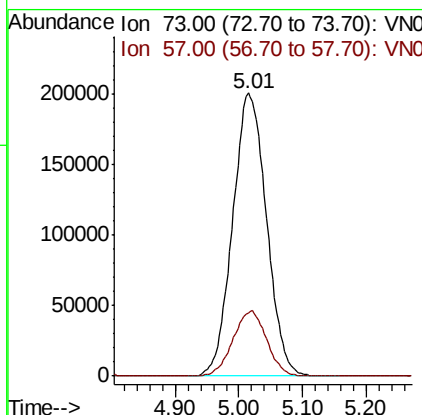
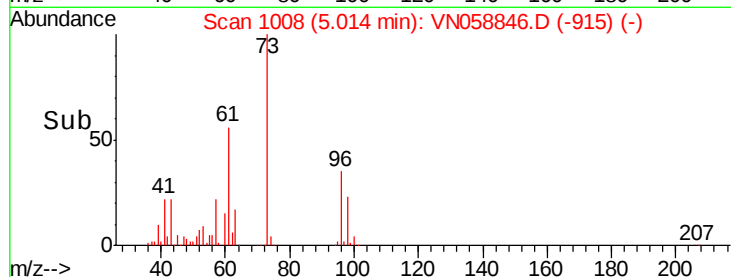
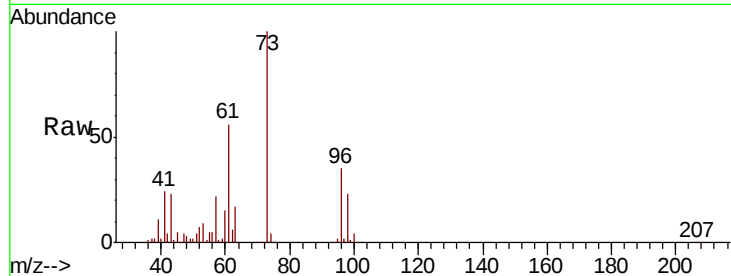




#19
Methyl tert-butyl Ether
Concen: 51.303 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

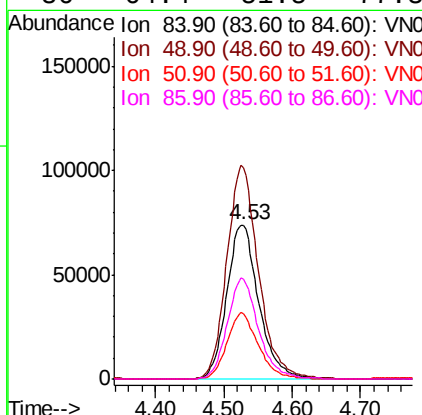
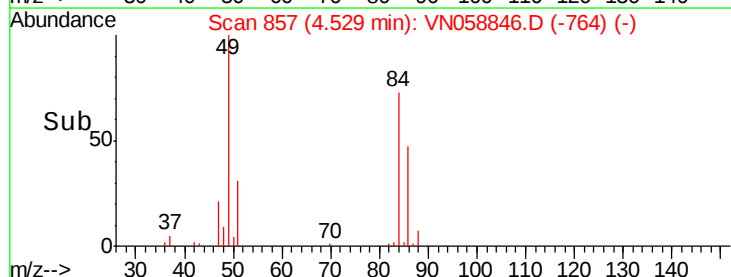
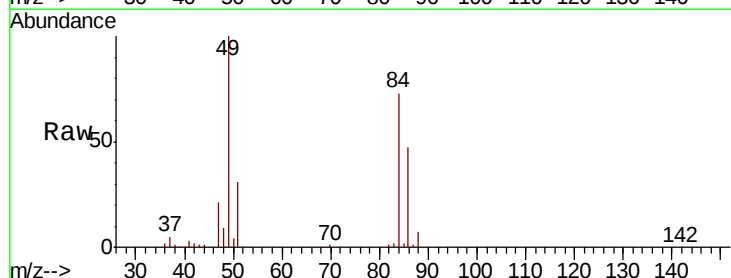
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 741122
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9



#20
Methylene Chloride
Concen: 47.280 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 84 Resp: 241473
Ion Ratio Lower Upper
84 100
49 137.0 109.6 164.4
51 42.2 33.8 50.6
86 64.4 51.5 77.3

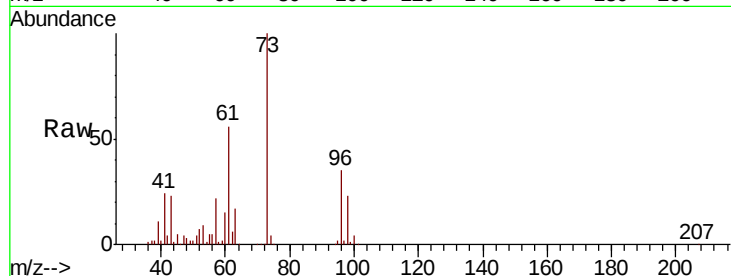




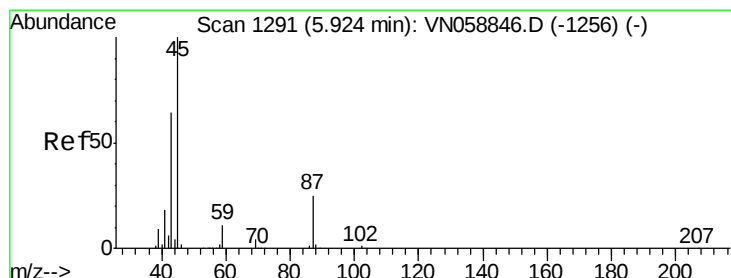
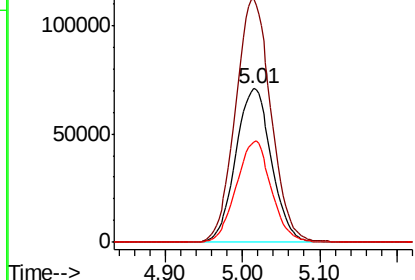
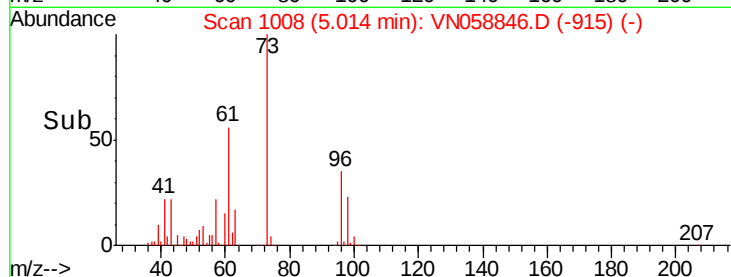
#21
trans-1,2-Dichloroethene
Concen: 50.323 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 227715
Ion Ratio Lower Upper
96 100
61 158.4 126.7 190.1
98 65.0 52.0 78.0

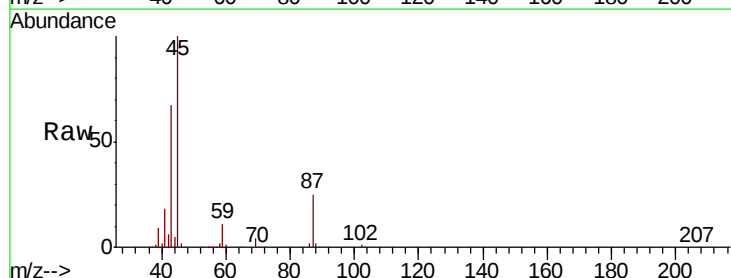


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

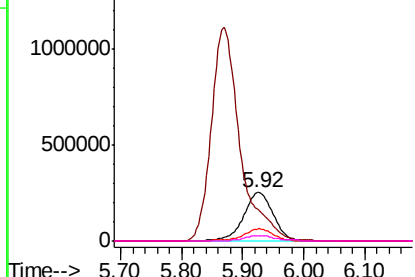
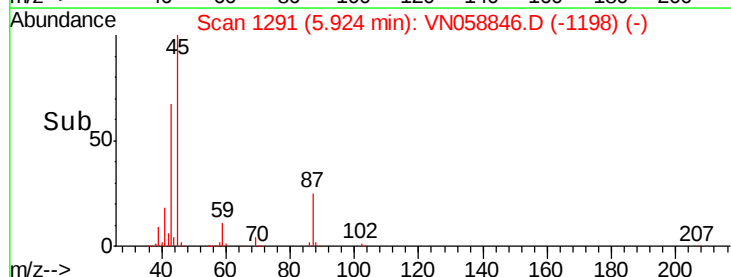


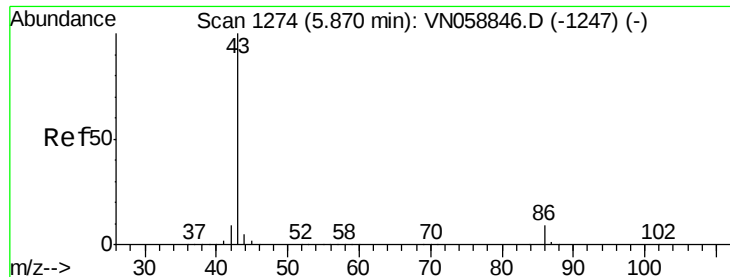
#22
Diisopropyl ether
Concen: 52.906 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 45 Resp: 846010
Ion Ratio Lower Upper
45 100
43 66.1 52.9 79.3
87 25.3 20.2 30.4
59 11.0 8.8 13.2



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: 282.732 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

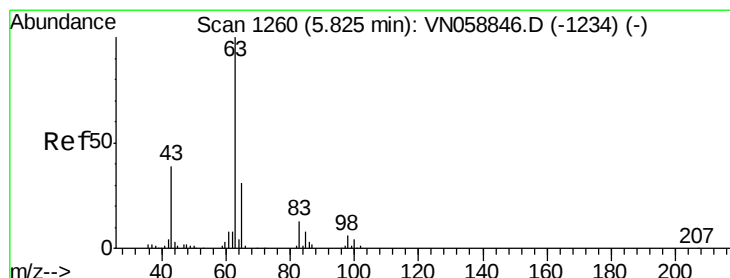
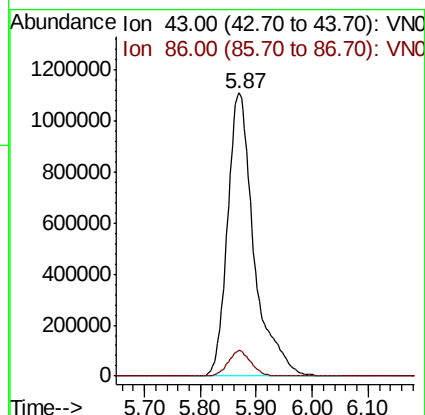
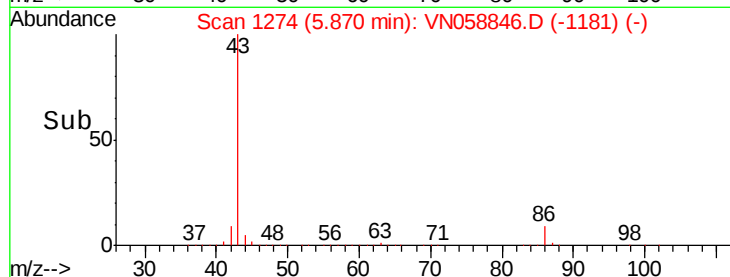
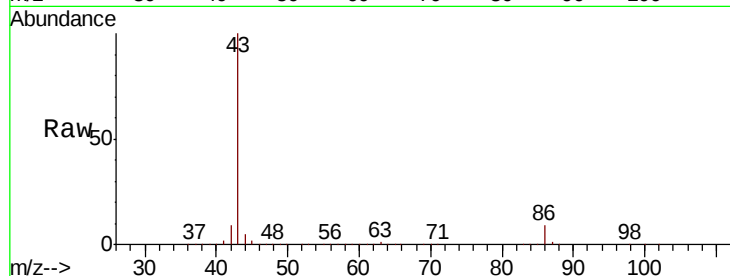
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 3649258

Ion Ratio Lower Upper

43 100

86 9.0 7.2 10.8



#24

1,1-Dichloroethane

Concen: 51.013 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

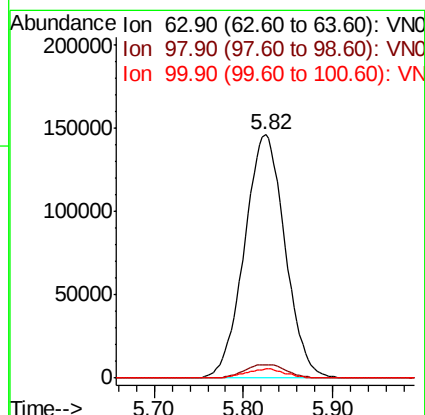
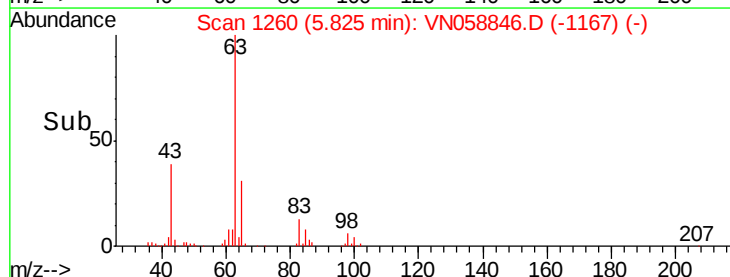
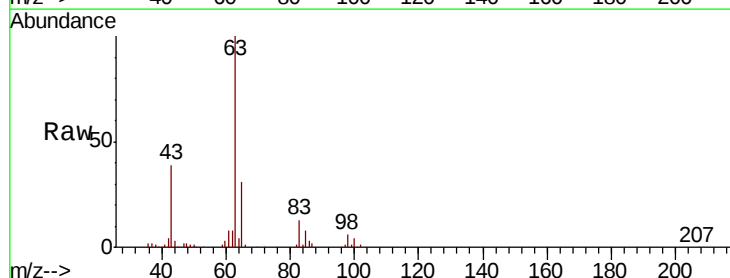
Tgt Ion: 63 Resp: 462499

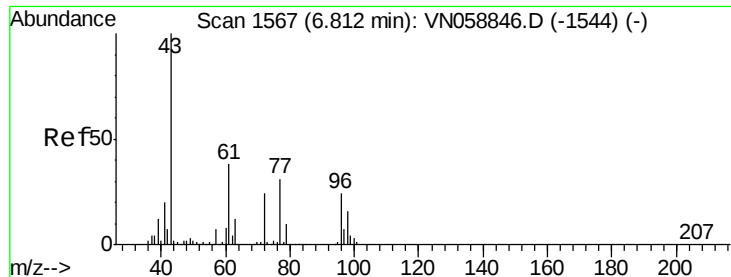
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 284.354 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

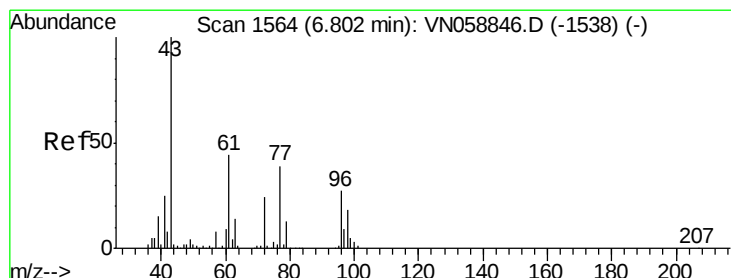
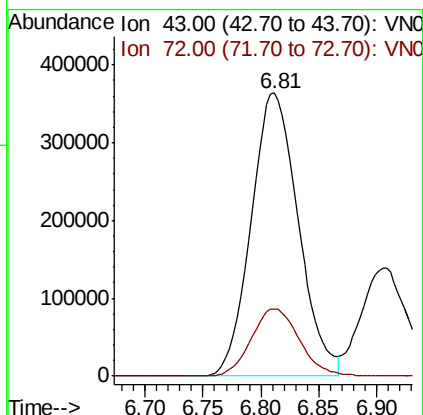
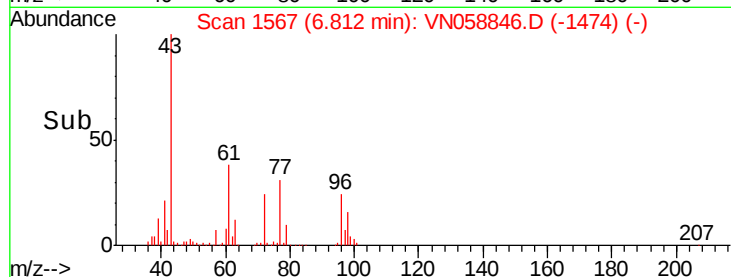
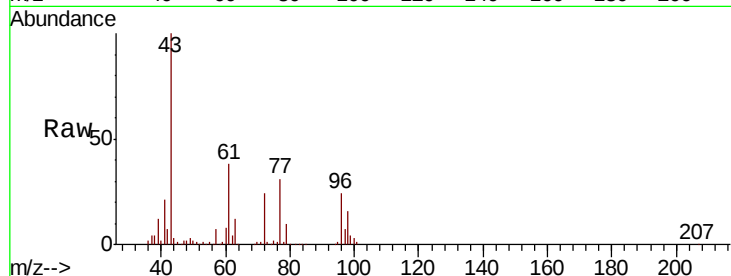
ClientSampled :

Tot Ion: 43 Resp: 1028315

Ion Ratio Lower Upper

43 100

72 23.9 19.1 28.7



#26

2,2-Dichloropropane

Concen: 49.089 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058846.D

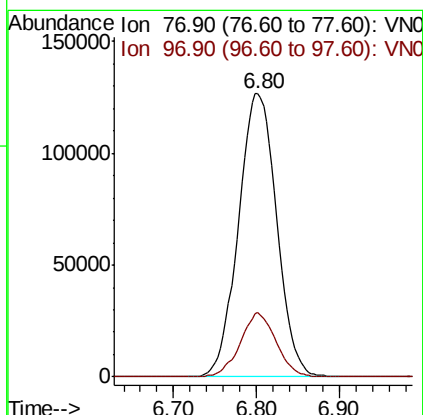
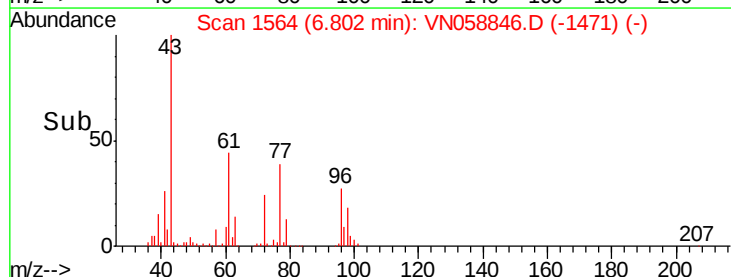
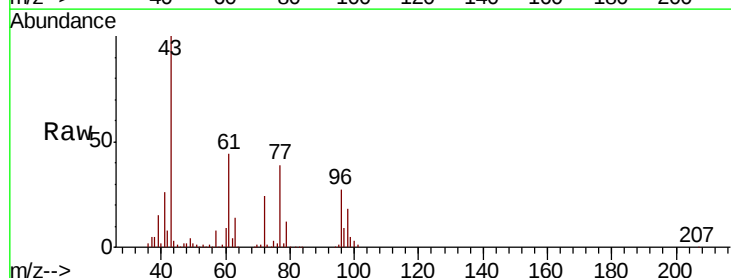
Acq: 18 Oct 2019 9:59

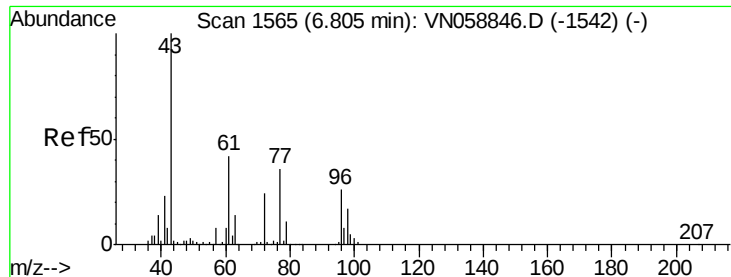
Tgt Ion: 77 Resp: 405829

Ion Ratio Lower Upper

77 100

97 21.2 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 49.817 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :

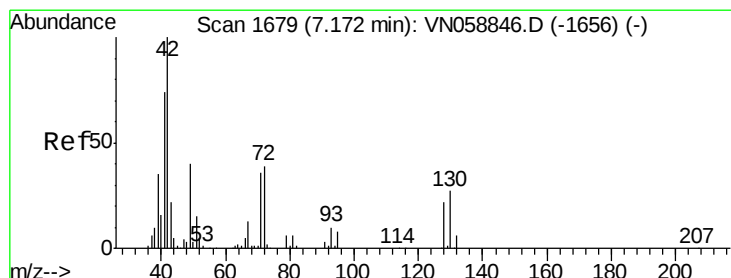
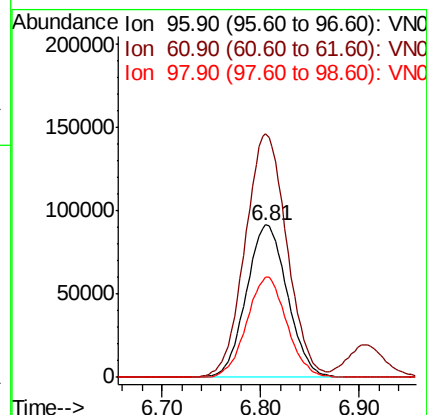
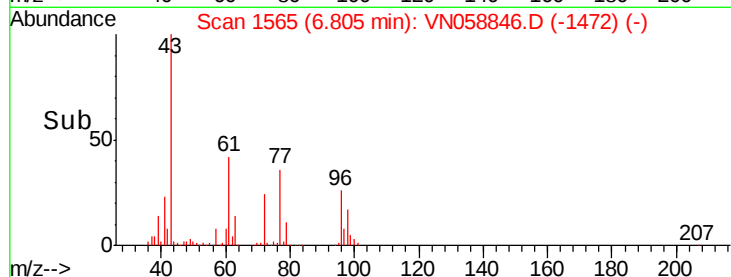
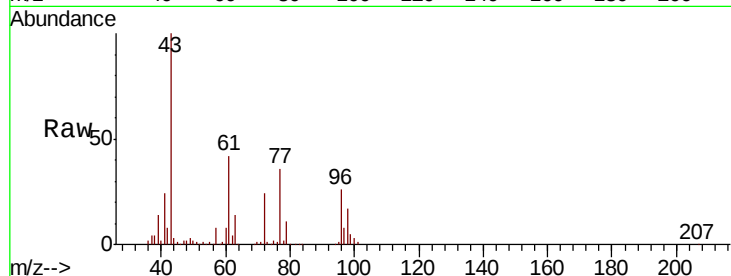
Tot Ion: 96 Resp: 263482

Ion Ratio Lower Upper

96 100

61 162.5 0.0 325.0

98 64.0 0.0 128.0



#28

Bromochloromethane

Concen: 50.032 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

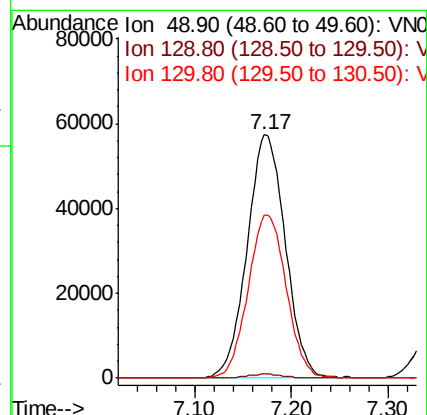
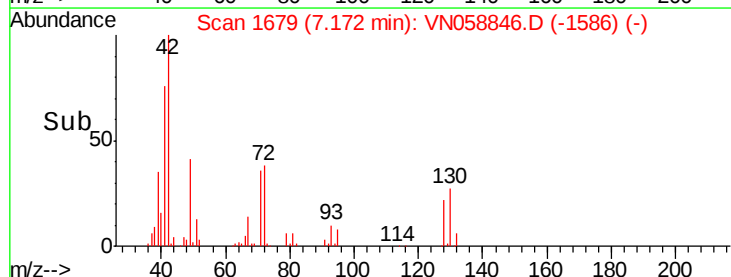
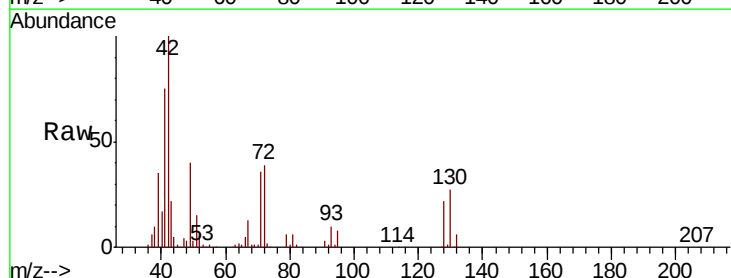
Tgt Ion: 49 Resp: 157530

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.2

130 66.9 53.5 80.3

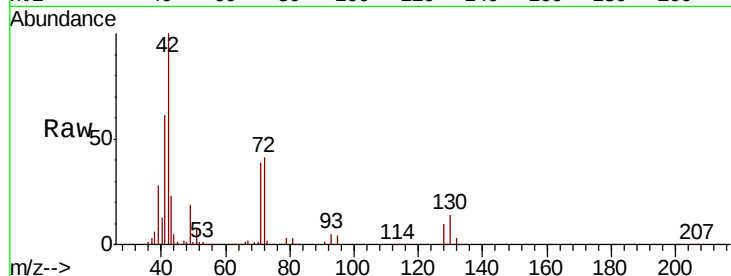




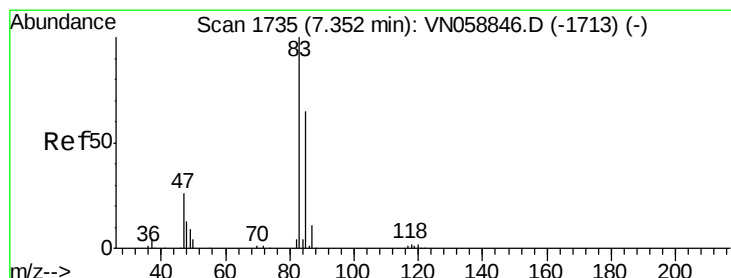
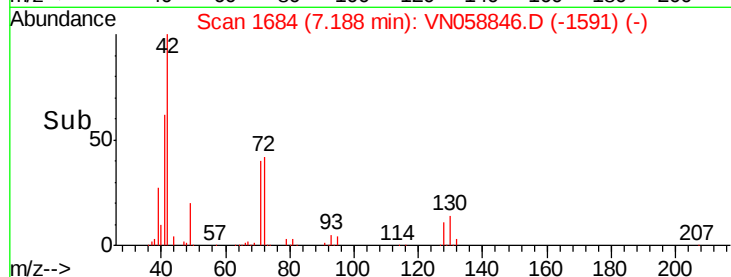
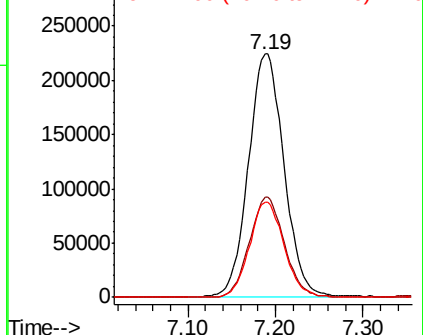
#29
Tetrahydrofuran
Concen: 273.314 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 632583
Ion Ratio Lower Upper
42 100
72 40.2 32.2 48.2
71 38.2 30.6 45.8

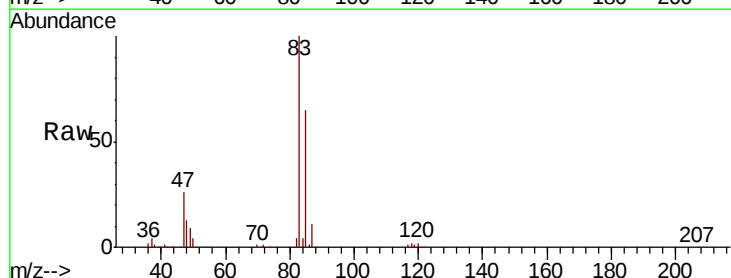


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

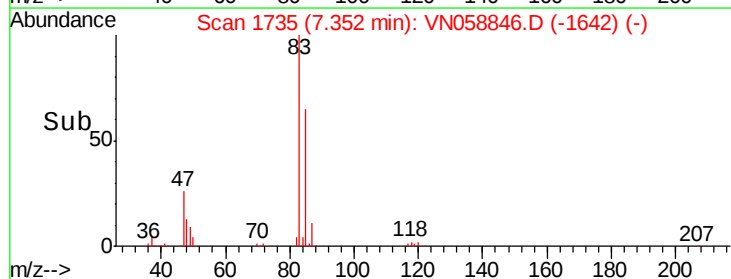
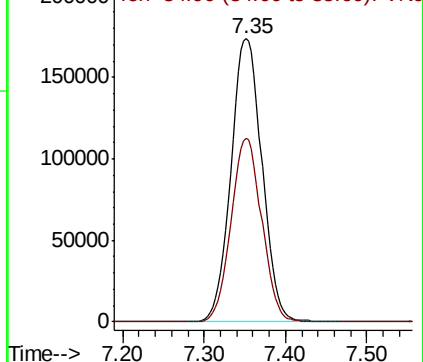


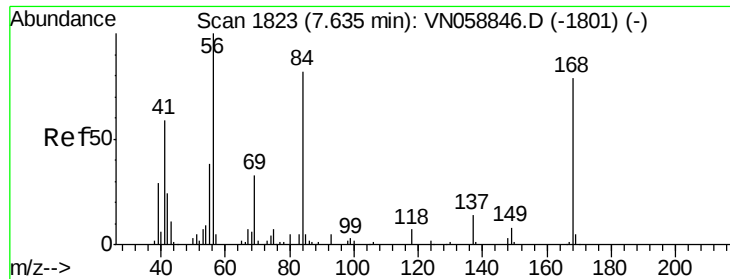
#30
Chloroform
Concen: 50.437 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 83 Resp: 460816
Ion Ratio Lower Upper
83 100
85 64.9 51.9 77.9



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

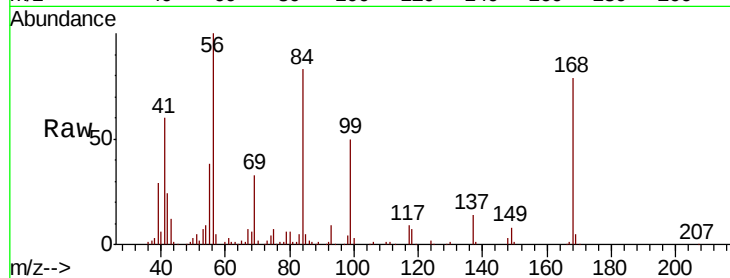




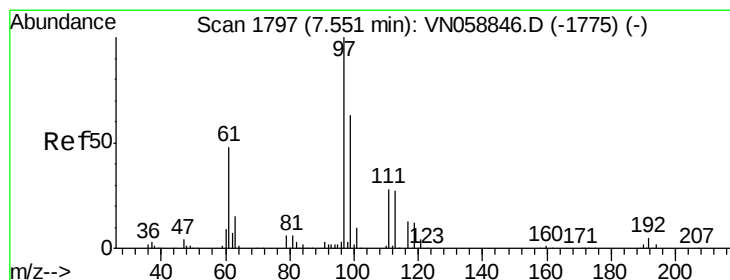
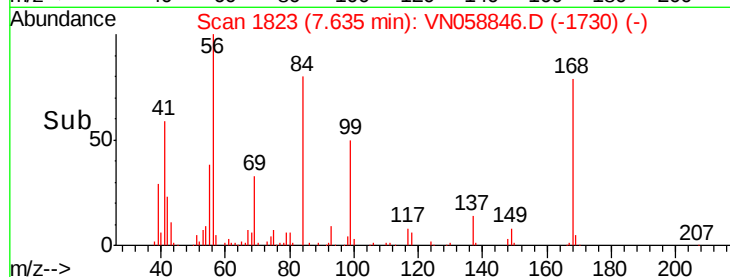
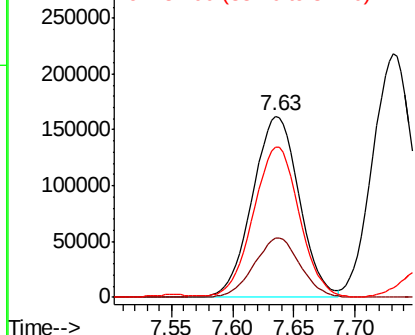
#31
Cyclohexane
Concen: 49.668 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 432066
Ion Ratio Lower Upper
56 100
69 32.8 26.2 39.4
84 82.0 65.6 98.4

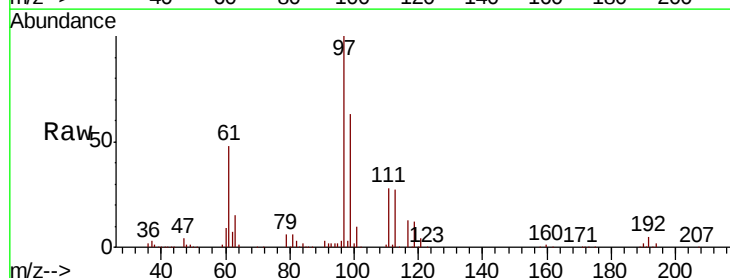


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

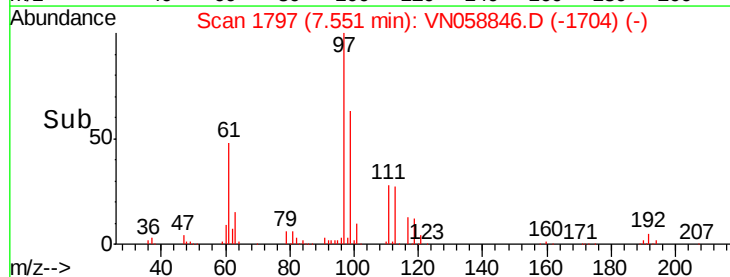
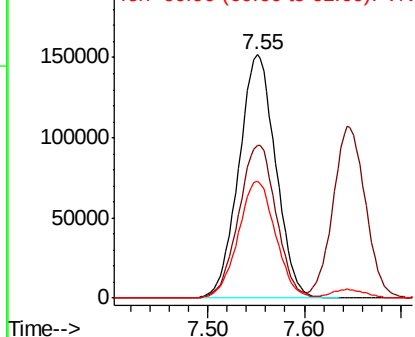


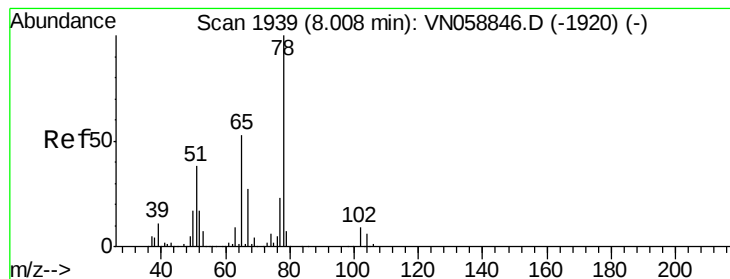
#32
1,1,1-Trichloroethane
Concen: 51.908 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 97 Resp: 403241
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 48.3 38.6 58.0



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: 51.851 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

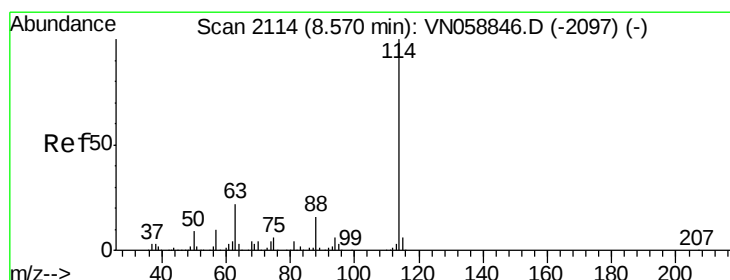
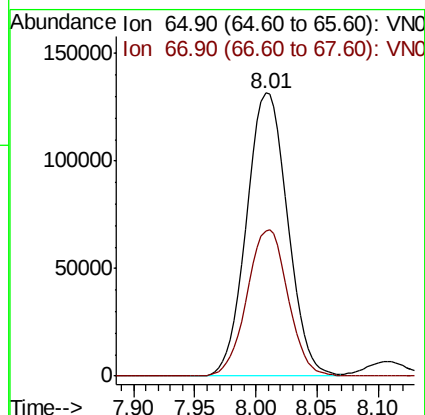
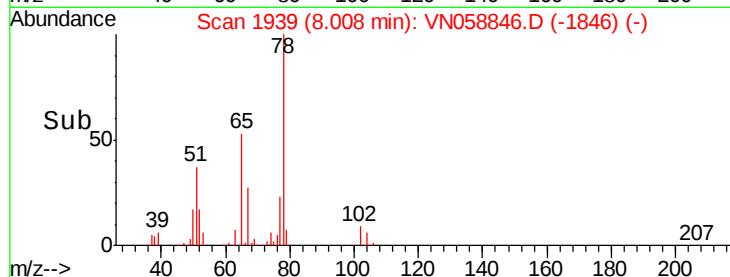
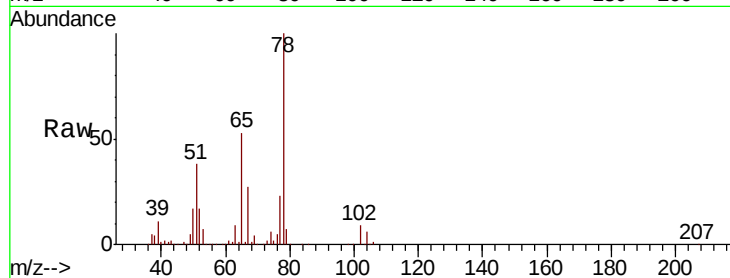
ClientSampled :

Tot Ion: 65 Resp: 307425

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

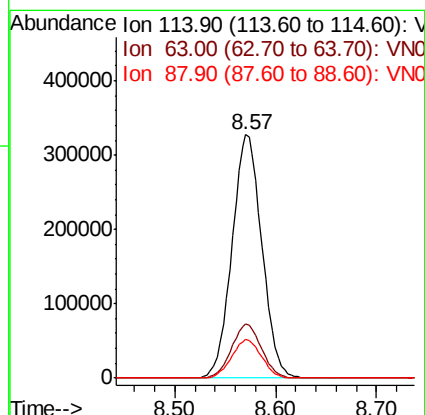
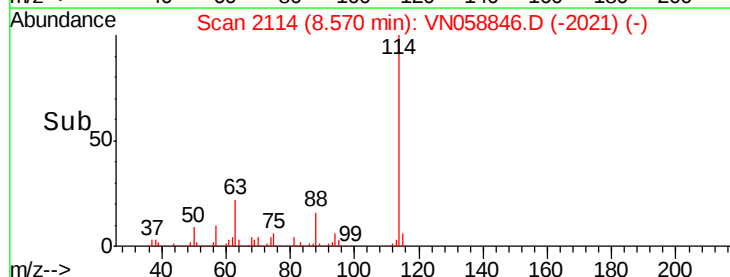
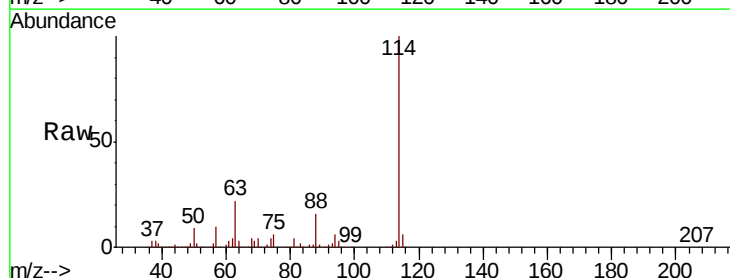
Tgt Ion: 114 Resp: 672596

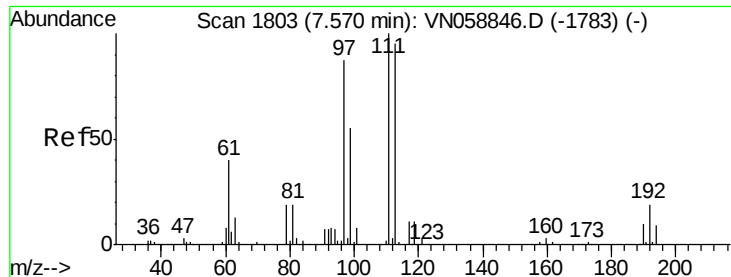
Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.4

88 15.7 0.0 31.4

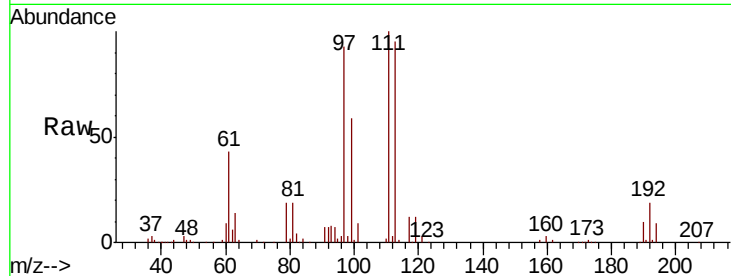




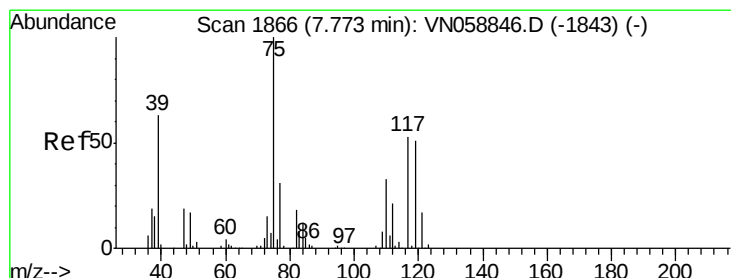
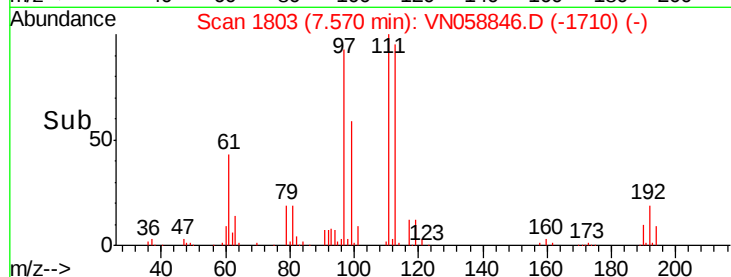
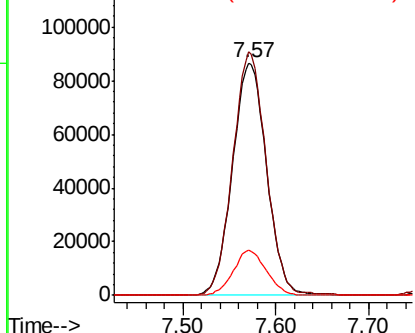
#35
 Dibromofluoromethane
 Concen: 52.681 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 221491
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.0 123.0
 192 18.8 15.0 22.6

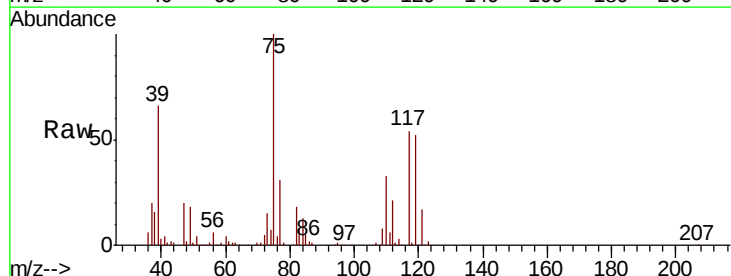


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

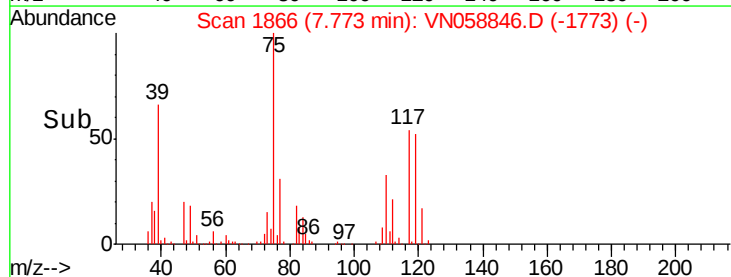
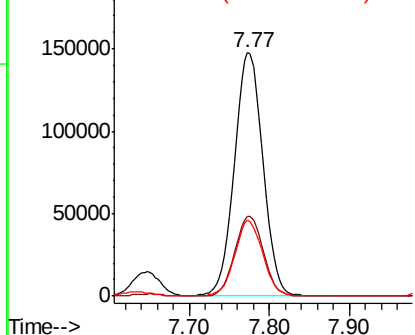


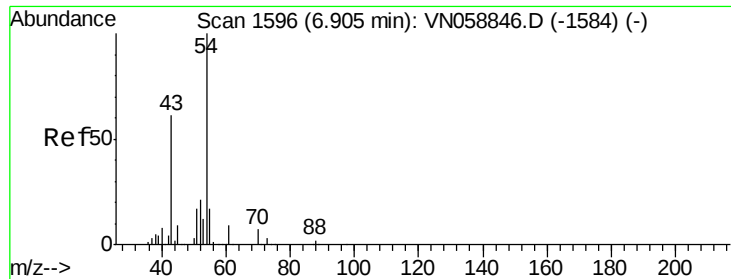
#36
 1,1-Dichloropropene
 Concen: 51.773 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion: 75 Resp: 355593
 Ion Ratio Lower Upper
 75 100
 110 32.6 16.3 48.9
 77 30.7 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

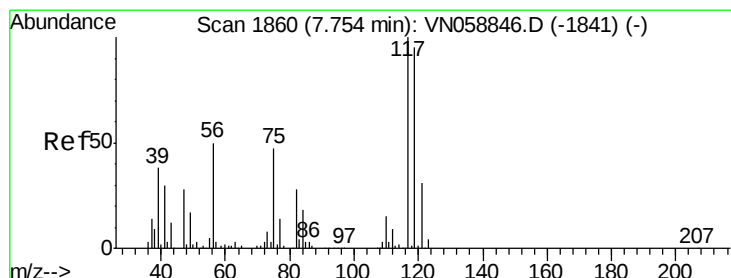
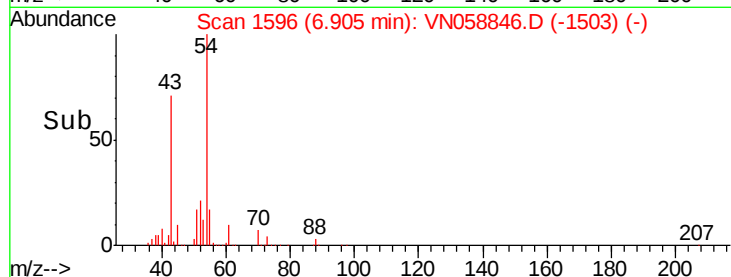
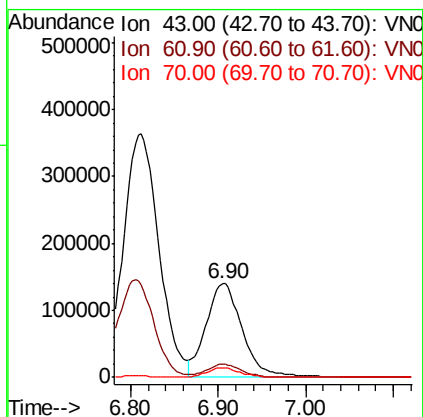
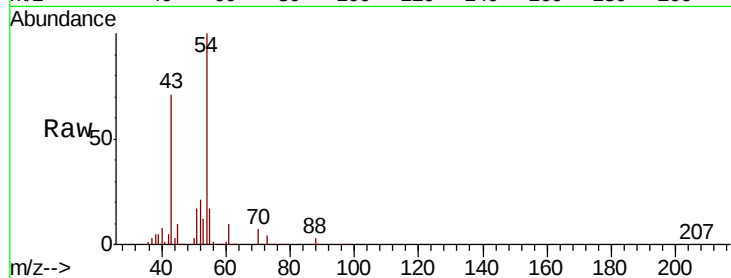




#37
Ethyl Acetate
Concen: 56.550 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

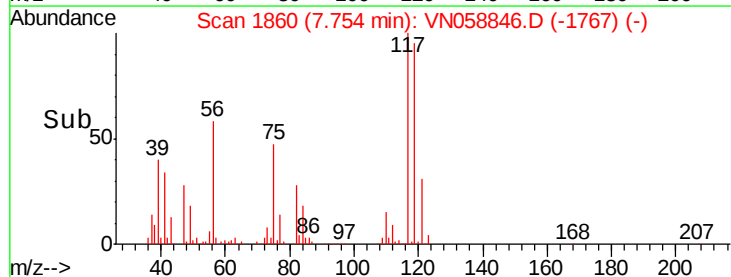
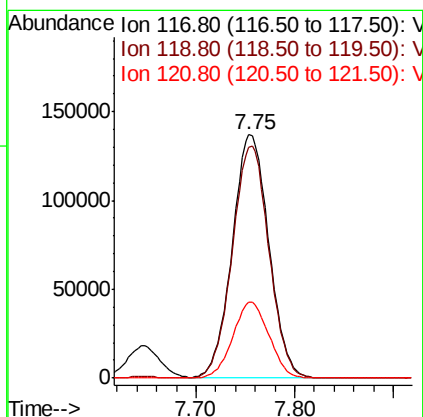
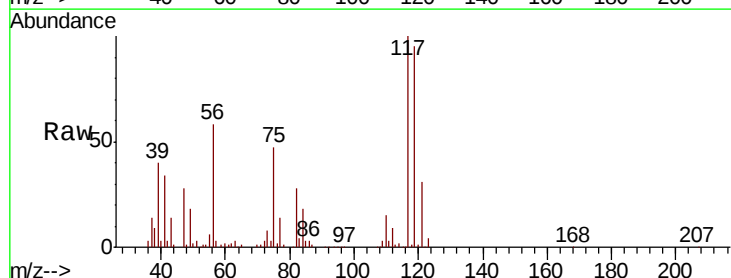
Instrument :
MSVOA_N
ClientSampled :

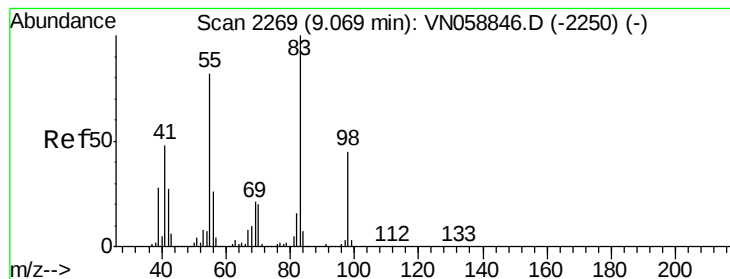
Tot Ion: 43 Resp: 397152
Ion Ratio Lower Upper
43 100
61 13.1 10.5 15.7
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 52.819 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 117 Resp: 353485
Ion Ratio Lower Upper
117 100
119 94.6 75.7 113.5
121 31.3 25.0 37.6





#39

Methvlcvclohexane

Concen: 51.577 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampled :

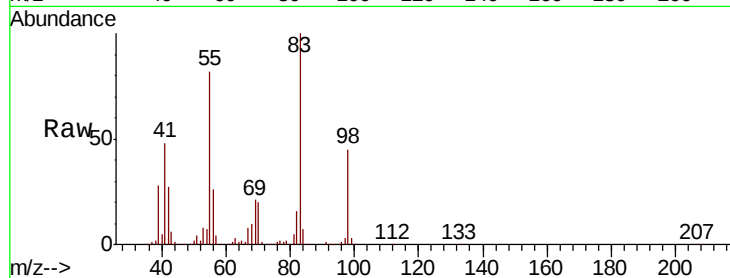
Tot Ion: 83 Resp: 408861

Ion Ratio Lower Upper

83 100

55 81.9 65.5 98.3

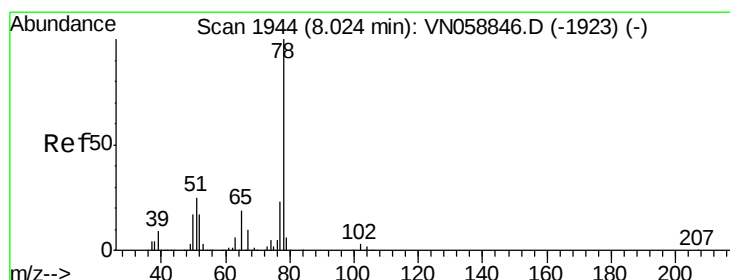
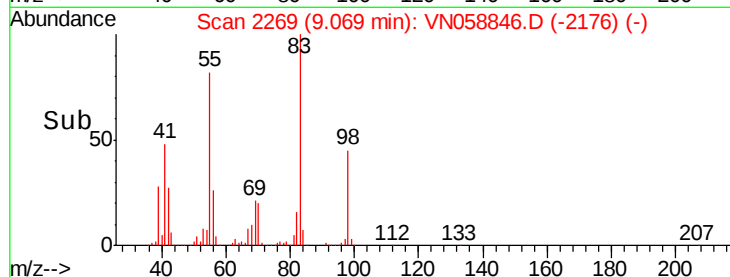
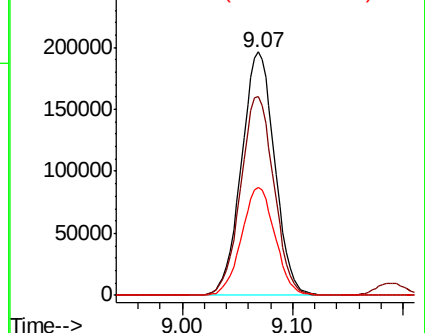
98 44.6 35.7 53.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 52.295 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN058846.D

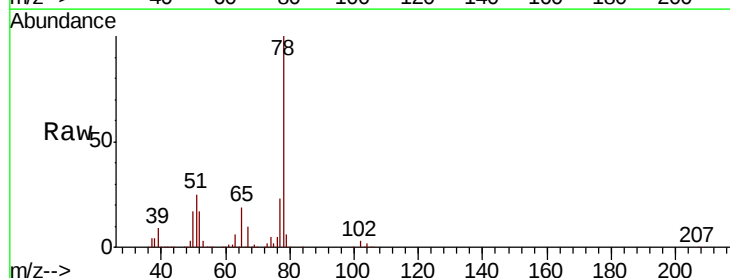
Acq: 18 Oct 2019 9:59

Tgt Ion: 78 Resp: 1033801

Ion Ratio Lower Upper

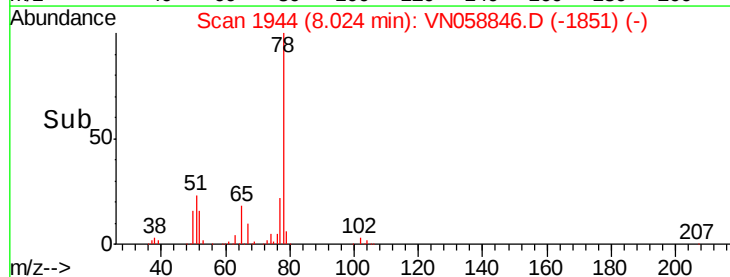
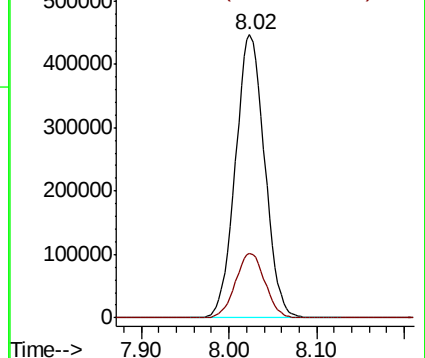
78 100

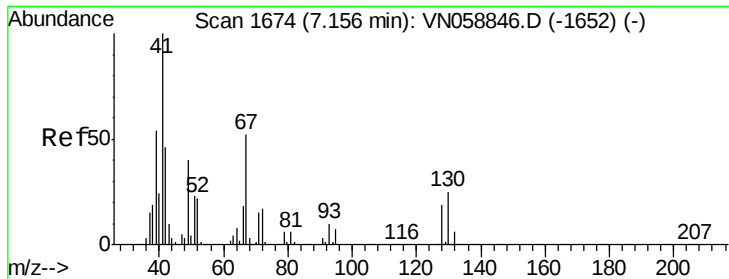
77 22.7 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

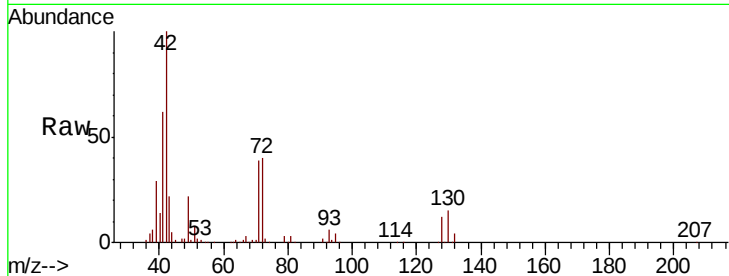




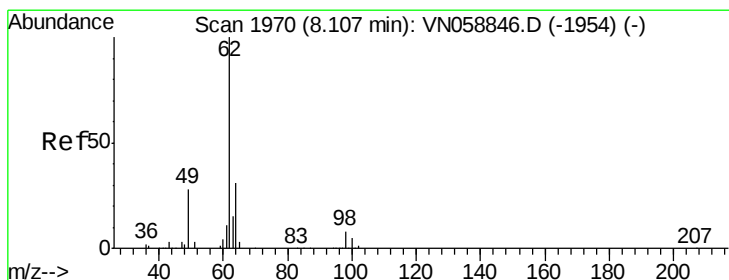
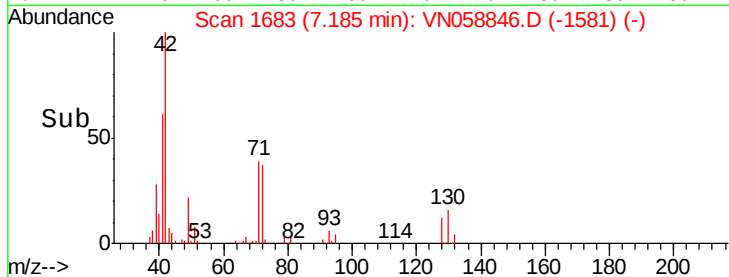
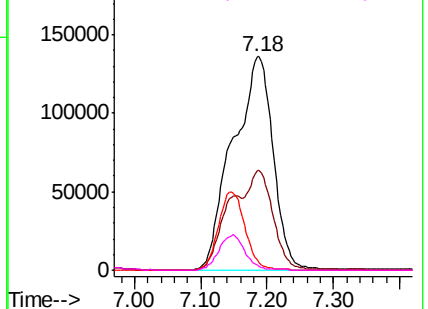
#41
Methacrylonitrile
Concen: 179.571 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	572229
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

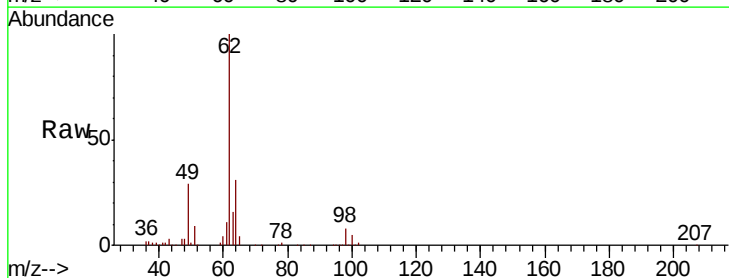


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

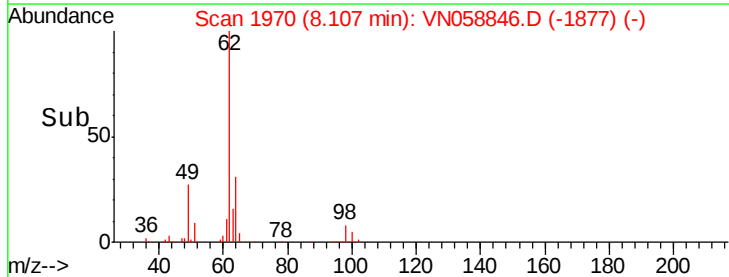
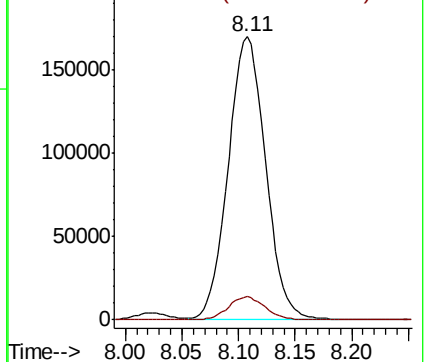


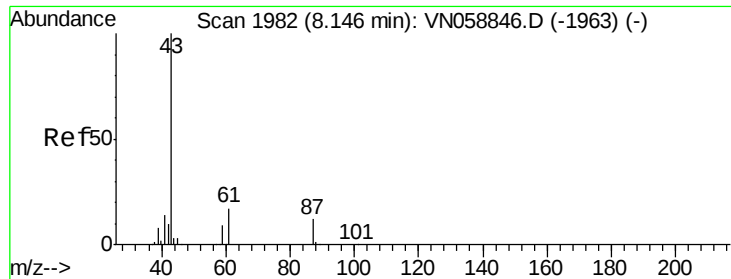
#42
1,2-Dichloroethane
Concen: 51.453 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion:	62	Resp:	390274
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.2



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

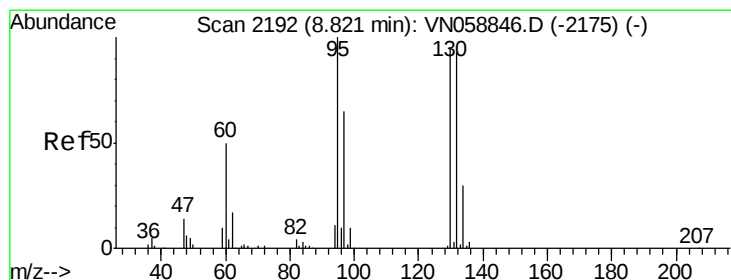
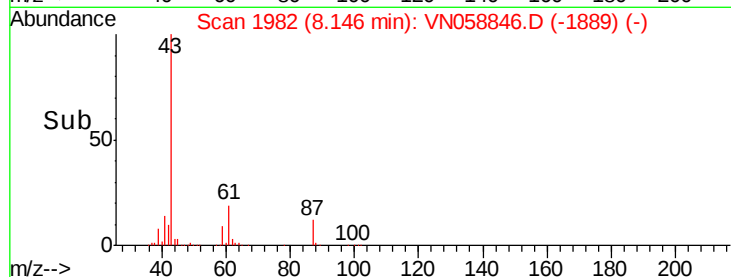
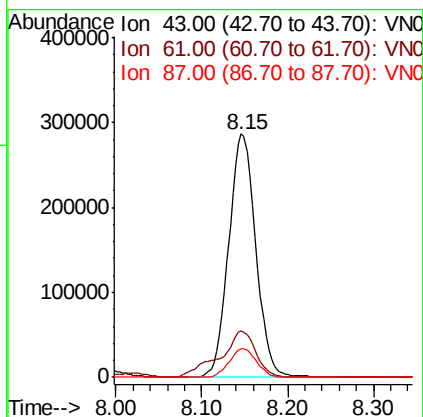
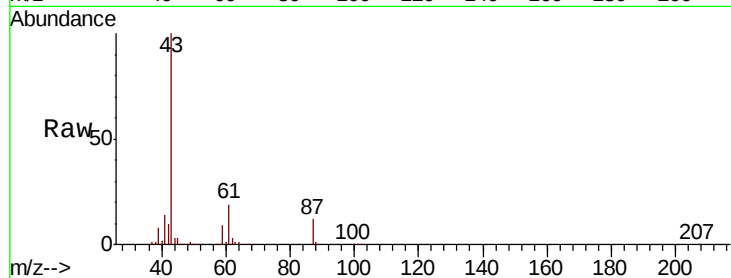




#43
Isopropyl Acetate
Concen: 52.531 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

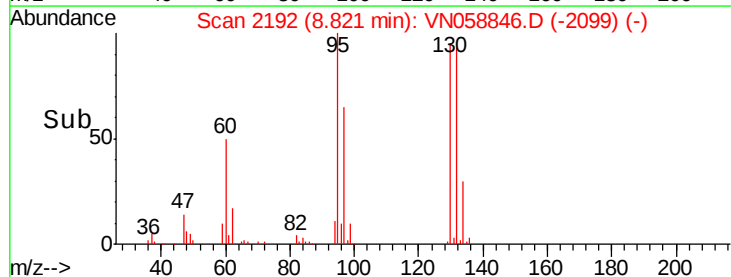
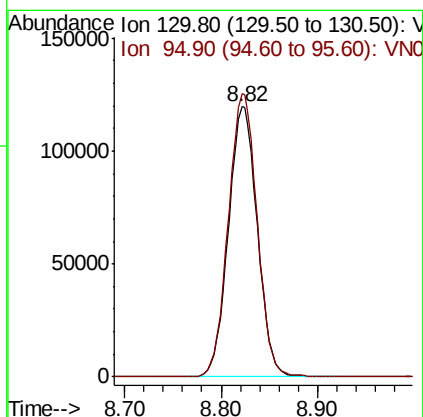
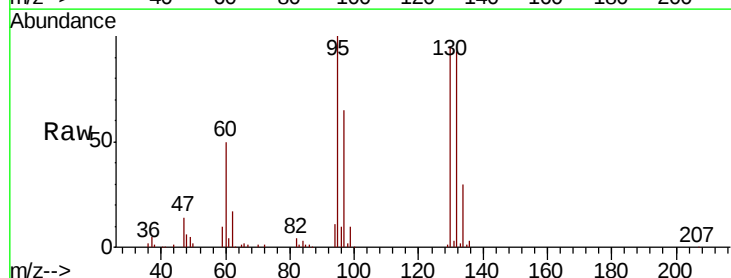
Instrument :
MSVOA_N
ClientSampleId :

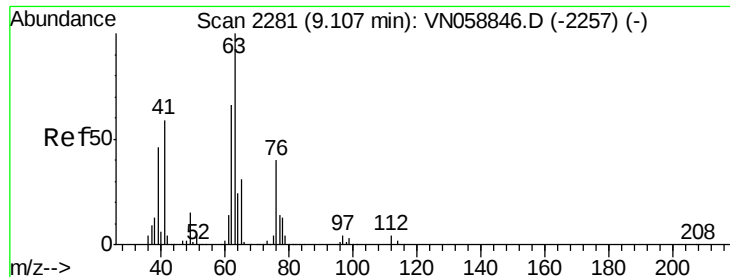
Tot Ion: 43 Resp: 623613
Ion Ratio Lower Upper
43 100
61 25.2 20.2 30.2
87 11.9 9.5 14.3



#44
Trichloroethene
Concen: 50.760 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 130 Resp: 247826
Ion Ratio Lower Upper
130 100
95 104.8 0.0 209.6





#45

1,2-Dichloropropane

Concen: 53.110 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

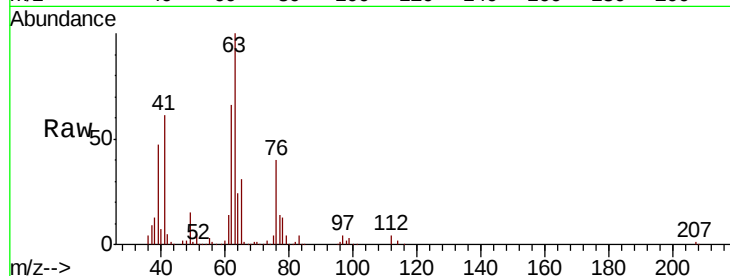
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 281455

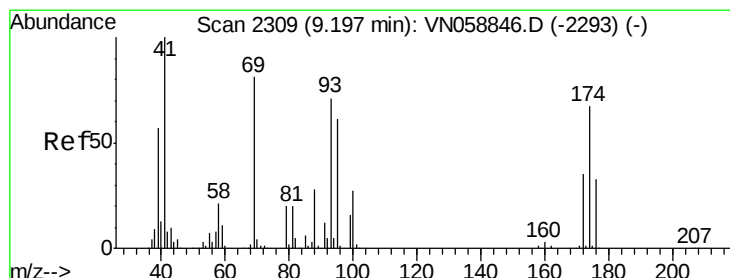
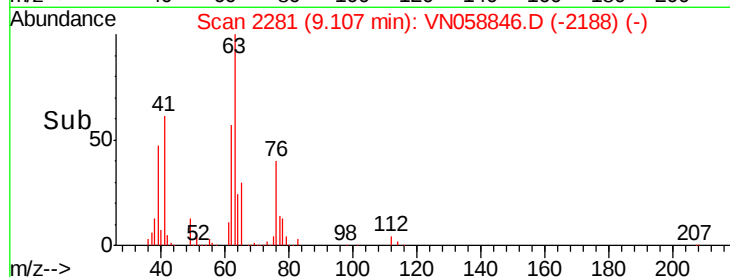
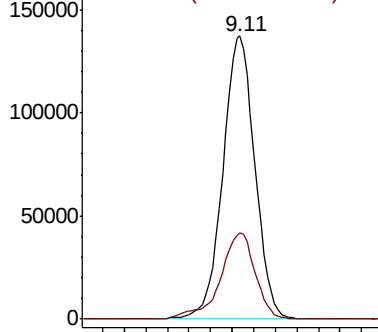
Ion Ratio Lower Upper

63 100

65 30.6 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.520 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

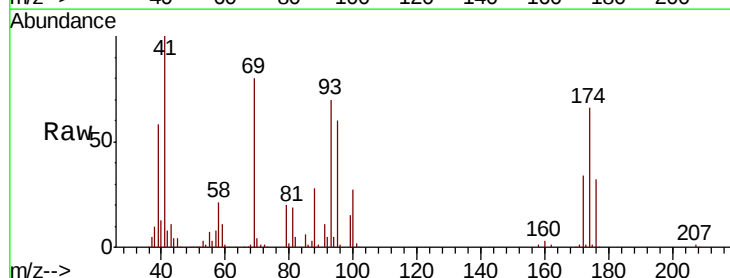
Tgt Ion: 93 Resp: 175858

Ion Ratio Lower Upper

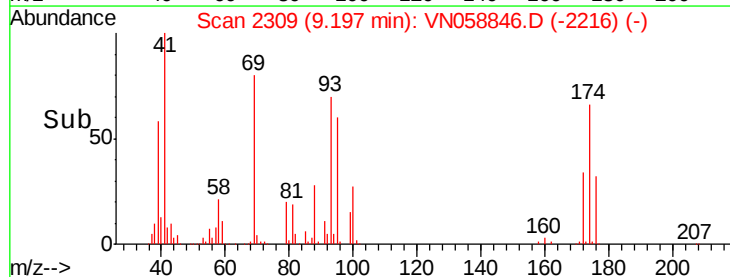
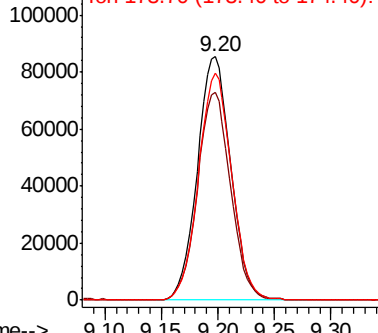
93 100

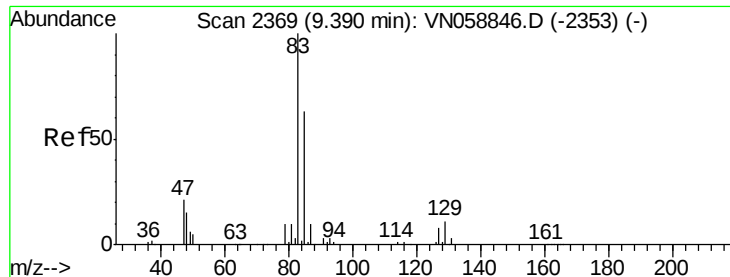
95 84.5 67.6 101.4

174 92.6 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.584 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :

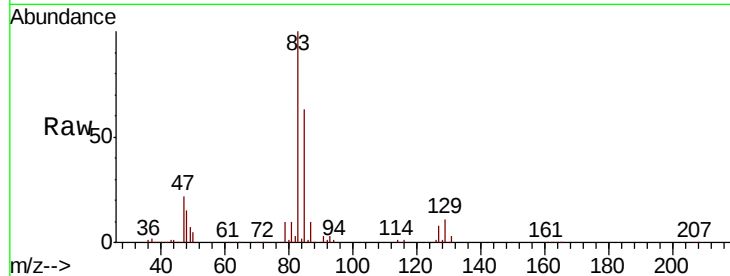
Tot Ion: 83 Resp: 366140

Ion Ratio Lower Upper

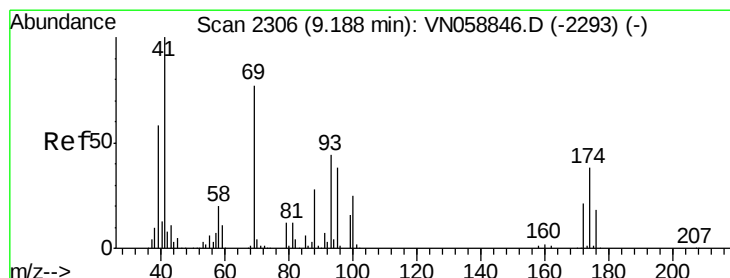
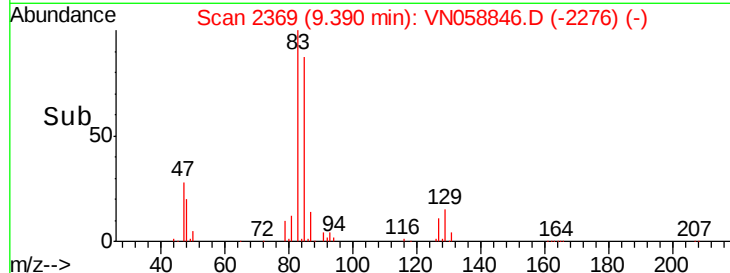
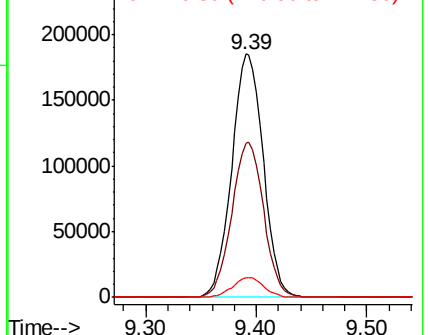
83 100

85 63.2 50.6 75.8

127 8.1 6.5 9.7



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): V



#48

Methyl methacrylate

Concen: 54.660 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

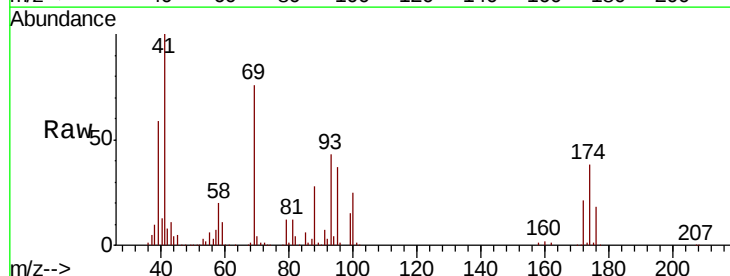
Tgt Ion: 41 Resp: 294984

Ion Ratio Lower Upper

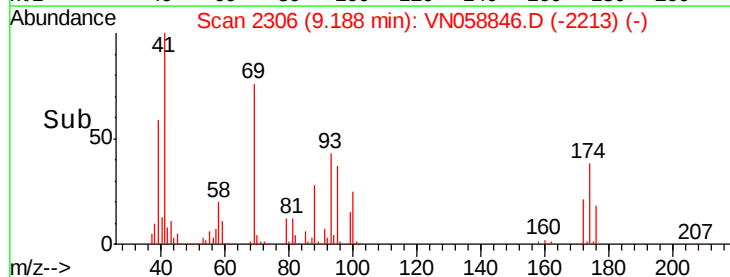
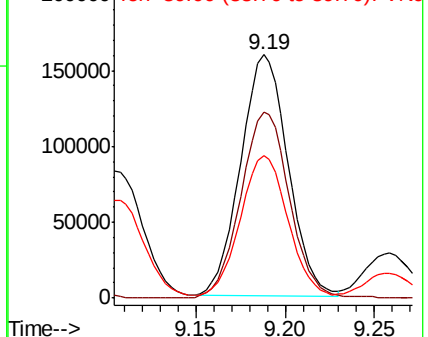
41 100

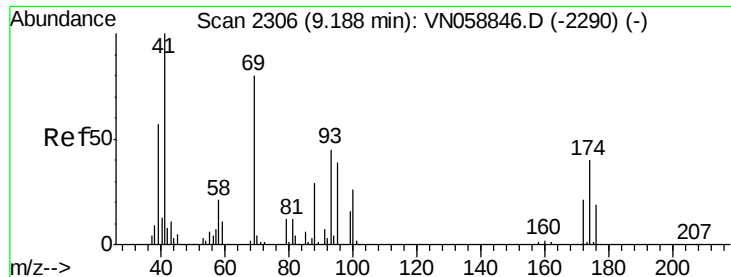
69 79.7 63.8 95.6

39 59.8 47.8 71.8



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

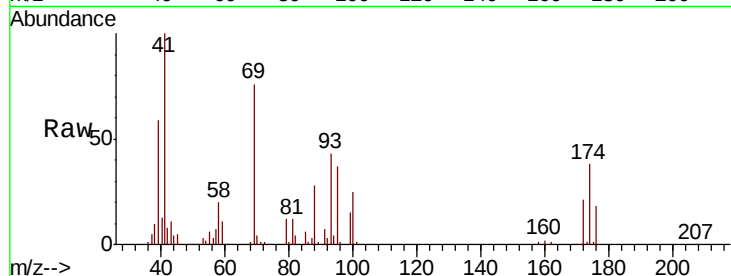




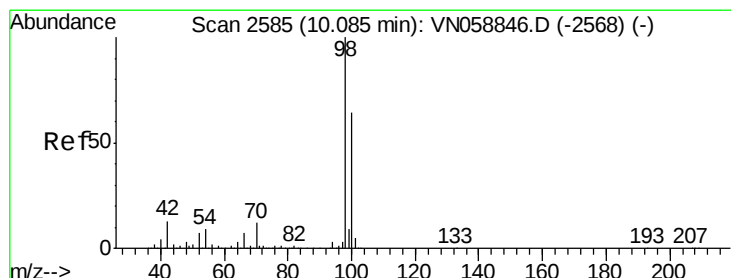
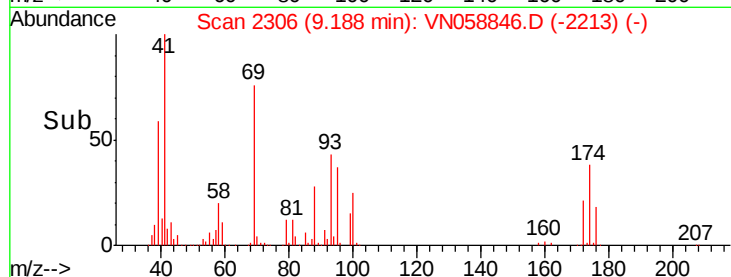
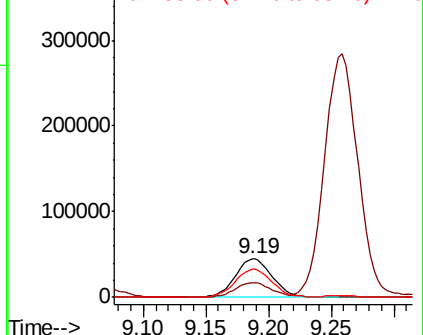
#49
1,4-Dioxane
Concen: 1092.322 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 91719
Ion Ratio Lower Upper
88 100
43 36.4 29.1 43.7
58 74.2 59.4 89.0

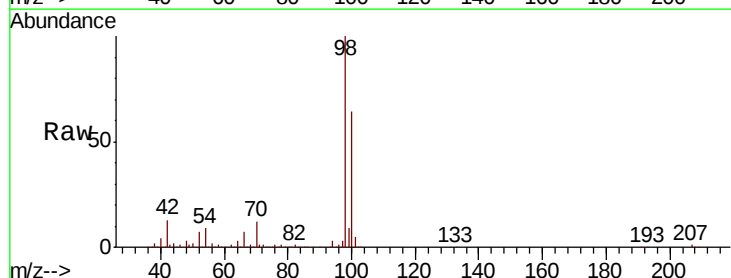


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

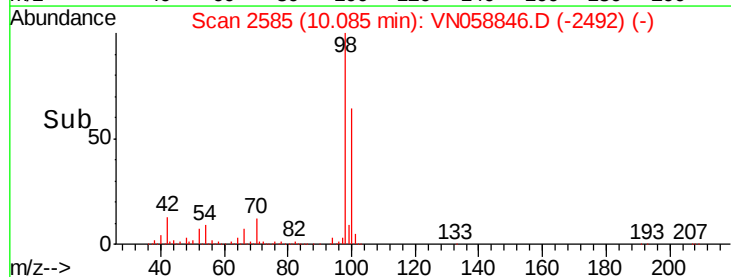
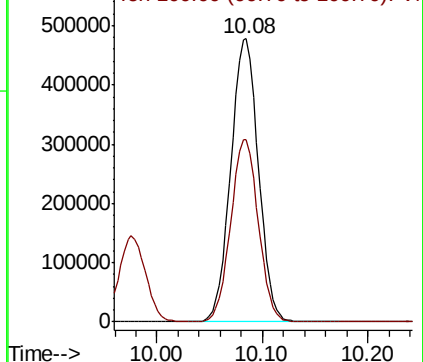


#50
Toluene-d8
Concen: 51.802 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 98 Resp: 867232
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.2



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: 292.580 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

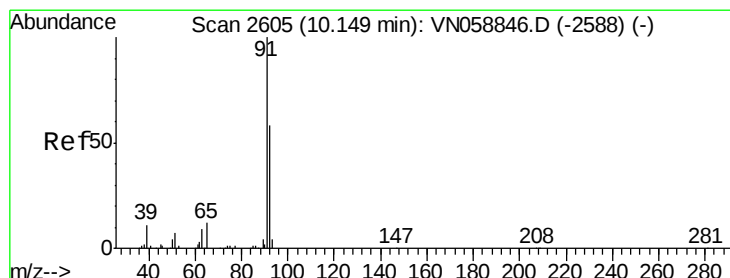
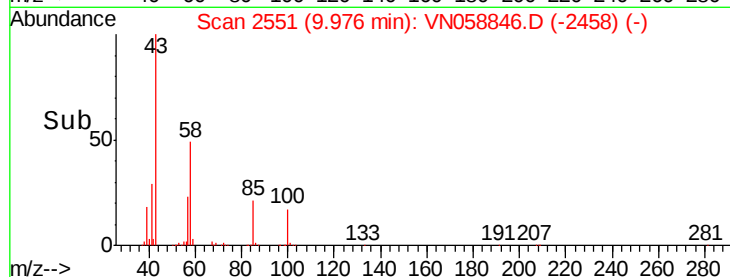
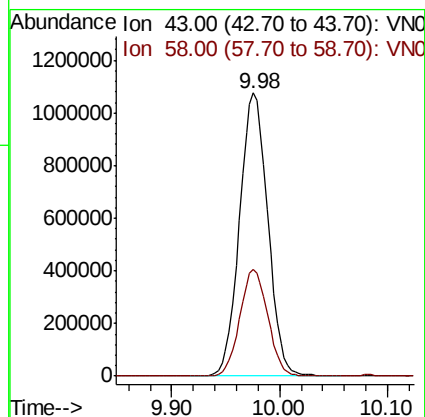
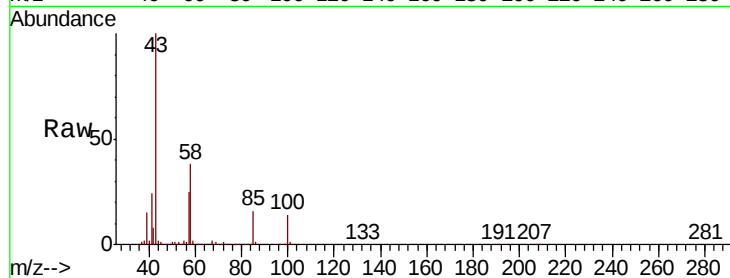
ClientSampleId :

Tot Ion: 43 Resp: 1963817

Ion Ratio Lower Upper

43 100

58 37.4 29.9 44.9



#52

Toluene

Concen: 52.593 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058846.D

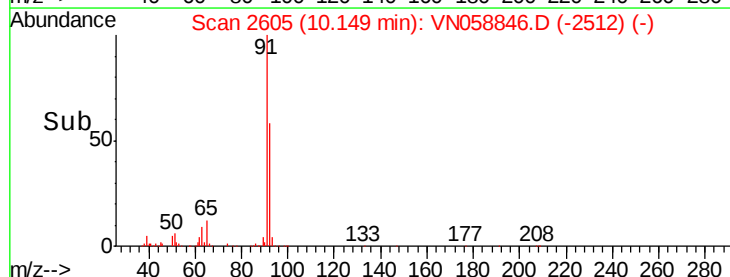
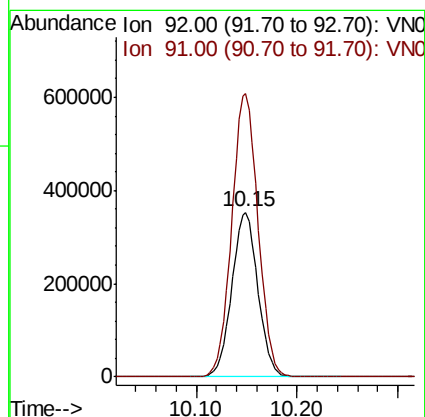
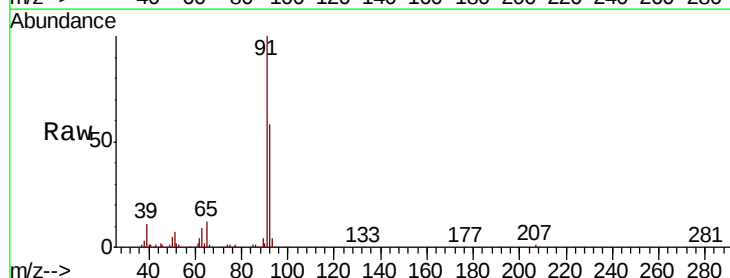
Acq: 18 Oct 2019 9:59

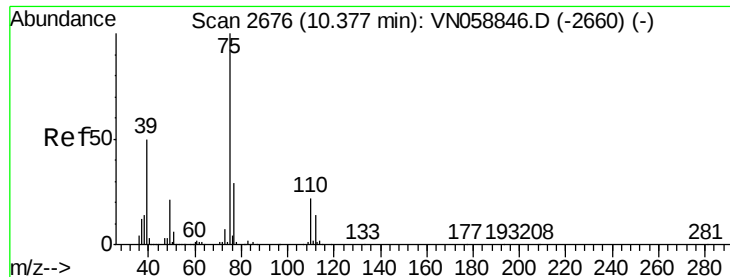
Tgt Ion: 92 Resp: 634562

Ion Ratio Lower Upper

92 100

91 173.6 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 53.516 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

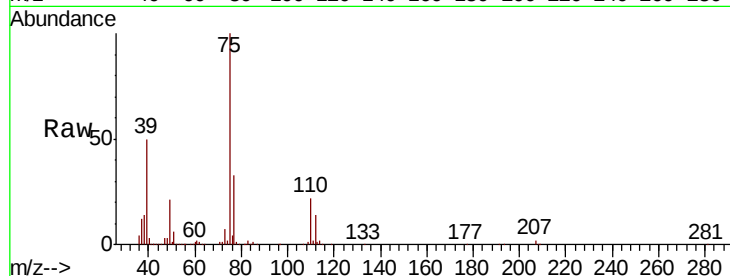
ClientSampled :

Tot Ion: 75 Resp: 419090

Ion Ratio Lower Upper

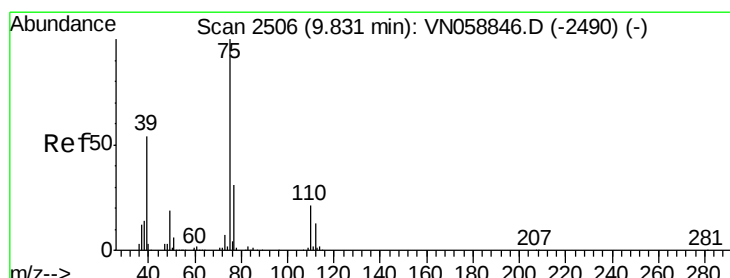
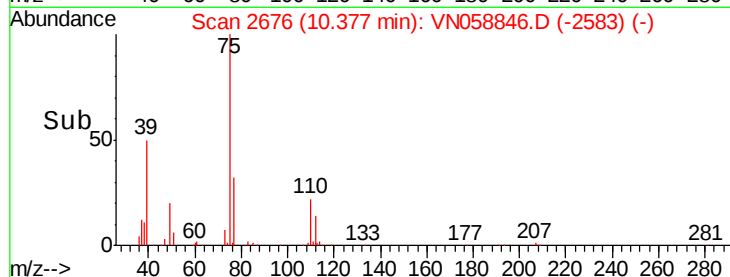
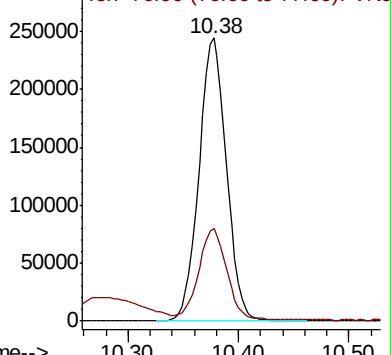
75 100

77 32.1 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.001 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

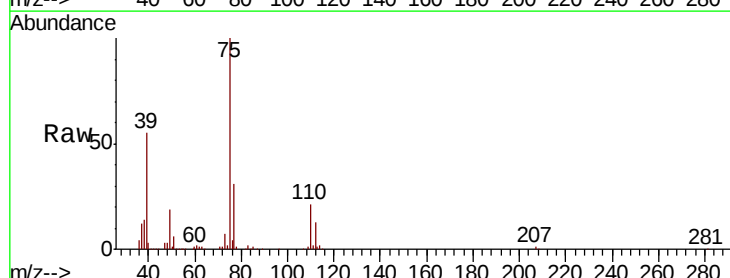
Tgt Ion: 75 Resp: 449673

Ion Ratio Lower Upper

75 100

77 30.9 24.7 37.1

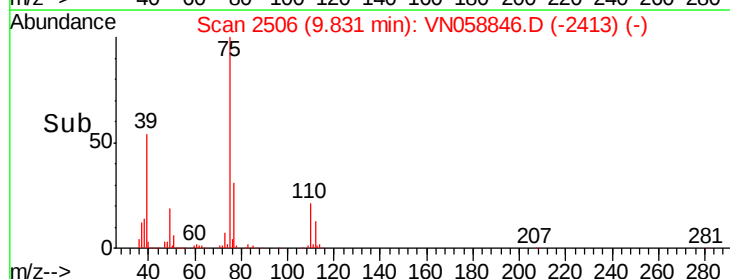
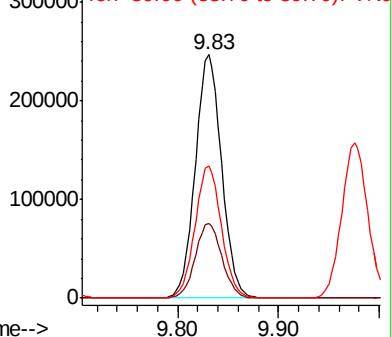
39 54.4 43.5 65.3

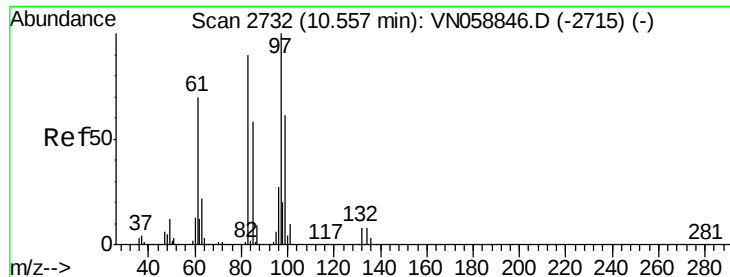


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 49.684 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 245516

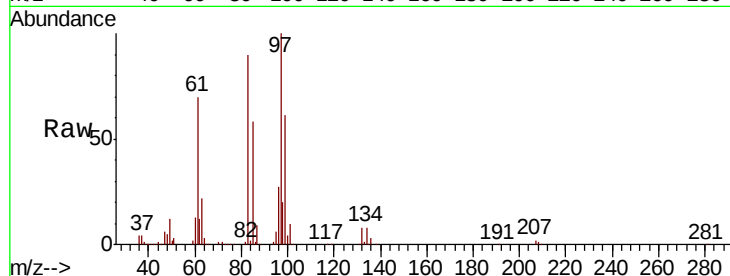
Ion Ratio Lower Upper

97 100

83 90.3 72.2 108.4

85 57.7 46.2 69.2

99 60.9 48.7 73.1

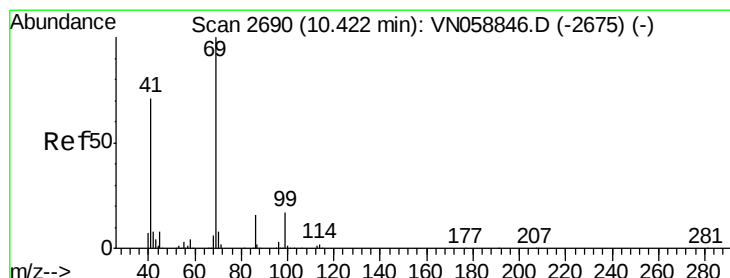
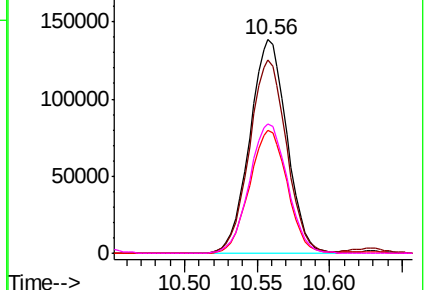
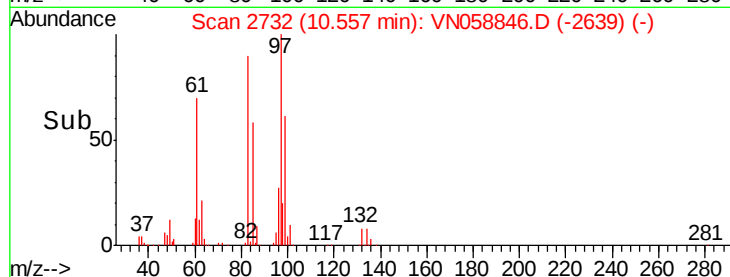


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 55.151 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

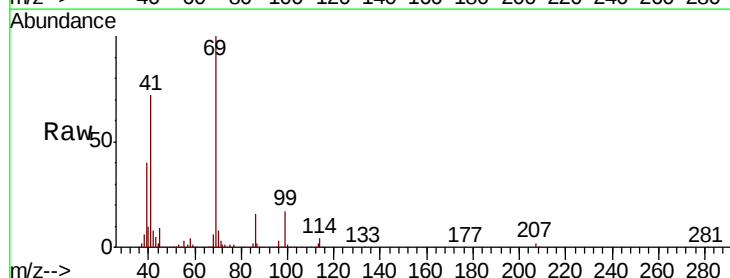
Tgt Ion: 69 Resp: 398158

Ion Ratio Lower Upper

69 100

41 71.5 57.2 85.8

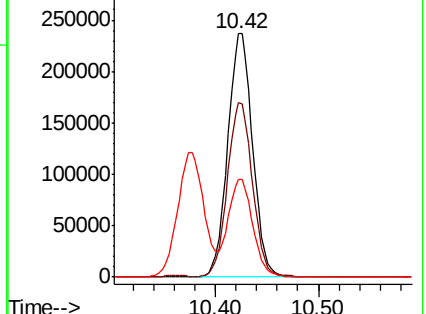
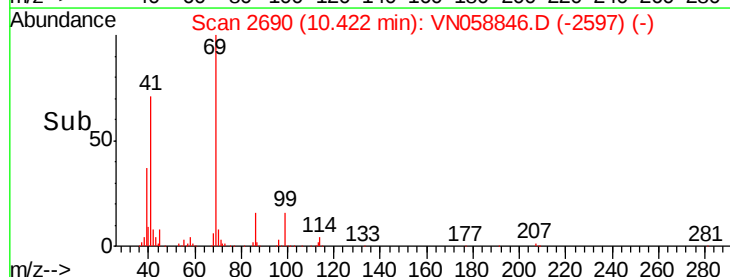
39 38.7 31.0 46.4



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.646 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

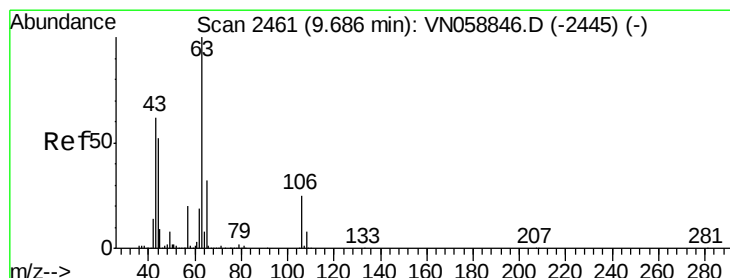
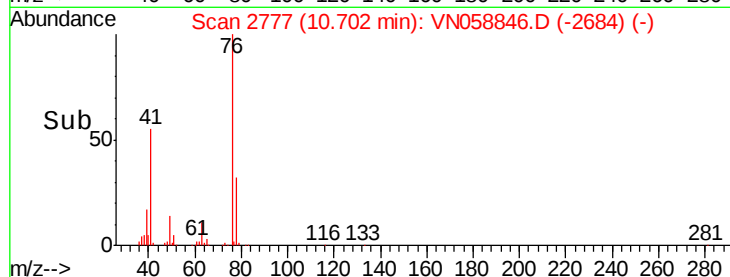
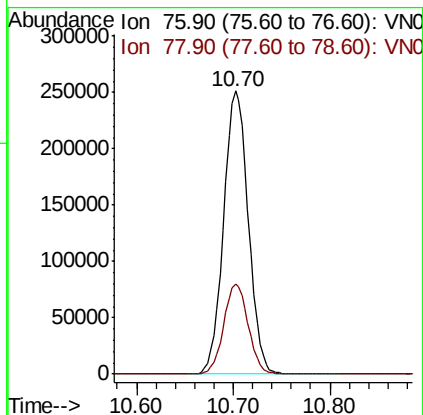
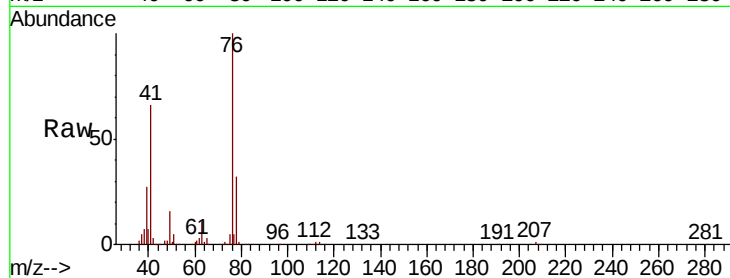
ClientSampled :

Tot Ion: 76 Resp: 444244

Ion Ratio Lower Upper

76 100

78 31.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 252.438 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058846.D

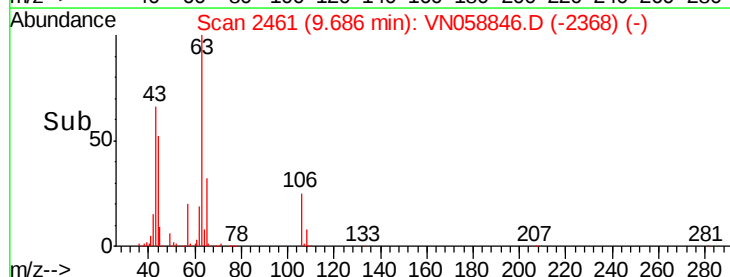
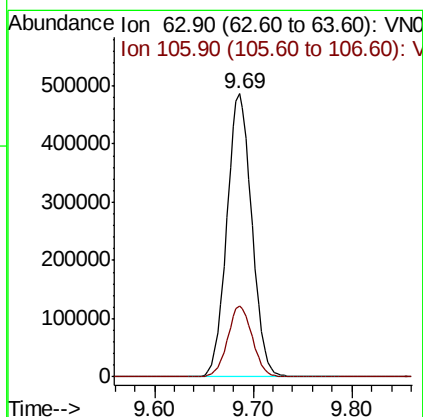
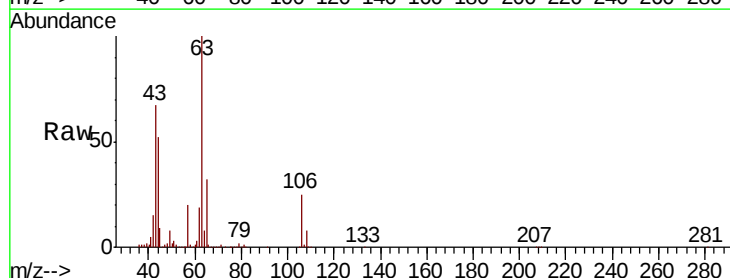
Acq: 18 Oct 2019 9:59

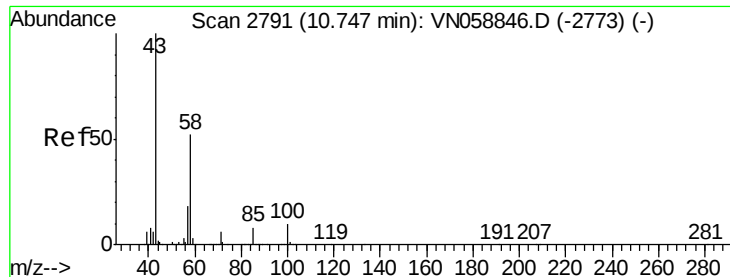
Tgt Ion: 63 Resp: 861950

Ion Ratio Lower Upper

63 100

106 24.8 19.8 29.8

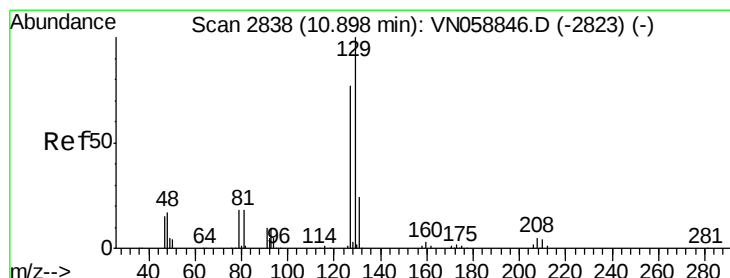
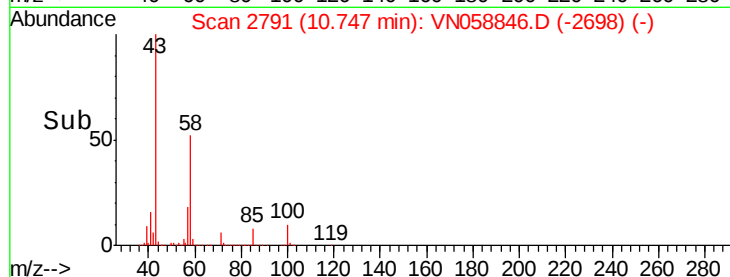
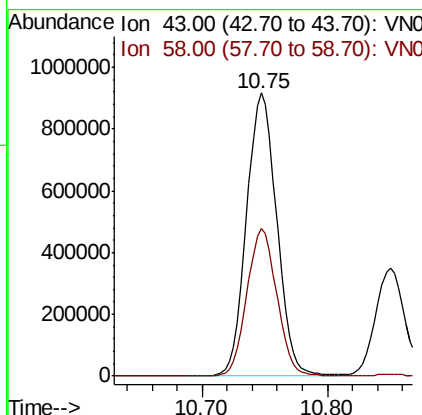
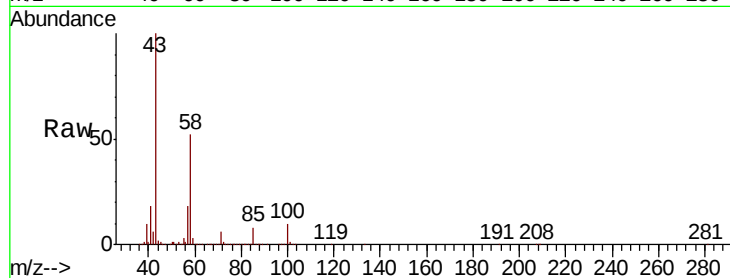




#59
2-Hexanone
Concen: 293.991 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

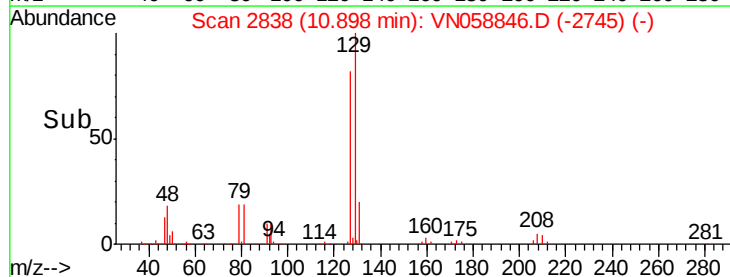
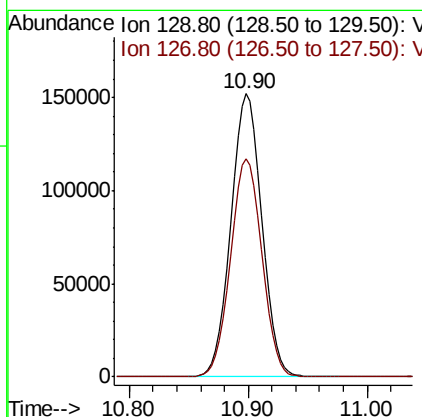
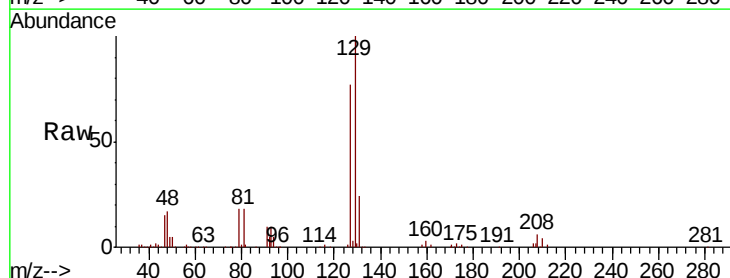
Instrument :
MSVOA_N
ClientSampled :

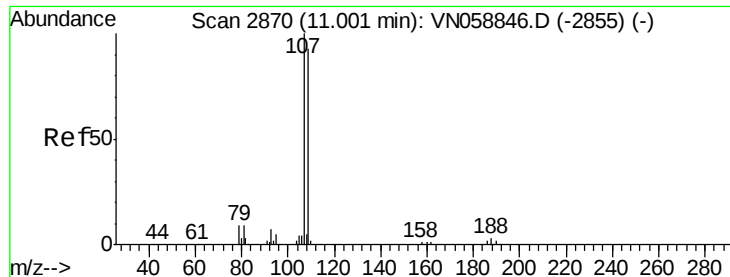
Tot Ion: 43 Resp: 1529670
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.7



#60
Dibromochloromethane
Concen: 53.640 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 129 Resp: 273683
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3





#61

1,2-Dibromoethane

Concen: 52.520 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

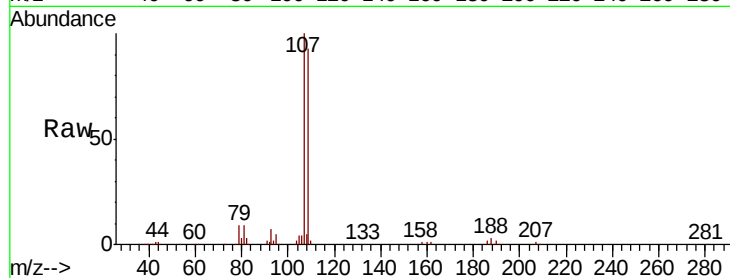
ClientSampleId :

Tot Ion: 107 Resp: 260157

Ion Ratio Lower Upper

107 100

109 94.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

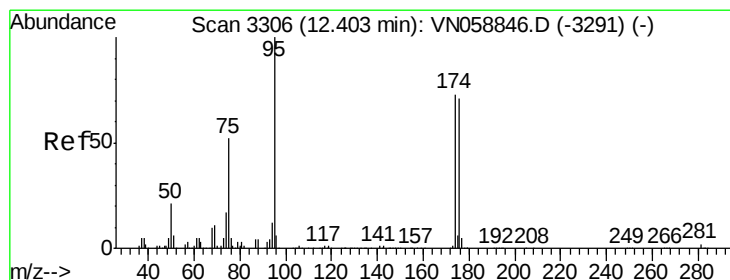
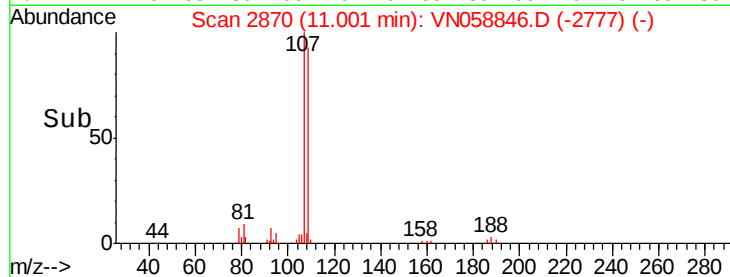
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.624 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

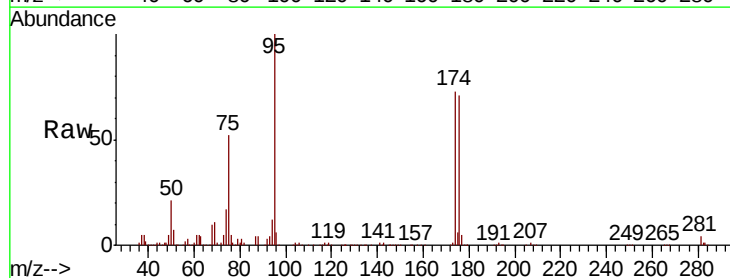
Tgt Ion: 95 Resp: 319057

Ion Ratio Lower Upper

95 100

174 73.8 0.0 147.6

176 71.6 0.0 143.2



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

250000

200000

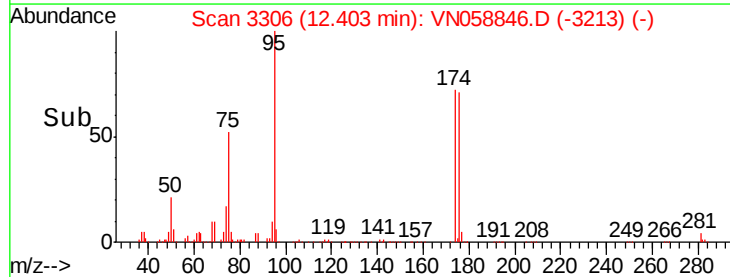
150000

100000

50000

0

Time--> 12.35 12.40 12.45

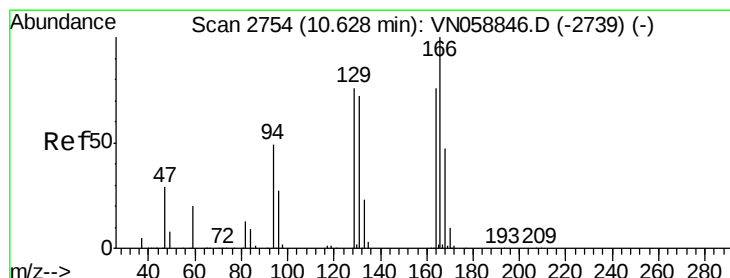
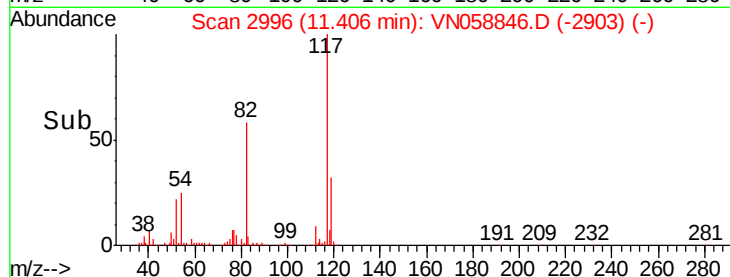
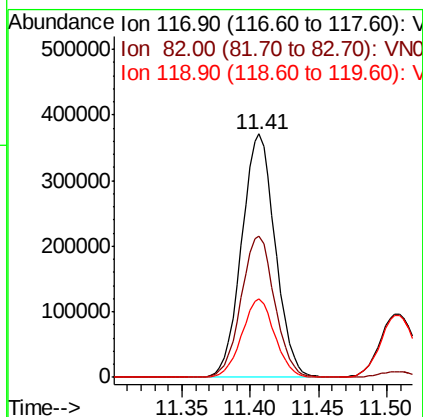
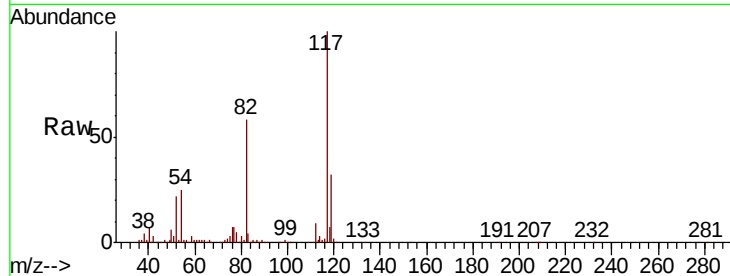




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

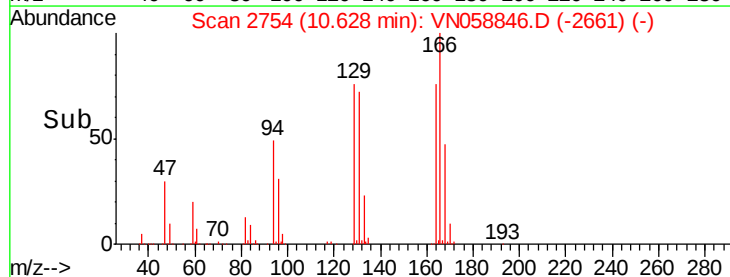
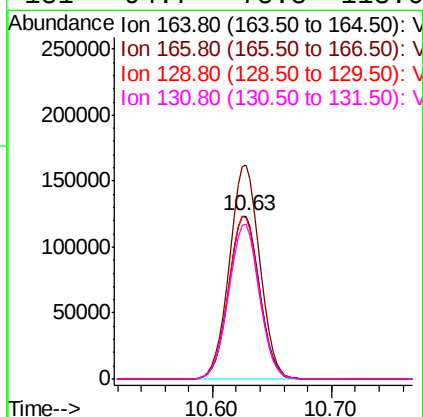
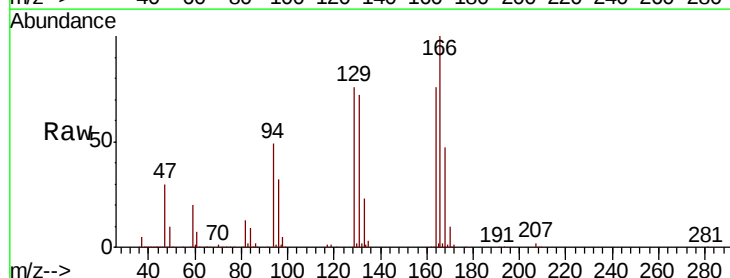
Instrument :
MSVOA_N
ClientSampleId :

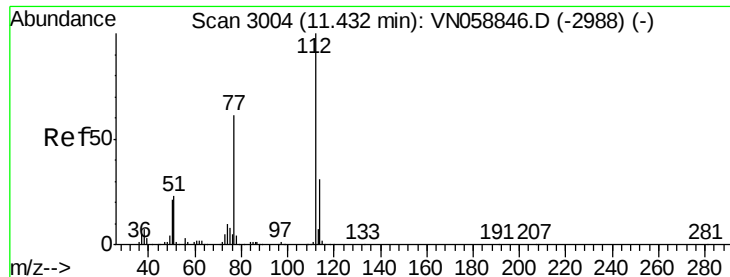
Tot Ion:117 Resp: 631707
Ion Ratio Lower Upper
117 100
82 58.2 46.6 69.8
119 32.0 25.6 38.4



#64
Tetrachloroethene
Concen: 50.079 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion:164 Resp: 222691
Ion Ratio Lower Upper
164 100
166 131.0 104.8 157.2
129 99.1 79.3 118.9
131 94.7 75.8 113.6

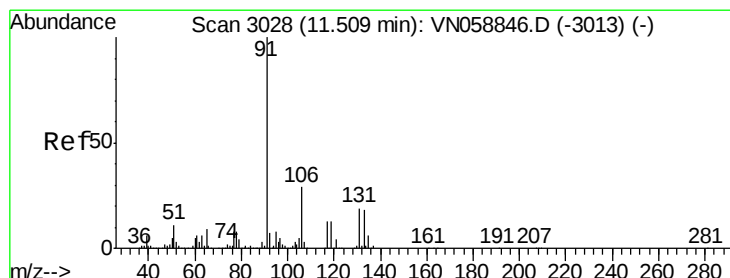
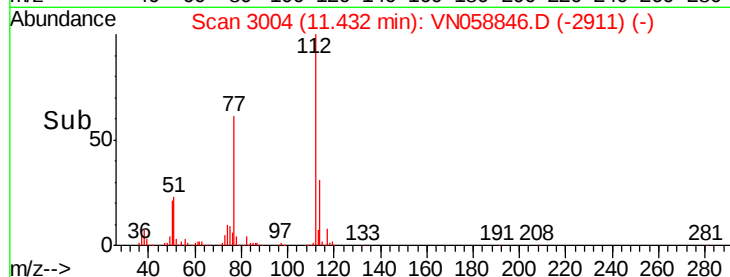
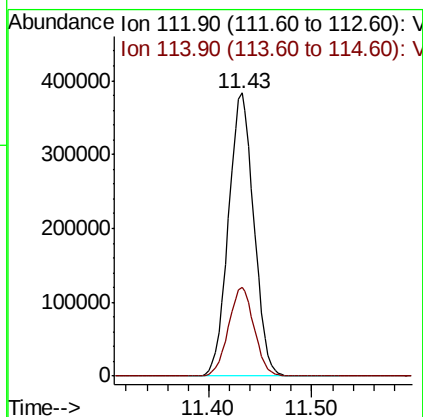
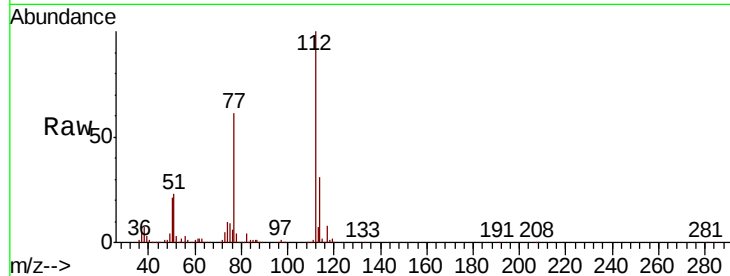




#65
Chlorobenzene
Concen: 51.005 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

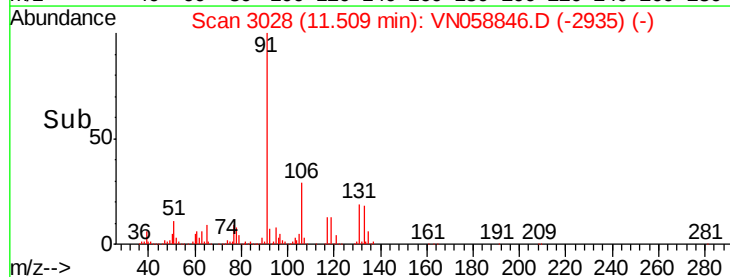
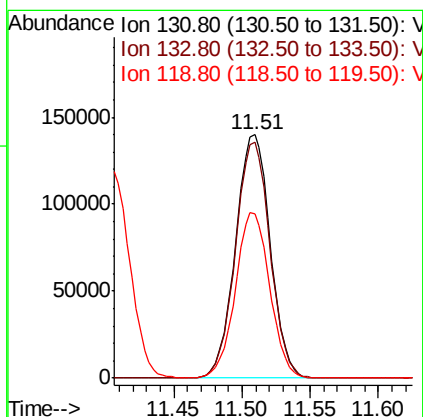
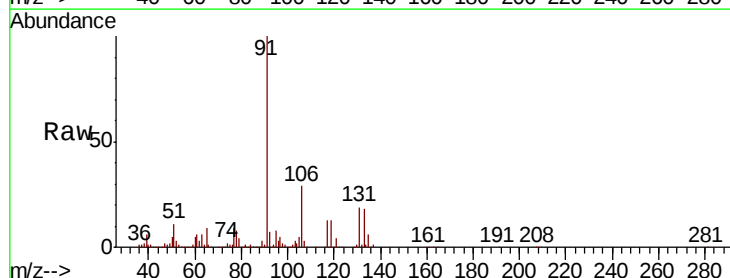
Instrument :
MSVOA_N
ClientSampled :

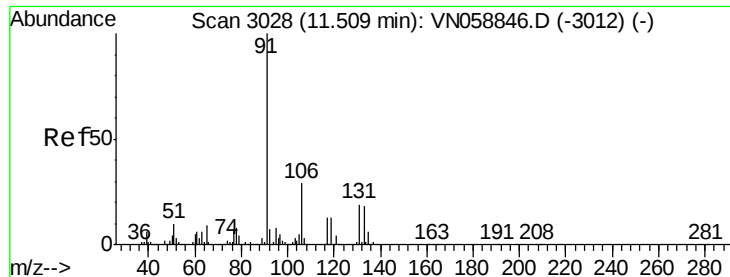
Tot Ion:112 Resp: 658162
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.839 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion:131 Resp: 247579
Ion Ratio Lower Upper
131 100
133 96.8 48.4 145.2
119 67.2 33.6 100.8





#67

Ethyl Benzene

Concen: 53.681 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

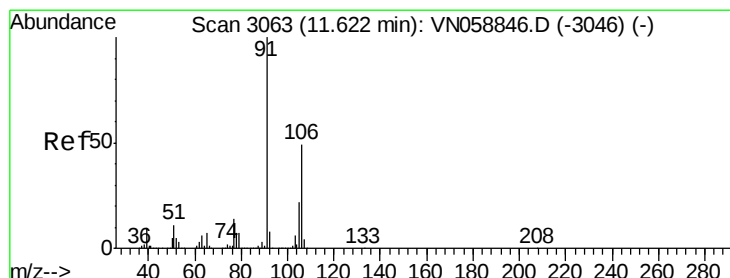
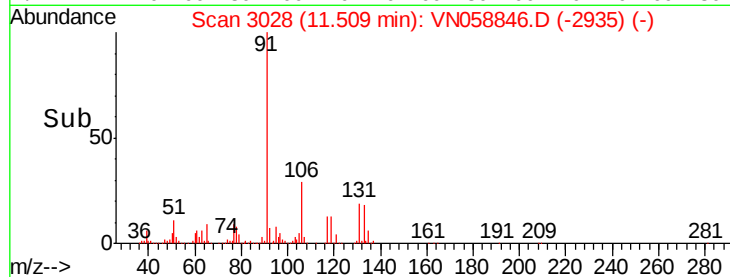
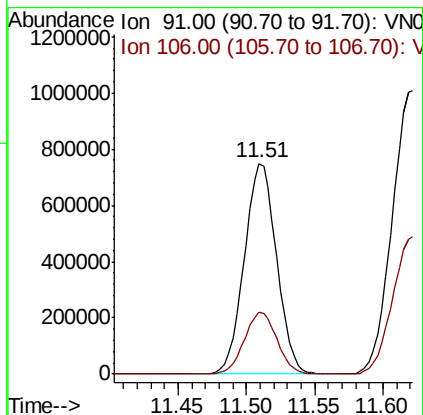
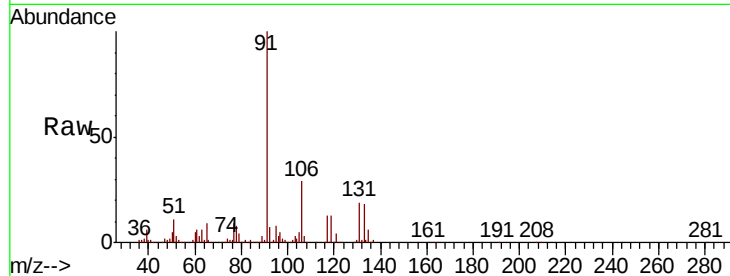
ClientSampled :

Tot Ion: 91 Resp: 1234443

Ion Ratio Lower Upper

91 100

106 29.2 23.4 35.0



#68

m/p-Xylenes

Concen: 106.356 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058846.D

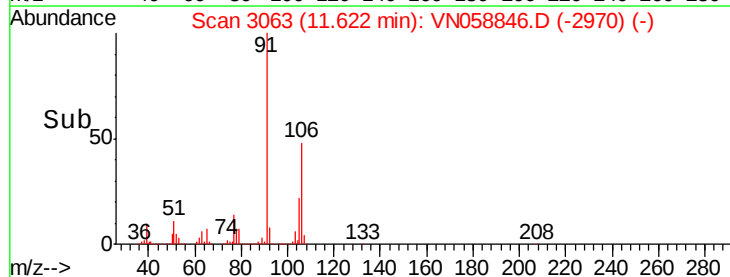
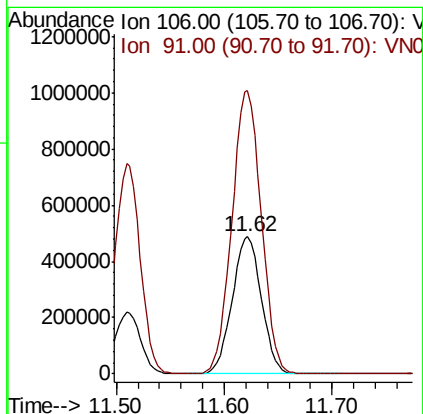
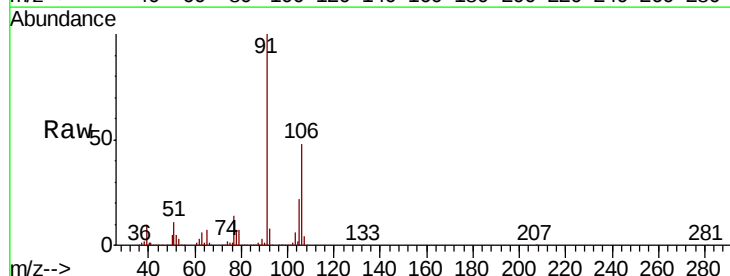
Acq: 18 Oct 2019 9:59

Tgt Ion: 106 Resp: 917522

Ion Ratio Lower Upper

106 100

91 208.2 166.6 249.8

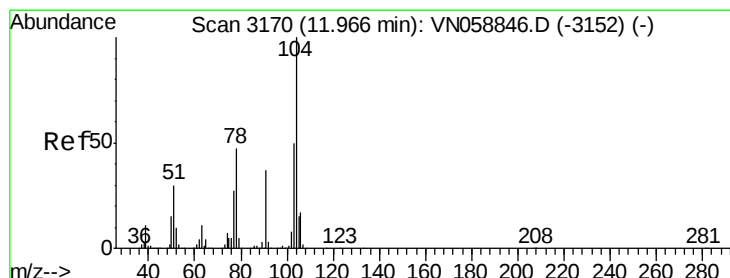
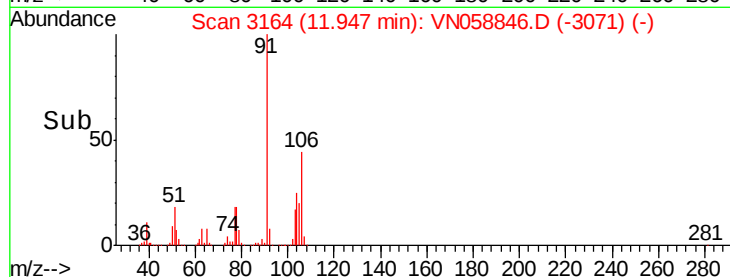
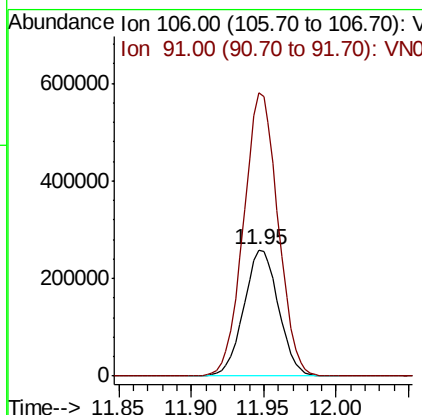
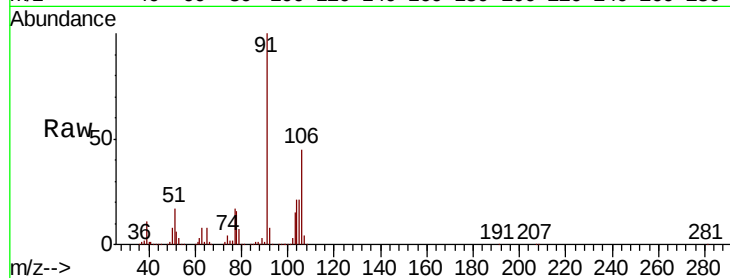




#69
o-Xylene
Concen: 51.745 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

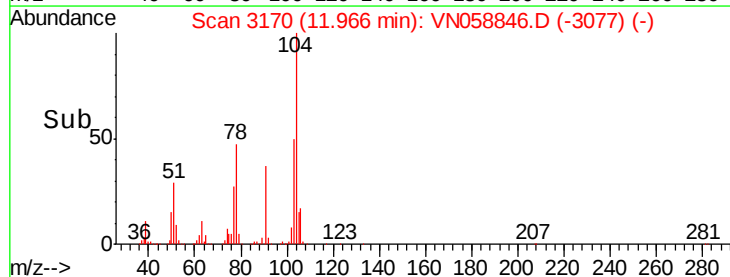
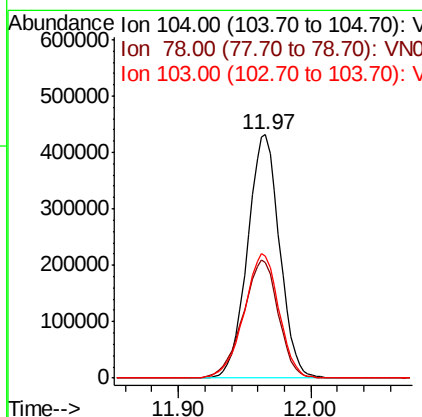
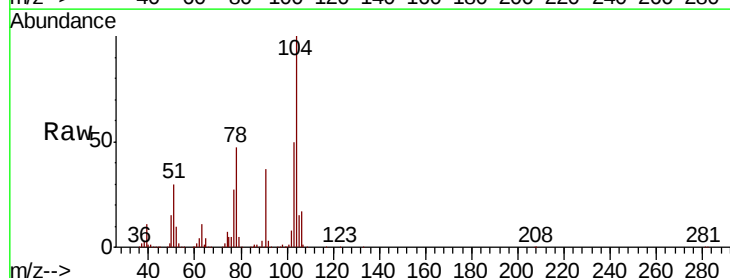
Instrument :
MSVOA_N
ClientSampleId :

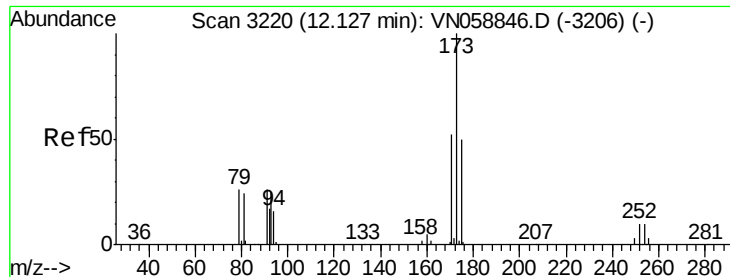
Tot Ion:106 Resp: 431405
Ion Ratio Lower Upper
106 100
91 222.9 111.5 334.4



#70
Styrene
Concen: 53.133 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion:104 Resp: 725669
Ion Ratio Lower Upper
104 100
78 53.5 42.8 64.2
103 55.4 44.3 66.5

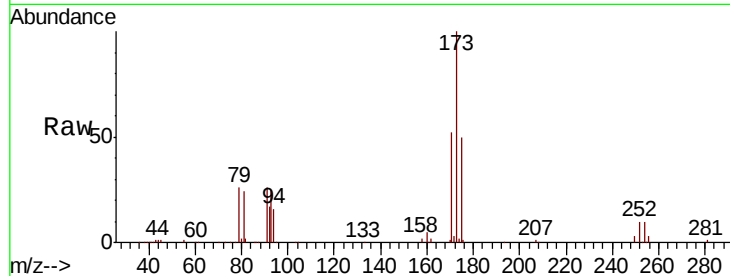




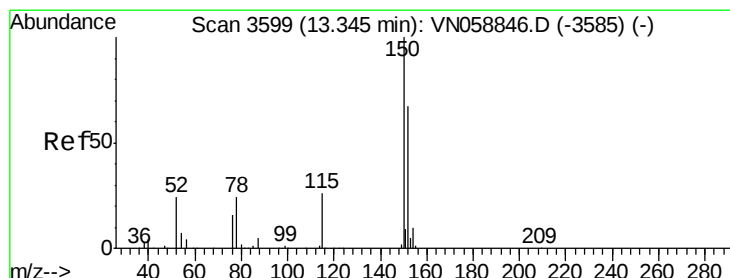
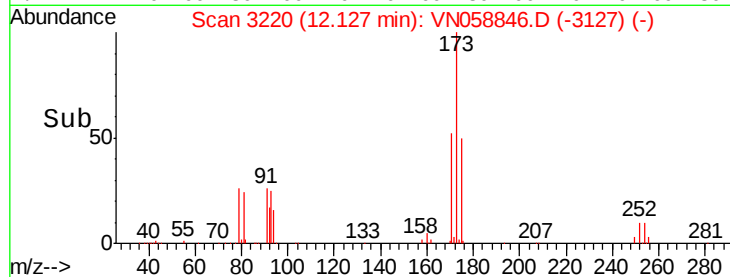
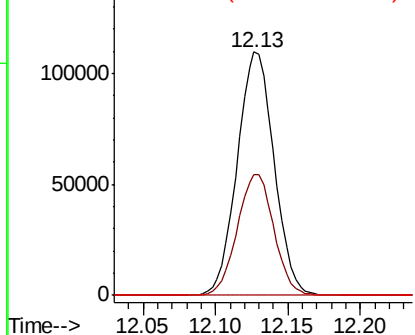
#71
Bromoform
Concen: 55.009 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 193863
Ion Ratio Lower Upper
173 100
175 49.4 24.7 74.1
254 0.0 0.0 0.0#

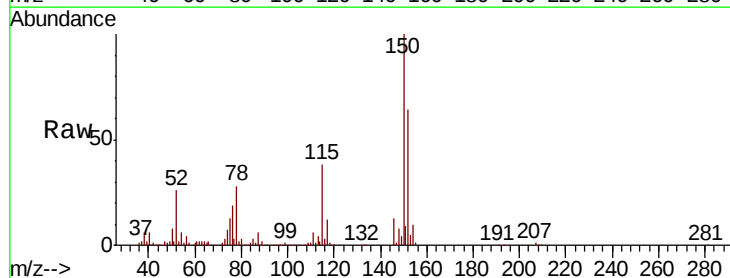


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

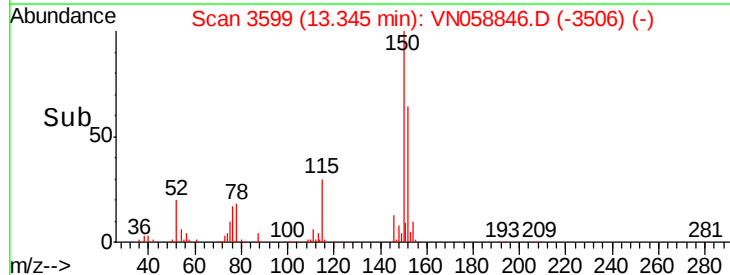
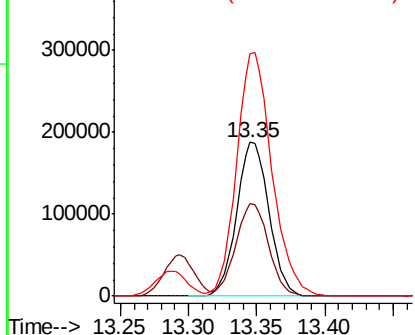


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion:152 Resp: 309100
Ion Ratio Lower Upper
152 100
115 61.0 30.5 91.5
150 172.2 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.434 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

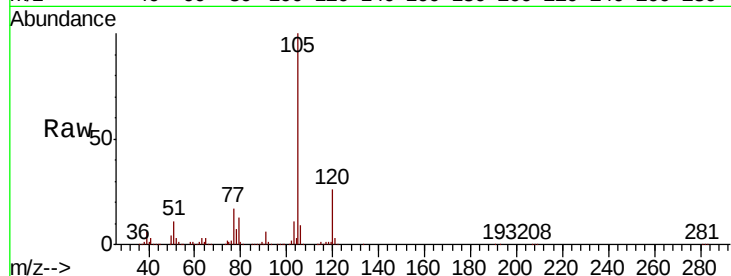
ClientSampled :

Tot Ion: 105 Resp: 1182419

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

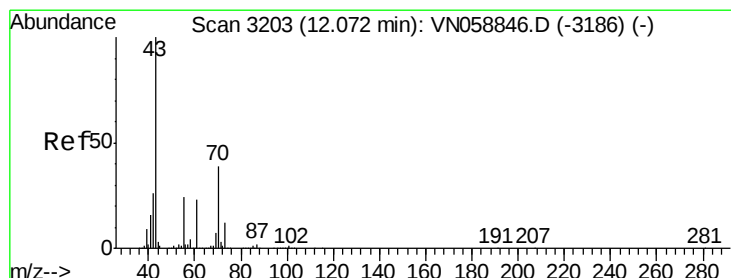
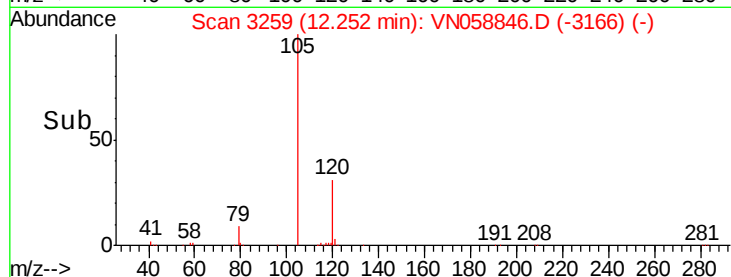
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 55.090 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Tgt Ion: 43 Resp: 562616

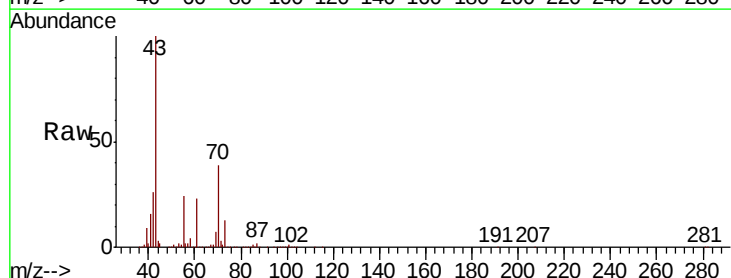
Ion Ratio Lower Upper

43 100

70 38.6 30.9 46.3

55 24.6 19.7 29.5

61 22.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

300000

200000

100000

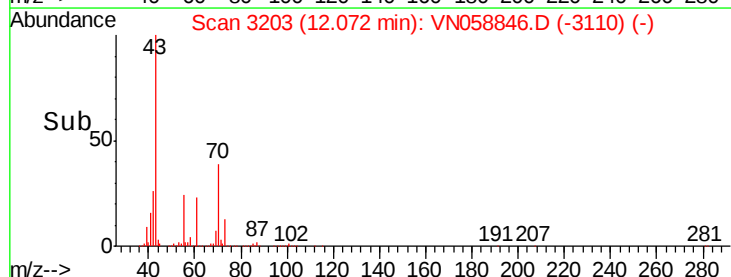
0

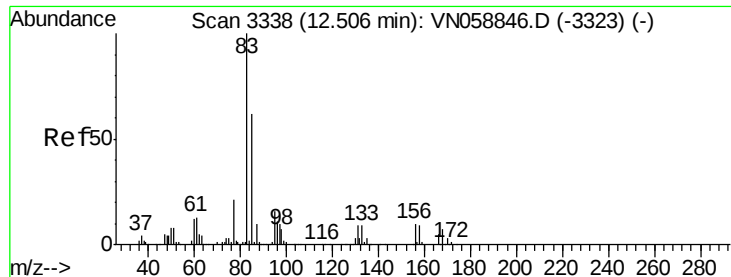
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.561 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

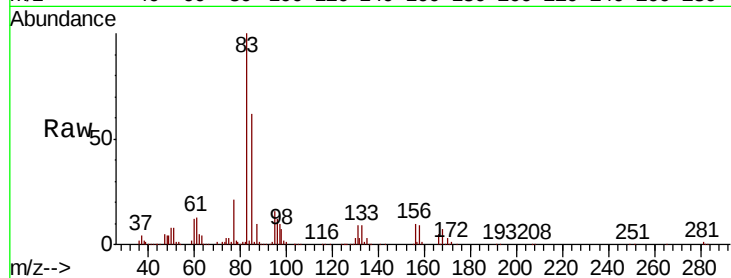
Tot Ion: 83 Resp: 393606

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

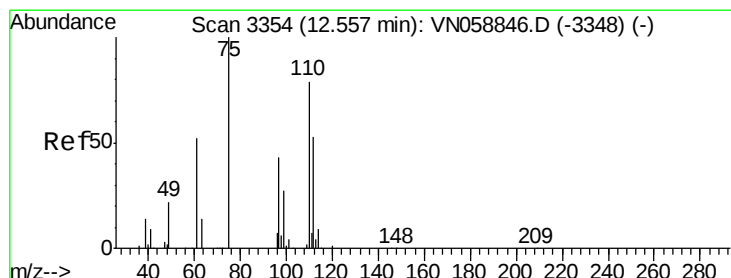
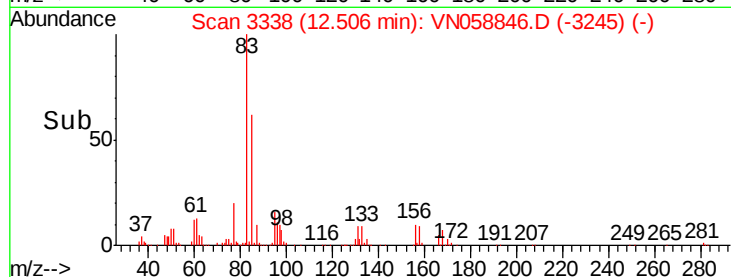
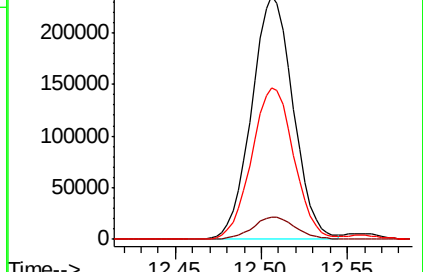
85 63.4 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN058846.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 76.580 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058846.D

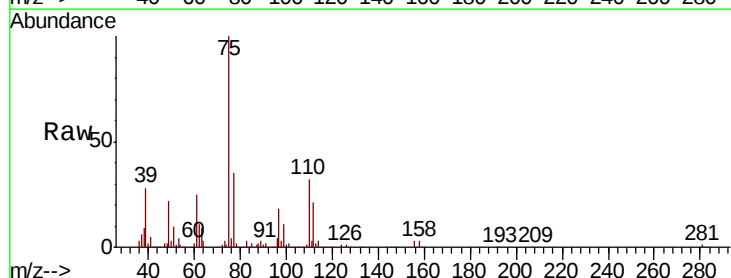
Acq: 18 Oct 2019 9:59

Tgt Ion: 75 Resp: 532736

Ion Ratio Lower Upper

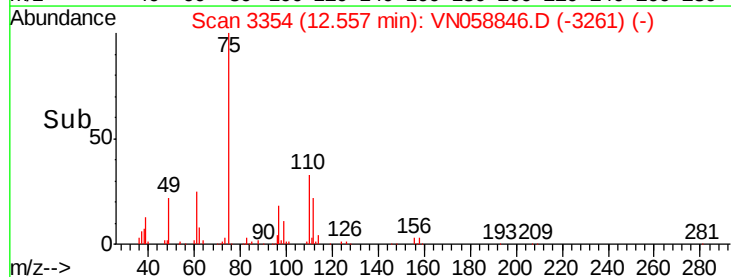
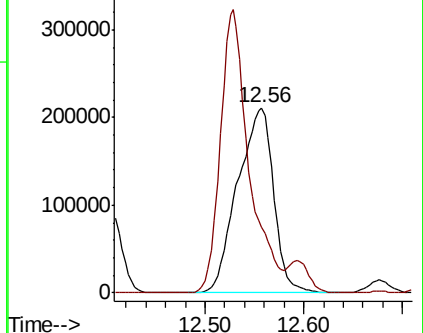
75 100

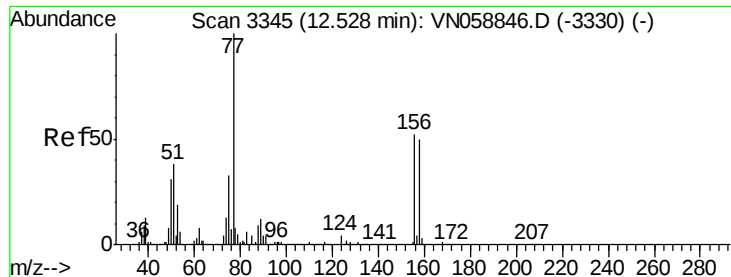
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN058846.D (-3348) (-)





#77

Bromobenzene

Concen: 50.731 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

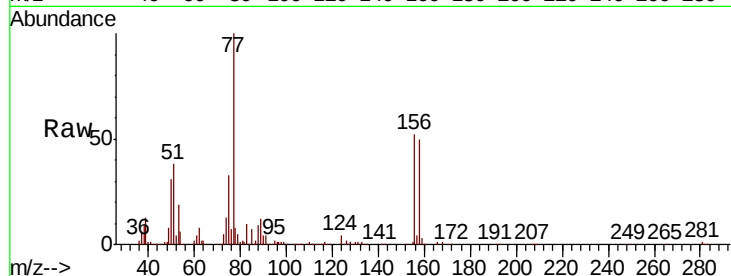
Tot Ion:156 Resp: 278776

Ion Ratio Lower Upper

156 100

77 236.0 118.0 354.0

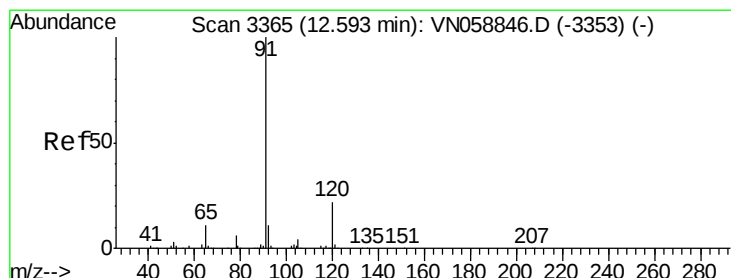
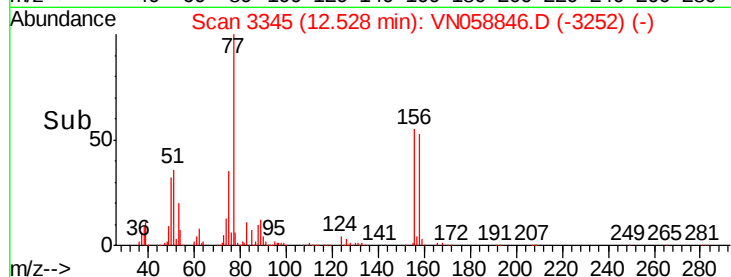
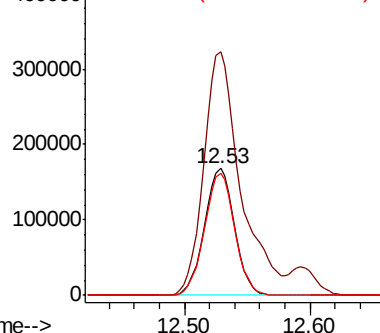
158 96.5 48.3 144.8



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: 54.026 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058846.D

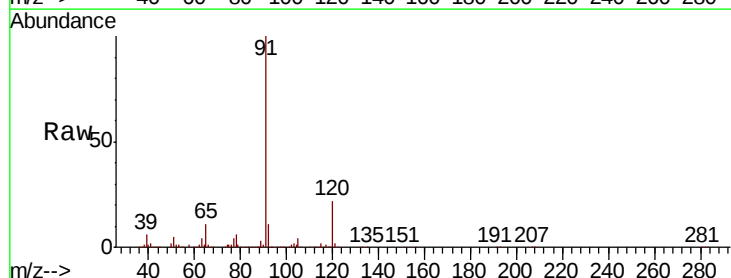
Acq: 18 Oct 2019 9:59

Tgt Ion: 91 Resp: 1421574

Ion Ratio Lower Upper

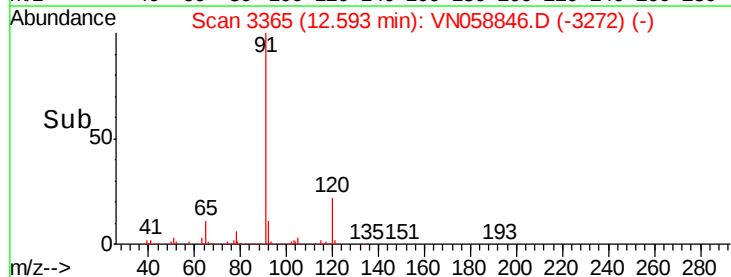
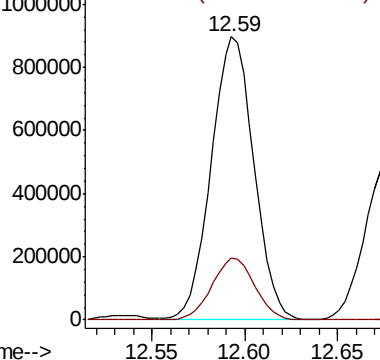
91 100

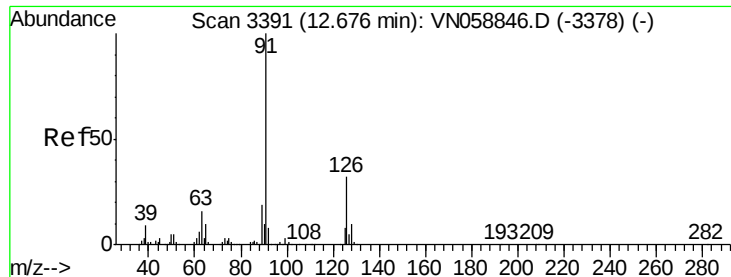
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

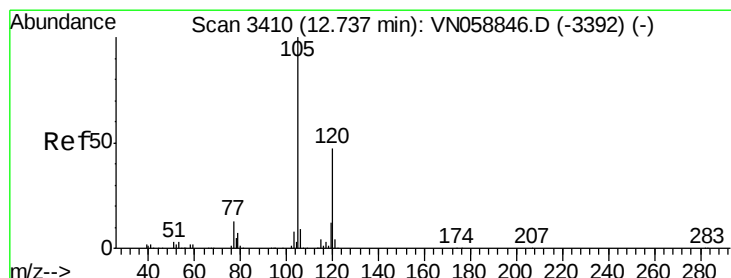
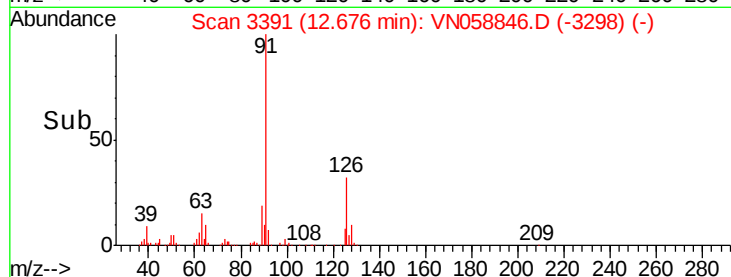
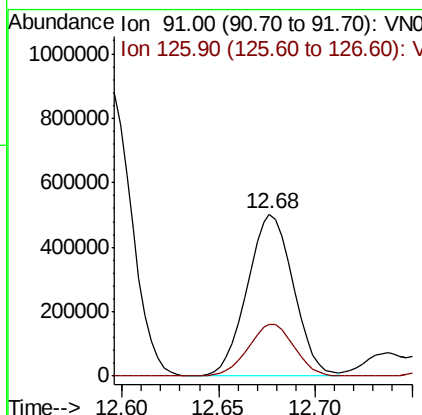
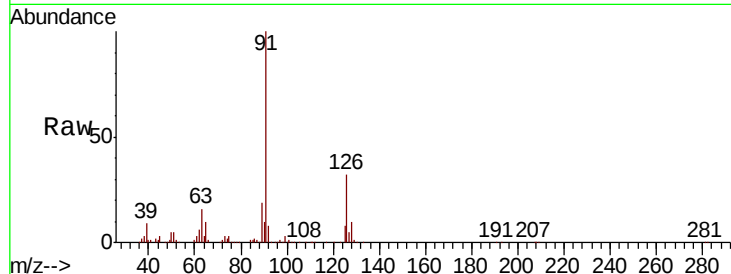




#79
 2-Chlorotoluene
 Concen: 50.815 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

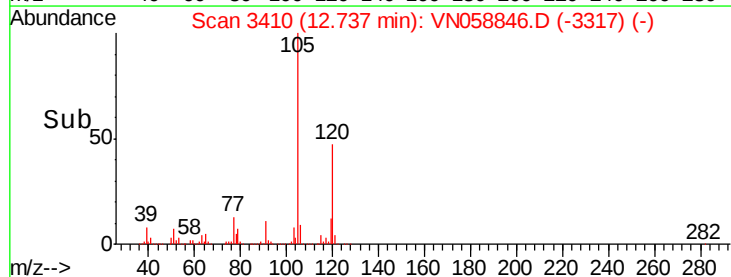
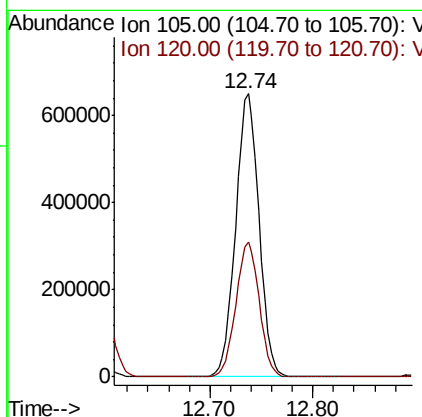
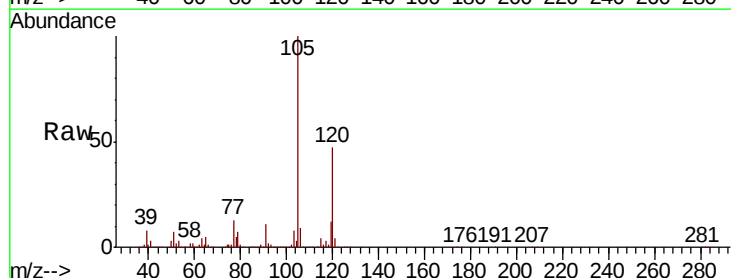
Instrument :
 MSVOA_N
 ClientSampled :

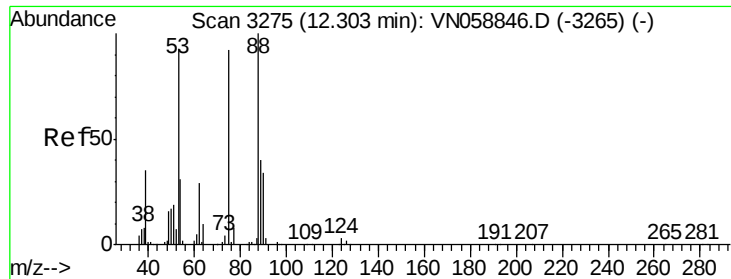
Tot Ion: 91 Resp: 829694
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 53.155 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion: 105 Resp: 1023351
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 54.824 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampled :

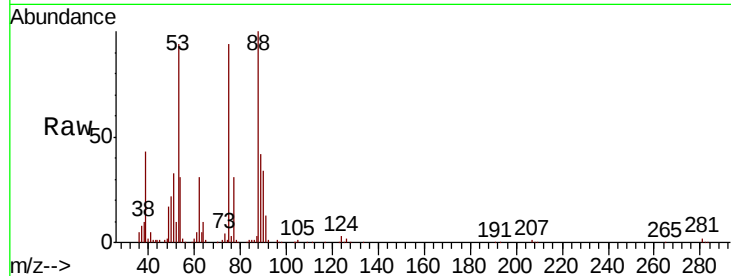
Tot Ion: 75 Resp: 142092

Ion Ratio Lower Upper

75 100

53 98.3 78.6 118.0

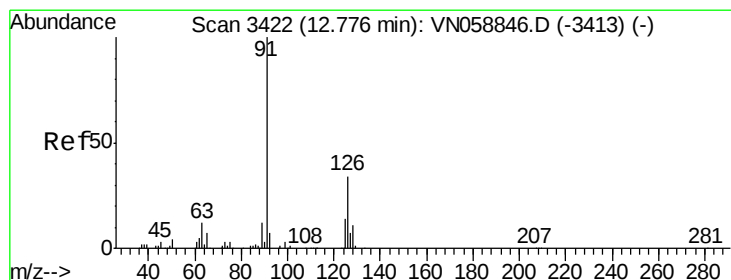
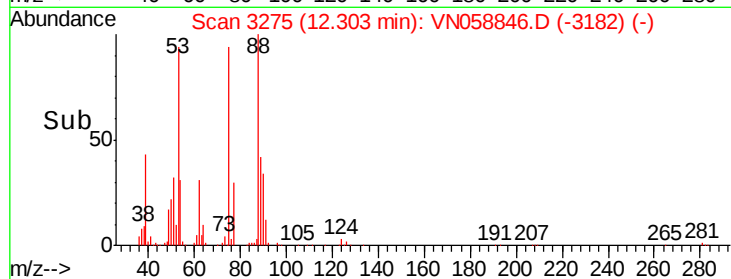
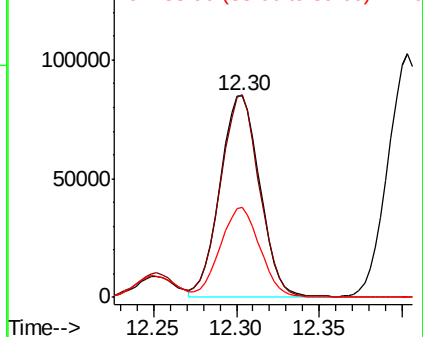
89 44.2 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 51.802 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058846.D

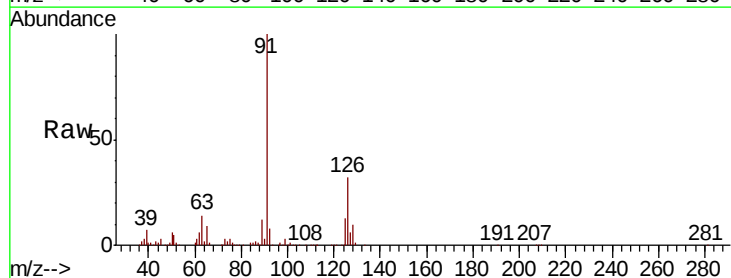
Acq: 18 Oct 2019 9:59

Tgt Ion: 91 Resp: 867556

Ion Ratio Lower Upper

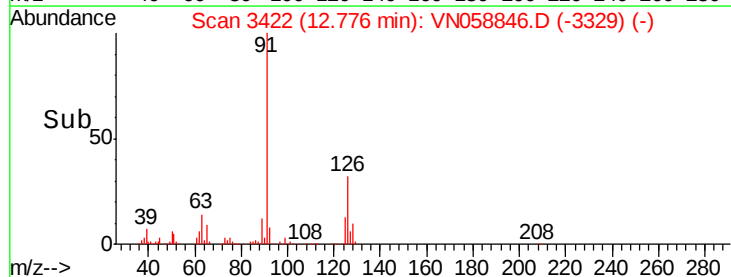
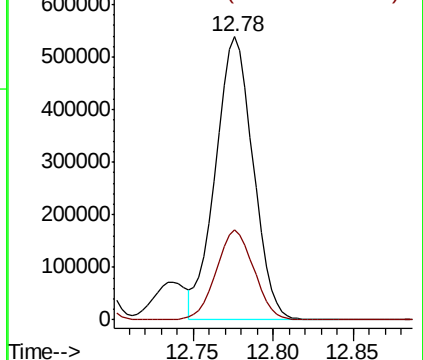
91 100

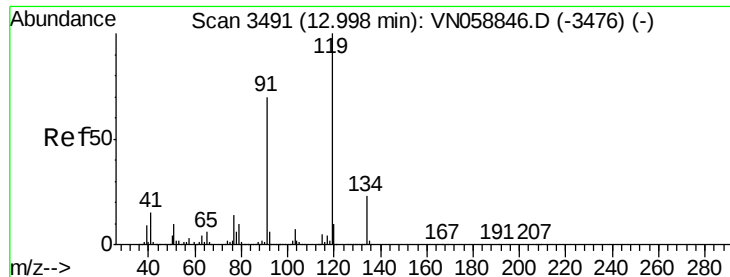
126 31.9 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO

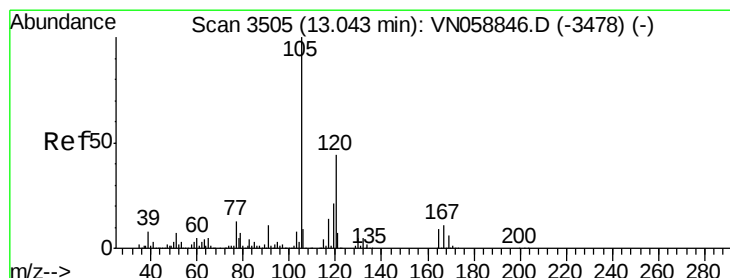
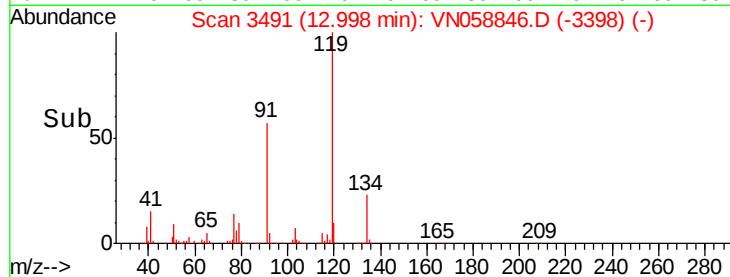
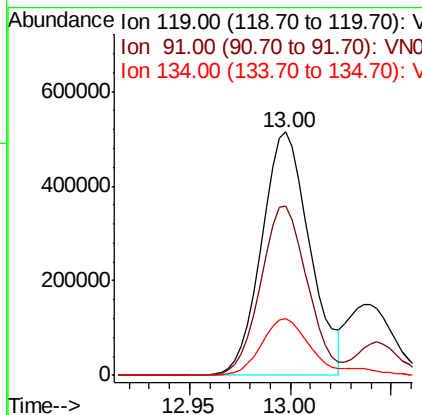
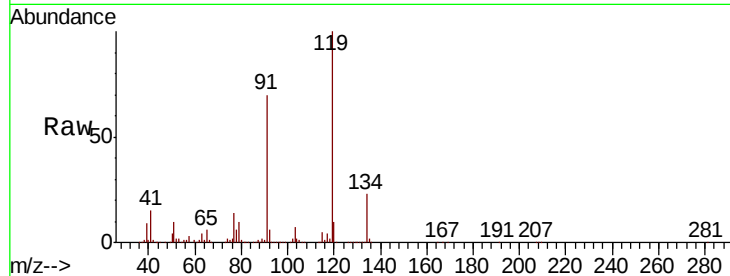




#83
tert-Butylbenzene
Concen: 51.674 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

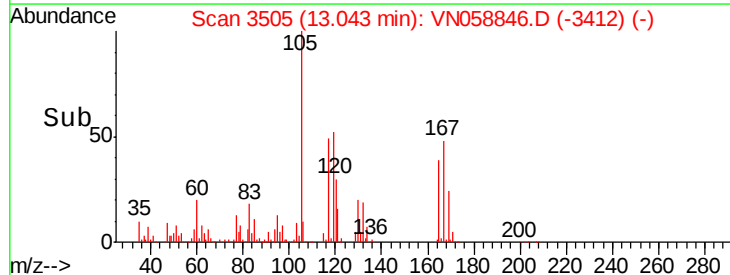
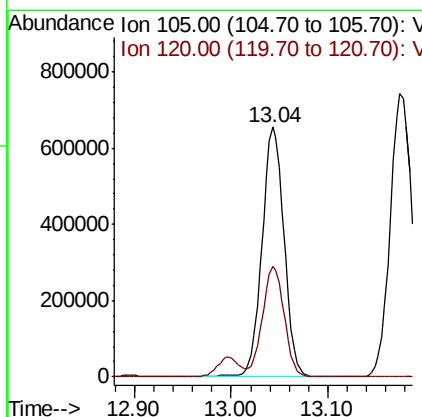
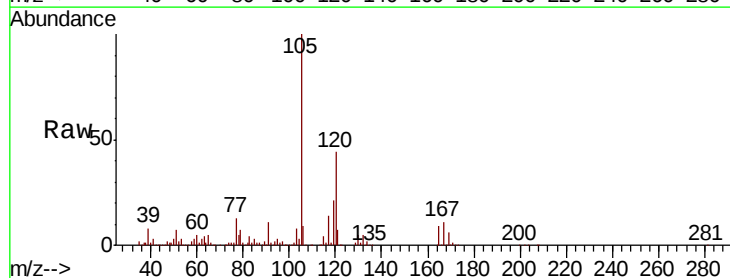
Instrument :
MSVOA_N
ClientSampled :

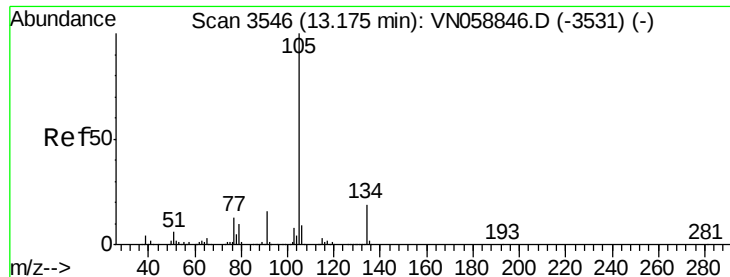
Tot Ion:119 Resp: 852055
Ion Ratio Lower Upper
119 100
91 68.2 34.1 102.3
134 23.2 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 53.943 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion:105 Resp: 1032383
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.8





#85

sec-Butylbenzene

Concen: 53.942 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

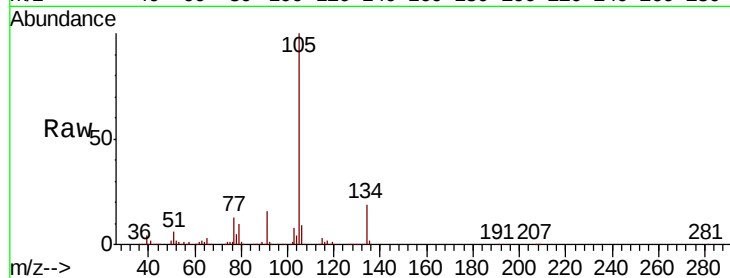
ClientSampleId :

Tot Ion:105 Resp: 1173229

Ion Ratio Lower Upper

105 100

134 18.8 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

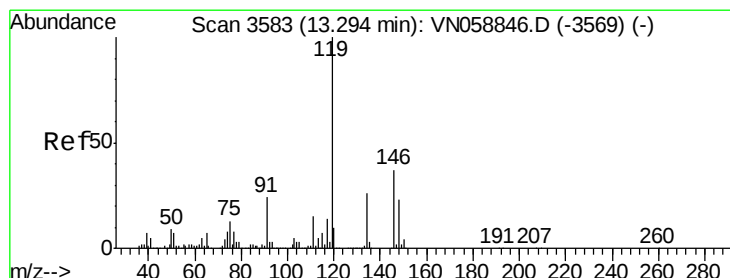
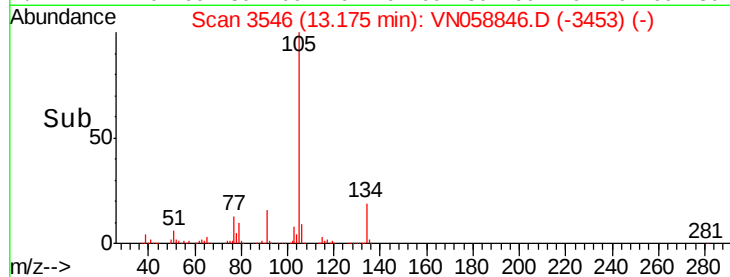
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.619 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

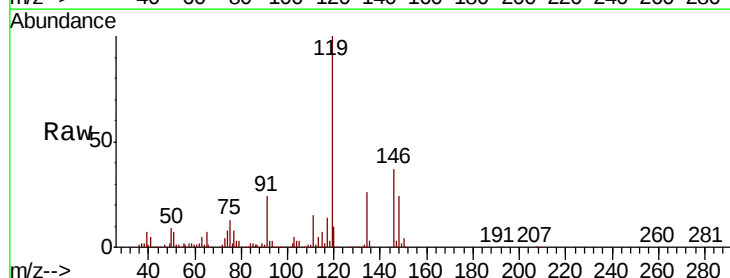
Tgt Ion:119 Resp: 1057234

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.3 12.2 36.4



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

13.29

800000

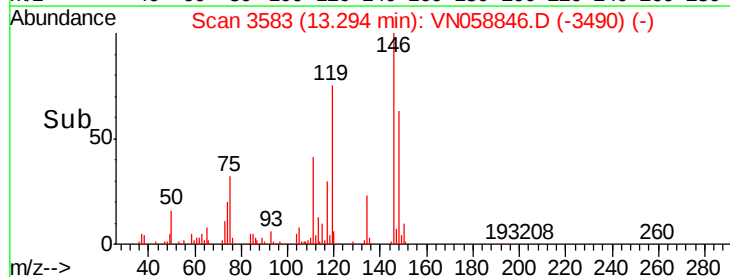
600000

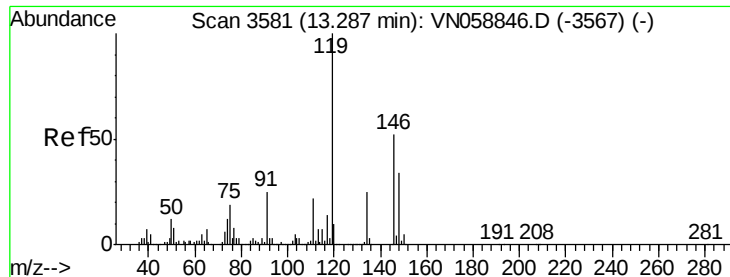
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.407 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058846.D

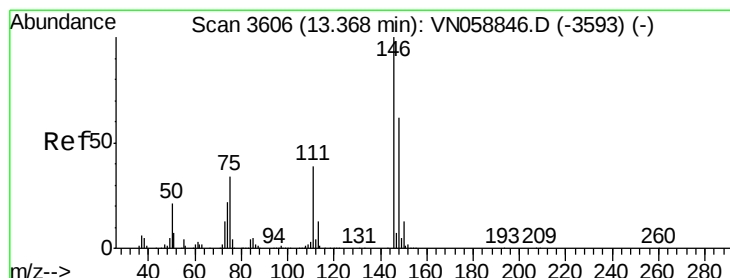
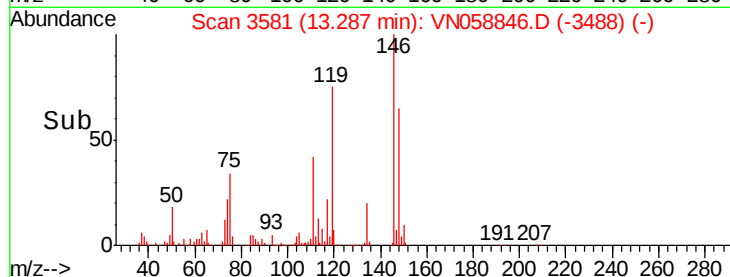
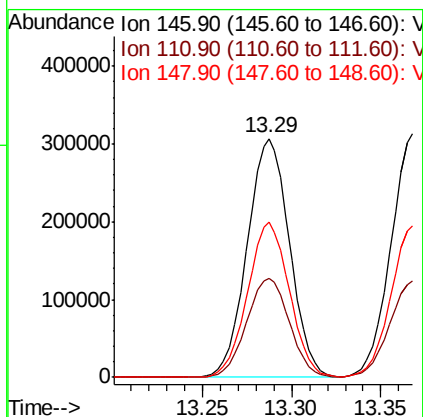
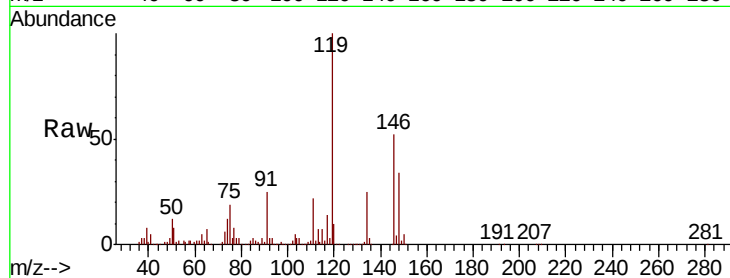
Acq: 18 Oct 2019 9:59

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	509080
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	64.2	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 49.446 ug/l

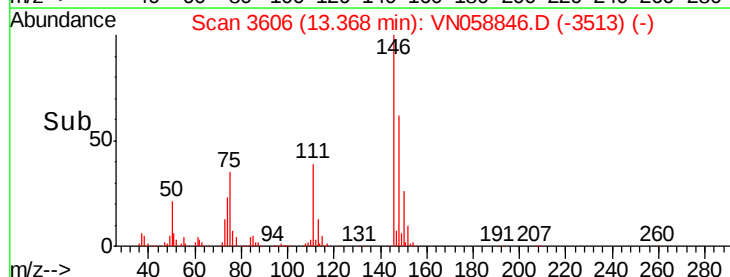
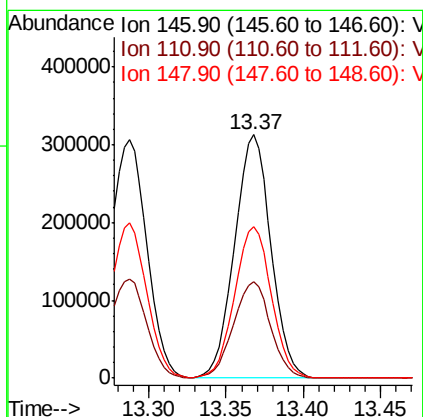
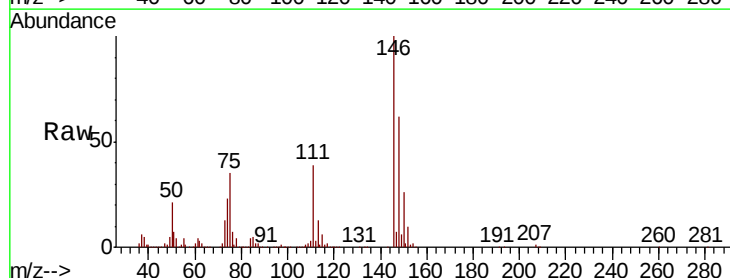
RT: 13.37 min Scan# 3606

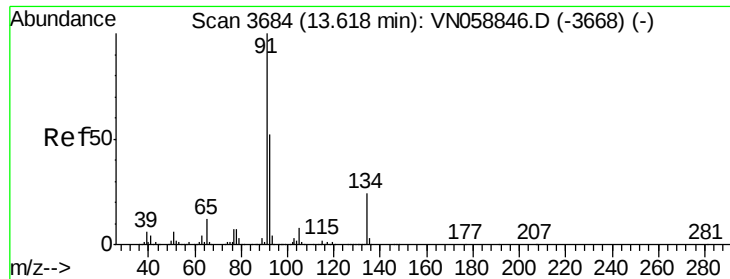
Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Tgt Ion:	146	Resp:	508416
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	63.1	31.6	94.7

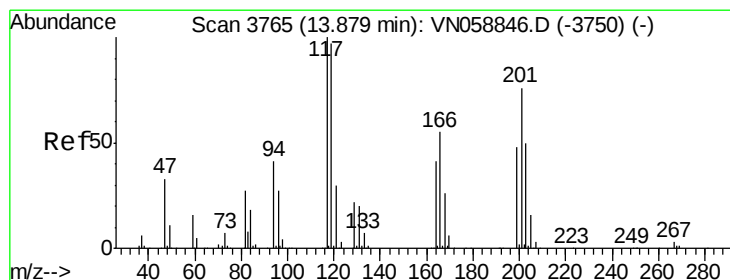
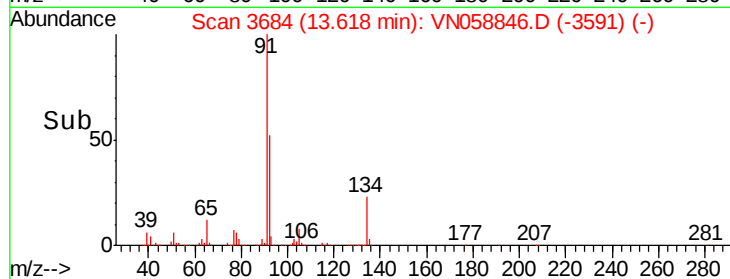
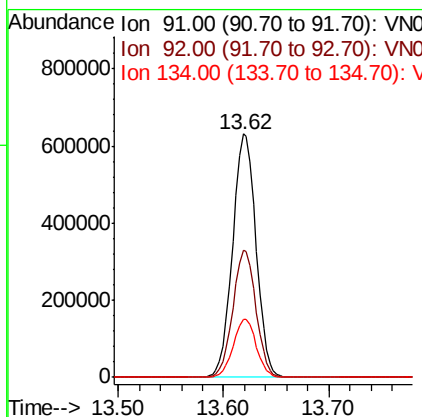
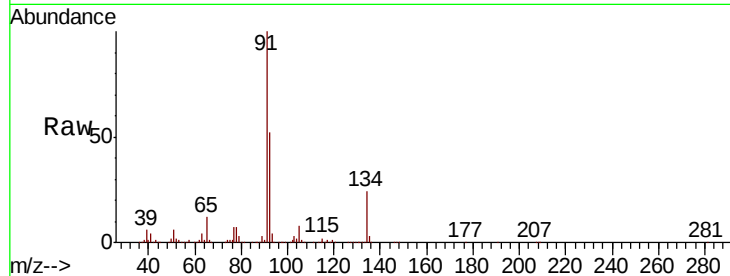




#89
n-Butylbenzene
Concen: 53.033 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

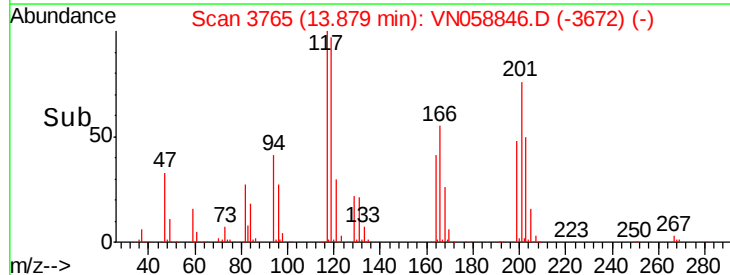
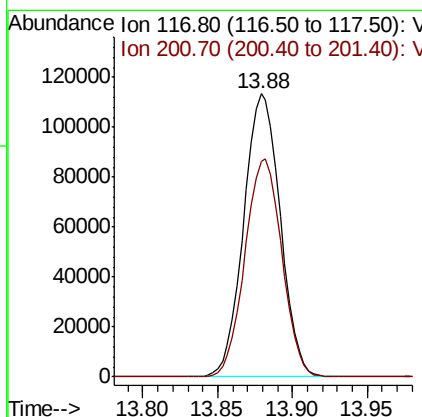
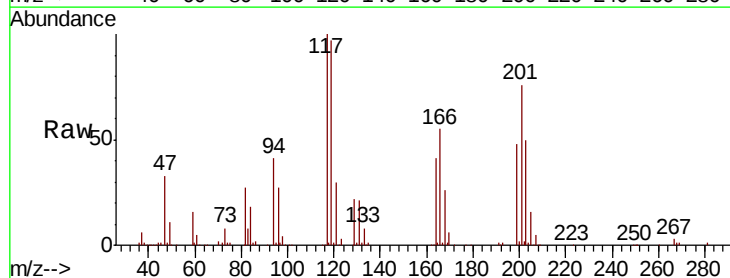
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 967143
Ion Ratio Lower Upper
91 100
92 51.4 25.7 77.1
134 23.7 11.9 35.5



#90
Hexachloroethane
Concen: 54.152 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058846.D
Acq: 18 Oct 2019 9:59

Tgt Ion: 117 Resp: 192978
Ion Ratio Lower Upper
117 100
201 77.7 38.9 116.6

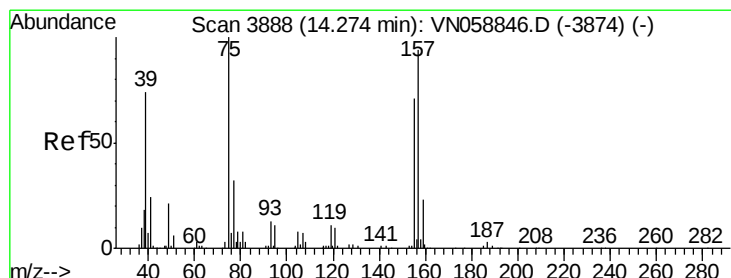
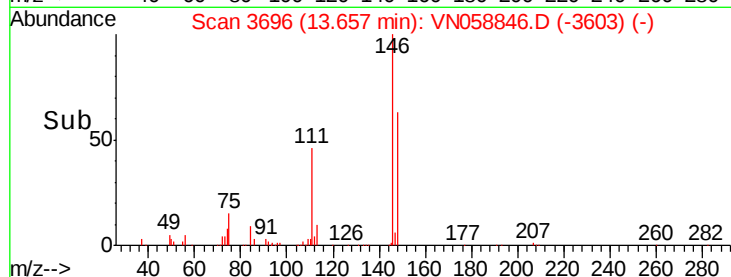
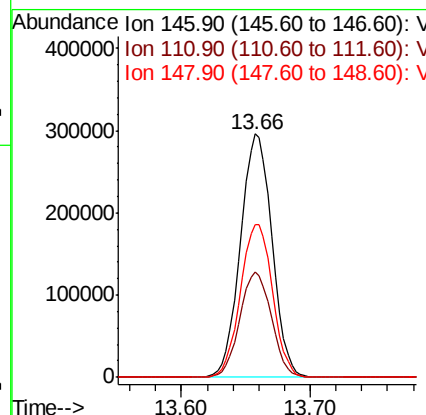
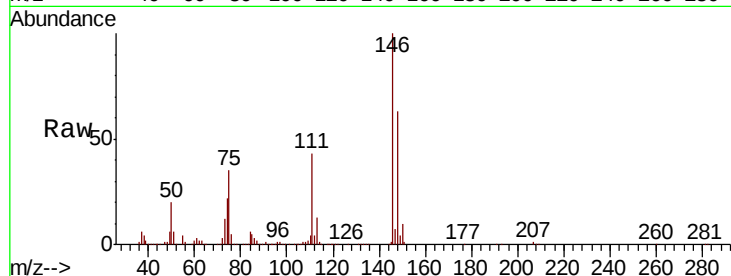




#91
 1,2-Dichlorobenzene
 Concen: 51.051 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

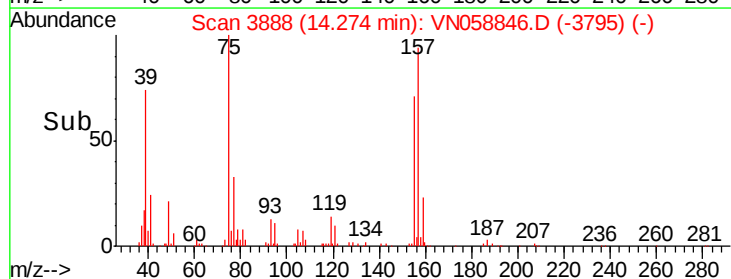
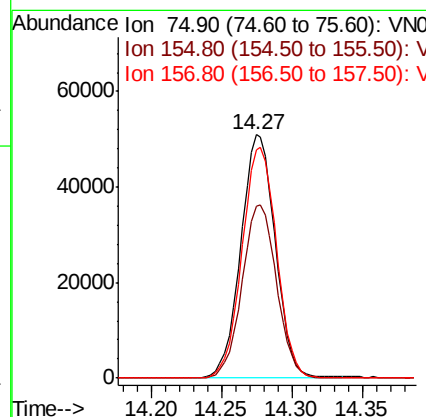
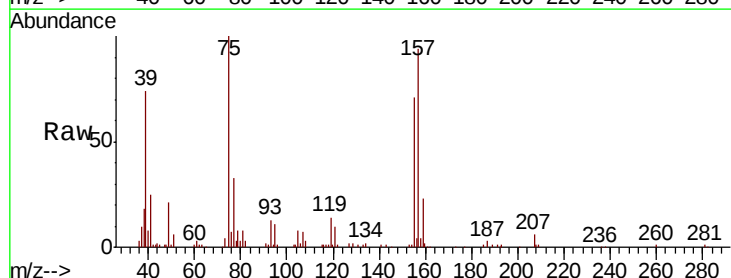
Instrument :
 MSVOA_N
 ClientSampleId :

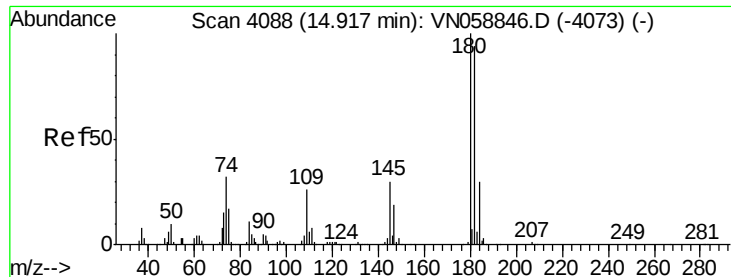
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	63.9	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.833 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.2	35.6	106.8
157	94.8	47.4	142.2

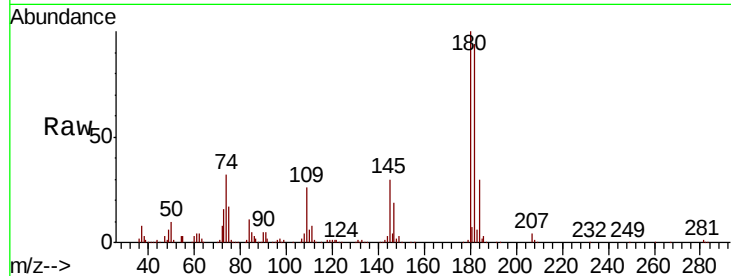




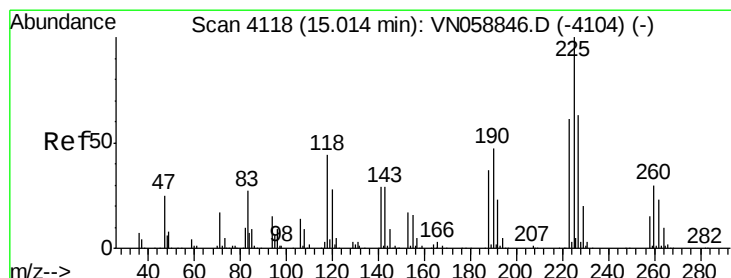
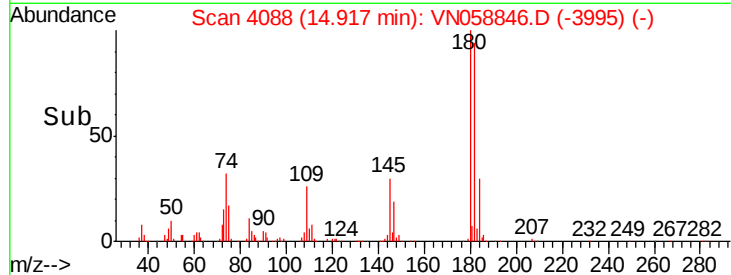
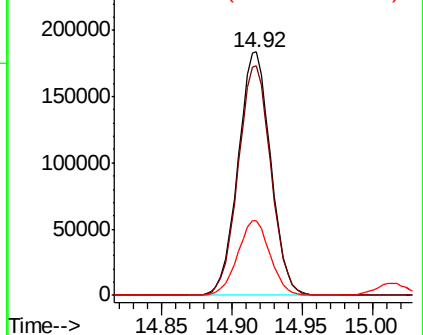
#93
 1,2,4-Trichlorobenzene
 Concen: 49.895 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	30.5	15.3	45.8

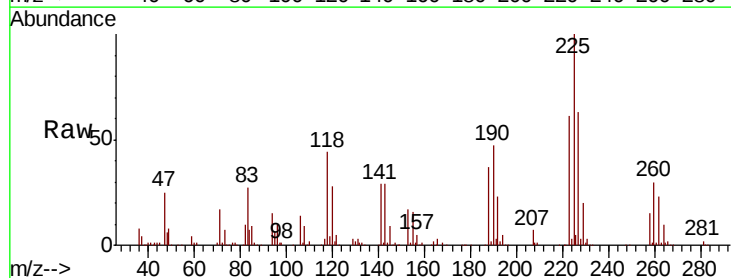


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

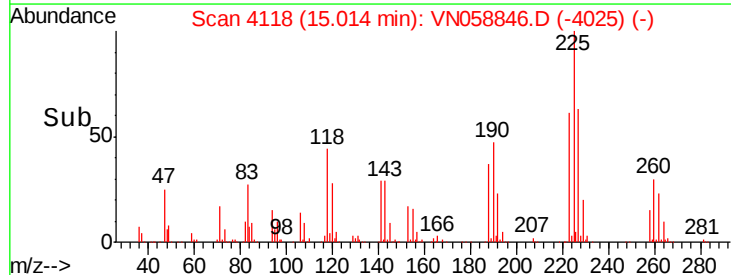
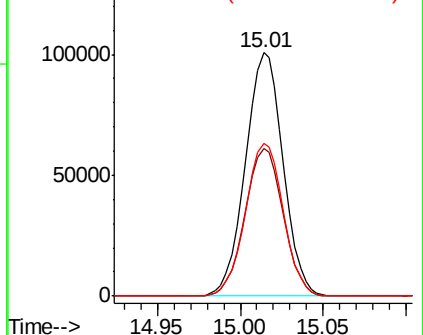


#94
 Hexachlorobutadiene
 Concen: 50.338 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058846.D
 Acq: 18 Oct 2019 9:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.9	92.5
227	63.1	31.6	94.7



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: 50.582 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

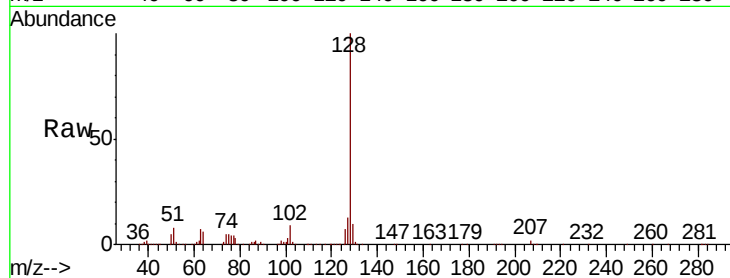
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 864836

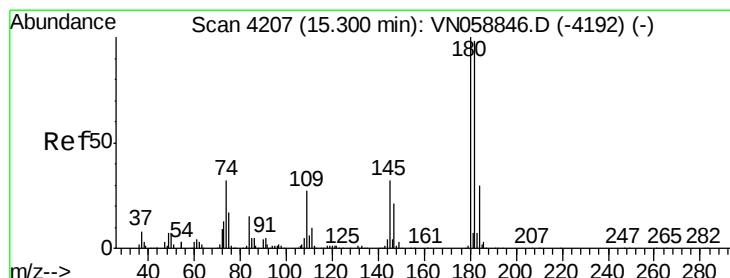
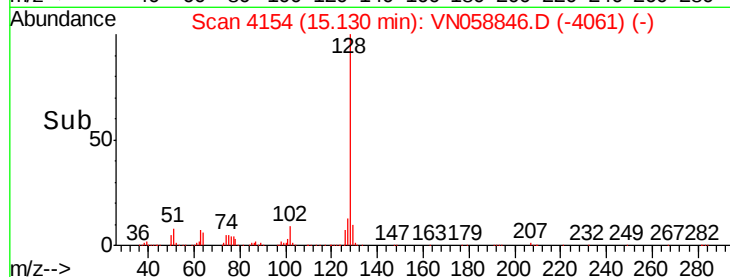
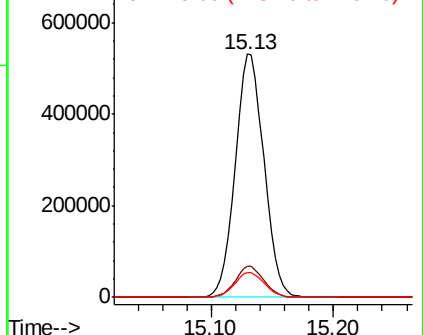
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.5	8.4	12.6



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: 49.402 ug/l

RT: 15.30 min Scan# 4207

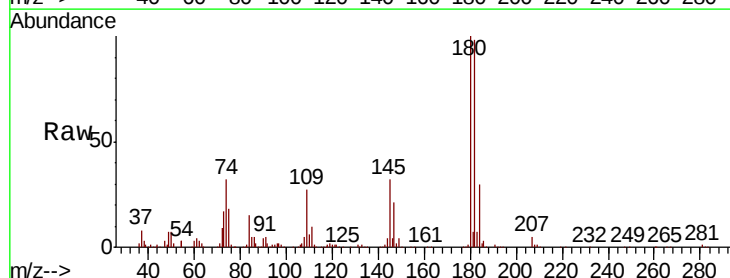
Delta R.T. 0.00 min

Lab File: VN058846.D

Acq: 18 Oct 2019 9:59

Tgt Ion:180 Resp: 288143

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	31.8	15.9	47.7



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

