

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN058996.D
 Acq On : 29 Oct 2019 9:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 03:52:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	424601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	664786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	619359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	303906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	274297	44.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.10%	
35) Dibromofluoromethane	7.57	113	213201	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	10.08	98	810171	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.40	95	313513	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	230509	43.542	ug/l	100
3) Chloromethane	2.04	50	292869	44.668	ug/l	99
4) Vinyl Chloride	2.17	62	303904	46.682	ug/l	96
5) Bromomethane	2.54	94	172046	42.202	ug/l	98
6) Chloroethane	2.68	64	183458	43.944	ug/l	97
7) Trichlorofluoromethane	3.00	101	371225	46.086	ug/l	99
8) Diethyl Ether	3.38	74	145360	52.220	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	216689	48.524	ug/l	98
10) Methyl Iodide	3.93	142	265888	45.271	ug/l	98
11) Tert butyl alcohol	4.74	59	239674	231.924	ug/l	100
12) 1,1-Dichloroethene	3.71	96	205619	49.123	ug/l	96
13) Acrolein	3.58	56	170184	239.673	ug/l	99
14) Allyl chloride	4.29	41	434007	51.241	ug/l	95
15) Acrylonitrile	4.95	53	671850	258.457	ug/l	99
16) Acetone	3.79	43	788582	256.264	ug/l	99
17) Carbon Disulfide	4.03	76	585148	43.397	ug/l	99
18) Methyl Acetate	4.29	43	356728	50.989	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	777011	53.014	ug/l	100
20) Methylene Chloride	4.52	84	252279	48.012	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	228901	49.518	ug/l	99
22) Diisopropyl ether	5.92	45	889742	53.705	ug/l	94
23) Vinyl Acetate	5.86	43	3667512	275.535	ug/l	99
24) 1,1-Dichloroethane	5.82	63	476615	49.614	ug/l	100
25) 2-Butanone	6.81	43	993498	248.712	ug/l	98
26) 2,2-Dichloropropane	6.80	77	411440	49.516	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	269317	51.001	ug/l	99
28) Bromochloromethane	7.17	49	160463	50.156	ug/l	100
29) Tetrahydrofuran	7.18	42	605054	247.606	ug/l	100
30) Chloroform	7.35	83	456841	47.409	ug/l	100
31) Cyclohexane	7.63	56	413640	46.220	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	394597	48.582	ug/l	98
36) 1,1-Dichloropropene	7.77	75	344919	50.678	ug/l	100
37) Ethyl Acetate	6.90	43	382254	51.545	ug/l	99
38) Carbon Tetrachloride	7.75	117	339999	48.492	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN058996.D
 Acq On : 29 Oct 2019 9:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 03:52:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	399184	52.234	ug/l	99
40) Benzene	8.02	78	1036688	51.871	ug/l	99
41) Methacrylonitrile	7.18	41	544529	164.863	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	373505	48.515	ug/l	99
43) Isopropyl Acetate	8.14	43	623322	52.408	ug/l	100
44) Trichloroethene	8.82	130	252730	51.912	ug/l	96
45) 1,2-Dichloropropane	9.10	63	287875	52.528	ug/l	98
46) Dibromomethane	9.19	93	175666	50.703	ug/l	98
47) Bromodichloromethane	9.39	83	369403	51.732	ug/l	100
48) Methyl methacrylate	9.18	41	287456	53.271	ug/l	96
49) 1,4-Dioxane	9.18	88	90880	1025.945	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1908839	274.773	ug/l	98
52) Toluene	10.15	92	636254	53.684	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	427073	54.026	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	456691	54.076	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	252161	51.647	ug/l	99
56) Ethyl methacrylate	10.42	69	407208	49.666	ug/l	95
57) 1,3-Dichloropropane	10.70	76	443491	51.754	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	891286	257.191	ug/l	100
59) 2-Hexanone	10.75	43	1462683	272.475	ug/l	98
60) Dibromochloromethane	10.90	129	279658	53.215	ug/l	99
61) 1,2-Dibromoethane	11.00	107	260852	52.206	ug/l	100
64) Tetrachloroethene	10.63	164	221899	51.157	ug/l	98
65) Chlorobenzene	11.43	112	673381	53.403	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	255396	53.675	ug/l	99
67) Ethyl Benzene	11.51	91	1240666	56.089	ug/l	98
68) m/p-Xylenes	11.62	106	920394	112.202	ug/l	100
69) o-Xylene	11.95	106	442336	56.540	ug/l	98
70) Styrene	11.96	104	741283	51.286	ug/l	99
71) Bromoform	12.13	173	203518	55.158	ug/l #	99
73) Isopropylbenzene	12.25	105	1204568	54.236	ug/l	99
74) N-amyl acetate	12.07	43	548205	54.445	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	392911	50.312	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	530886	75.374	ug/l #	100
77) Bromobenzene	12.53	156	287768	52.567	ug/l	97
78) n-propylbenzene	12.59	91	1447385	55.132	ug/l	100
79) 2-Chlorotoluene	12.68	91	845678	52.632	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1037529	55.601	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141993	52.518	ug/l	96
82) 4-Chlorotoluene	12.77	91	875231	53.302	ug/l	100
83) tert-Butylbenzene	13.00	119	864873	54.200	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1047852	56.932	ug/l	99
85) sec-Butylbenzene	13.17	105	1190803	55.973	ug/l	98
86) p-Isopropyltoluene	13.29	119	1084107	57.752	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	526620	53.800	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	521691	53.233	ug/l	99
89) n-Butylbenzene	13.62	91	984832	57.112	ug/l	99
90) Hexachloroethane	13.88	117	199202	52.369	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	519166	53.962	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	80228	45.421	ug/l	95

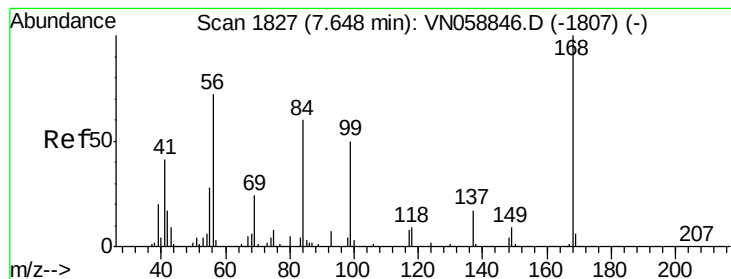
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
Data File : VN058996.D
Acq On : 29 Oct 2019 9:36
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 30 03:52:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	306634	50.597	ug/l	99
94) Hexachlorobutadiene	15.01	225	168595	54.066	ug/l	99
95) Naphthalene	15.13	128	829136	47.737	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	294243	49.908	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

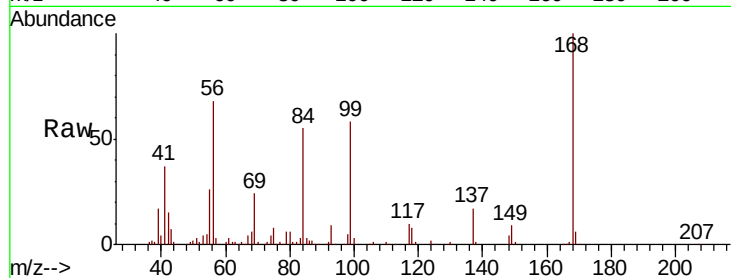
ClientSampled :

Tot Ion:168 Resp: 424601

Ion Ratio Lower Upper

168 100

99 57.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

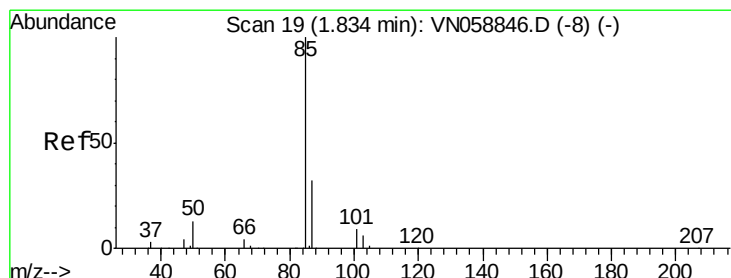
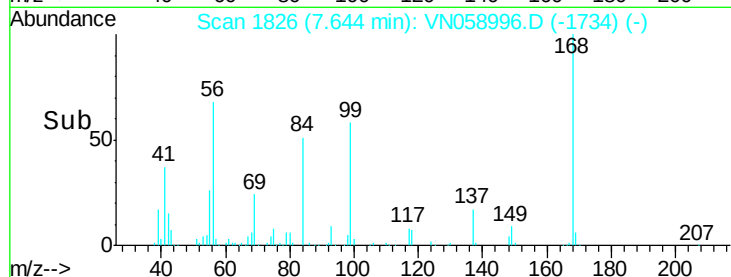
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.542 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058996.D

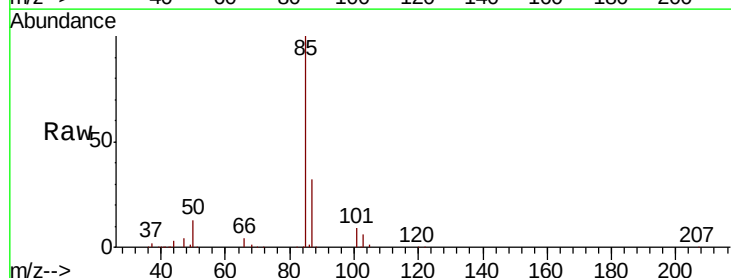
Acq: 29 Oct 2019 9:36

Tgt Ion: 85 Resp: 230509

Ion Ratio Lower Upper

85 100

87 32.2 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

150000

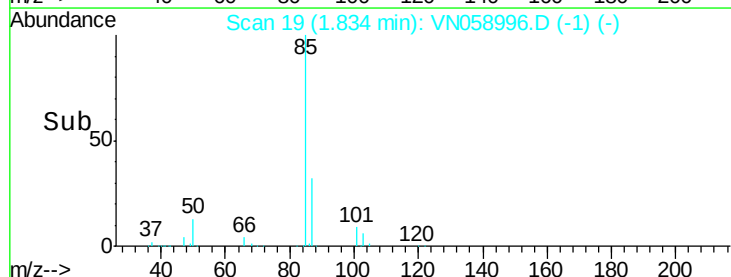
100000

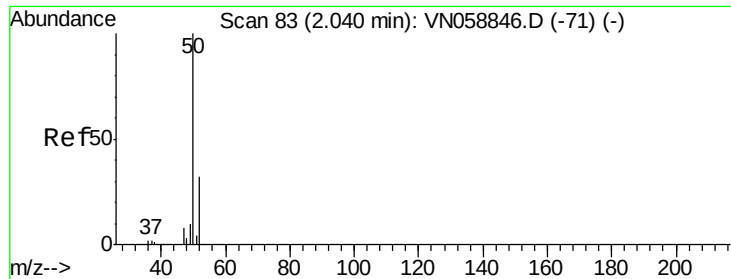
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.668 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

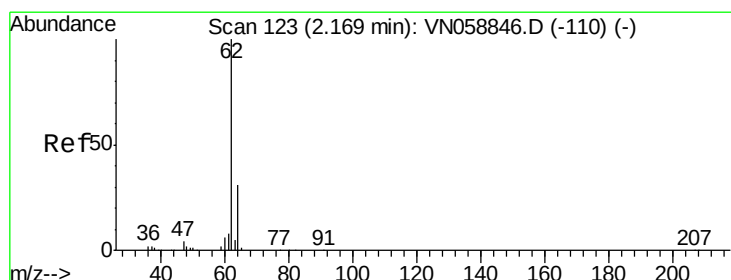
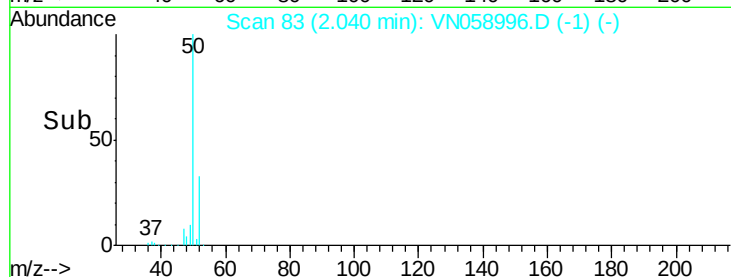
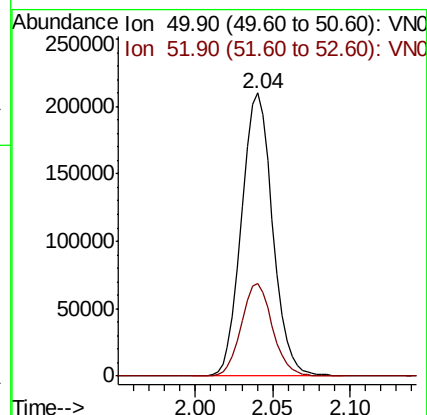
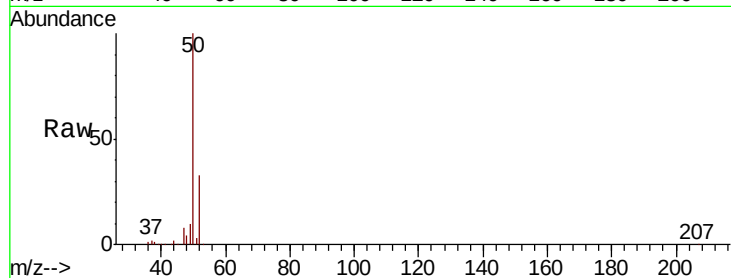
ClientSampleId :

Tot Ion: 50 Resp: 292869

Ion Ratio Lower Upper

50 100

52 32.6 25.7 38.5



#4

Vinyl Chloride

Concen: 46.682 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058996.D

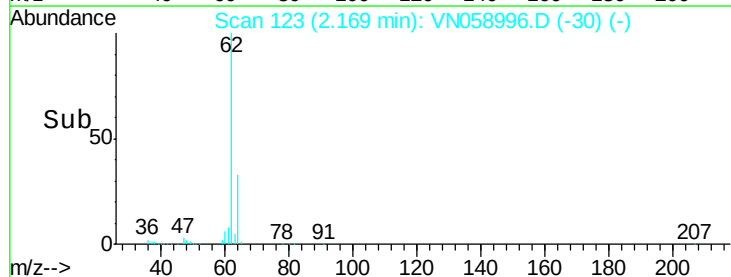
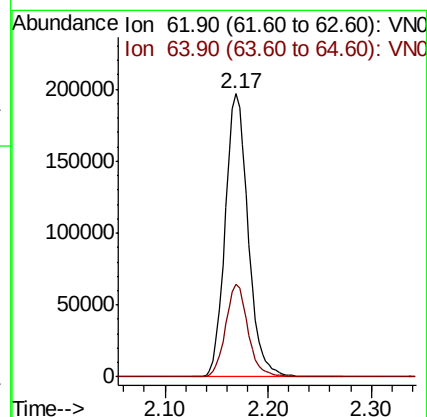
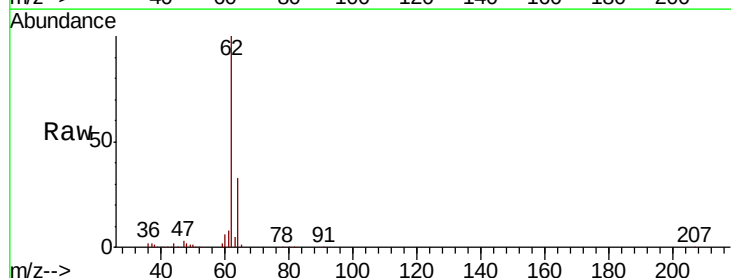
Acq: 29 Oct 2019 9:36

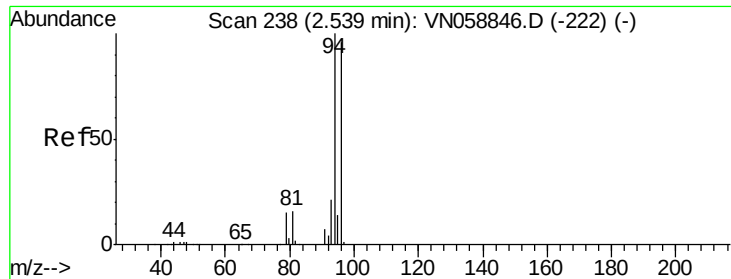
Tgt Ion: 62 Resp: 303904

Ion Ratio Lower Upper

62 100

64 32.6 24.6 36.8





#5

Bromomethane

Concen: 42.202 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

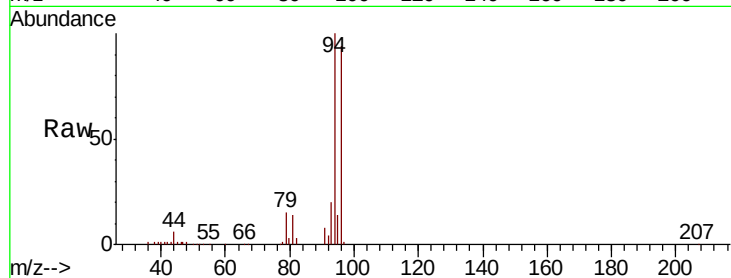
ClientSampleId :

Tot Ion: 94 Resp: 172046

Ion Ratio Lower Upper

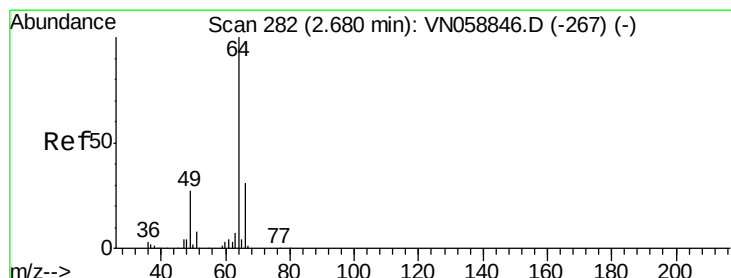
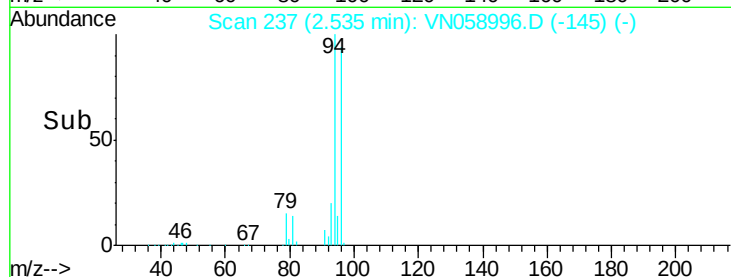
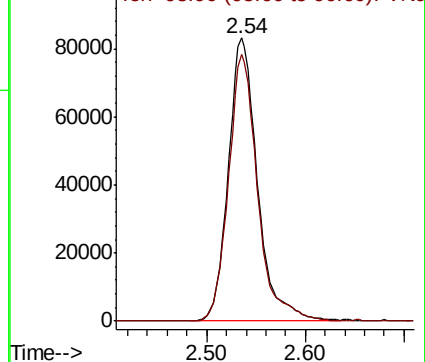
94 100

96 94.3 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: 43.944 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058996.D

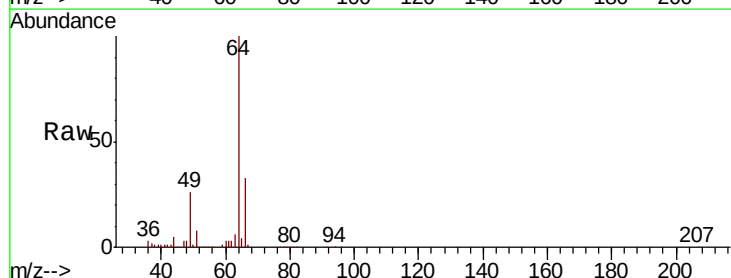
Acq: 29 Oct 2019 9:36

Tgt Ion: 64 Resp: 183458

Ion Ratio Lower Upper

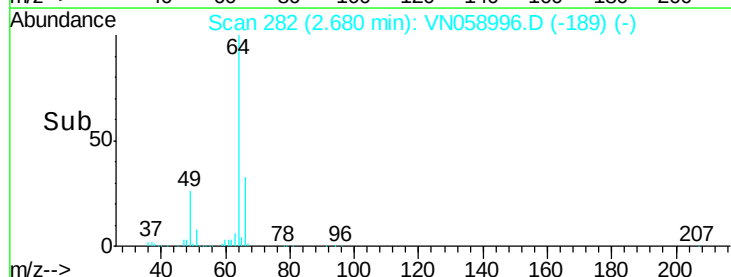
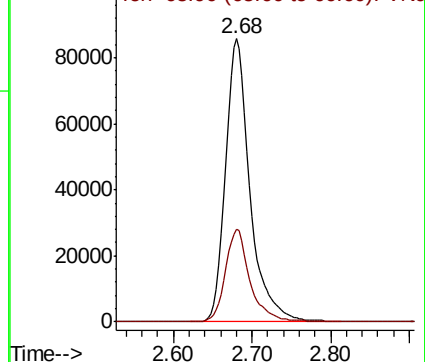
64 100

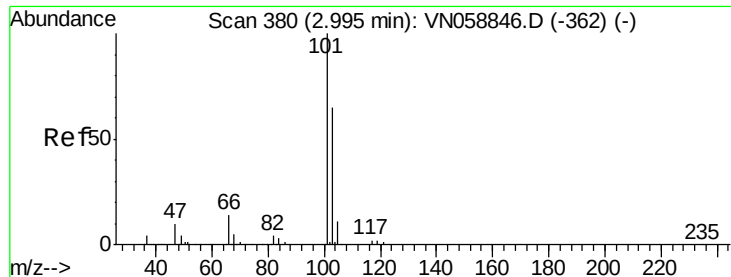
66 32.8 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



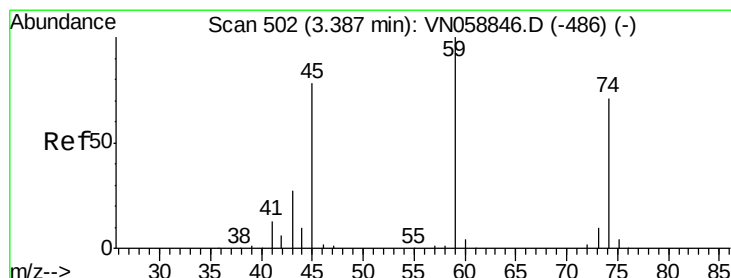
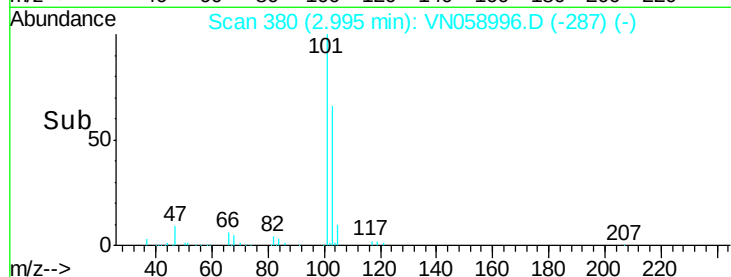
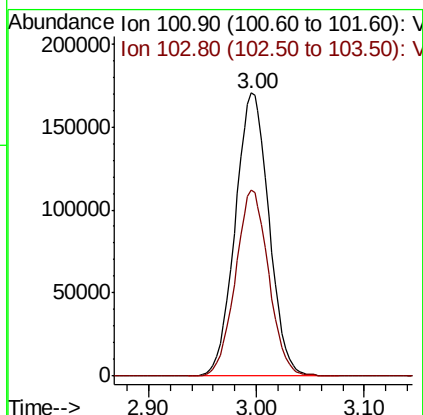
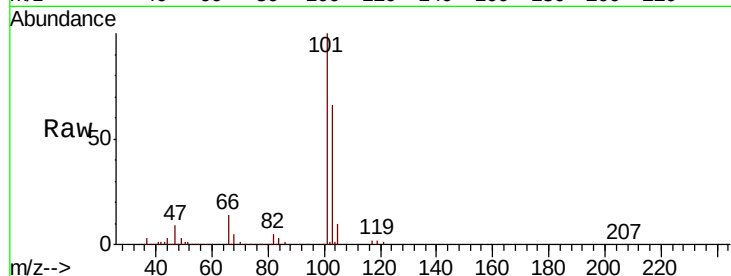


#7

Trichlorofluoromethane
Concen: 46.086 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :

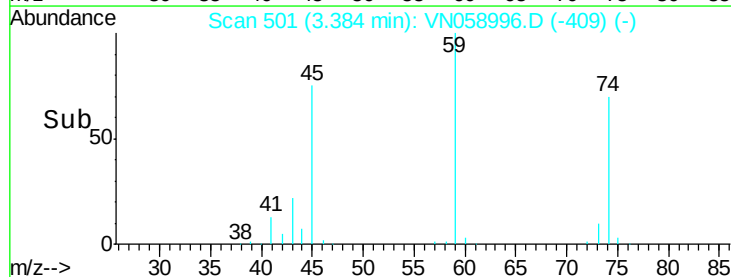
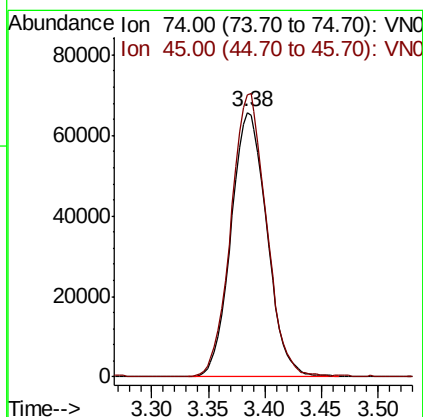
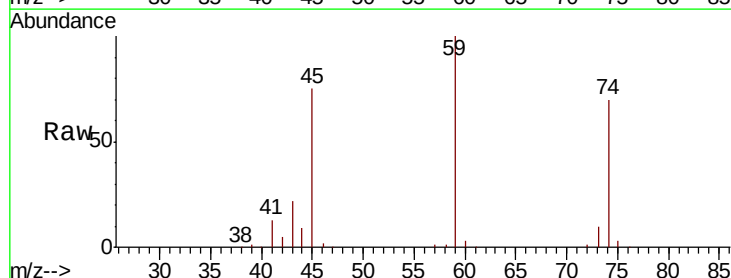
Tot Ion:101 Resp: 371225
Ion Ratio Lower Upper
101 100
103 65.9 52.2 78.2

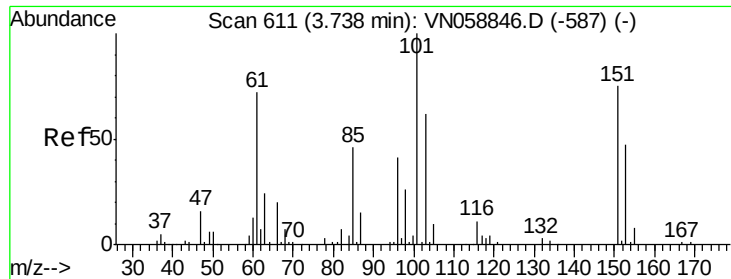


#8

Diethyl Ether
Concen: 52.220 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Tgt Ion: 74 Resp: 145360
Ion Ratio Lower Upper
74 100
45 106.0 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.524 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

ClientSampled :

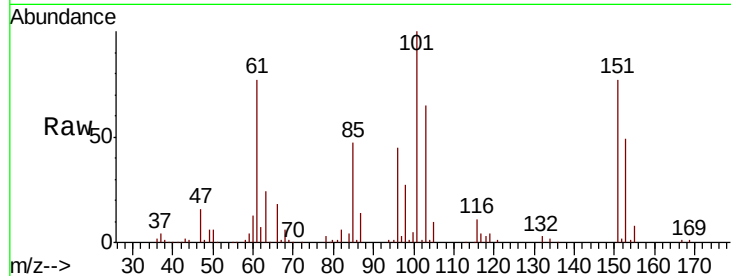
Tot Ion:101 Resp: 216689

Ion Ratio Lower Upper

101 100

85 45.1 37.2 55.8

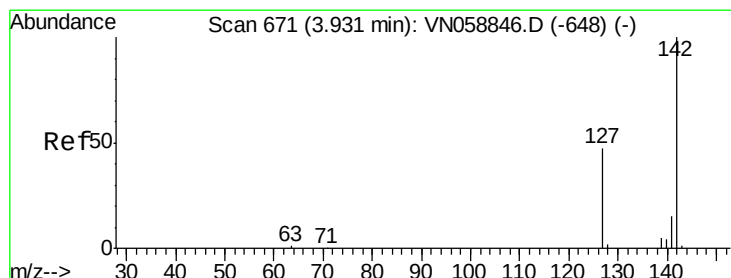
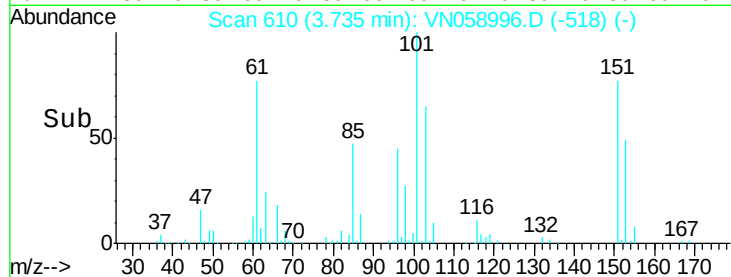
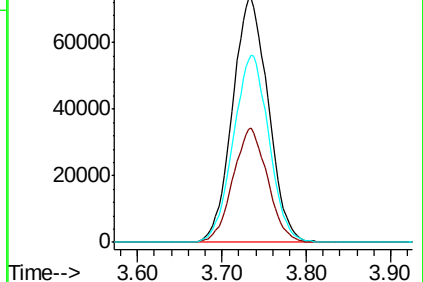
151 76.3 59.9 89.9



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: 45.271 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

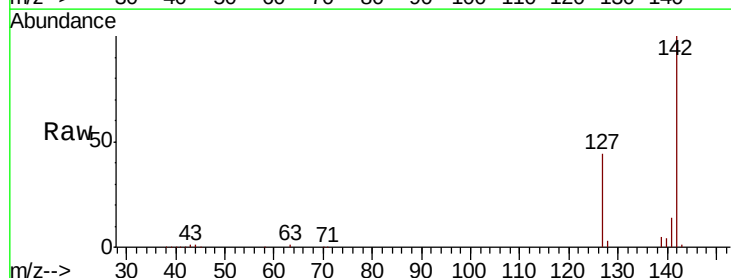
Tgt Ion:142 Resp: 265888

Ion Ratio Lower Upper

142 100

127 44.0 36.6 54.8

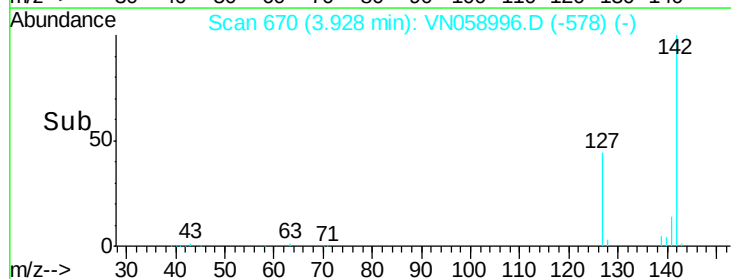
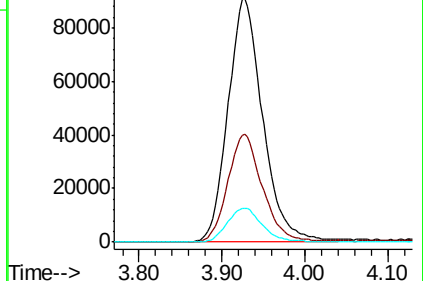
141 14.2 11.4 17.2

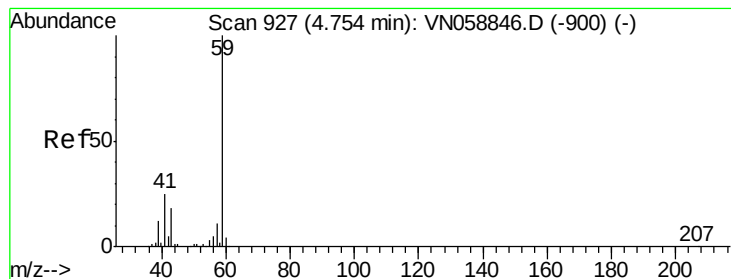


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 231.924 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.01 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

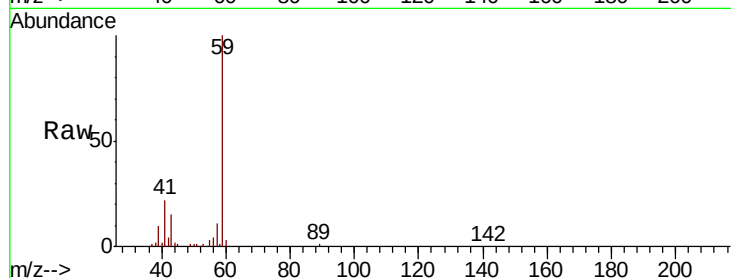
ClientSampleId :

Tot Ion: 59 Resp: 239674

Ion Ratio Lower Upper

59 100

57 10.6 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

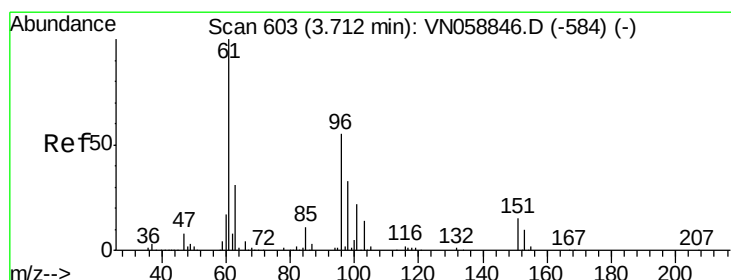
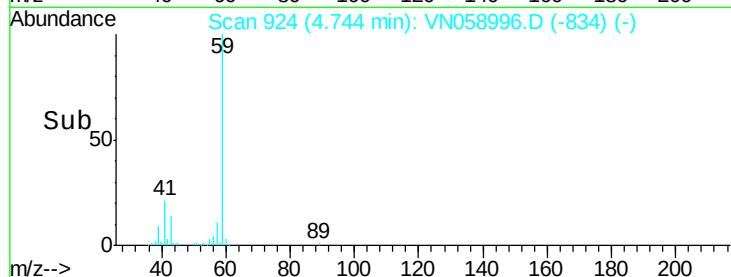
60000

40000

20000

0

Time-->



#12

1,1-Dichloroethene

Concen: 49.123 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

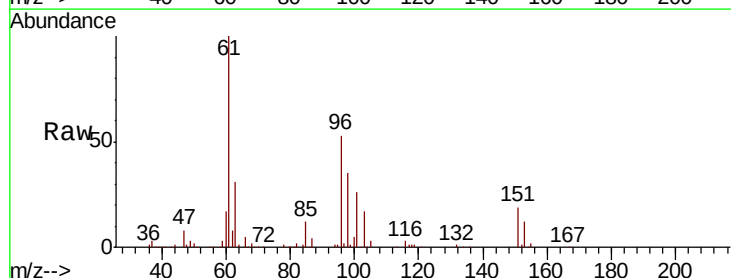
Tgt Ion: 96 Resp: 205619

Ion Ratio Lower Upper

96 100

61 187.2 146.2 219.2

98 65.7 48.7 73.1



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

200000

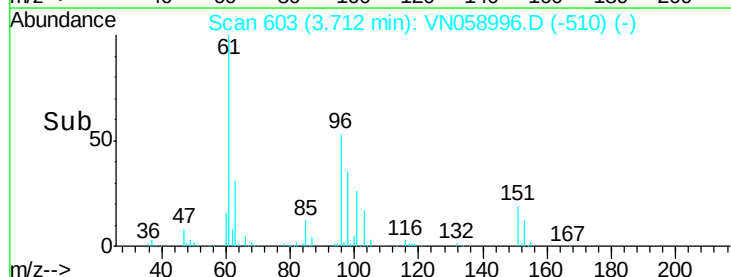
150000

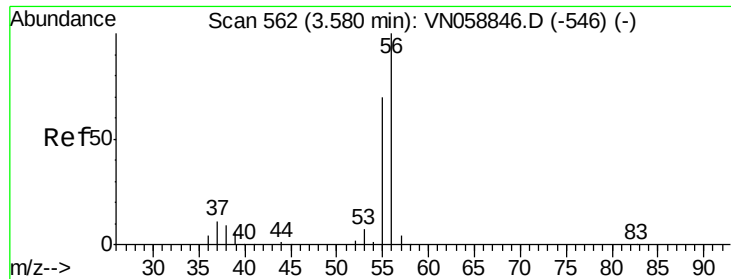
100000

50000

0

Time-->





#13

Acrolein

Concen: 239.673 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

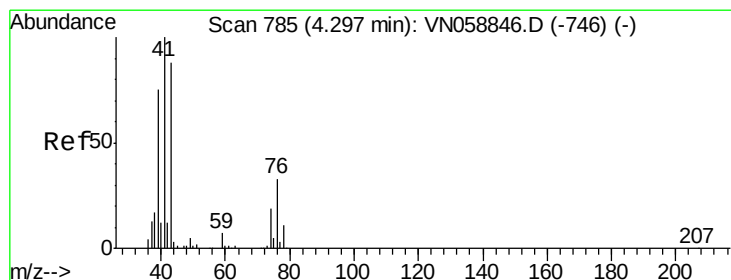
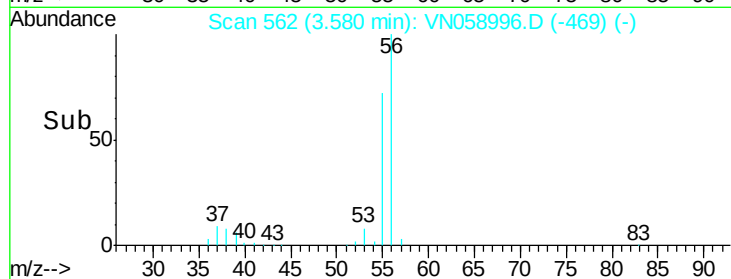
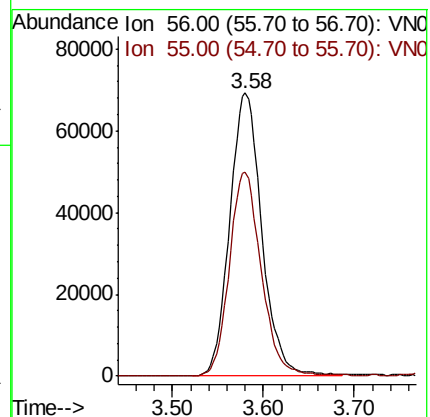
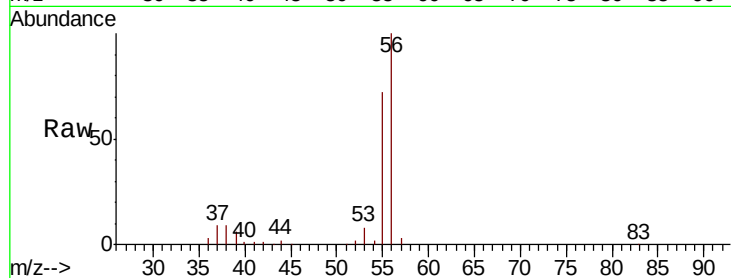
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 170184

Ion Ratio Lower Upper

56 100

55 71.5 56.6 85.0



#14

Allyl chloride

Concen: 51.241 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

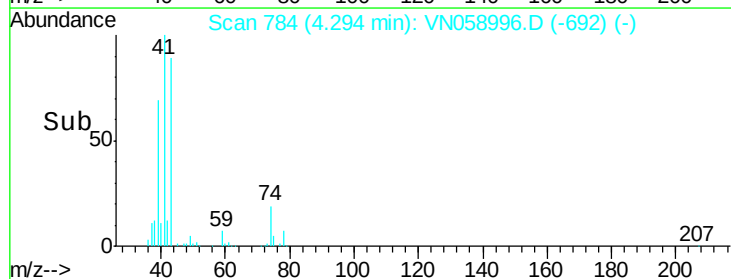
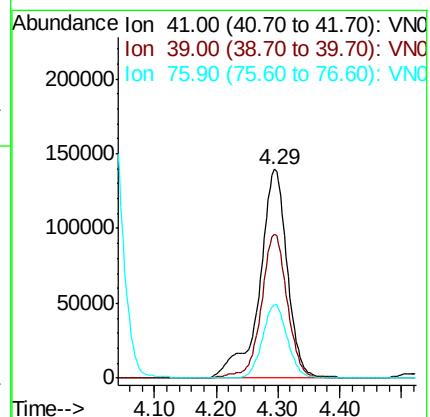
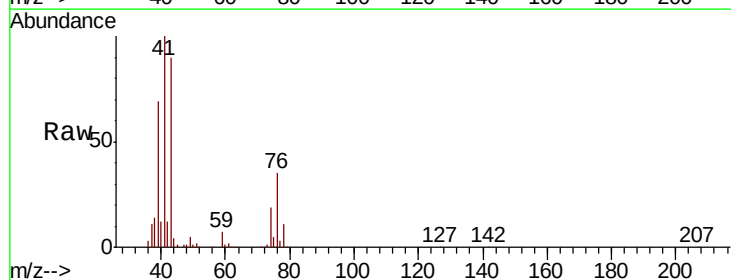
Tgt Ion: 41 Resp: 434007

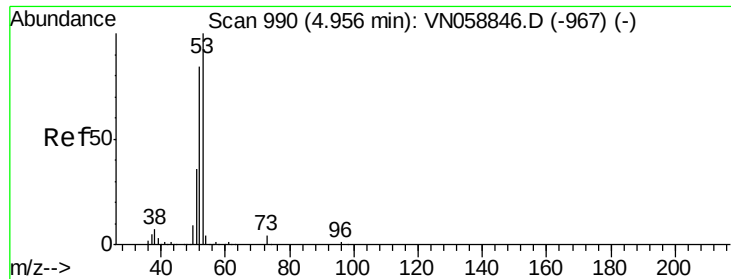
Ion Ratio Lower Upper

41 100

39 64.9 55.9 83.9

76 31.5 24.1 36.1





#15

Acrylonitrile

Concen: 258.457 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

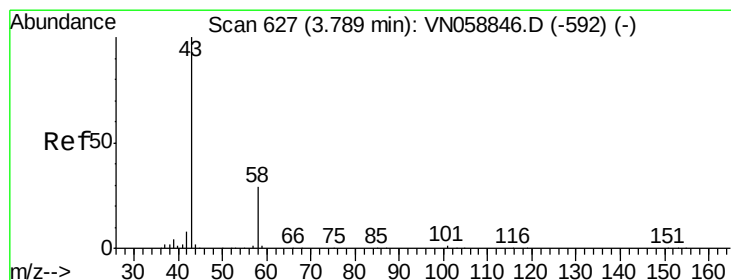
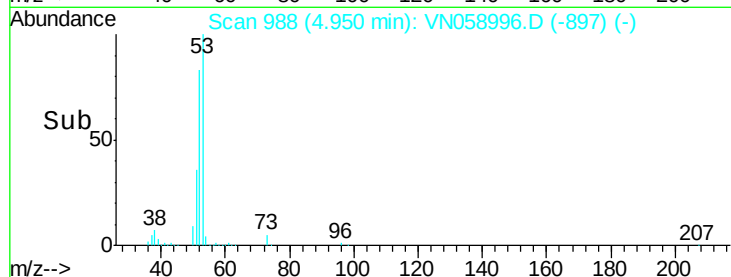
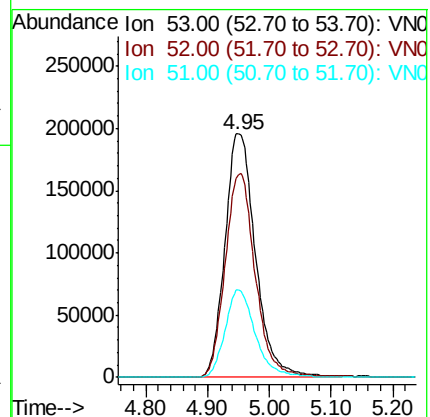
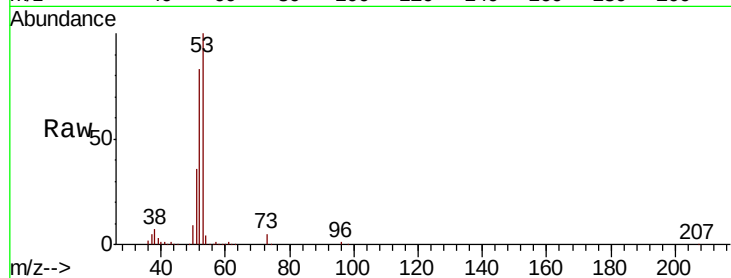
Tot Ion: 53 Resp: 671850

Ion Ratio Lower Upper

53 100

52 82.4 66.6 99.8

51 35.8 29.2 43.8



#16

Acetone

Concen: 256.264 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN058996.D

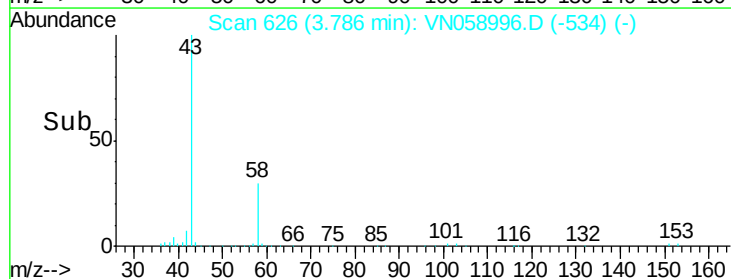
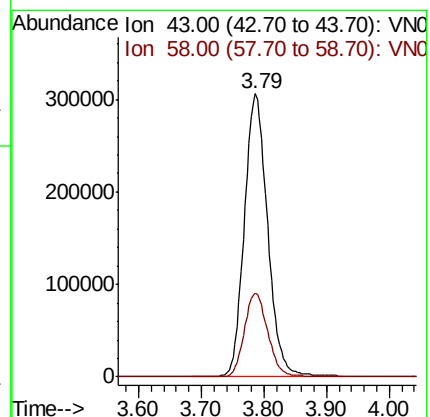
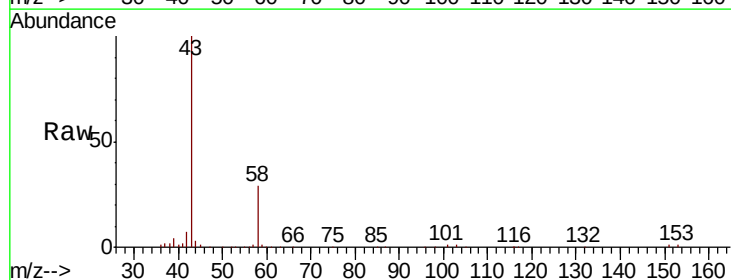
Acq: 29 Oct 2019 9:36

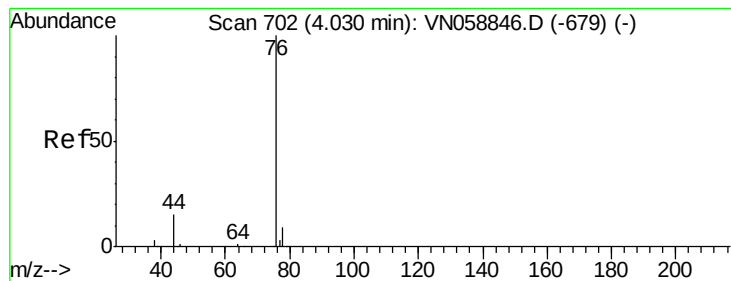
Tgt Ion: 43 Resp: 788582

Ion Ratio Lower Upper

43 100

58 29.5 23.1 34.7





#17

Carbon Disulfide

Concen: 43.397 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

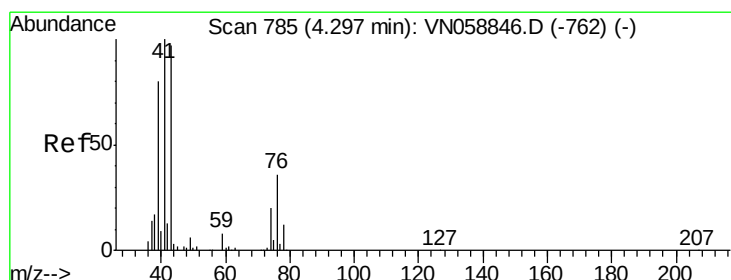
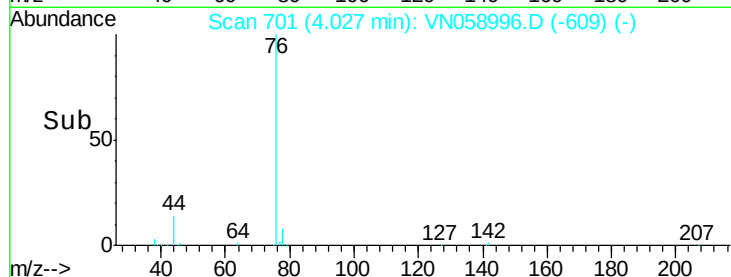
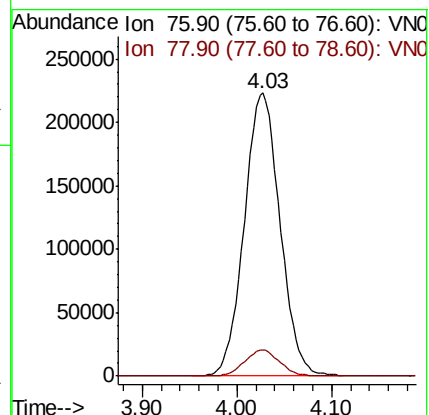
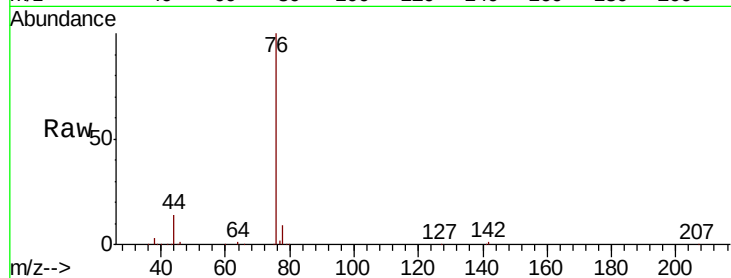
ClientSampleId :

Tot Ion: 76 Resp: 585148

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



#18

Methyl Acetate

Concen: 50.989 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN058996.D

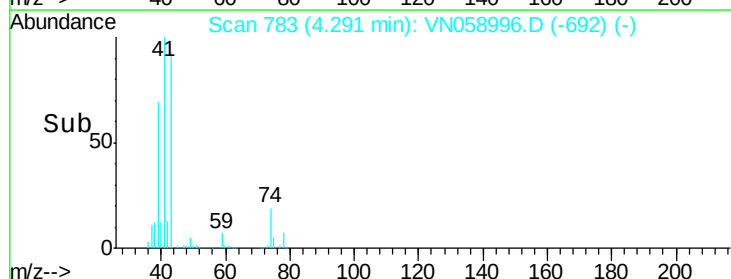
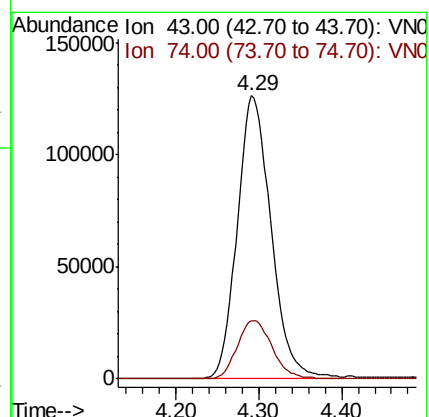
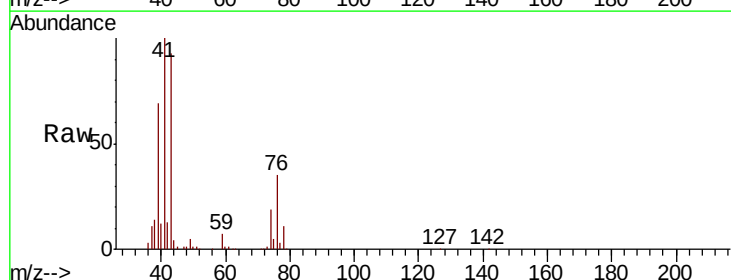
Acq: 29 Oct 2019 9:36

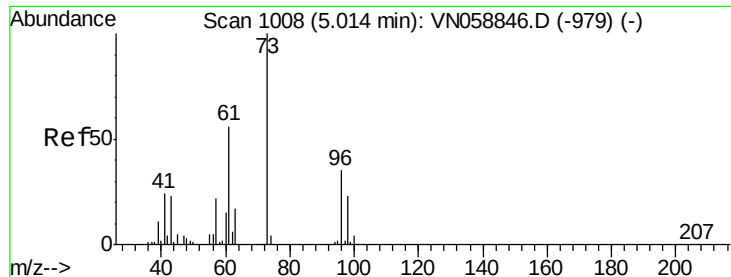
Tgt Ion: 43 Resp: 356728

Ion Ratio Lower Upper

43 100

74 21.4 17.1 25.7

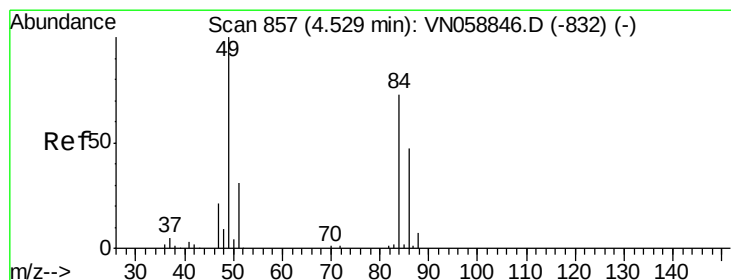
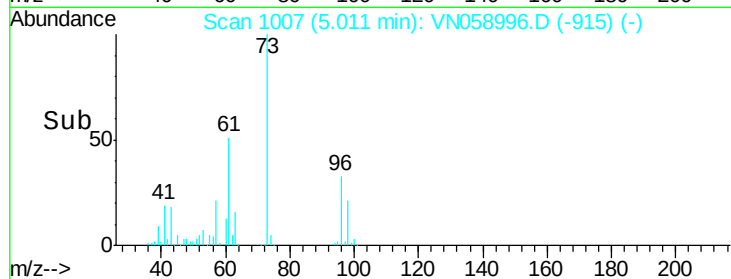
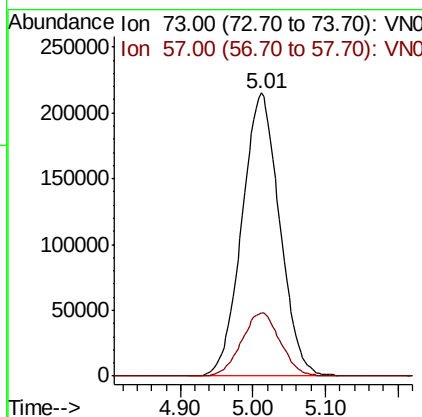
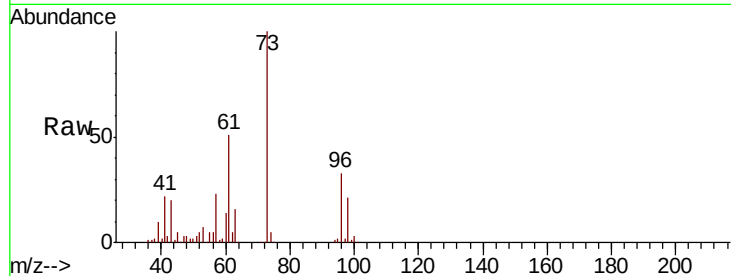




#19
Methyl tert-butyl Ether
Concen: 53.014 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

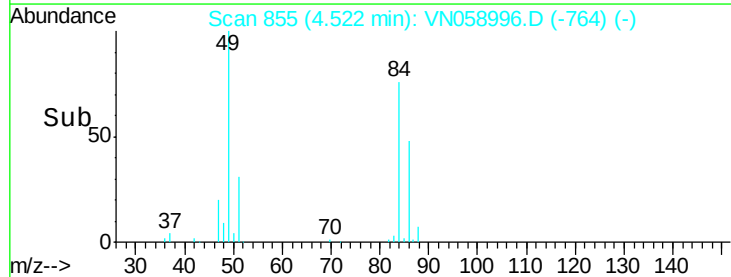
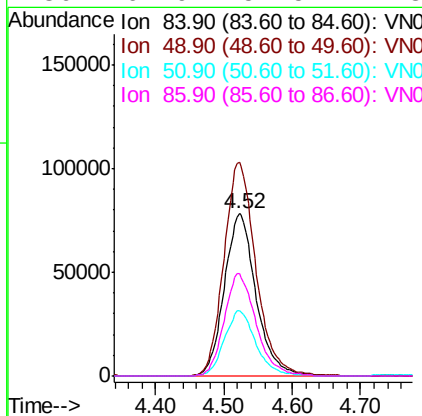
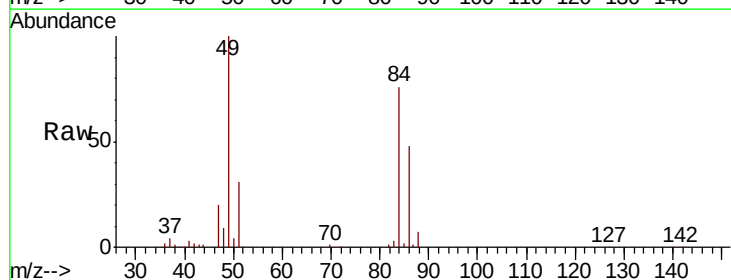
Instrument :
MSVOA_N
ClientSampled :

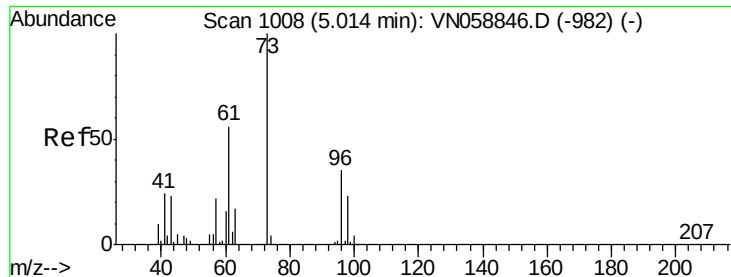
Tot Ion: 73 Resp: 777011
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9



#20
Methylene Chloride
Concen: 48.012 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Tgt Ion: 84 Resp: 252279
Ion Ratio Lower Upper
84 100
49 131.5 109.6 164.4
51 40.5 33.8 50.6
86 62.9 51.5 77.3

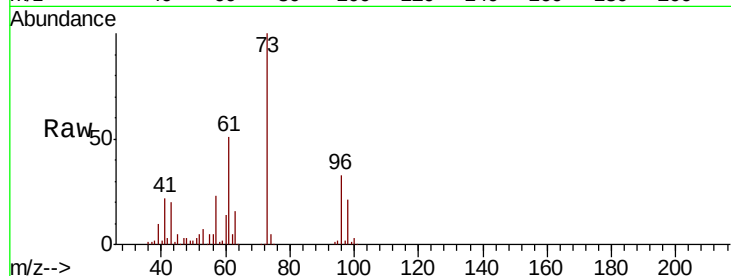




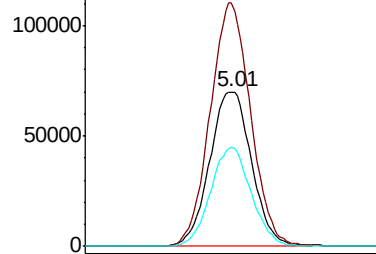
#21
trans-1,2-Dichloroethene
Concen: 49.518 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Instrument :
MSVOA_N
ClientSampled :

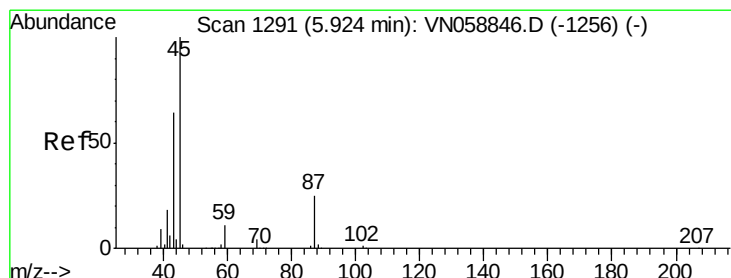
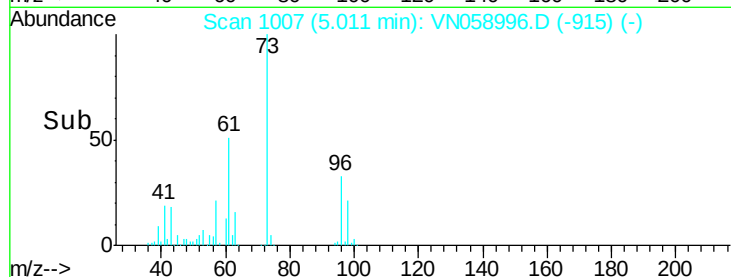
Tot Ion: 96 Resp: 228901
Ion Ratio Lower Upper
96 100
61 157.5 126.7 190.1
98 64.0 52.0 78.0



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

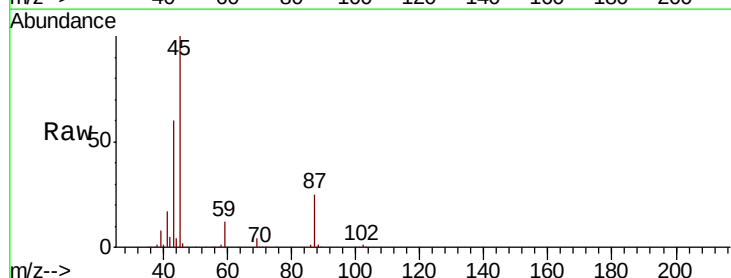


Time-->

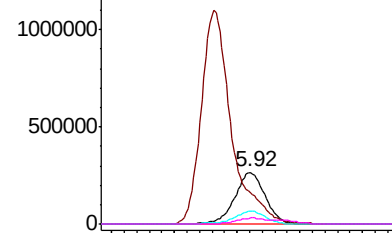


#22
Diisopropyl ether
Concen: 53.705 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

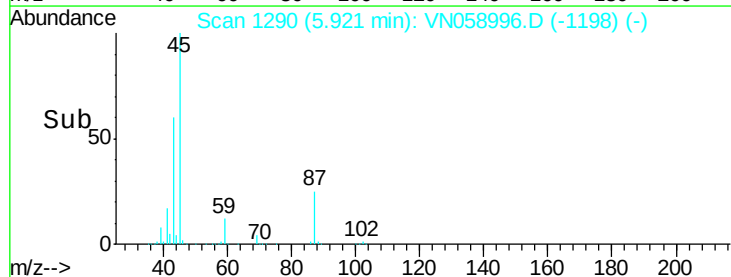
Tgt Ion: 45 Resp: 889742
Ion Ratio Lower Upper
45 100
43 59.5 52.9 79.3
87 24.4 20.2 30.4
59 11.4 8.8 13.2

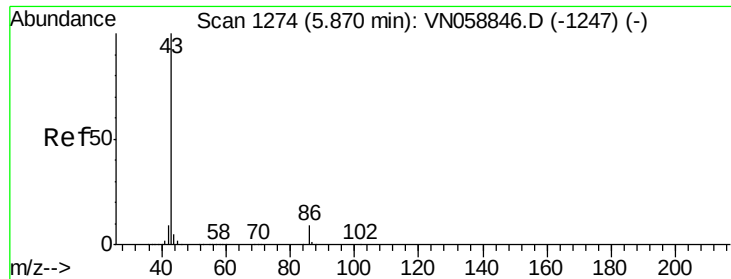


Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0



Time-->





#23

Vinyl Acetate

Concen: 275.535 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

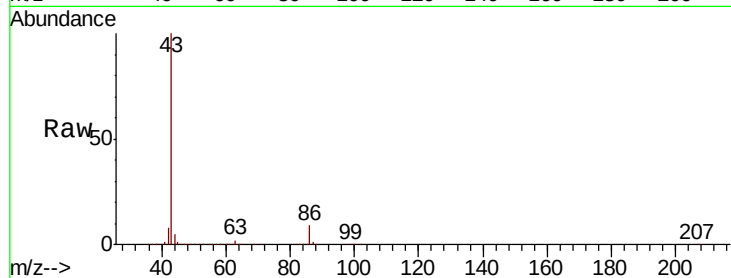
ClientSampleId :

Tot Ion: 43 Resp: 3667512

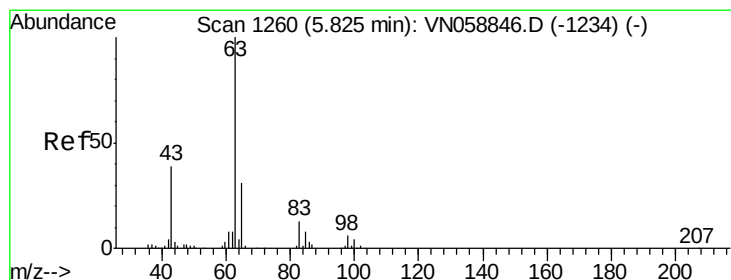
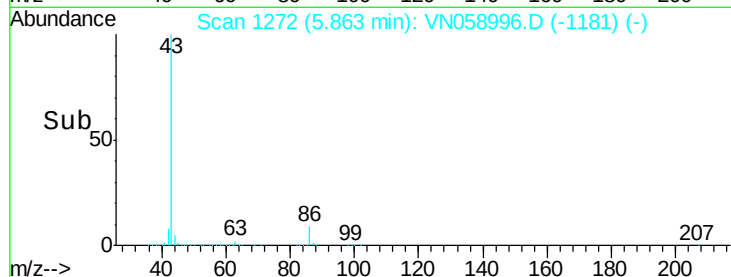
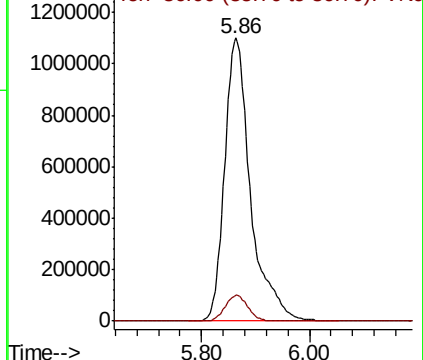
Ion Ratio Lower Upper

43 100

86 9.3 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN058996.D (-1181) (-)



#24

1,1-Dichloroethane

Concen: 49.614 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

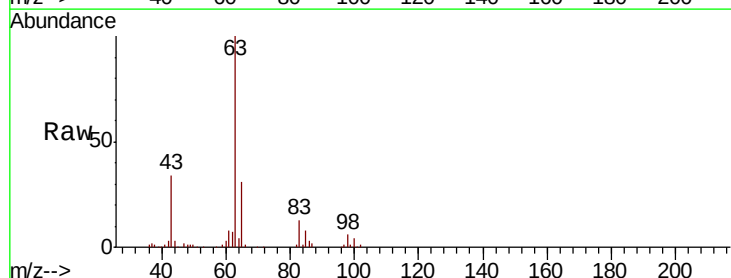
Tgt Ion: 63 Resp: 476615

Ion Ratio Lower Upper

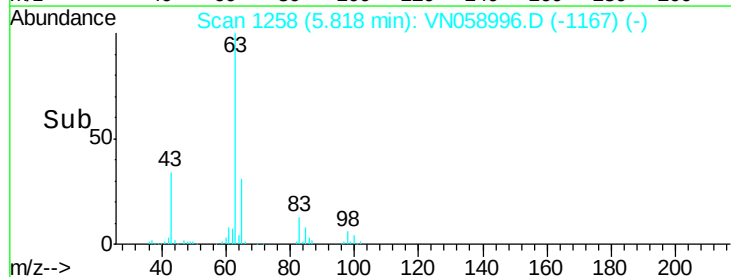
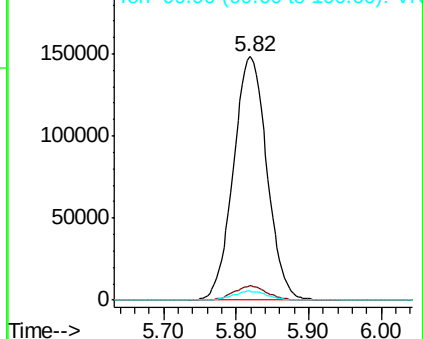
63 100

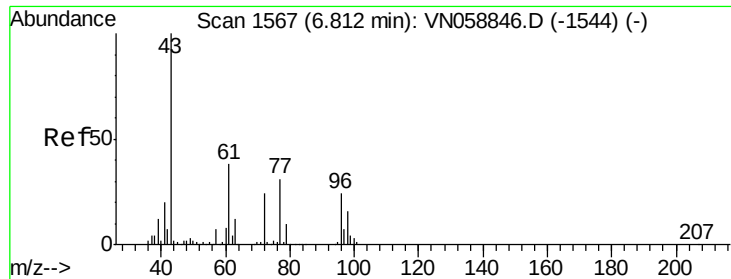
98 5.7 2.8 8.4

100 3.6 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN058996.D (-1167) (-)





#25

2-Butanone

Concen: 248.712 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

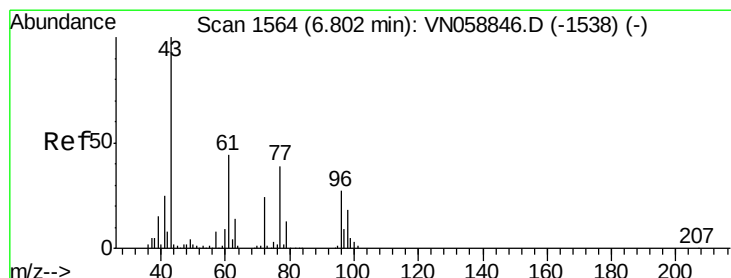
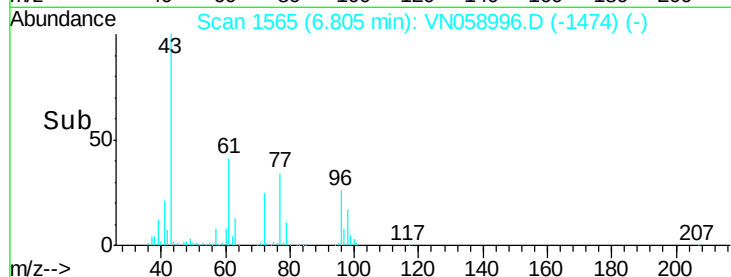
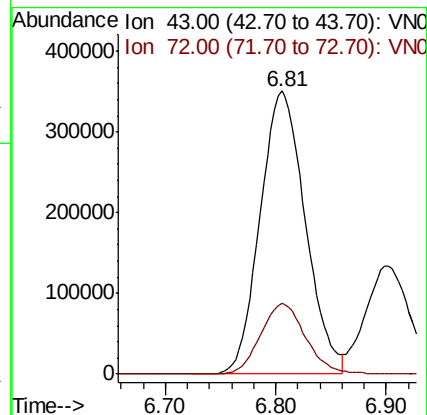
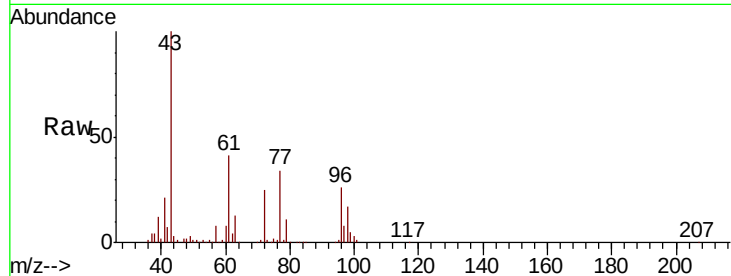
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 993498

Ion Ratio Lower Upper

43 100

72 24.9 19.1 28.7



#26

2,2-Dichloropropane

Concen: 49.516 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN058996.D

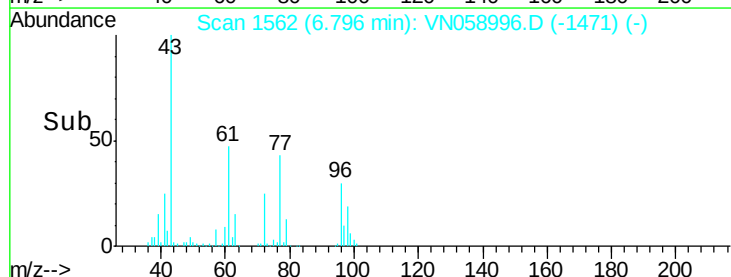
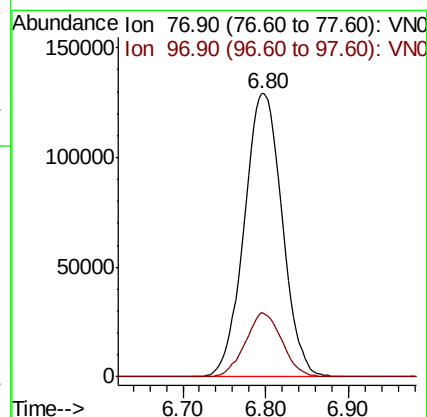
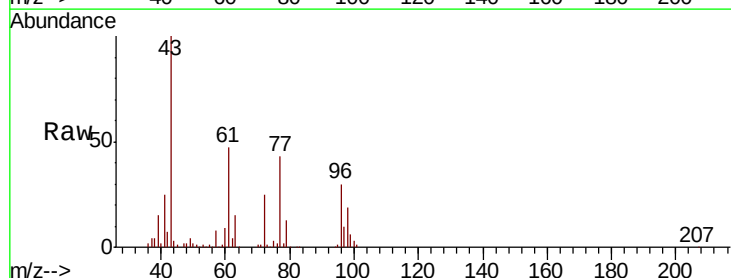
Acq: 29 Oct 2019 9:36

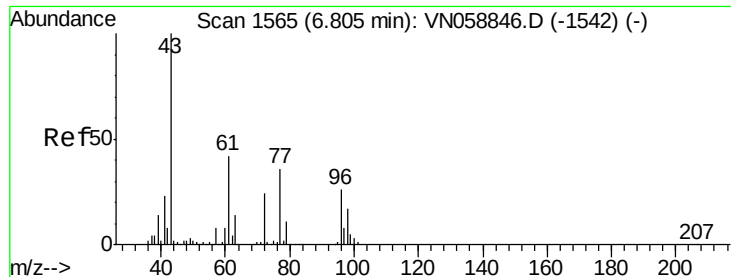
Tgt Ion: 77 Resp: 411440

Ion Ratio Lower Upper

77 100

97 21.9 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 51.001 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

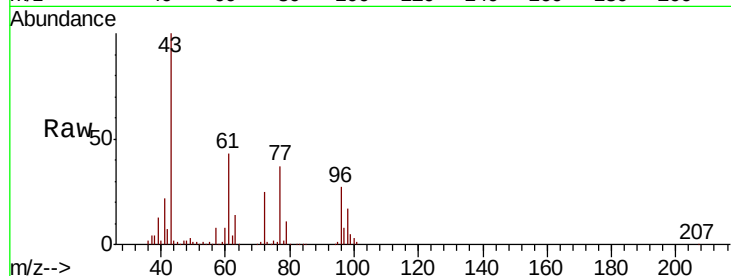
Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 269317

Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	325.0
98	64.3	0.0	128.0

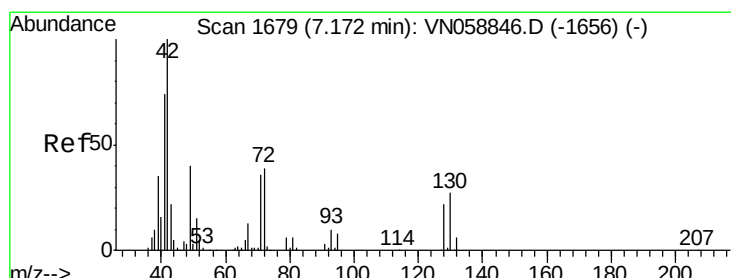
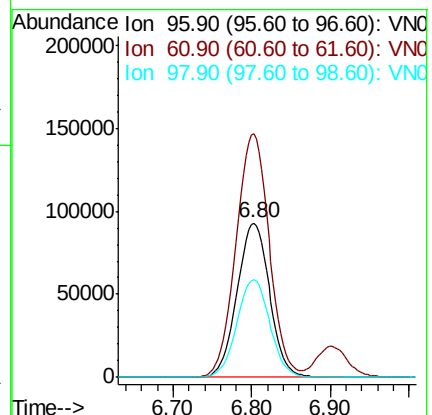
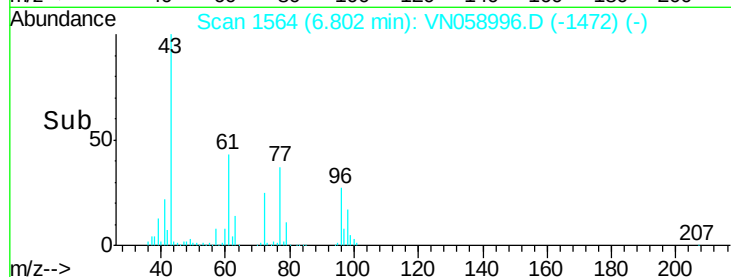


Abundance

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



#28

Bromochloromethane

Concen: 50.156 ug/l

RT: 7.17 min Scan# 1679

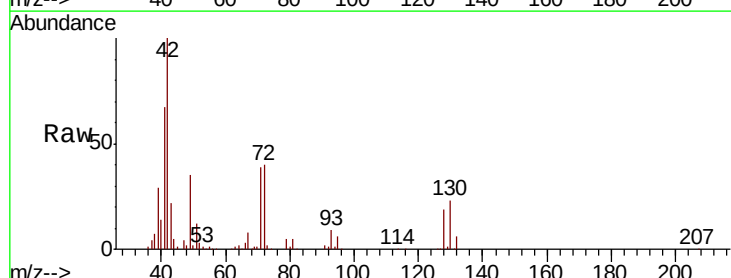
Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Tgt Ion: 49 Resp: 160463

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	66.6	53.5	80.3

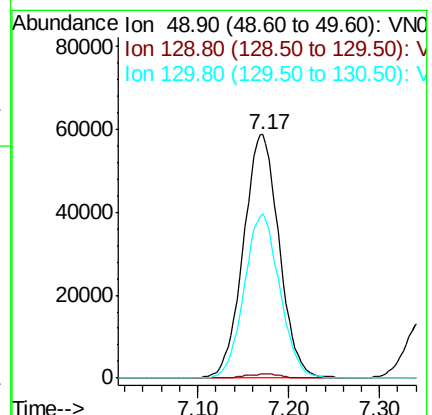
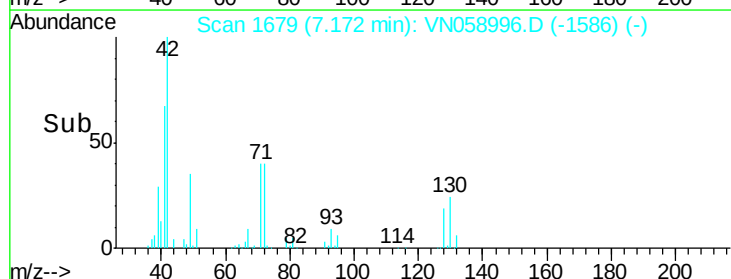


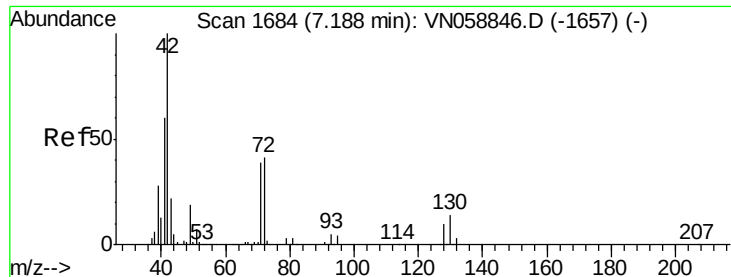
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

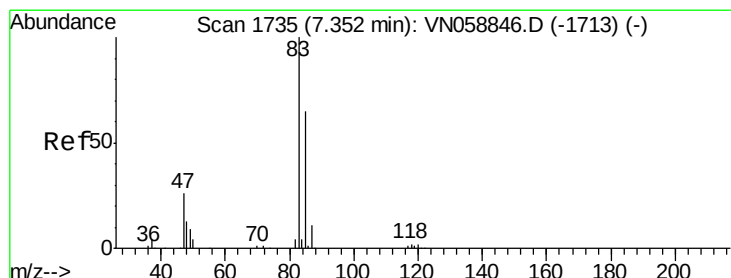
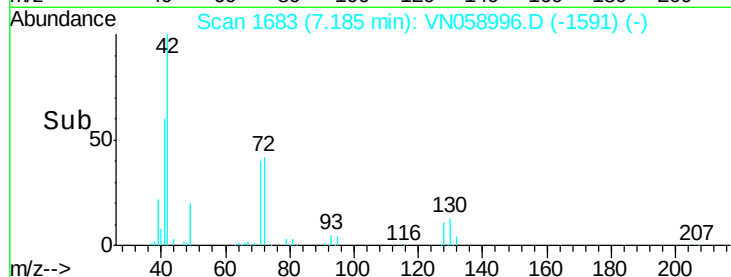
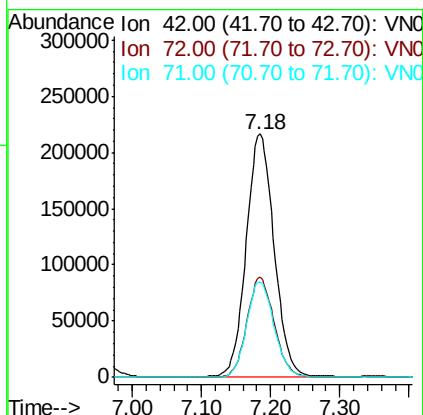
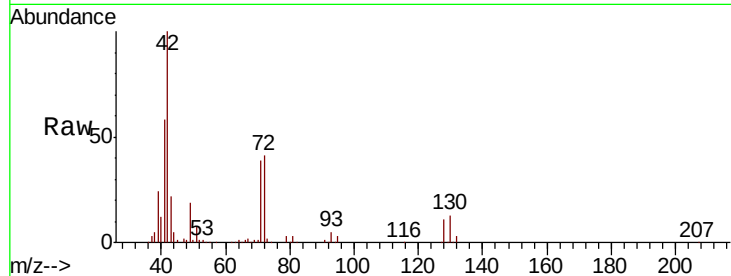




#29
Tetrahydrofuran
Concen: 247.606 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

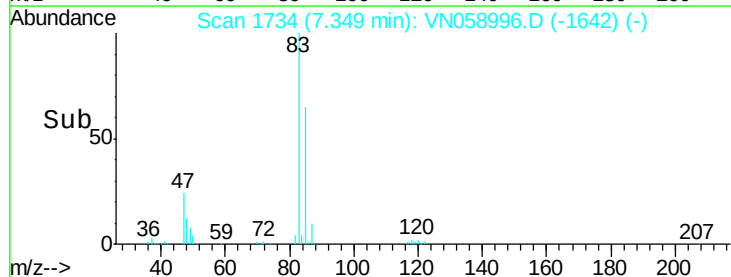
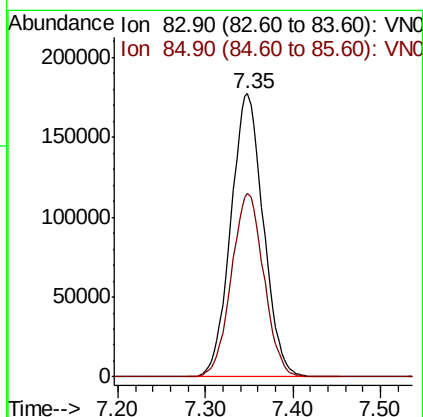
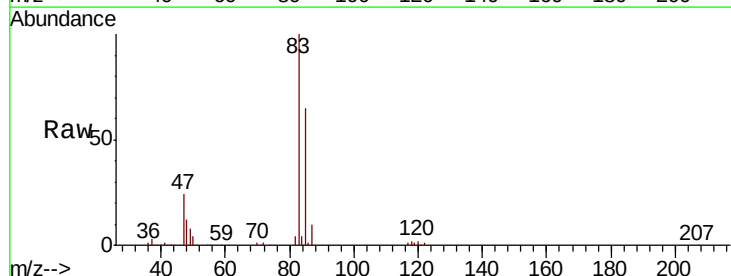
Instrument :
MSVOA_N
ClientSampled :

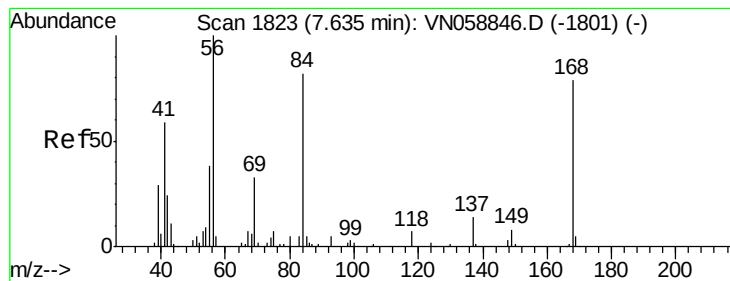
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.2	48.2
71	38.7	30.6	45.8



#30
Chloroform
Concen: 47.409 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9





#31

Cyclohexane

Concen: 46.220 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

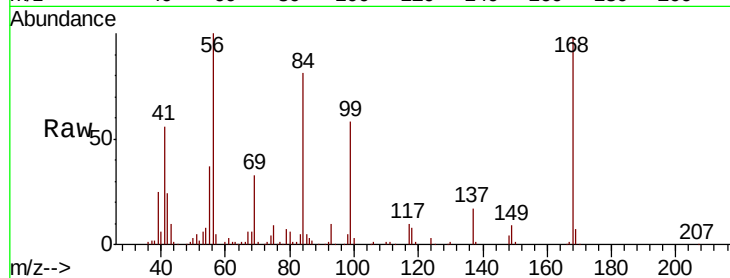
Tot Ion: 56 Resp: 413640

Ion Ratio Lower Upper

56 100

69 33.0 26.2 39.4

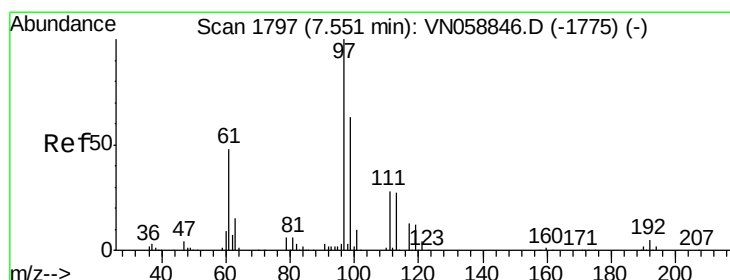
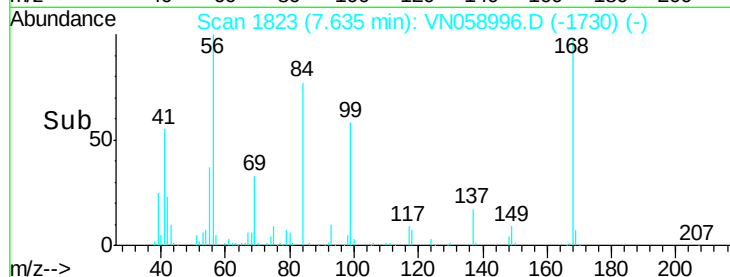
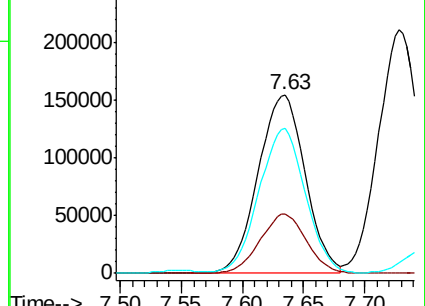
84 79.4 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VN058996.D (-1730) (-)

Ion 69.00 (68.70 to 69.70): VN058996.D (-1730) (-)

Ion 84.00 (83.70 to 84.70): VN058996.D (-1730) (-)



#32

1,1,1-Trichloroethane

Concen: 48.582 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

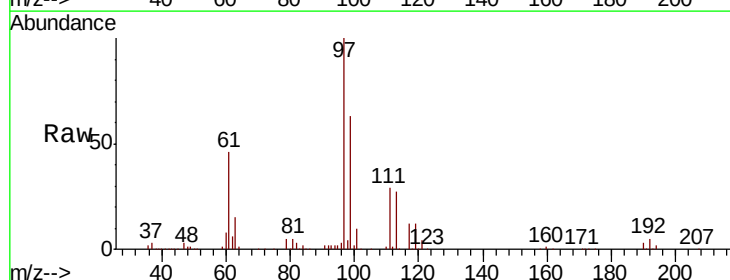
Tgt Ion: 97 Resp: 394597

Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

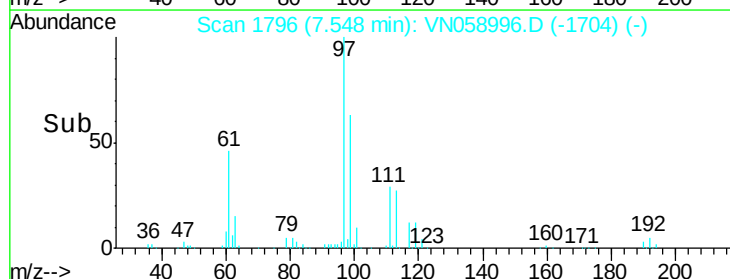
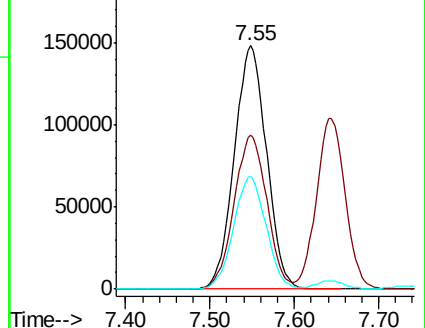
61 46.5 38.6 58.0

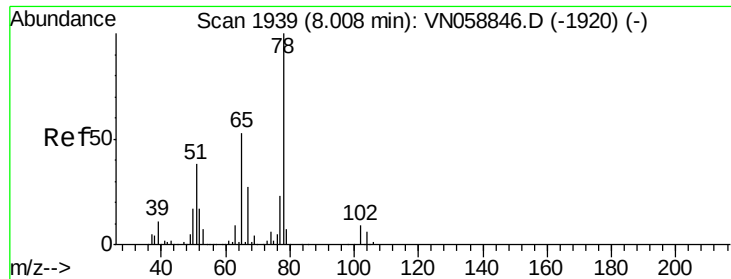


Abundance Ion 96.90 (96.60 to 97.60): VN058996.D (-1704) (-)

Ion 98.90 (98.60 to 99.60): VN058996.D (-1704) (-)

Ion 60.90 (60.60 to 61.60): VN058996.D (-1704) (-)

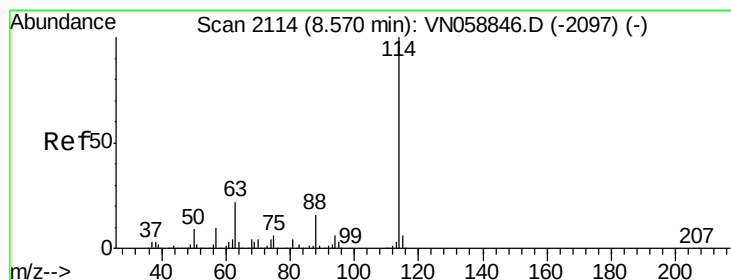
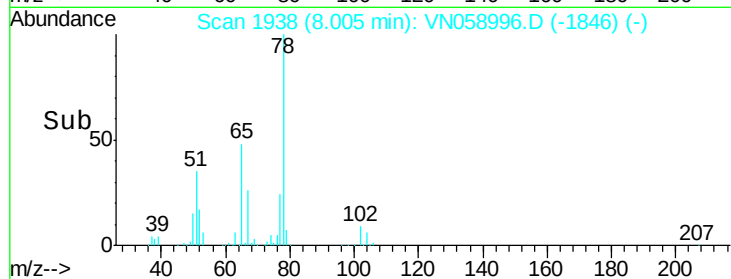
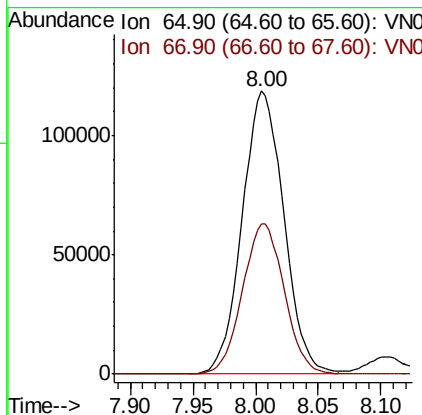
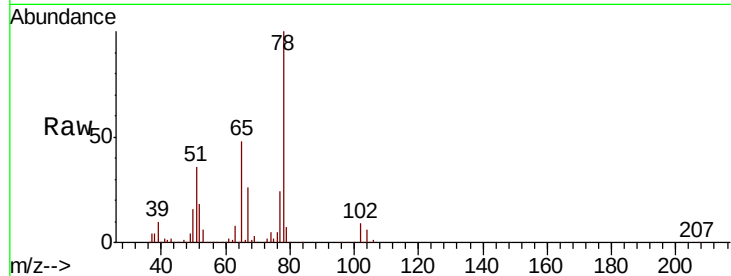




#33
 1,2-Dichloroethane-d4
 Concen: 44.047 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN058996.D
 Acq: 29 Oct 2019 9:36

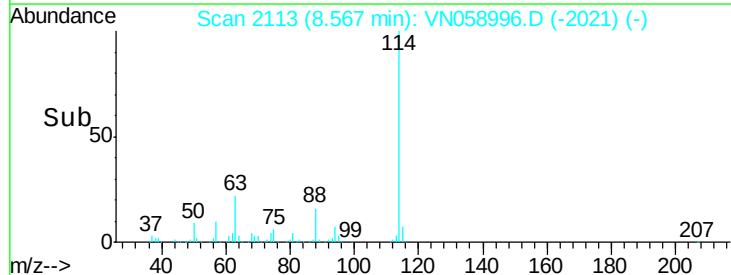
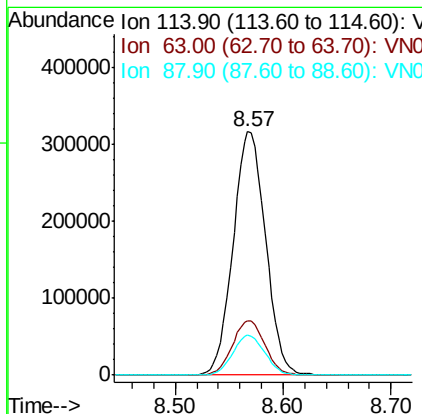
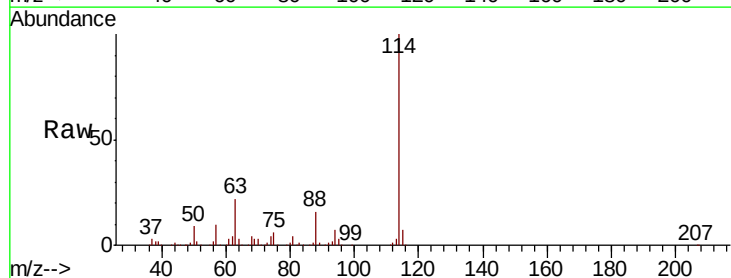
Instrument :
 MSVOA_N
 ClientSampled :

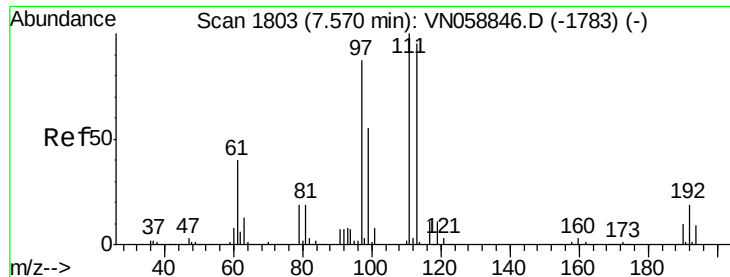
Tot Ion: 65 Resp: 274297
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN058996.D
 Acq: 29 Oct 2019 9:36

Tgt Ion: 114 Resp: 664786
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.4
 88 16.4 0.0 31.4

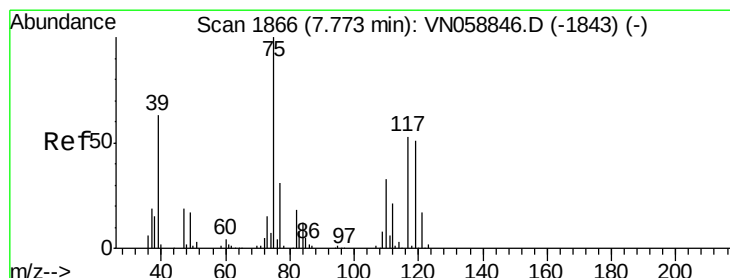
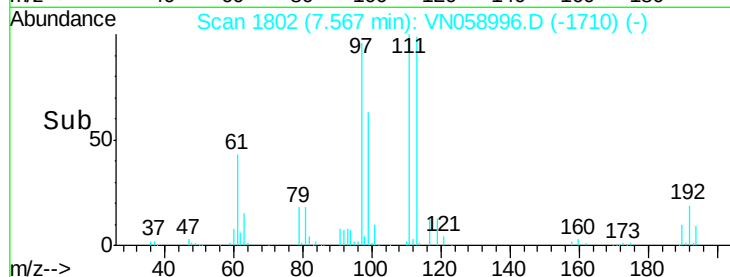
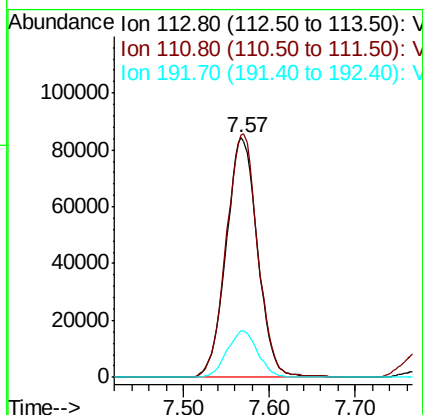
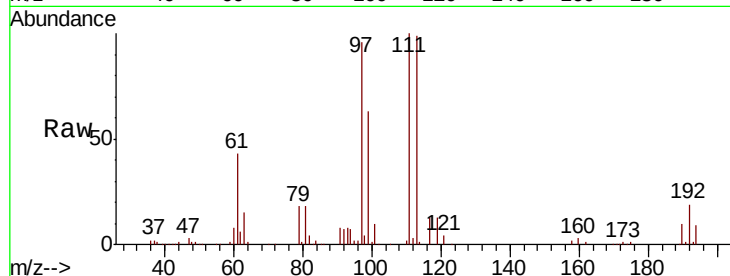




#35
Dibromofluoromethane
Concen: 48.779 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

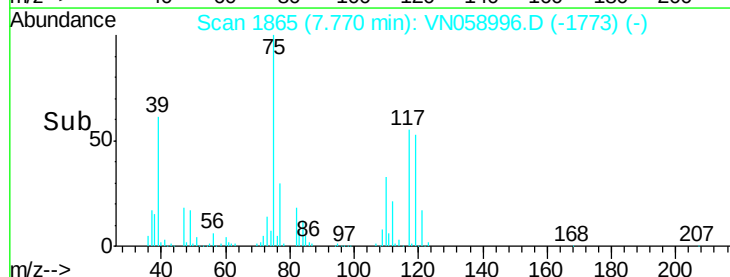
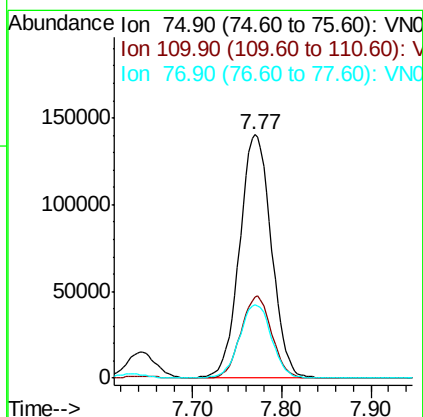
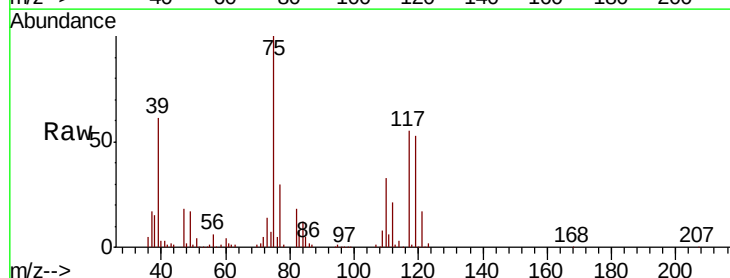
Instrument :
MSVOA_N
ClientSampleId :

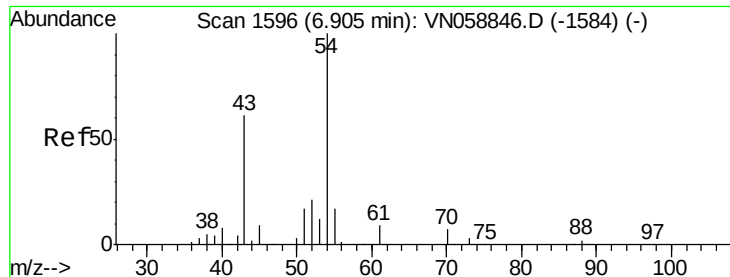
Tot Ion:113 Resp: 213201
Ion Ratio Lower Upper
113 100
111 102.0 82.0 123.0
192 19.0 15.0 22.6



#36
1,1-Dichloropropene
Concen: 50.678 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Tgt Ion: 75 Resp: 344919
Ion Ratio Lower Upper
75 100
110 32.7 16.3 48.9
77 30.8 24.6 36.8

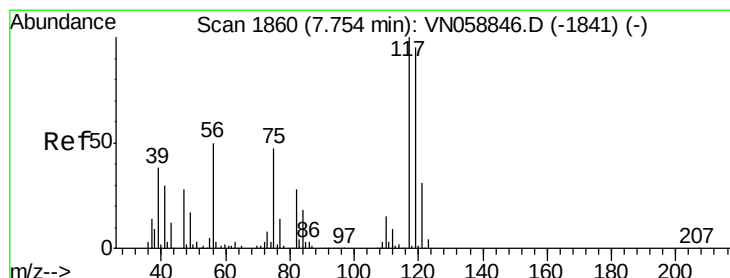
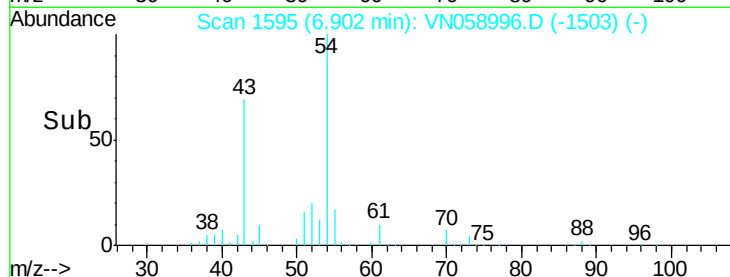
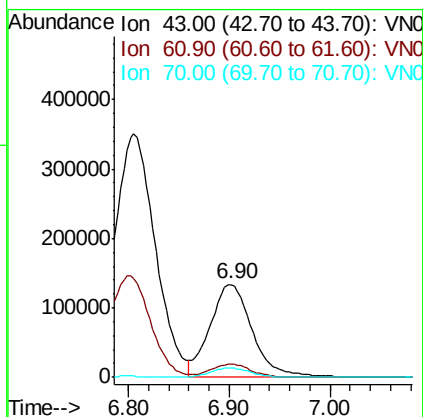
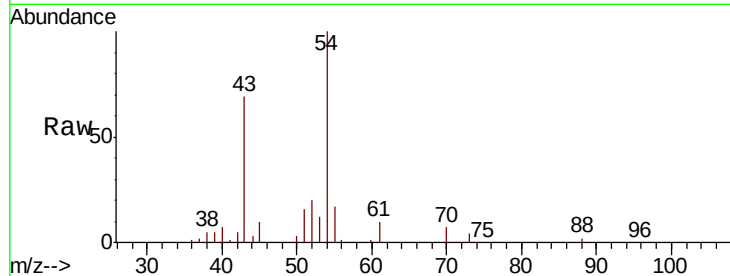




#37
Ethyl Acetate
Concen: 51.545 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

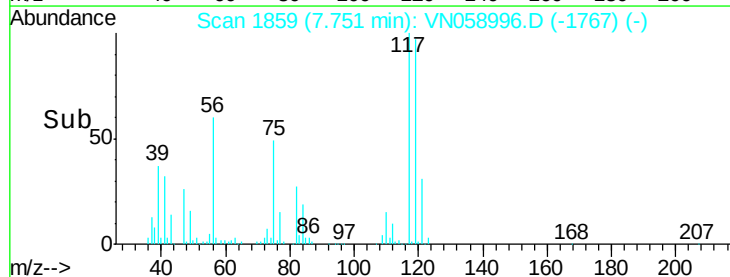
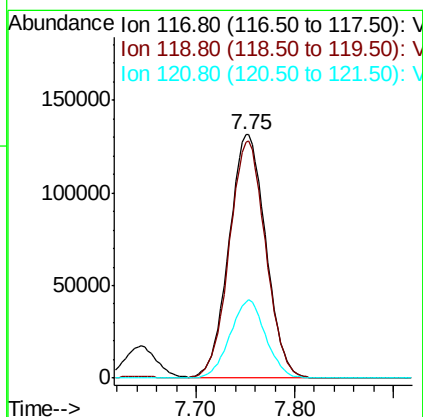
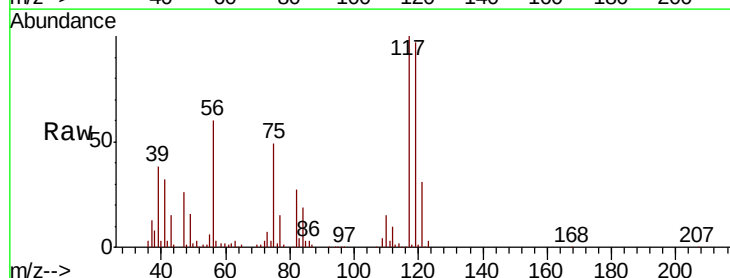
Instrument :
MSVOA_N
ClientSampleId :

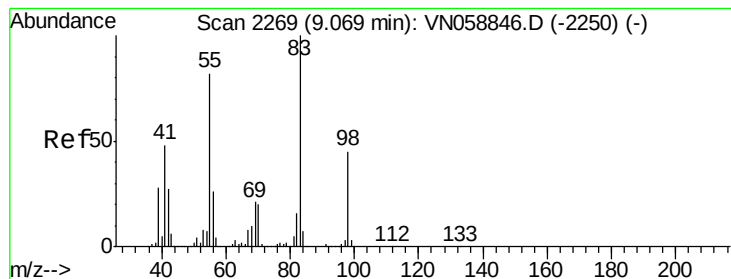
Tot Ion: 43 Resp: 382254
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 10.0 7.6 11.4



#38
Carbon Tetrachloride
Concen: 48.492 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Tgt Ion: 117 Resp: 339999
Ion Ratio Lower Upper
117 100
119 96.6 75.7 113.5
121 31.4 25.0 37.6





#39

Methylvlcyclohexane

Concen: 52.234 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :
MSVOA_N
ClientSampled :

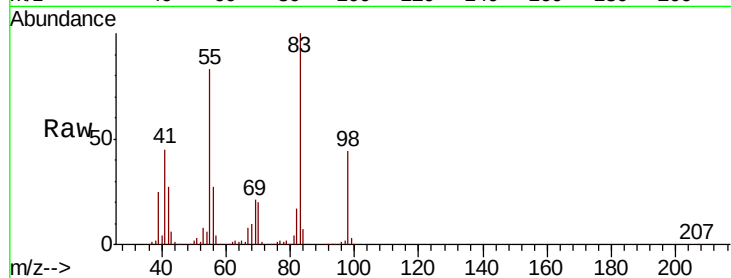
Tot Ion: 83 Resp: 399184

Ion Ratio Lower Upper

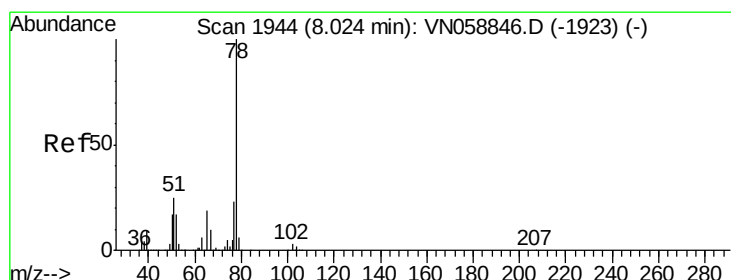
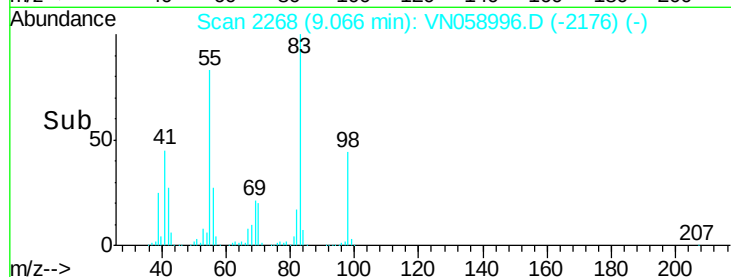
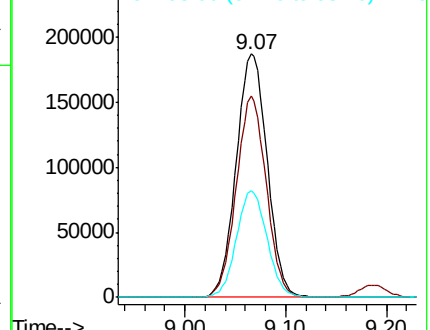
83 100

55 82.9 65.5 98.3

98 44.1 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: 51.871 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN058996.D

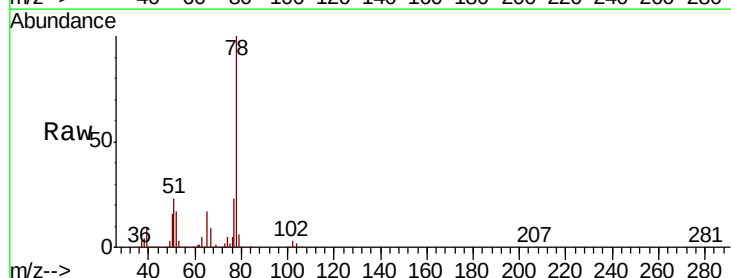
Acq: 29 Oct 2019 9:36

Tgt Ion: 78 Resp: 1036688

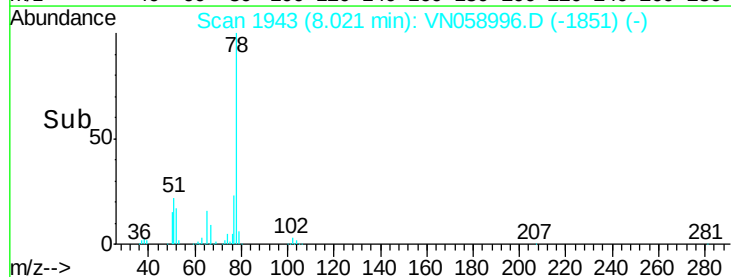
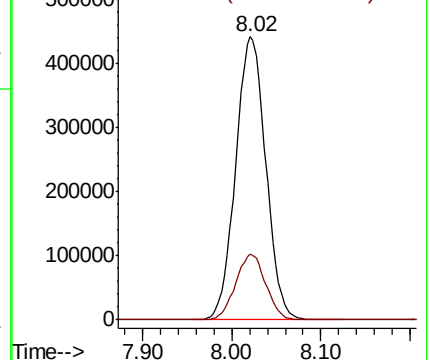
Ion Ratio Lower Upper

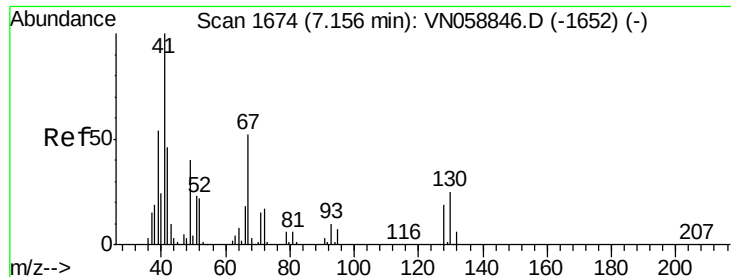
78 100

77 23.3 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

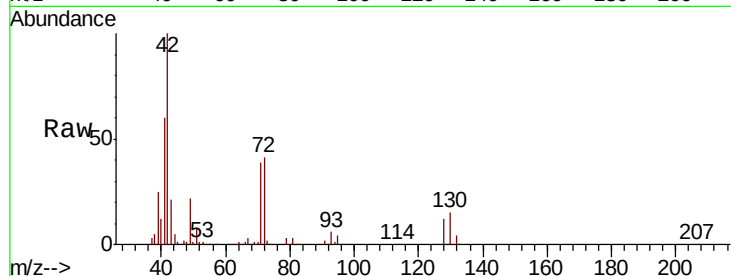




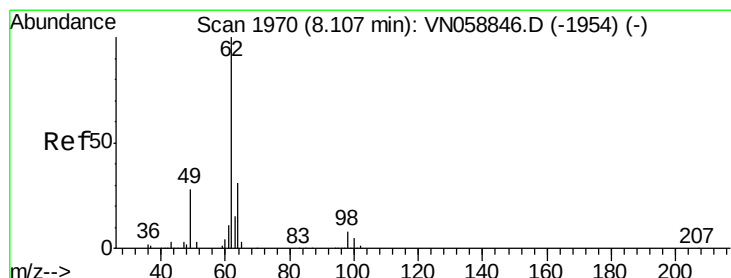
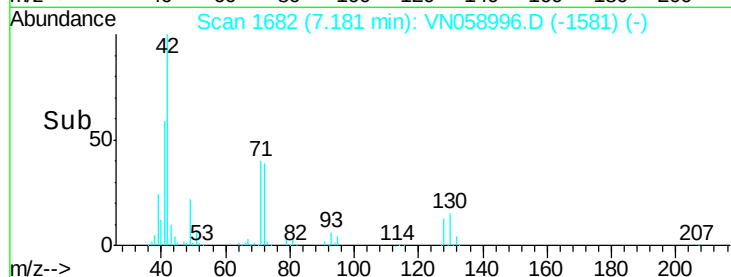
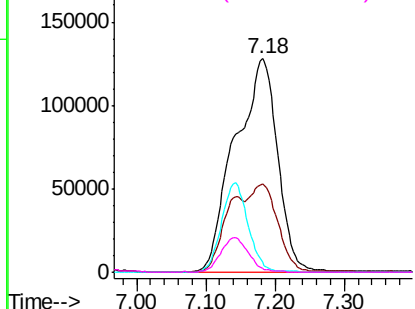
#41
Methacrylonitrile
Concen: 164.863 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	544529
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

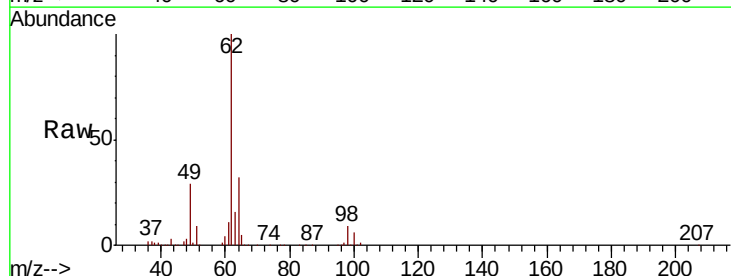


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

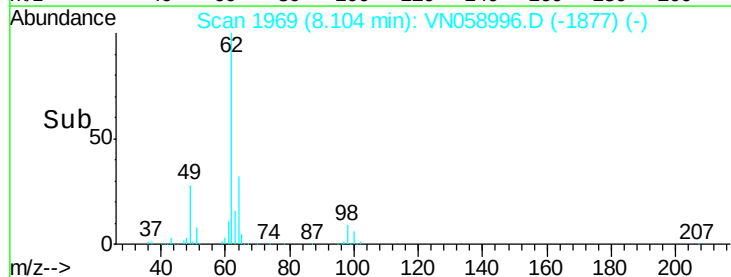
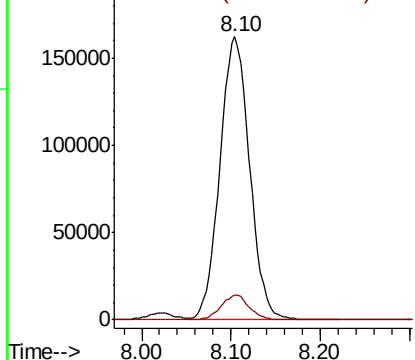


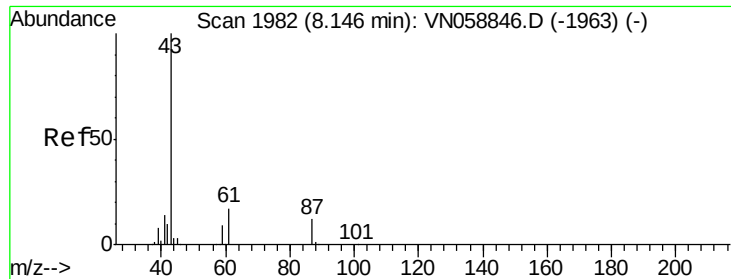
#42
1,2-Dichloroethane
Concen: 48.515 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Tgt Ion:	62	Resp:	373505
Ion	Ratio	Lower	Upper
62	100		
98	8.3	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: 52.408 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

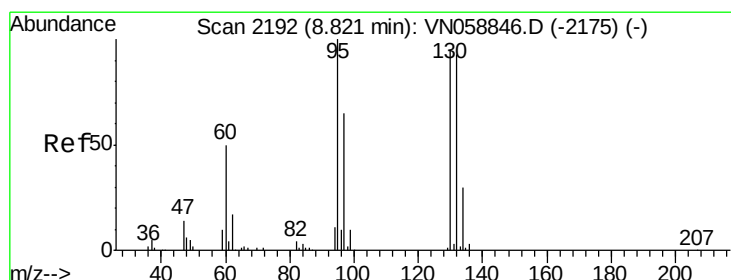
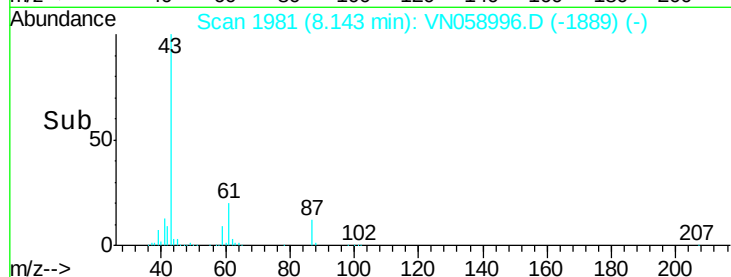
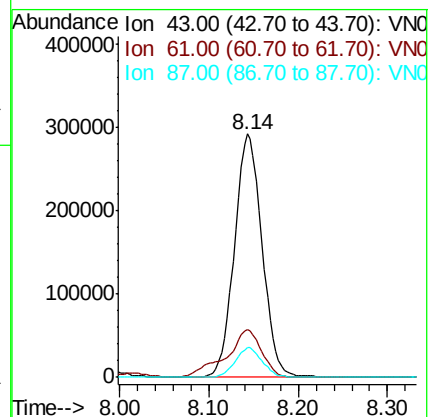
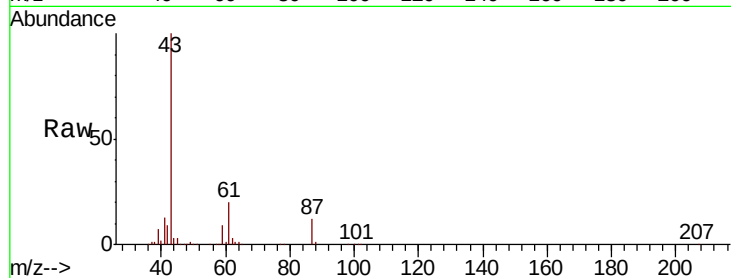
Tot Ion: 43 Resp: 623322

Ion Ratio Lower Upper

43 100

61 25.5 20.2 30.2

87 12.1 9.5 14.3



#44

Trichloroethene

Concen: 51.912 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN058996.D

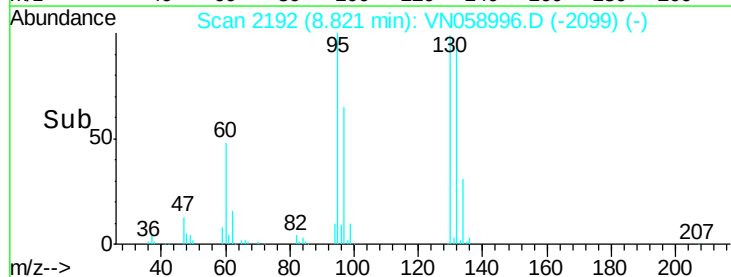
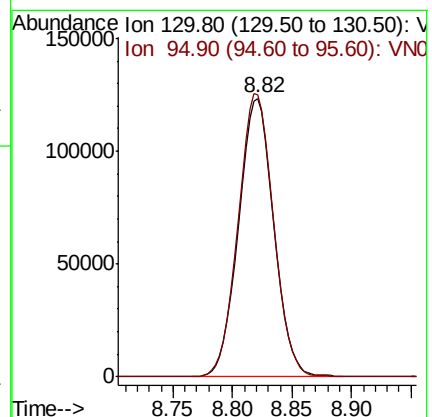
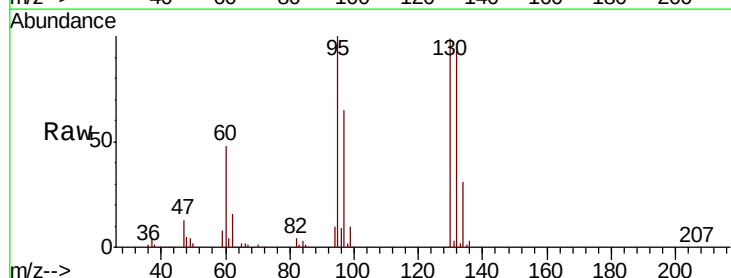
Acq: 29 Oct 2019 9:36

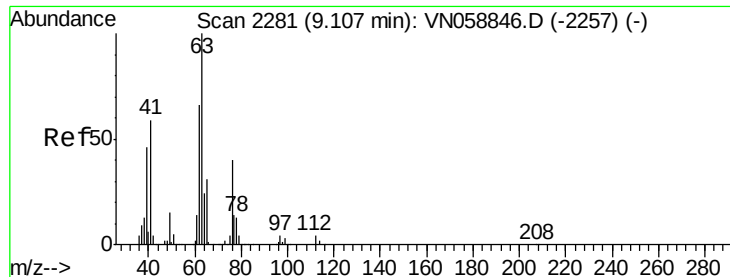
Tgt Ion: 130 Resp: 252730

Ion Ratio Lower Upper

130 100

95 101.1 0.0 209.6





#45

1,2-Dichloropropane

Concen: 52.528 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

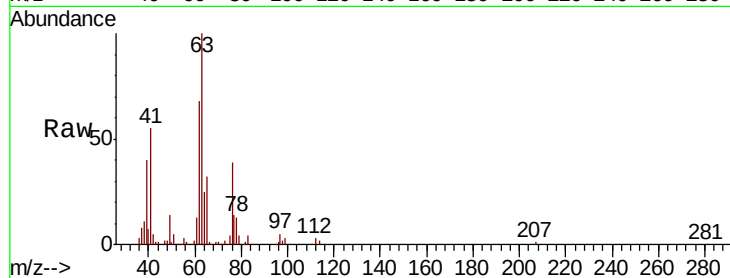
ClientSampleId :

Tot Ion: 63 Resp: 287875

Ion Ratio Lower Upper

63 100

65 31.6 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.10

150000

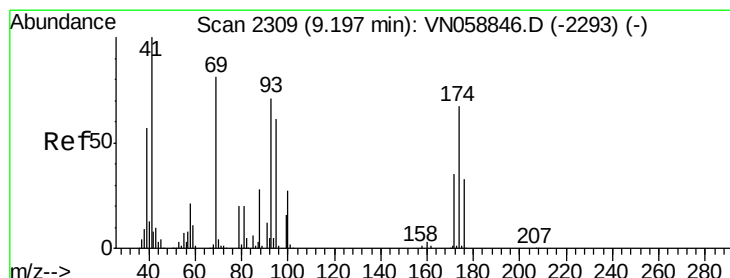
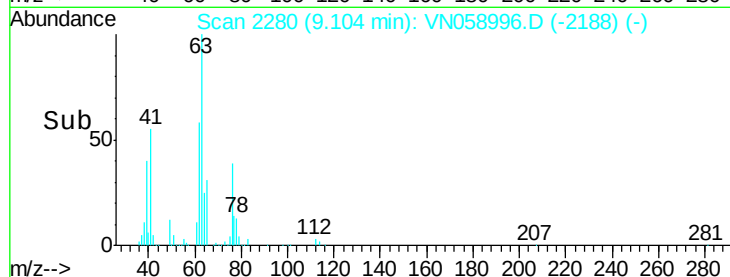
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 50.703 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

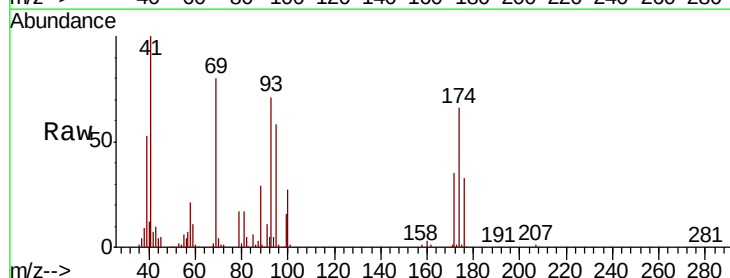
Tgt Ion: 93 Resp: 175666

Ion Ratio Lower Upper

93 100

95 82.6 67.6 101.4

174 94.8 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

120000

100000

80000

60000

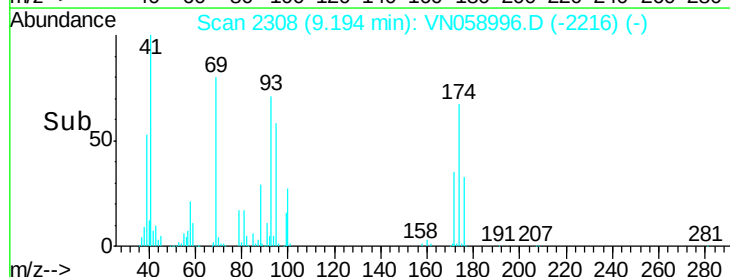
40000

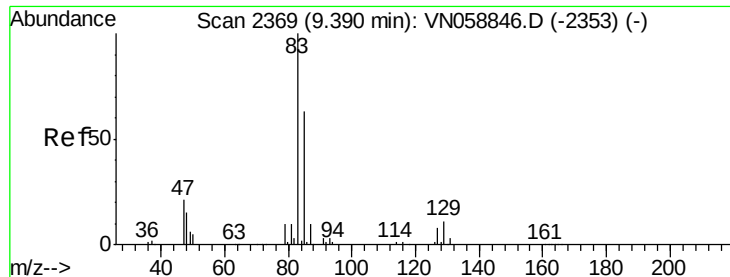
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 51.732 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

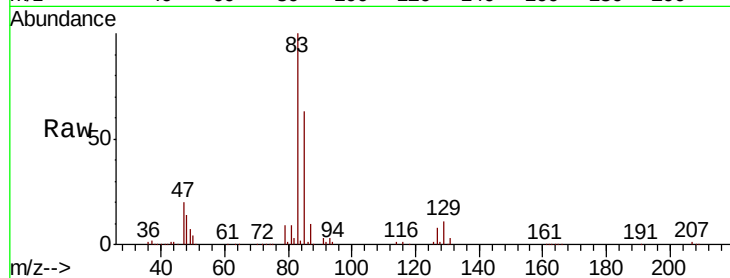
Tot Ion: 83 Resp: 369403

Ion Ratio Lower Upper

83 100

85 63.1 50.6 75.8

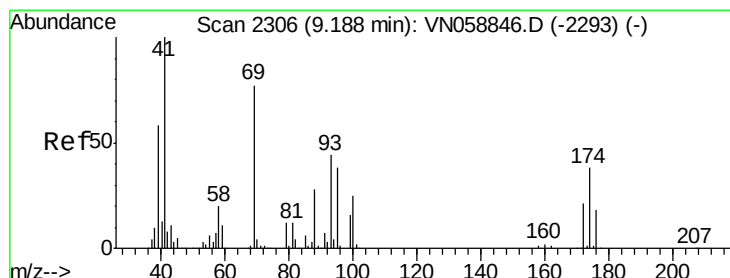
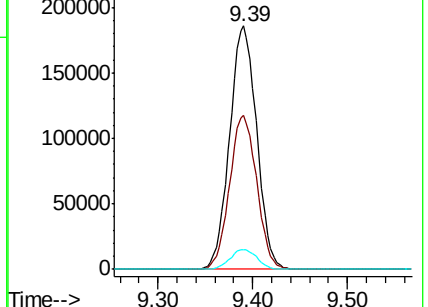
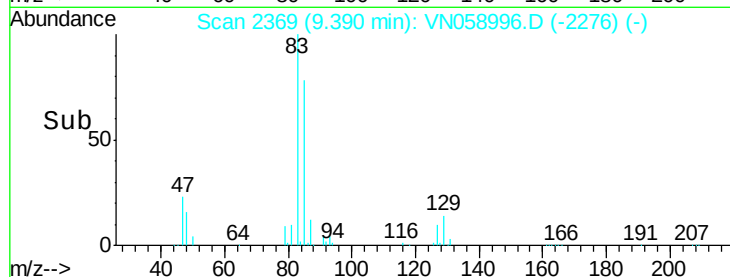
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN058846.D (-2353) (-)



#48

Methyl methacrylate

Concen: 53.271 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

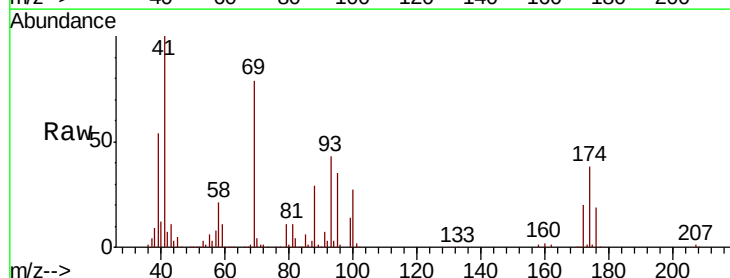
Tgt Ion: 41 Resp: 287456

Ion Ratio Lower Upper

41 100

69 80.9 63.8 95.6

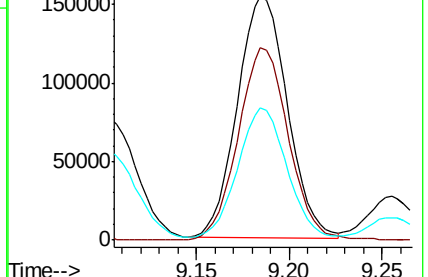
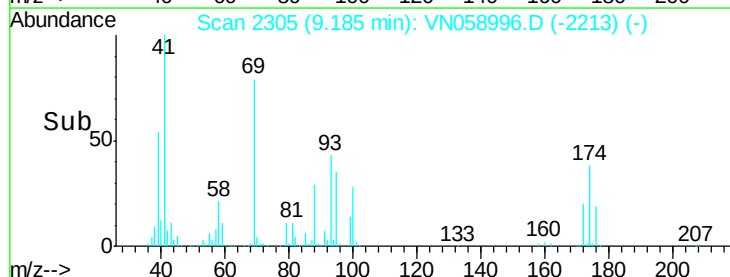
39 54.6 47.8 71.8

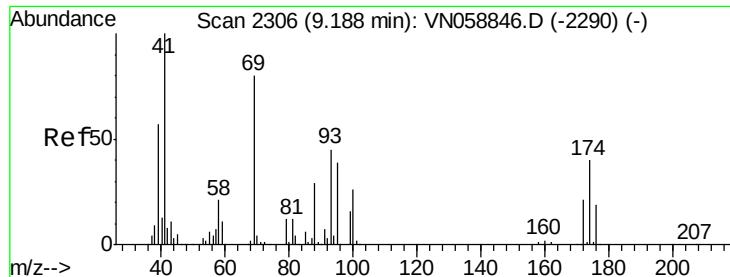


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN058846.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-2293) (-)

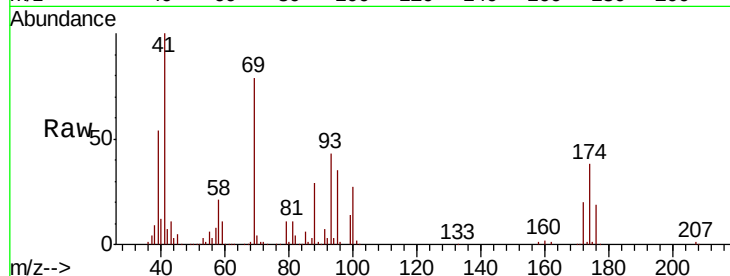




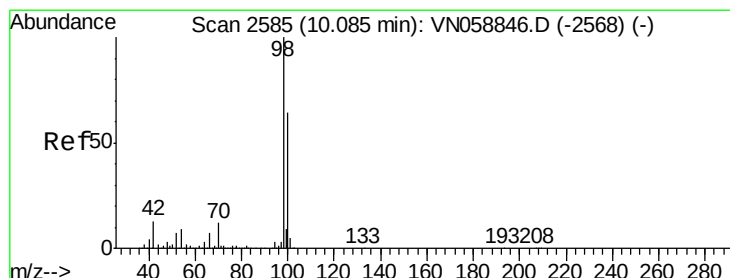
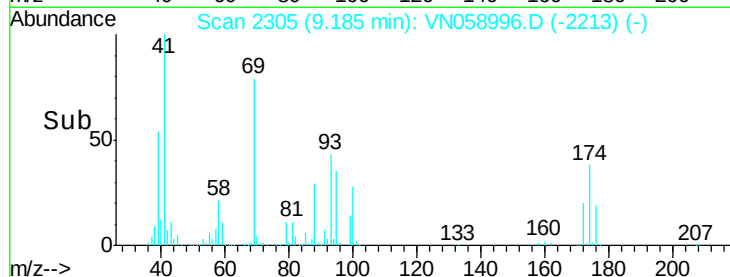
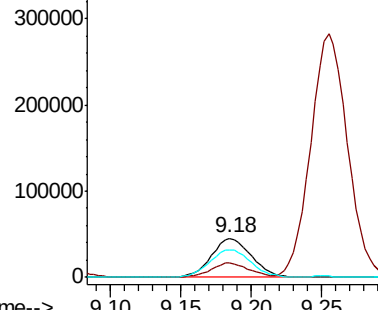
#49
1,4-Dioxane
Concen: 1025.945 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 90880
Ion Ratio Lower Upper
88 100
43 33.9 29.1 43.7
58 72.8 59.4 89.0

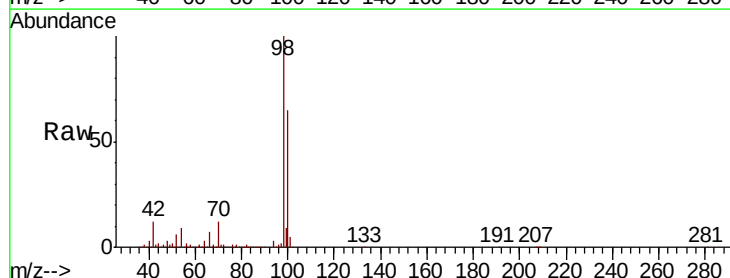


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

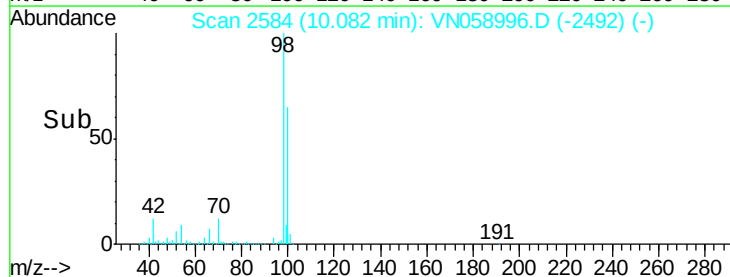
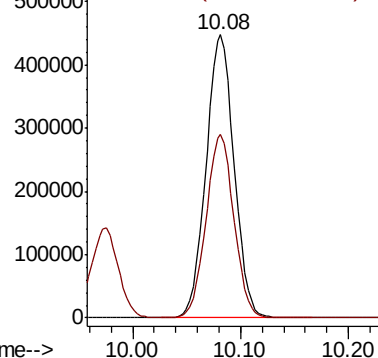


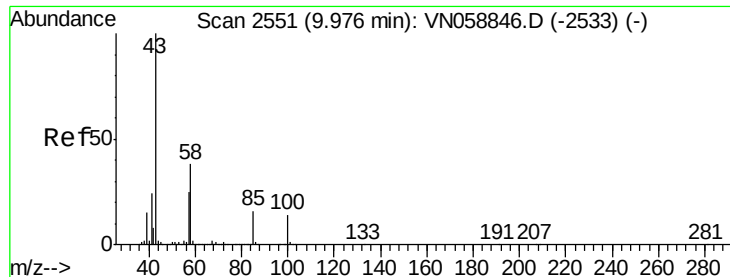
#50
Toluene-d8
Concen: 47.750 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Tgt Ion: 98 Resp: 810171
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: 274.773 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

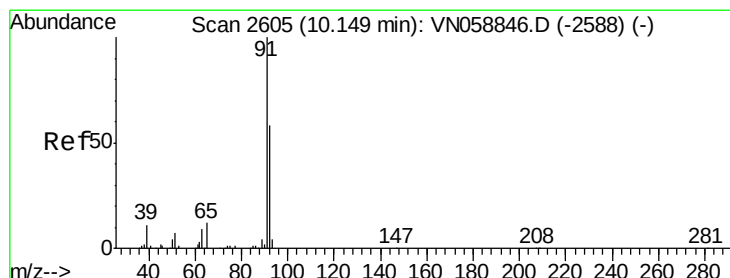
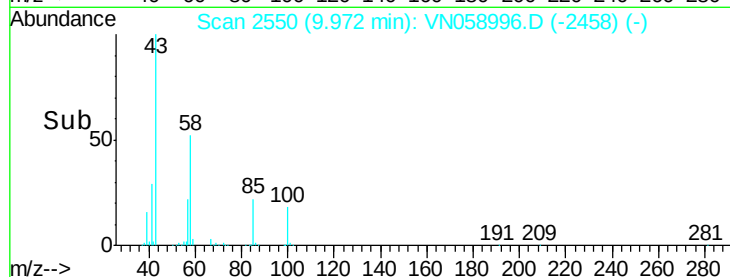
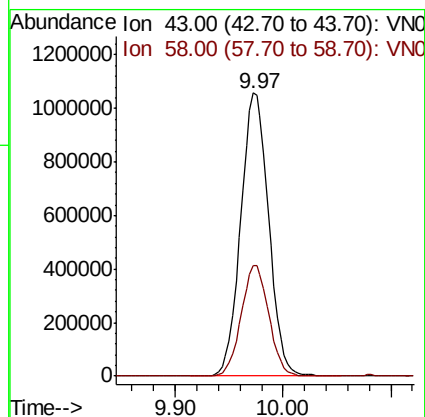
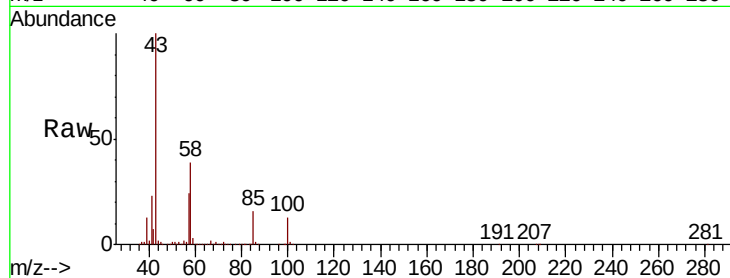
ClientSampleId :

Tot Ion: 43 Resp: 1908839

Ion Ratio Lower Upper

43 100

58 38.6 29.9 44.9



#52

Toluene

Concen: 53.684 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058996.D

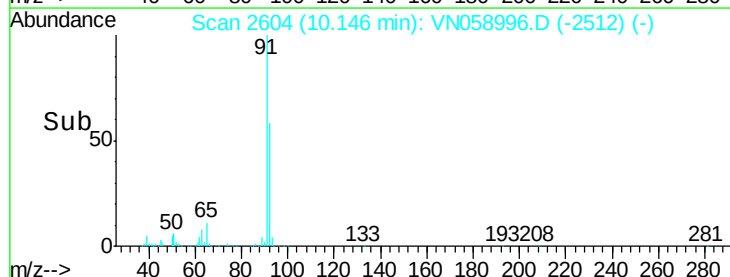
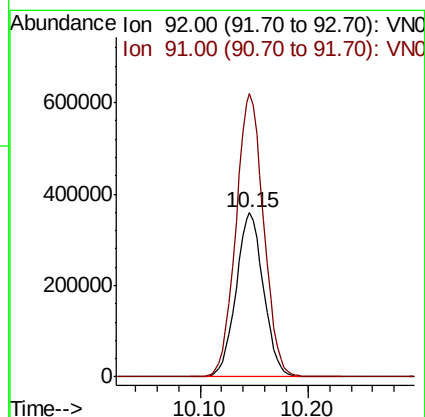
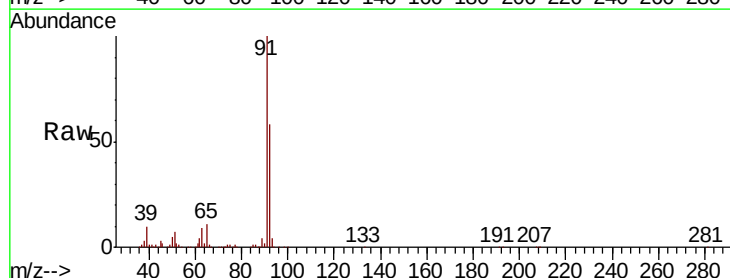
Acq: 29 Oct 2019 9:36

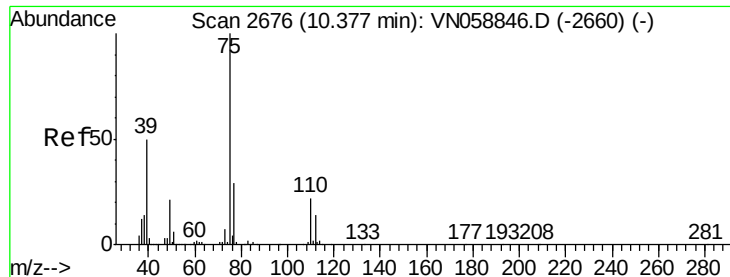
Tgt Ion: 92 Resp: 636254

Ion Ratio Lower Upper

92 100

91 174.5 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 54.026 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

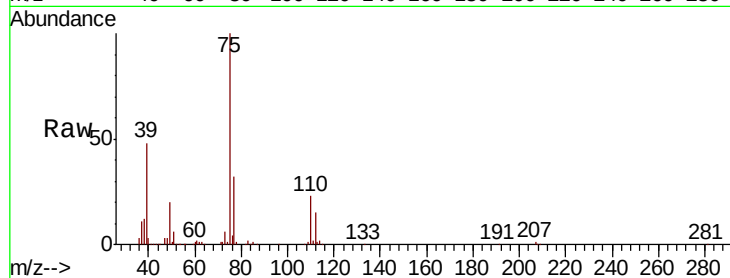
ClientSampled :

Tot Ion: 75 Resp: 427073

Ion Ratio Lower Upper

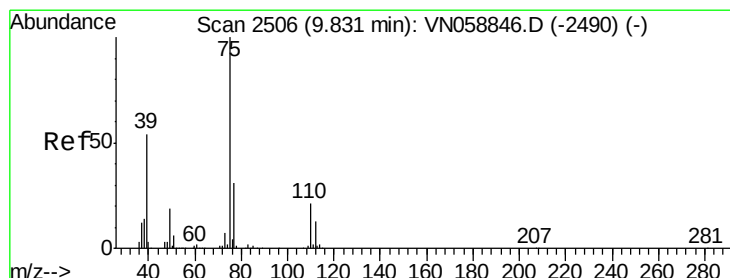
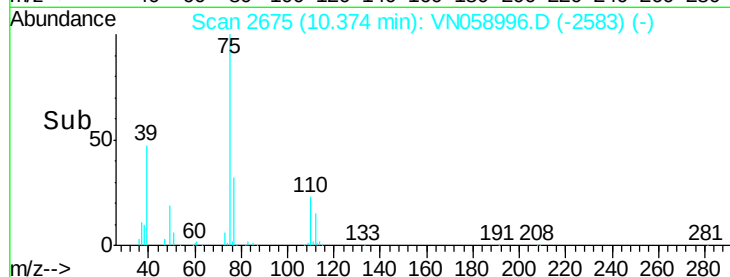
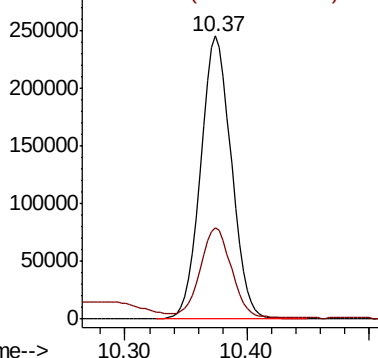
75 100

77 31.9 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: 54.076 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

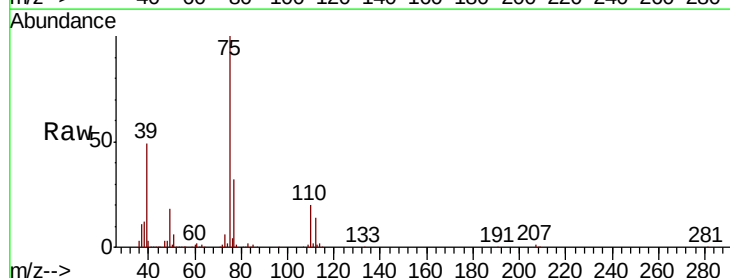
Tgt Ion: 75 Resp: 456691

Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1

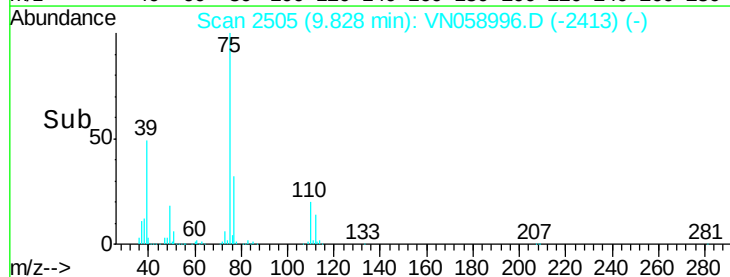
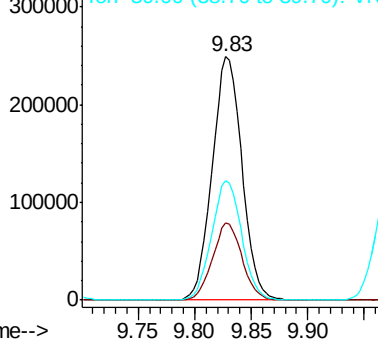
39 49.1 43.5 65.3

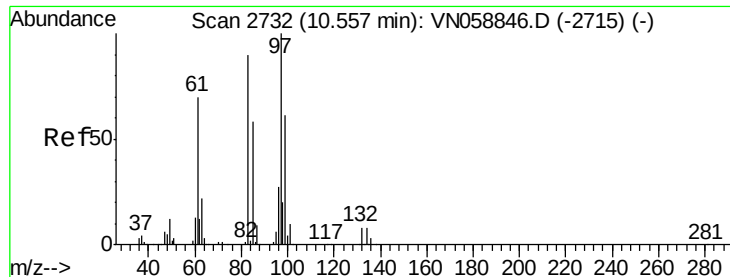


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 51.647 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 252161

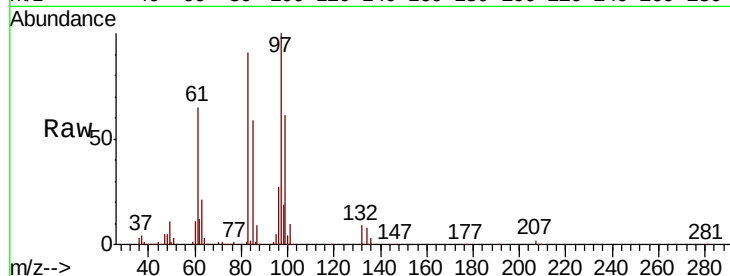
Ion Ratio Lower Upper

97 100

83 91.4 72.2 108.4

85 58.8 46.2 69.2

99 61.3 48.7 73.1

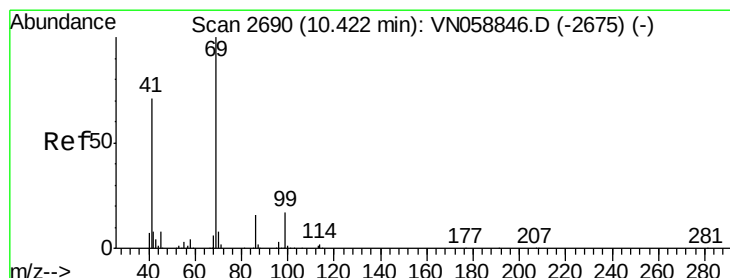
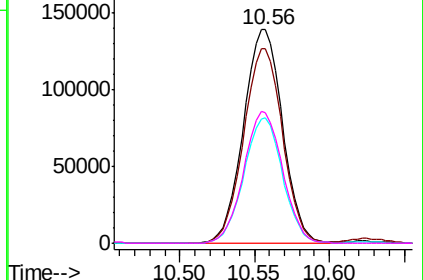
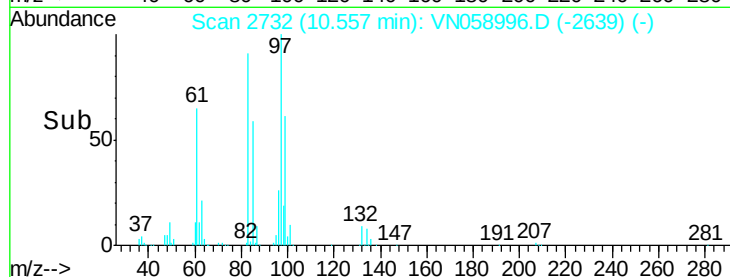


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 49.666 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

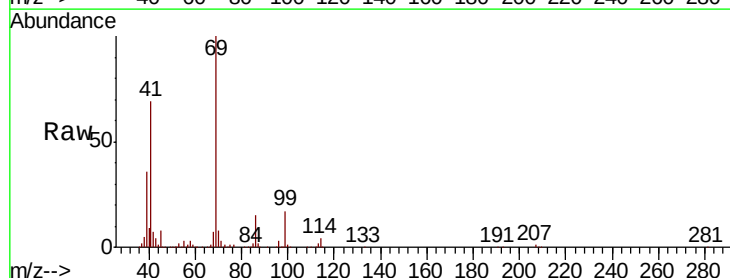
Tgt Ion: 69 Resp: 407208

Ion Ratio Lower Upper

69 100

41 67.8 57.2 85.8

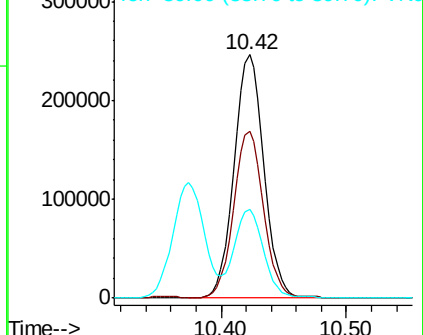
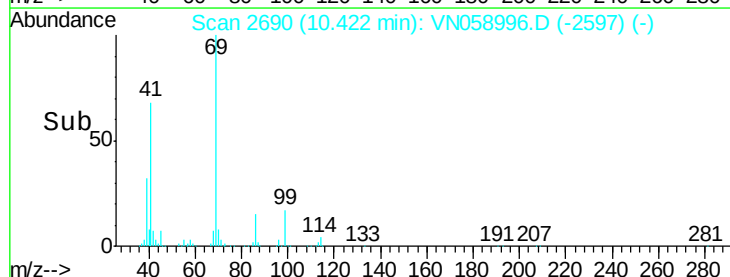
39 35.3 31.0 46.4

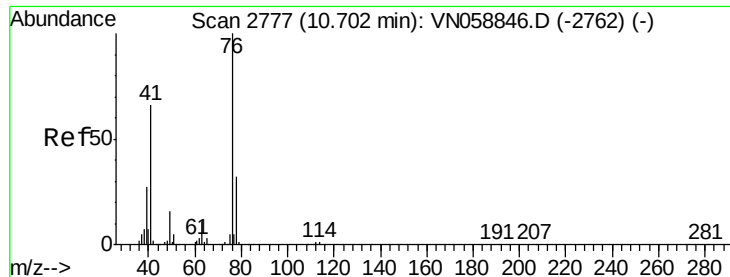


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.754 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

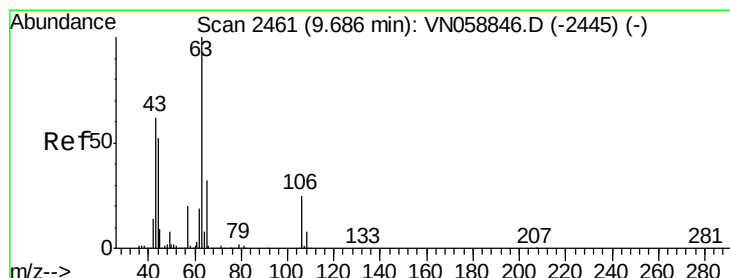
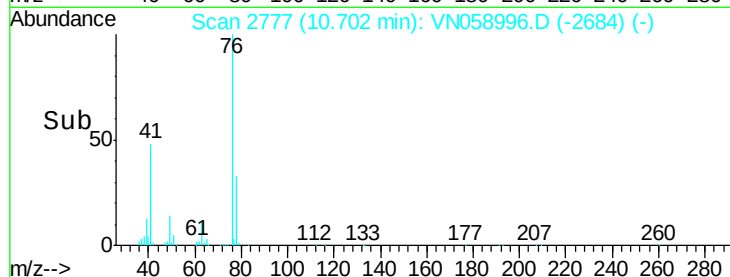
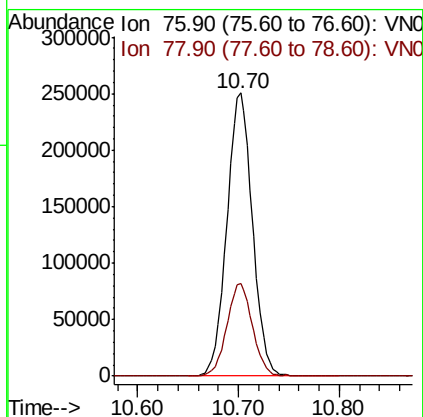
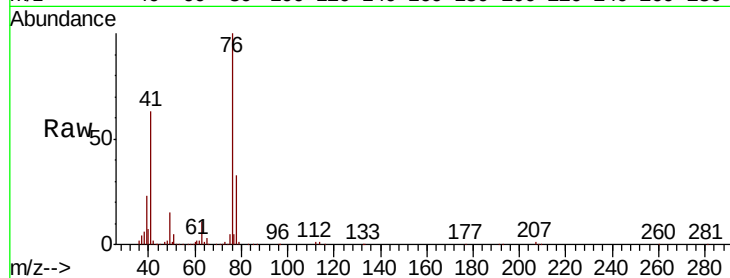
ClientSampleId :

Tot Ion: 76 Resp: 443491

Ion Ratio Lower Upper

76 100

78 32.8 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 257.191 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN058996.D

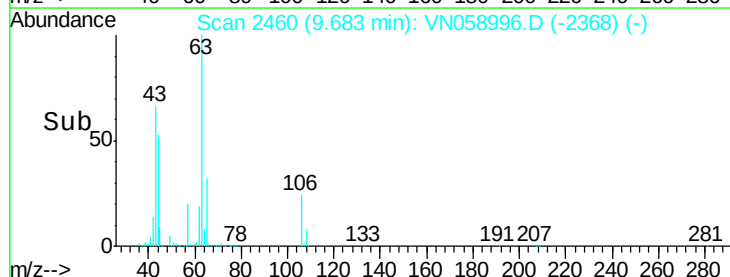
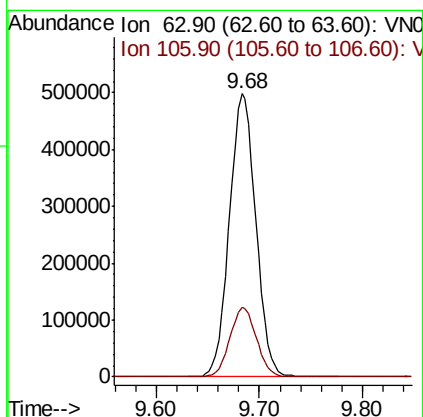
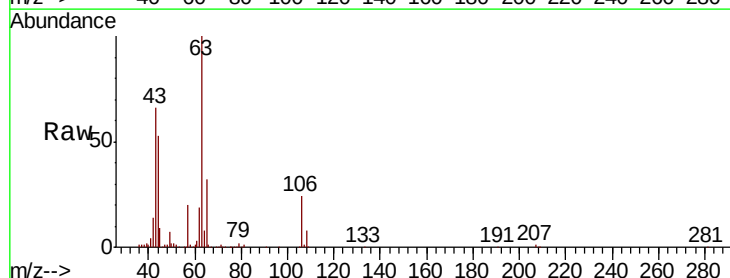
Acq: 29 Oct 2019 9:36

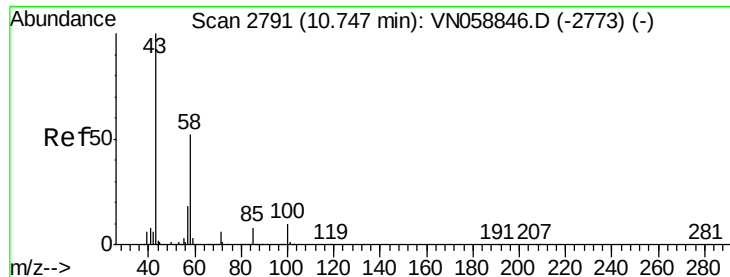
Tgt Ion: 63 Resp: 891286

Ion Ratio Lower Upper

63 100

106 24.6 19.8 29.8

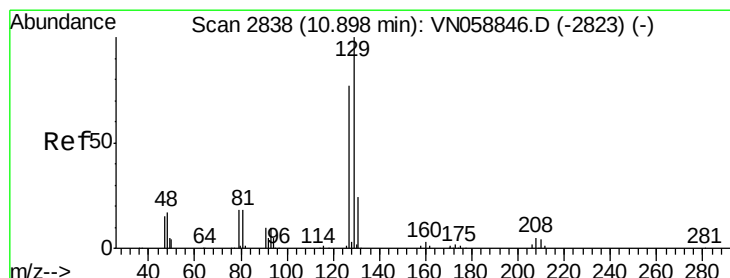
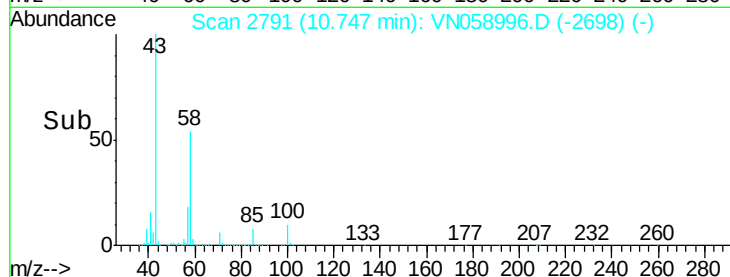
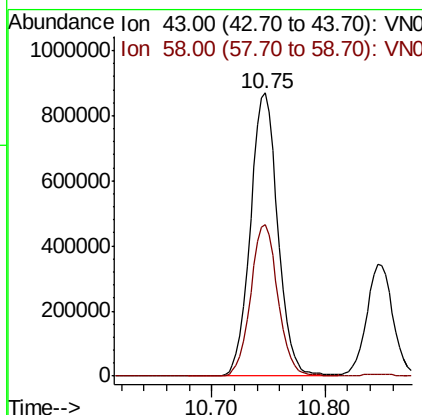
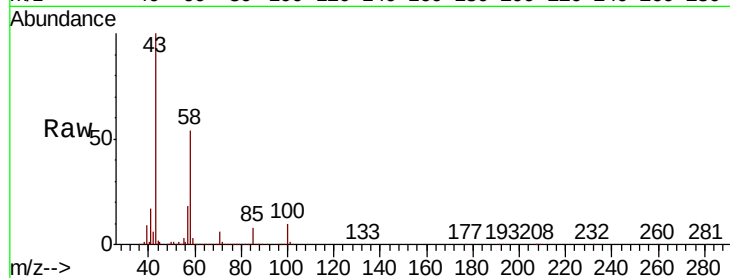




#59
2-Hexanone
Concen: 272.475 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

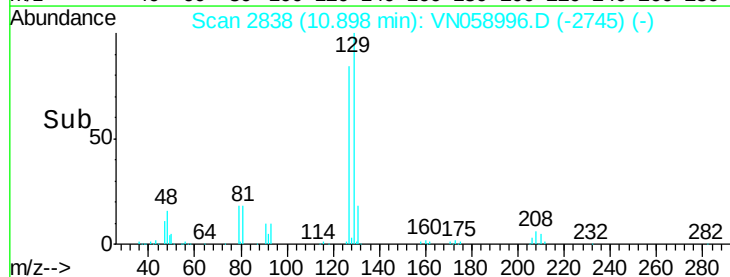
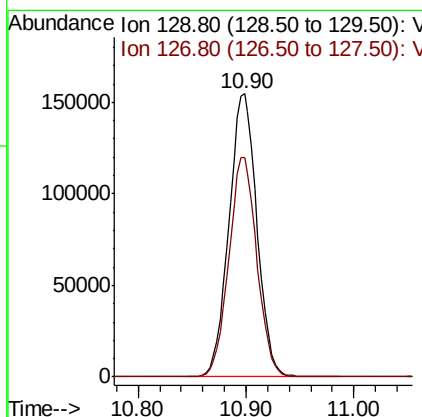
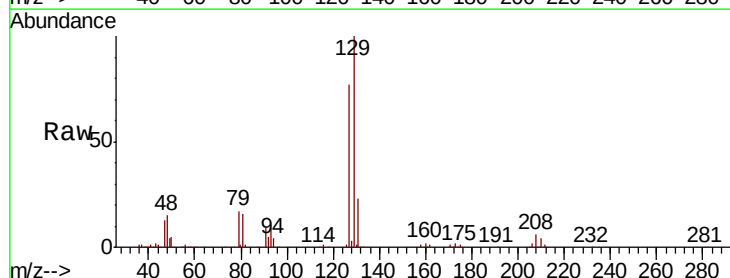
Instrument :
MSVOA_N
ClientSampled :

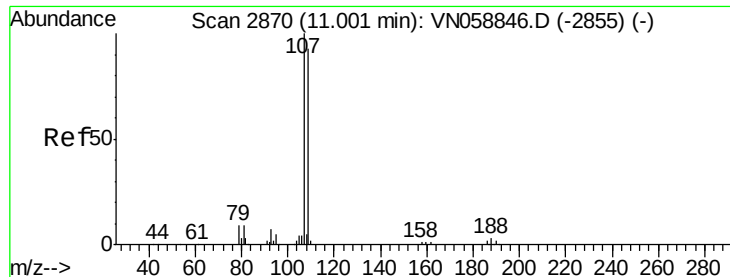
Tot Ion: 43 Resp: 1462683
Ion Ratio Lower Upper
43 100
58 53.5 25.9 77.7



#60
Dibromochloromethane
Concen: 53.215 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Tgt Ion: 129 Resp: 279658
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3

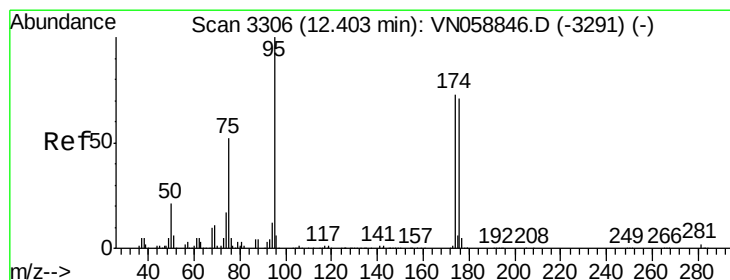
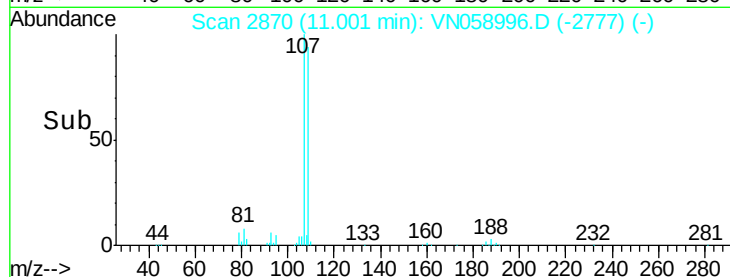
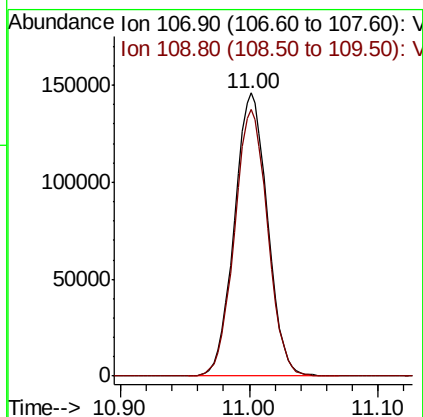
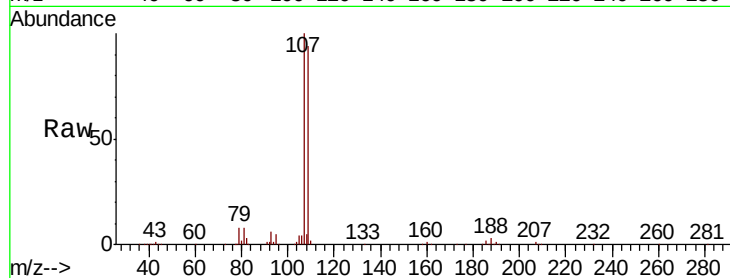




#61
 1,2-Dibromoethane
 Concen: 52.206 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058996.D
 Acq: 29 Oct 2019 9:36

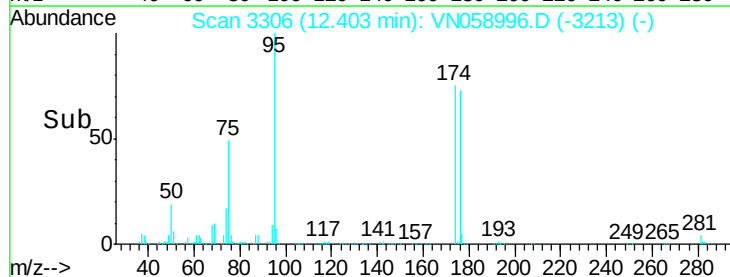
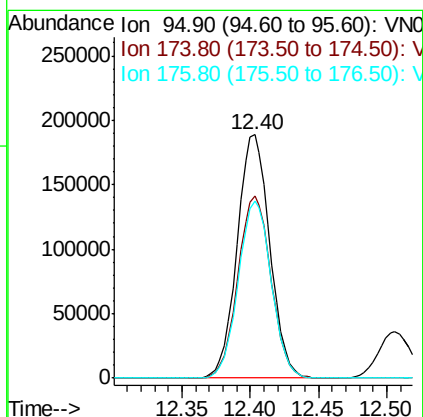
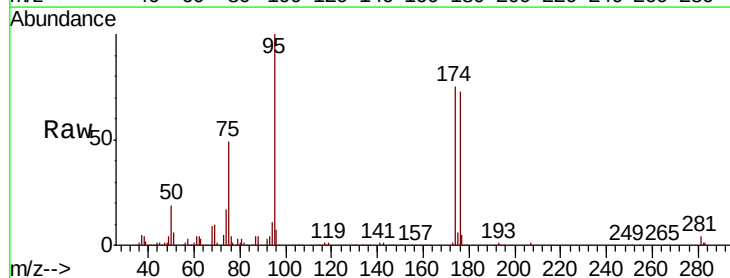
Instrument :
 MSVOA_N
 ClientSampleId :

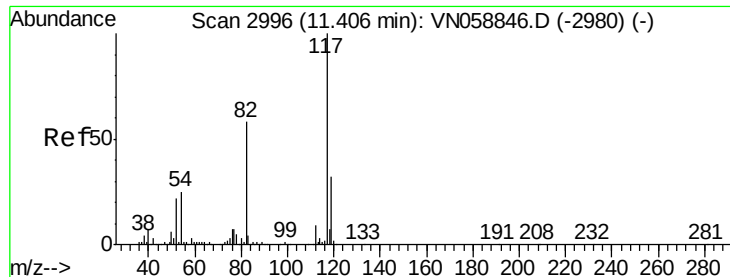
Tot Ion: 107 Resp: 260852
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 50.318 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058996.D
 Acq: 29 Oct 2019 9:36

Tgt Ion: 95 Resp: 313513
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 147.6
 176 73.4 0.0 143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

ClientSampled :

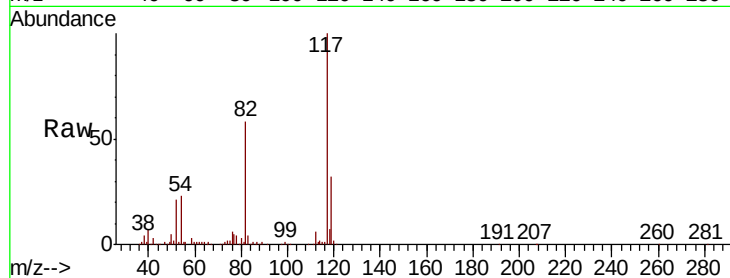
Tot Ion:117 Resp: 619359

Ion Ratio Lower Upper

117 100

82 57.7 46.6 69.8

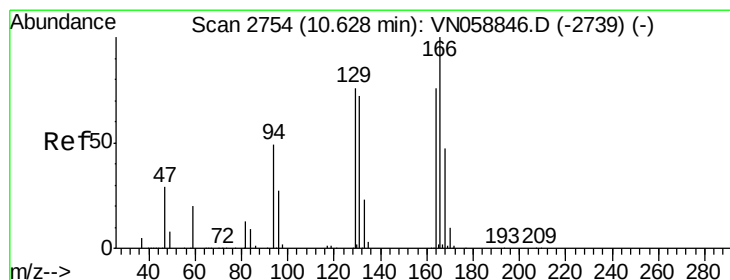
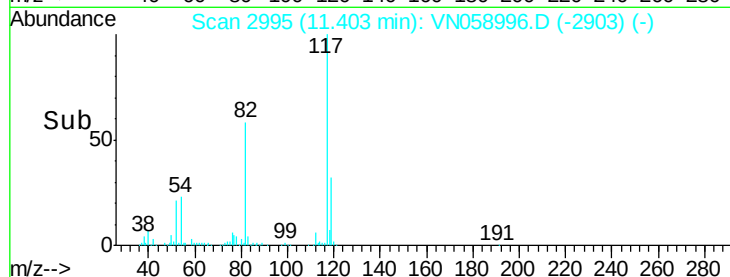
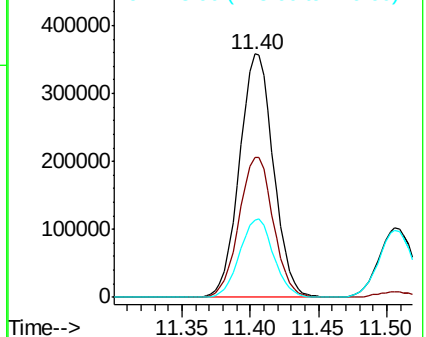
119 31.9 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.157 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Tgt Ion:164 Resp: 221899

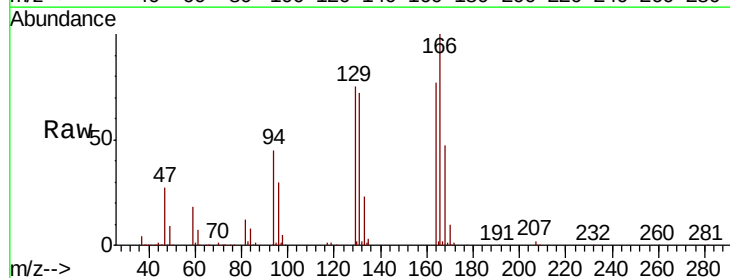
Ion Ratio Lower Upper

164 100

166 129.5 104.8 157.2

129 96.7 79.3 118.9

131 93.6 75.8 113.6

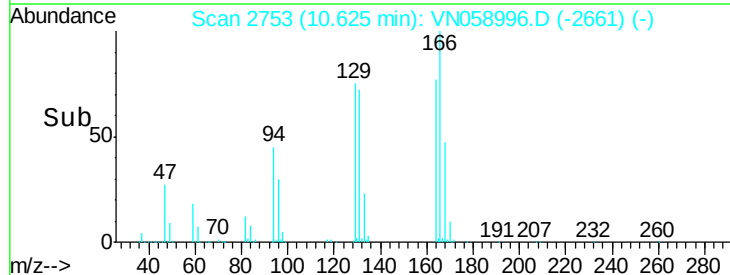
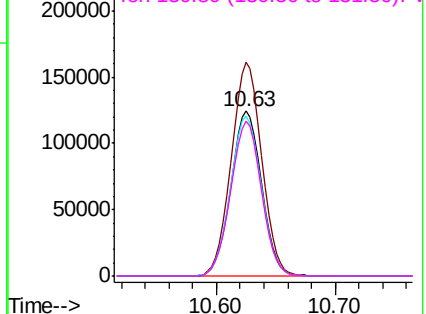


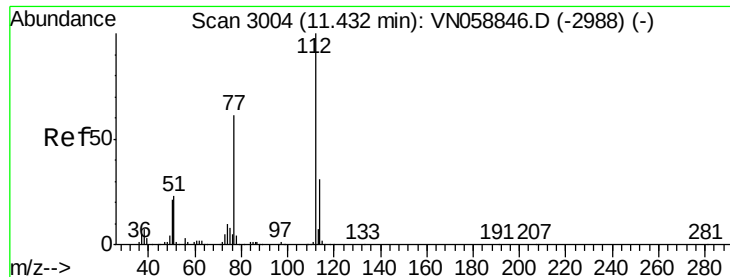
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

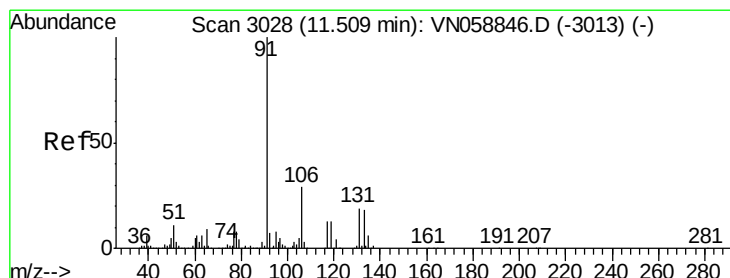
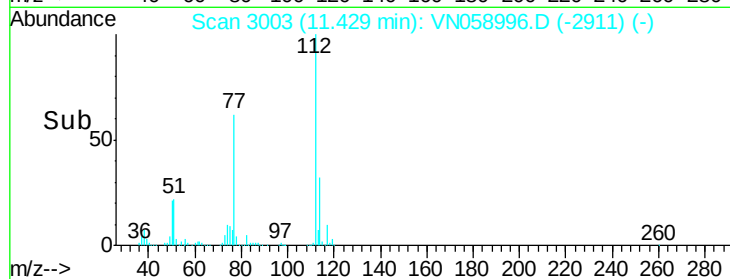
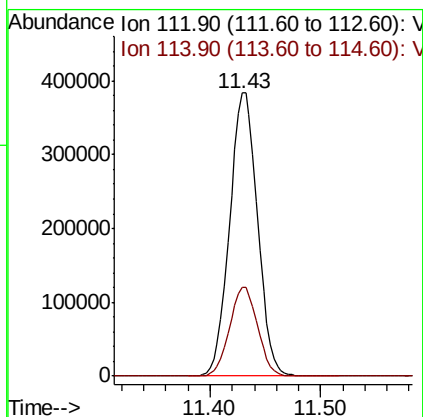
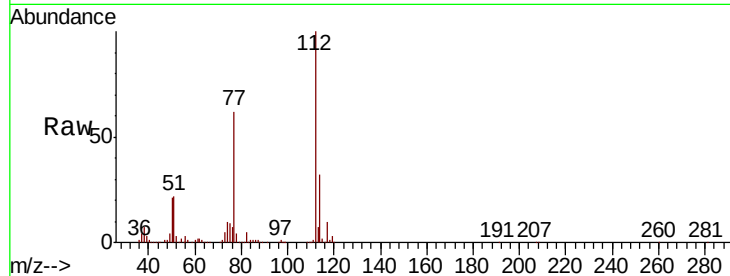




#65
Chlorobenzene
Concen: 53.403 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

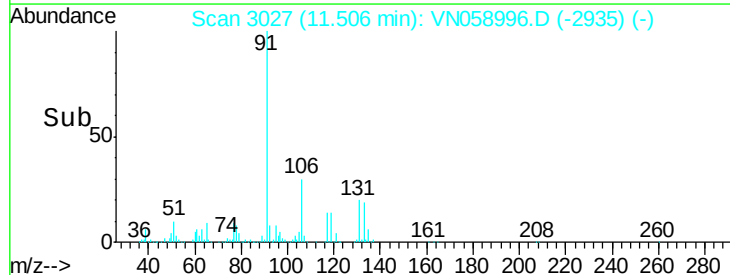
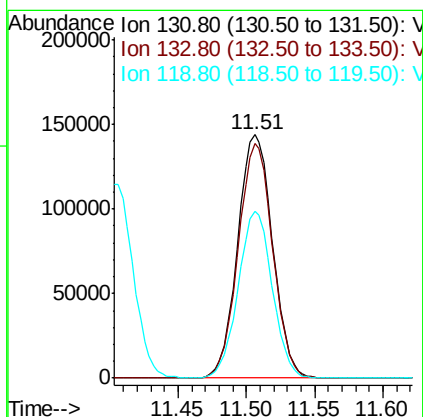
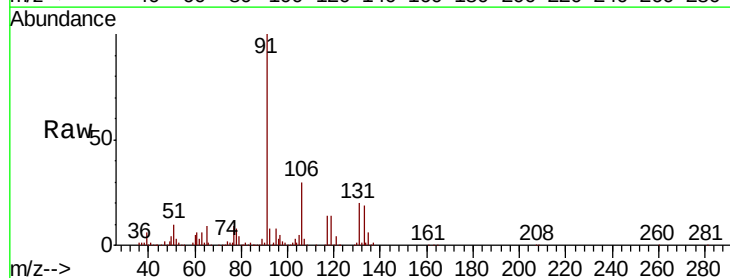
Instrument :
MSVOA_N
ClientSampled :

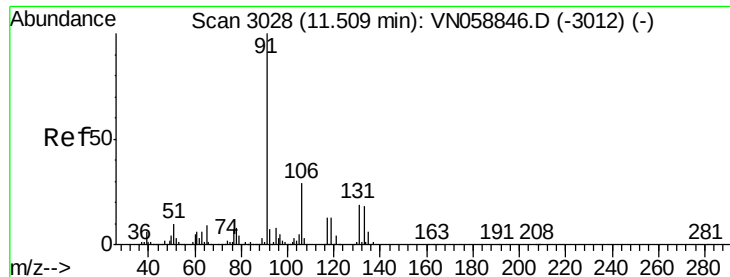
Tot Ion:112 Resp: 673381
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.675 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Tgt Ion:131 Resp: 255396
Ion Ratio Lower Upper
131 100
133 95.5 48.4 145.2
119 67.0 33.6 100.8





#67

Ethyl Benzene

Concen: 56.089 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

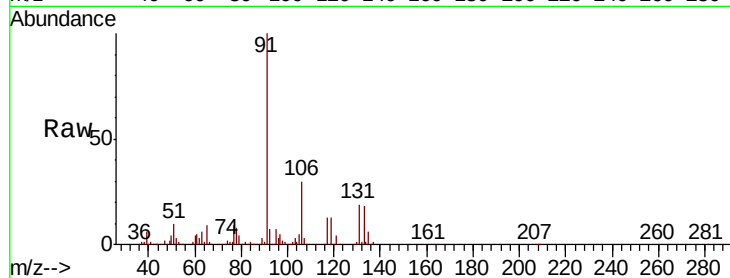
ClientSampled :

Tot Ion: 91 Resp: 1240666

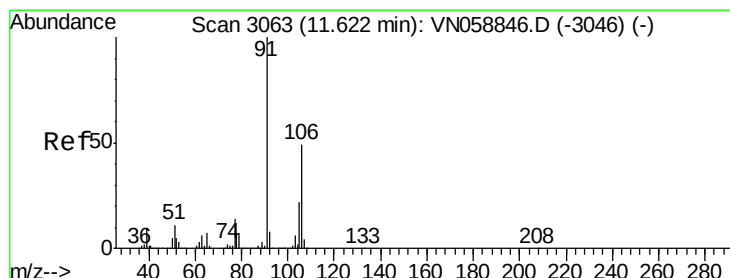
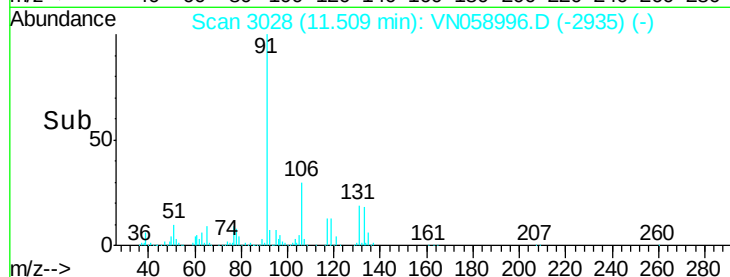
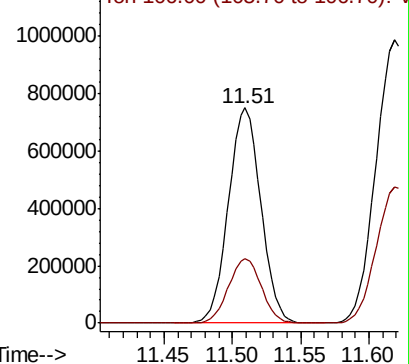
Ion Ratio Lower Upper

91 100

106 30.2 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3012) (-)



#68

m/p-Xylenes

Concen: 112.202 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058996.D

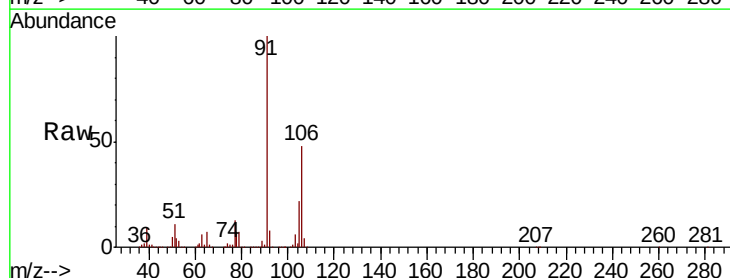
Acq: 29 Oct 2019 9:36

Tgt Ion: 106 Resp: 920394

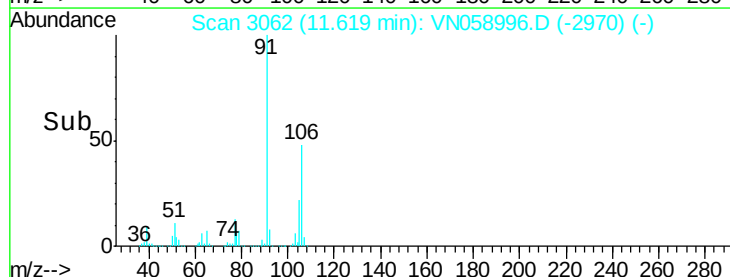
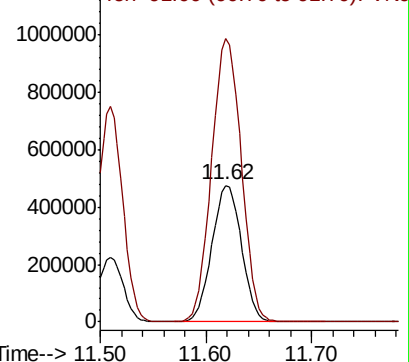
Ion Ratio Lower Upper

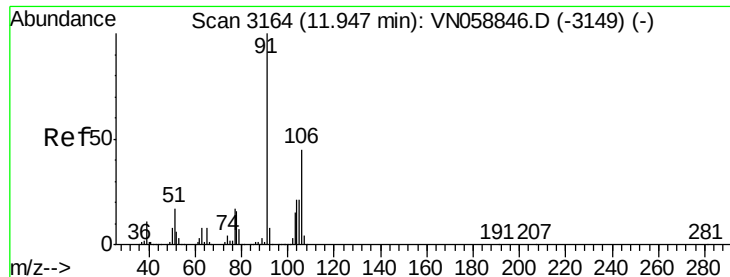
106 100

91 208.5 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058846.D (-3046) (-)

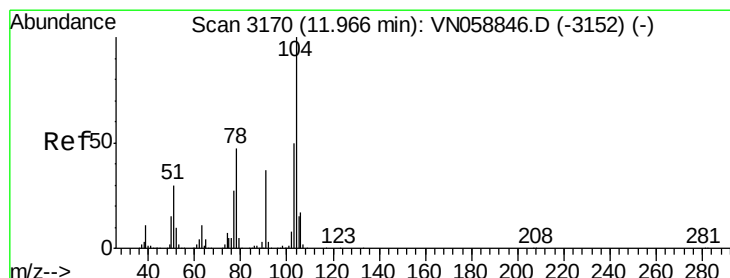
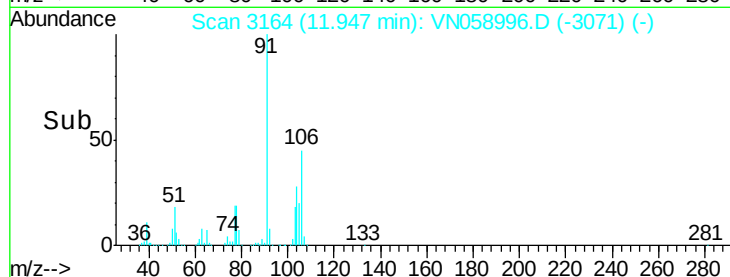
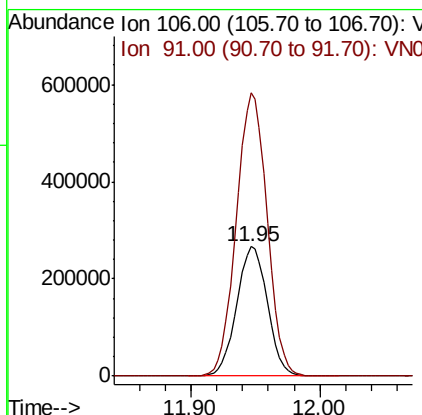
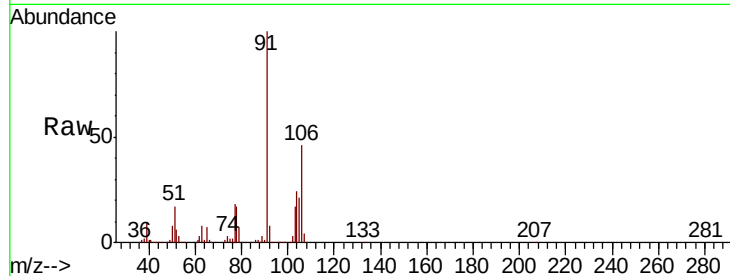




#69
o-Xylene
Concen: 56.540 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

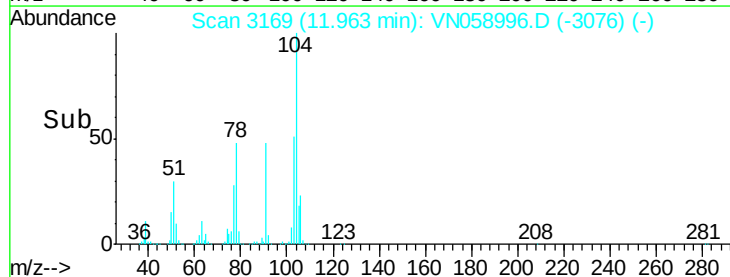
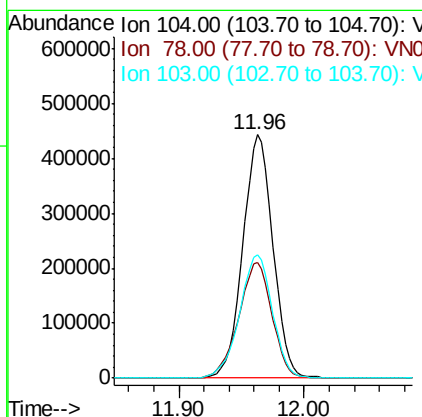
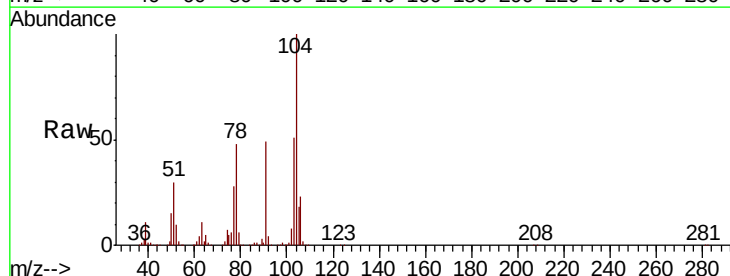
Instrument :
MSVOA_N
ClientSampled :

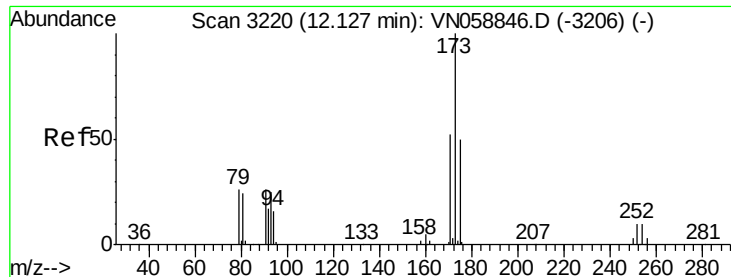
Tot Ion:106 Resp: 442336
Ion Ratio Lower Upper
106 100
91 218.9 111.5 334.4



#70
Styrene
Concen: 51.286 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Tgt Ion:104 Resp: 741283
Ion Ratio Lower Upper
104 100
78 52.4 42.8 64.2
103 55.1 44.3 66.5





#71

Bromoform

Concen: 55.158 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

ClientSampled :

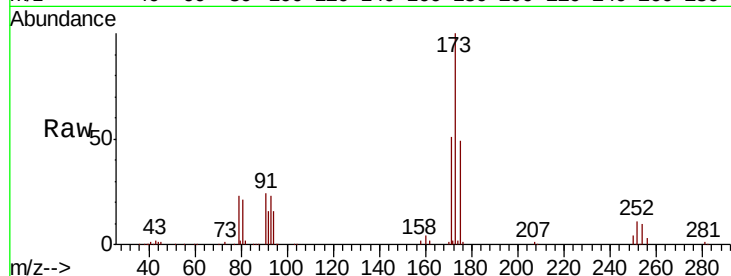
Tot Ion:173 Resp: 203518

Ion Ratio Lower Upper

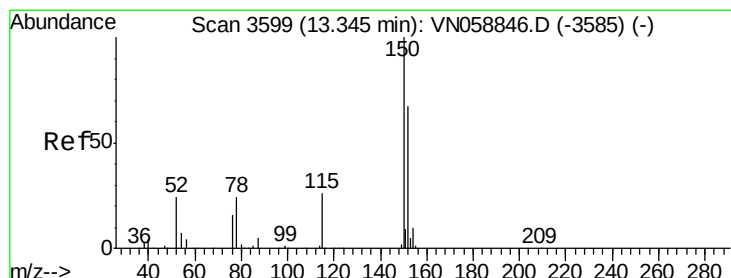
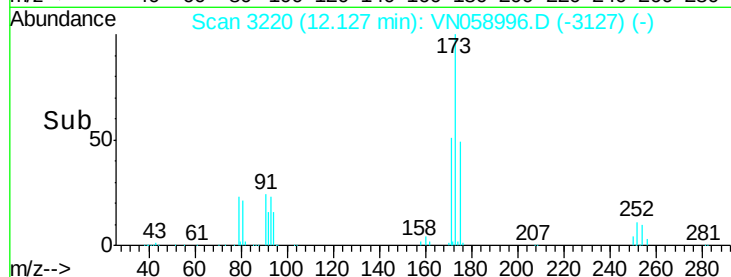
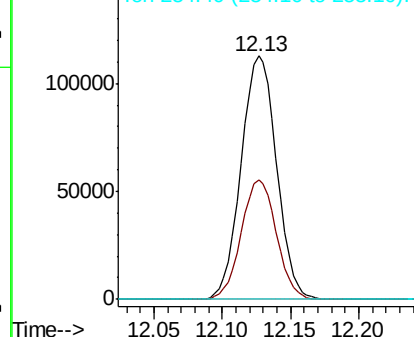
173 100

175 48.5 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: VN058996.D

Acq: 29 Oct 2019 9:36

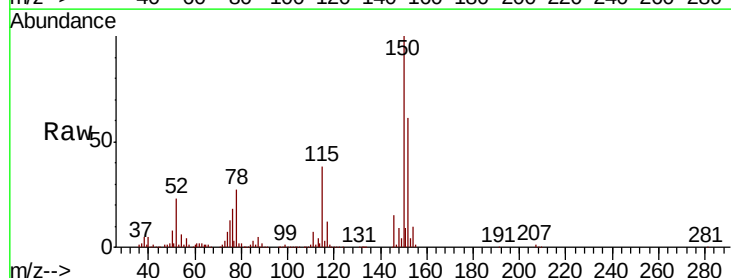
Tgt Ion:152 Resp: 303906

Ion Ratio Lower Upper

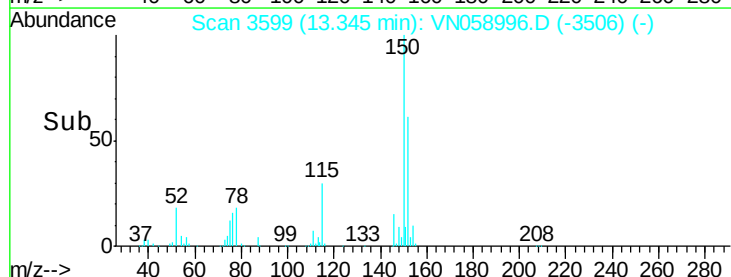
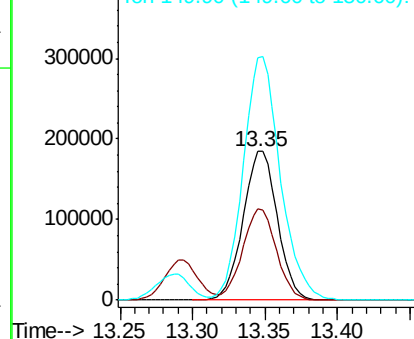
152 100

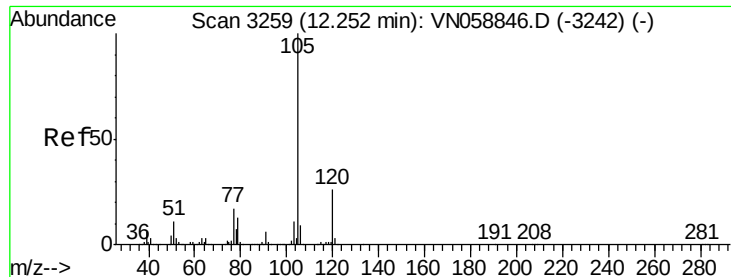
115 60.6 30.5 91.5

150 176.6 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: 54.236 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

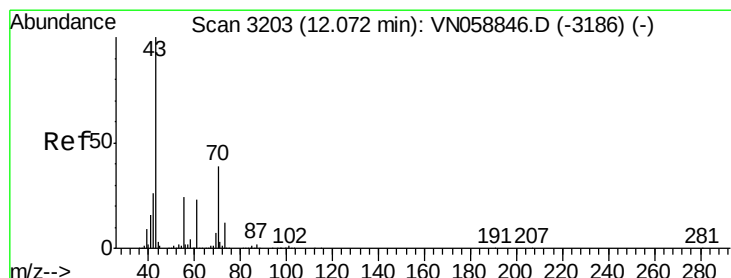
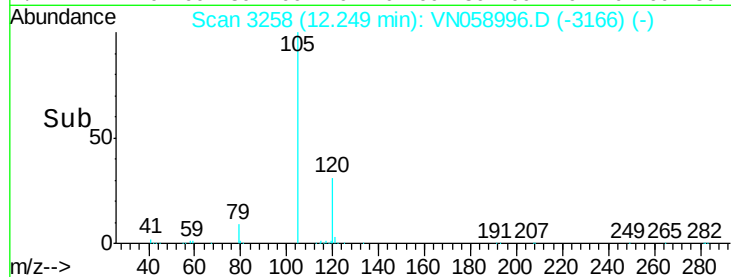
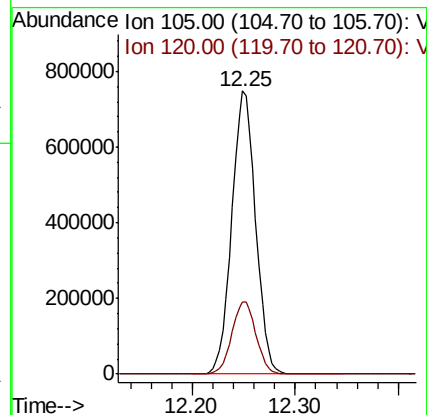
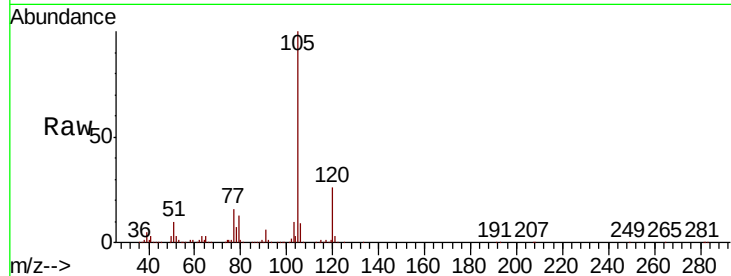
ClientSampleId :

Tot Ion:105 Resp: 1204568

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4



#74

N-ethyl acetate

Concen: 54.445 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Tgt Ion: 43 Resp: 548205

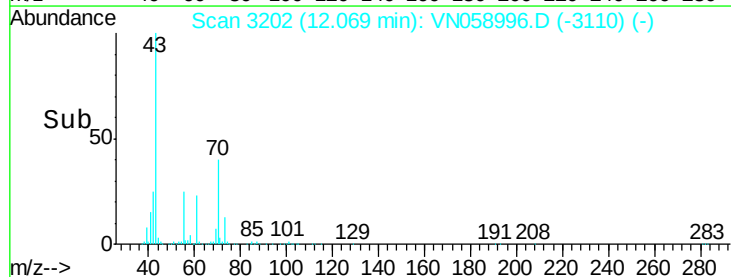
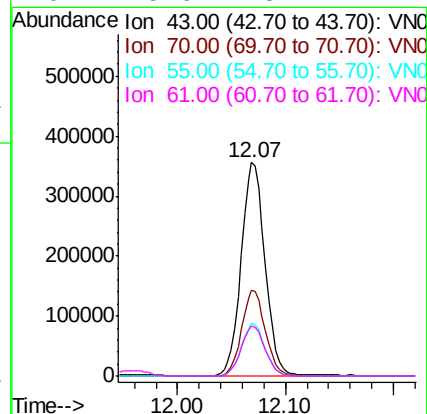
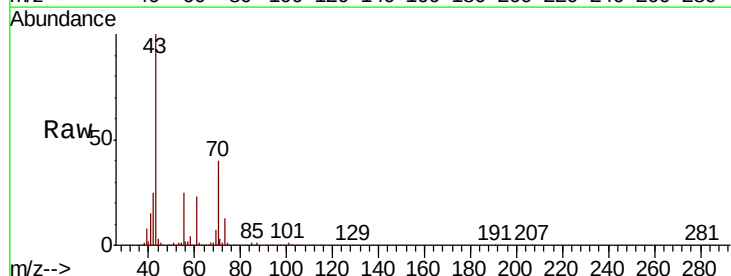
Ion Ratio Lower Upper

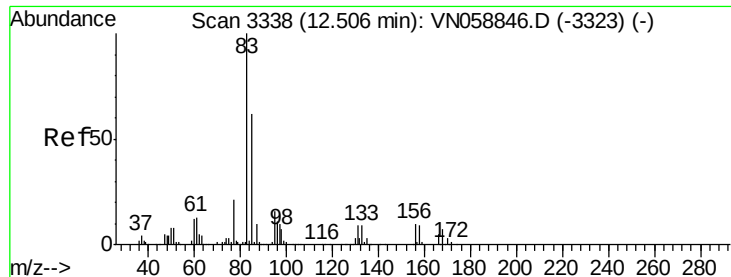
43 100

70 39.8 30.9 46.3

55 24.6 19.7 29.5

61 23.6 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.312 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

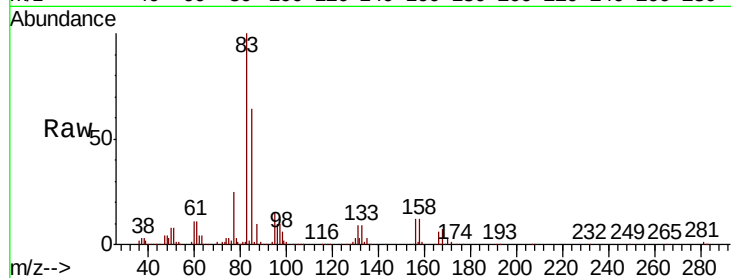
Tot Ion: 83 Resp: 392911

Ion Ratio Lower Upper

83 100

131 9.8 4.7 14.1

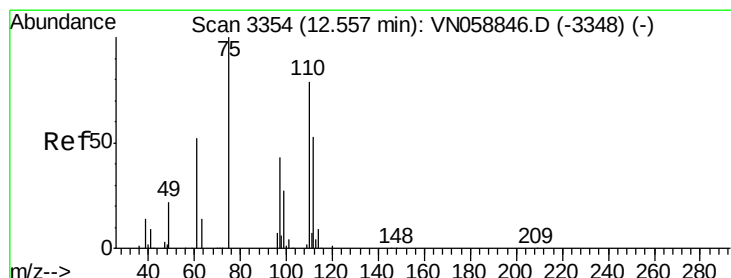
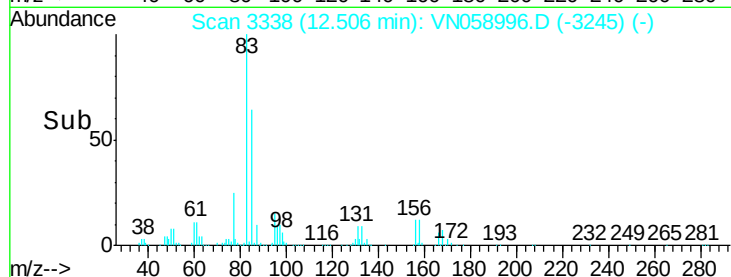
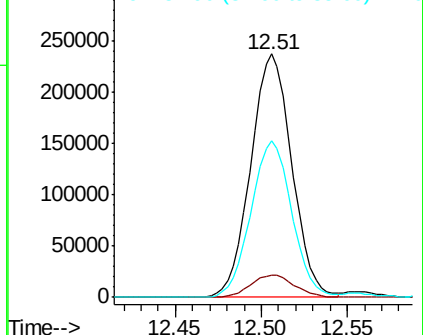
85 63.9 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 75.374 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058996.D

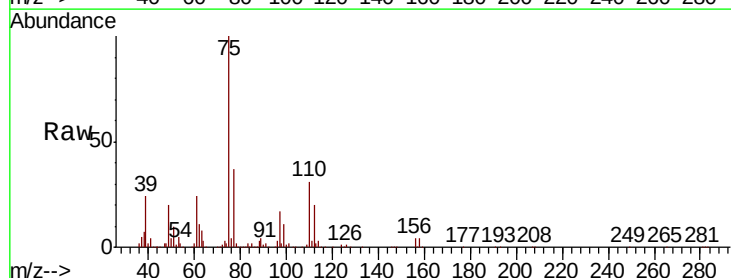
Acq: 29 Oct 2019 9:36

Tgt Ion: 75 Resp: 530886

Ion Ratio Lower Upper

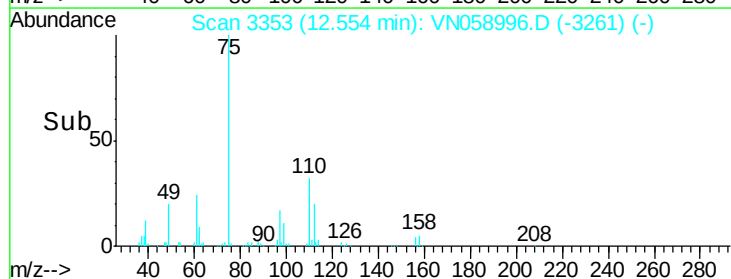
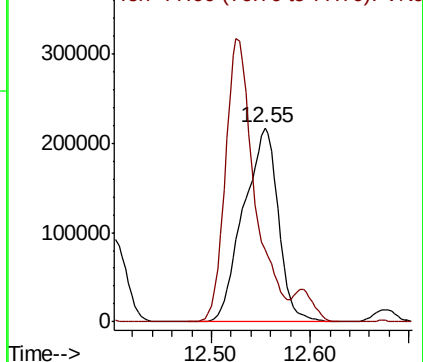
75 100

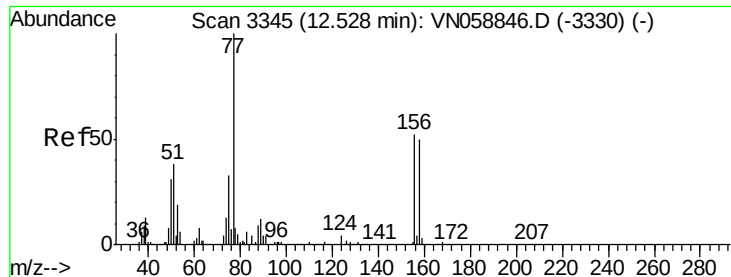
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 52.567 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

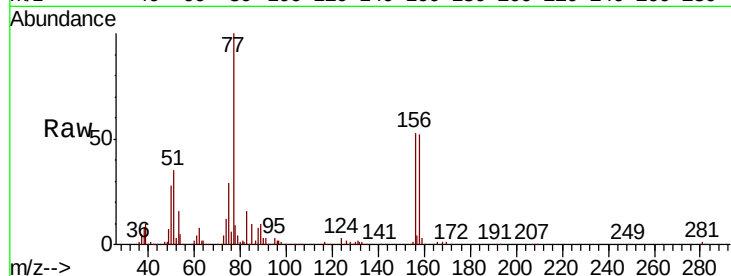
Tot Ion:156 Resp: 287768

Ion Ratio Lower Upper

156 100

77 228.8 118.0 354.0

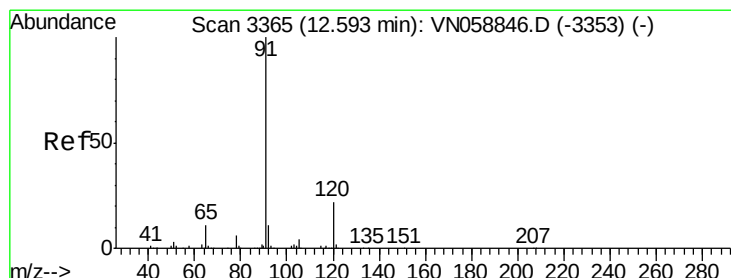
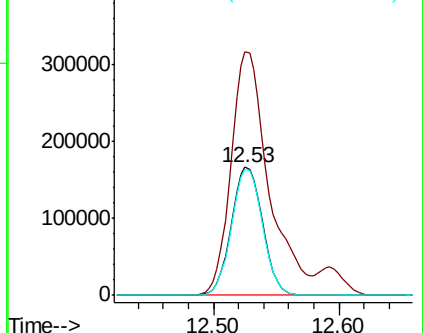
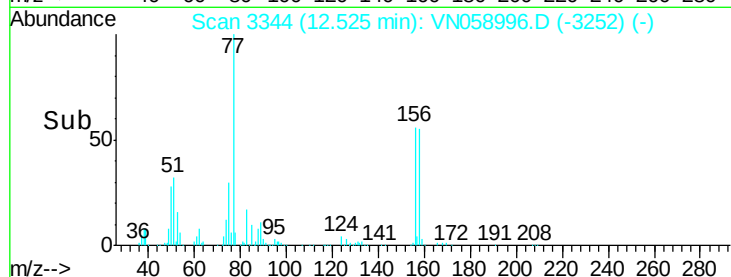
158 97.8 48.3 144.8



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: 55.132 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058996.D

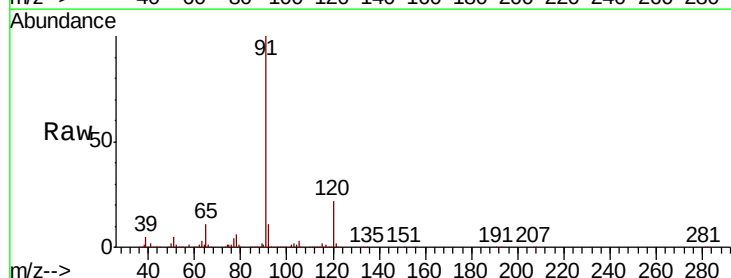
Acq: 29 Oct 2019 9:36

Tgt Ion: 91 Resp: 1447385

Ion Ratio Lower Upper

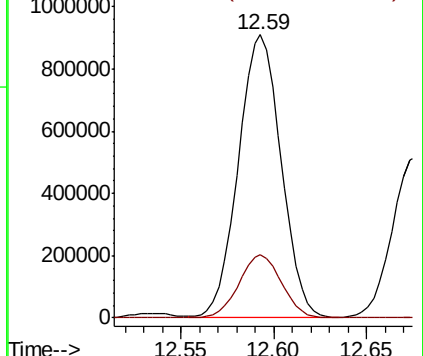
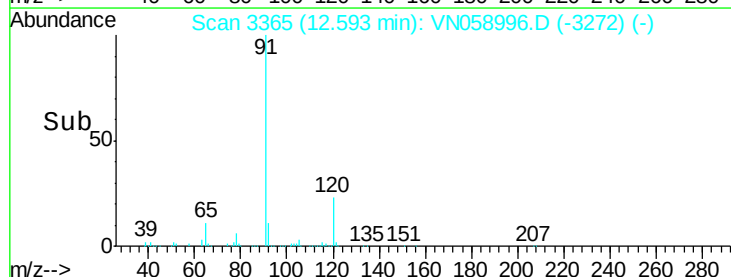
91 100

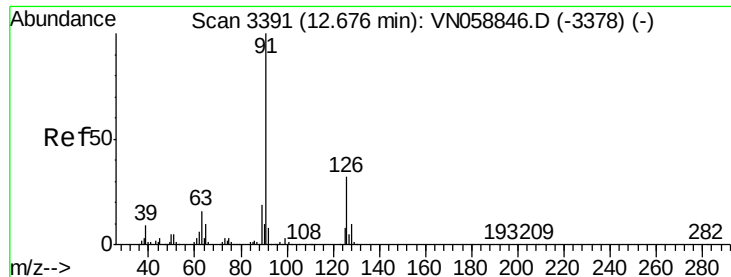
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.632 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

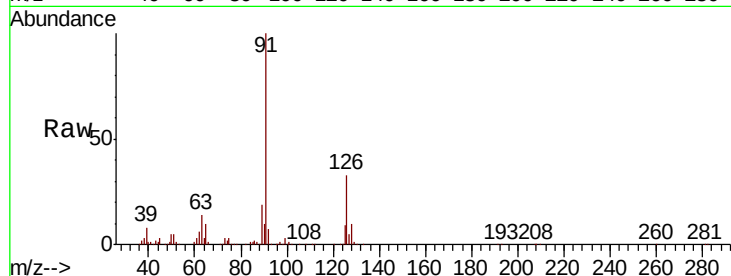
ClientSampled :

Tot Ion: 91 Resp: 845678

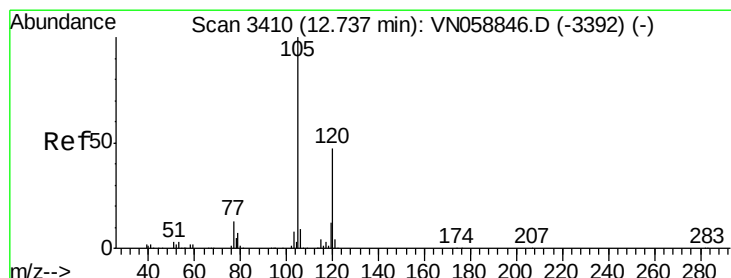
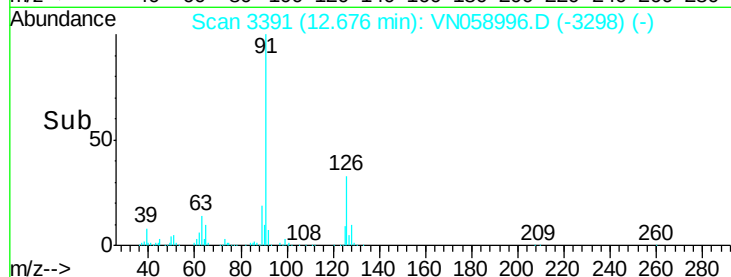
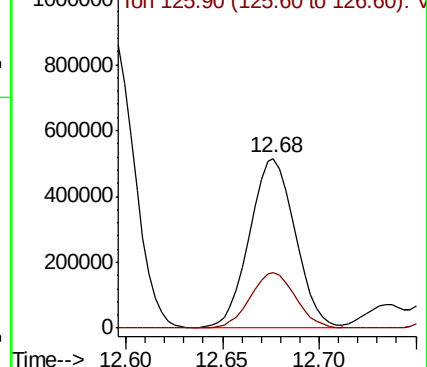
Ion Ratio Lower Upper

91 100

126 32.8 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.601 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058996.D

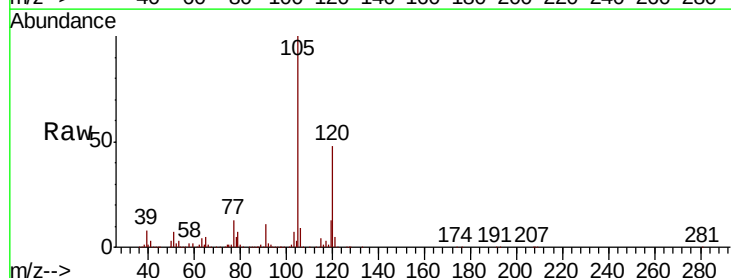
Acq: 29 Oct 2019 9:36

Tgt Ion: 105 Resp: 1037529

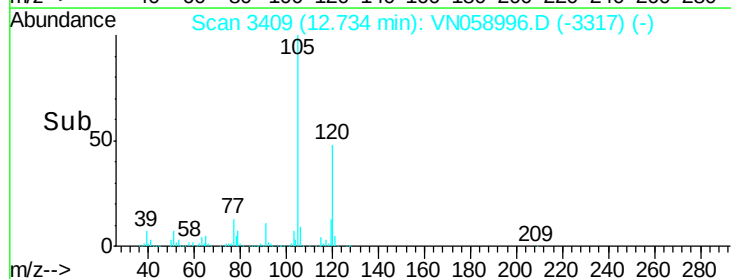
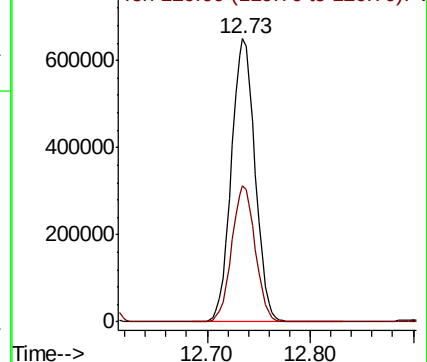
Ion Ratio Lower Upper

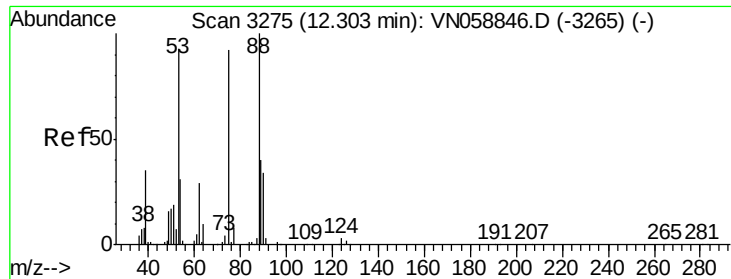
105 100

120 47.8 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

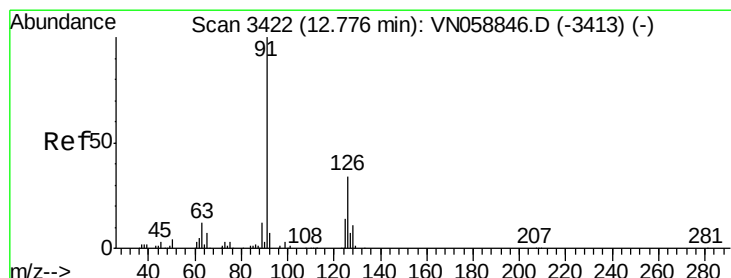
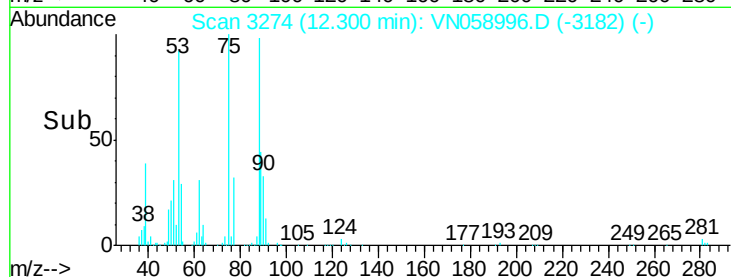
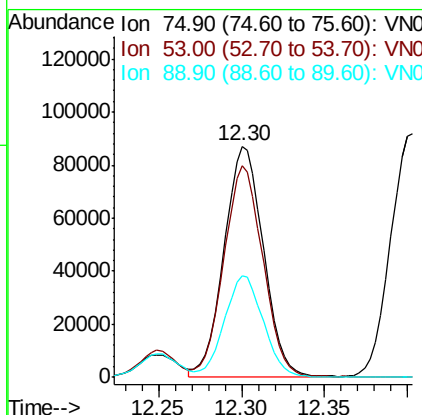
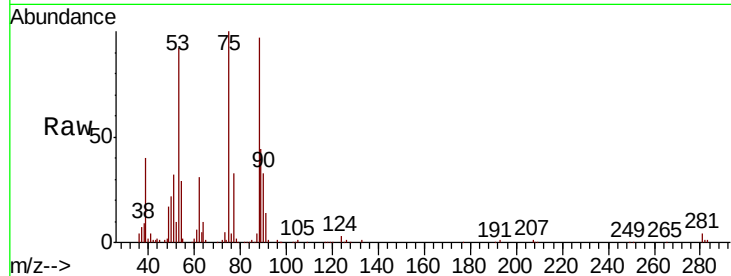




#81
trans-1,4-Dichloro-2-butene
Concen: 52.518 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

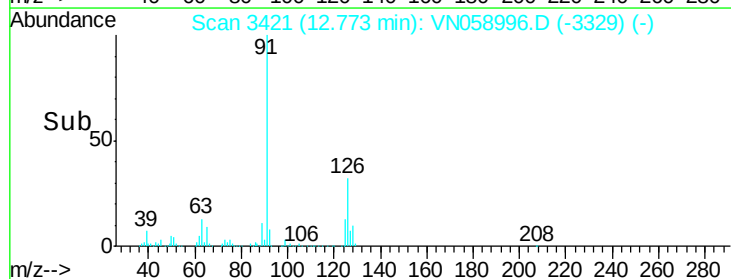
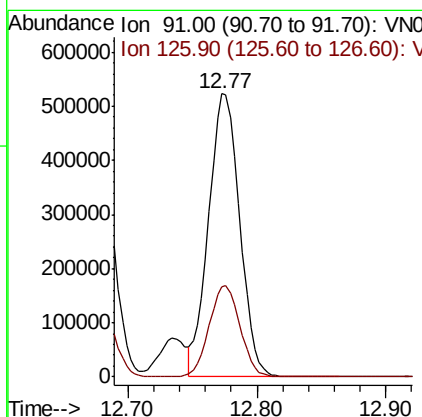
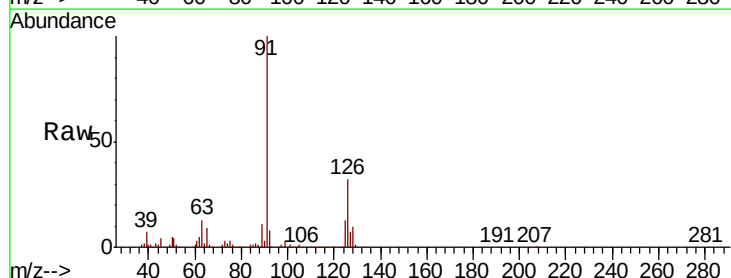
Instrument :
MSVOA_N
ClientSampleId :

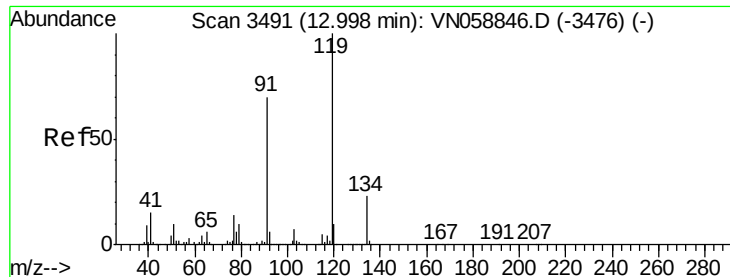
Tot Ion: 75 Resp: 141993
Ion Ratio Lower Upper
75 100
53 92.1 78.6 118.0
89 44.1 35.4 53.0



#82
4-Chlorotoluene
Concen: 53.302 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN058996.D
Acq: 29 Oct 2019 9:36

Tgt Ion: 91 Resp: 875231
Ion Ratio Lower Upper
91 100
126 32.0 16.0 47.9

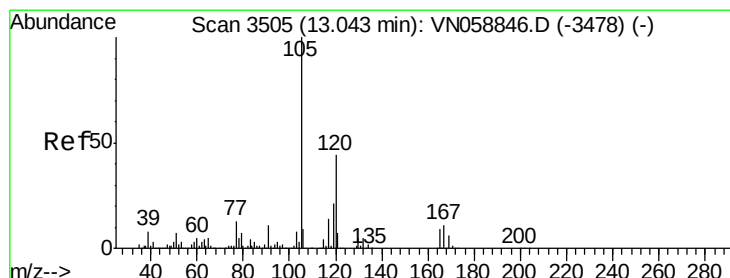
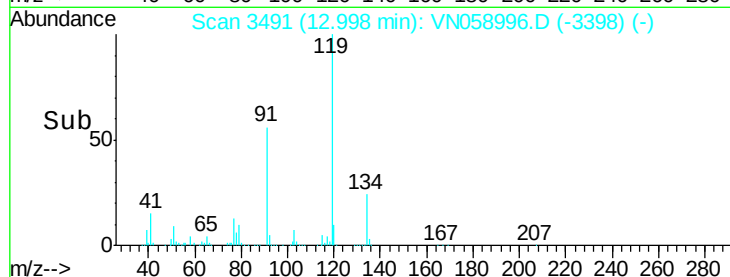
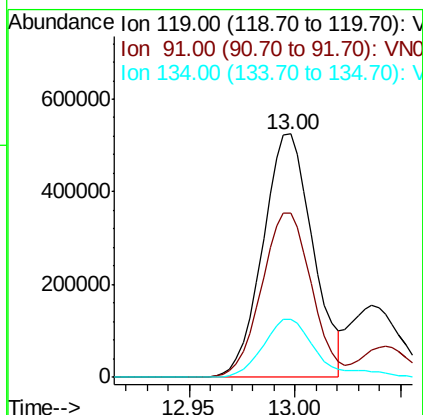
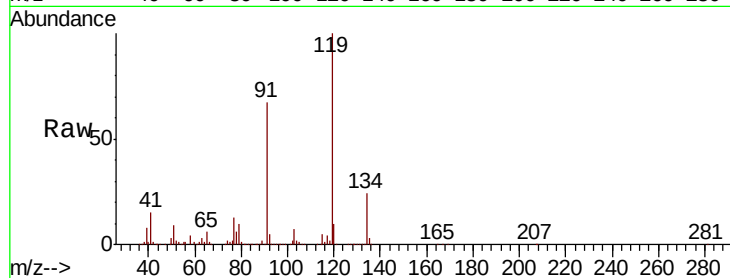




#83
 tert-Butylbenzene
 Concen: 54.200 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058996.D
 Acq: 29 Oct 2019 9:36

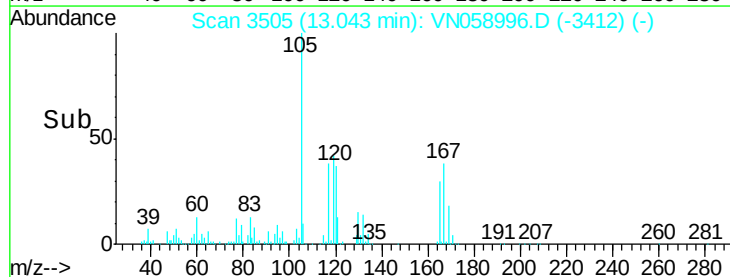
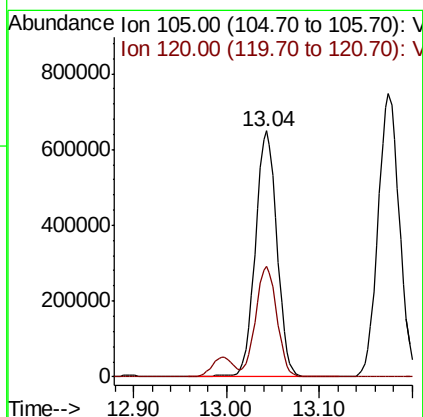
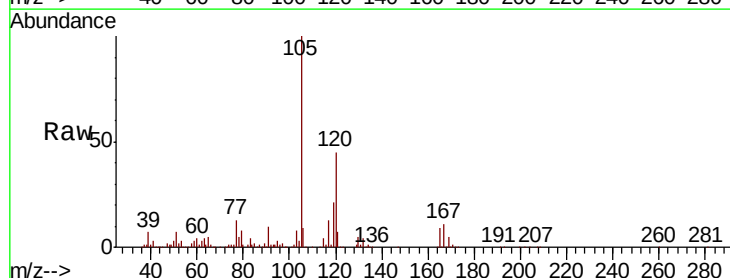
Instrument :
 MSVOA_N
 ClientSampleId :

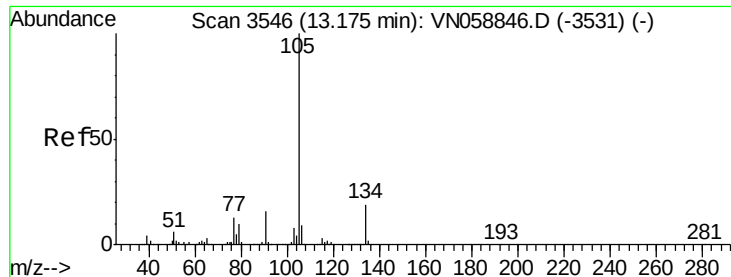
Tot Ion:119 Resp: 864873
 Ion Ratio Lower Upper
 119 100
 91 67.3 34.1 102.3
 134 25.8 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 56.932 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058996.D
 Acq: 29 Oct 2019 9:36

Tgt Ion:105 Resp: 1047852
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.8





#85

sec-Butylbenzene

Concen: 55.973 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

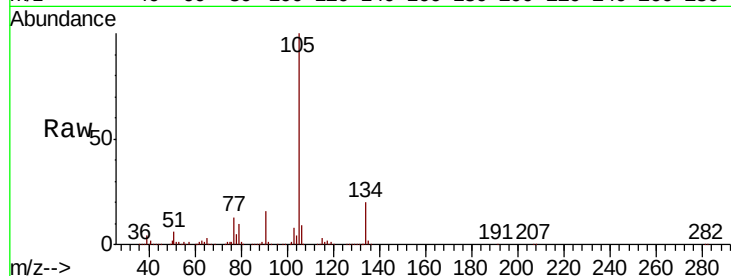
ClientSampleId :

Tot Ion:105 Resp: 1190803

Ion Ratio Lower Upper

105 100

134 19.5 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

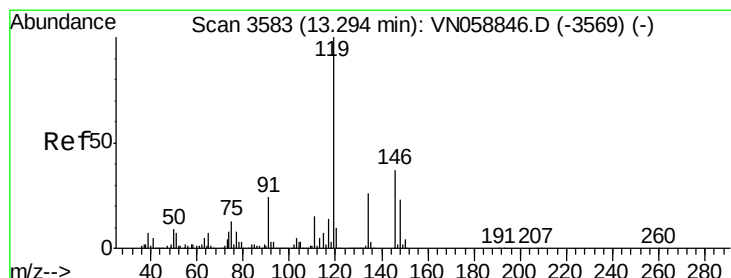
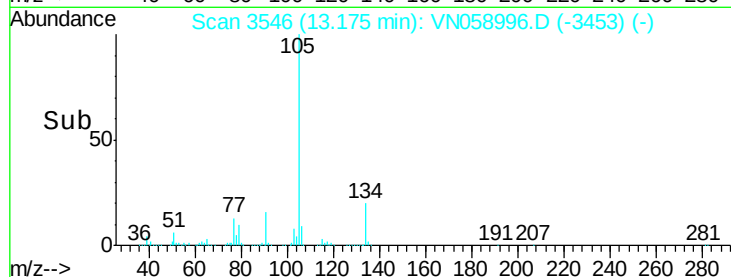
600000

400000

200000

0

Time--> 13.10 13.20



#86

p-Isopropyltoluene

Concen: 57.752 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

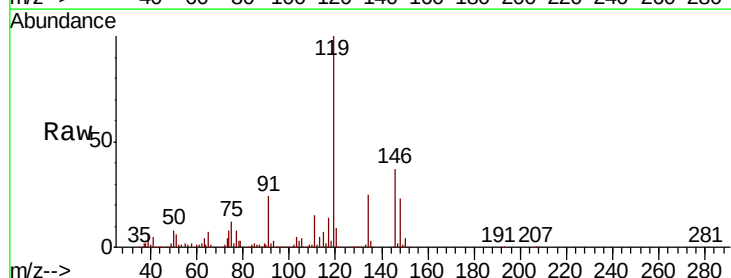
Tgt Ion:119 Resp: 1084107

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 23.6 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

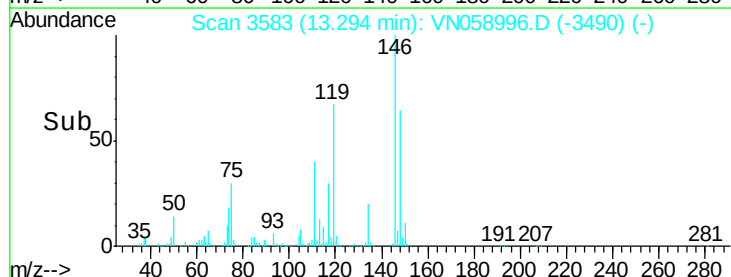
600000

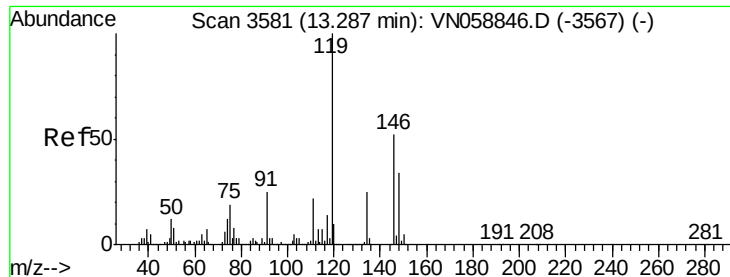
400000

200000

0

Time--> 13.20 13.25 13.30 13.35

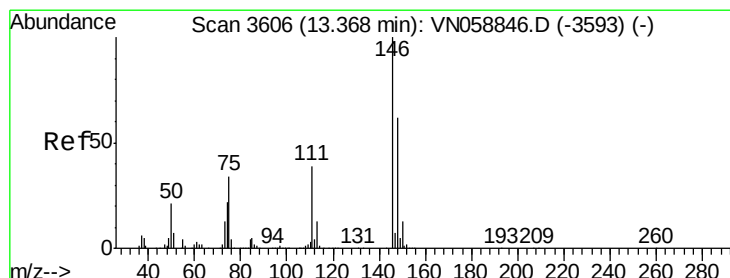
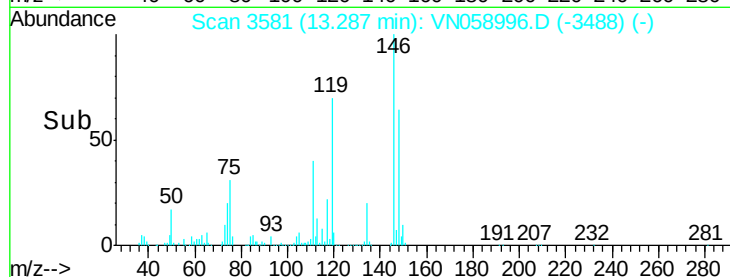
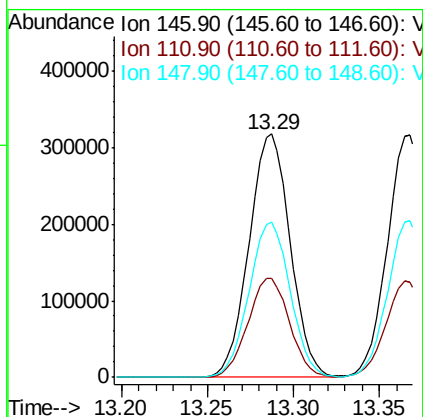
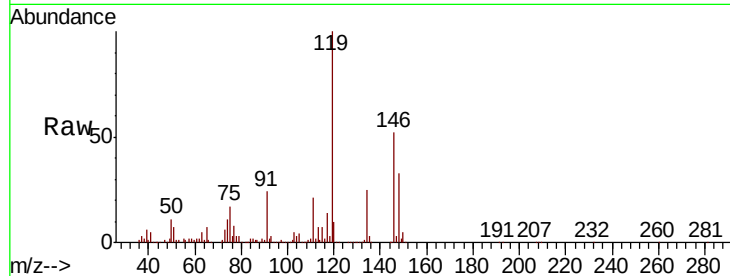




#87
 1,3-Dichlorobenzene
 Concen: 53.800 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058996.D
 Acq: 29 Oct 2019 9:36

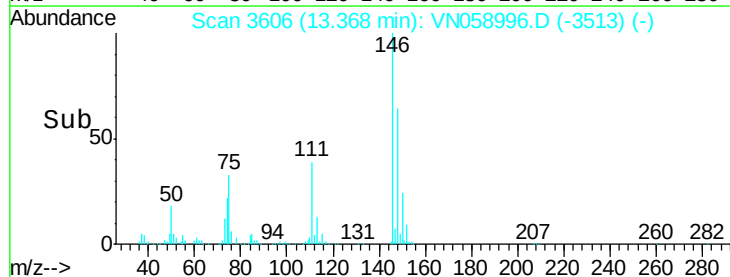
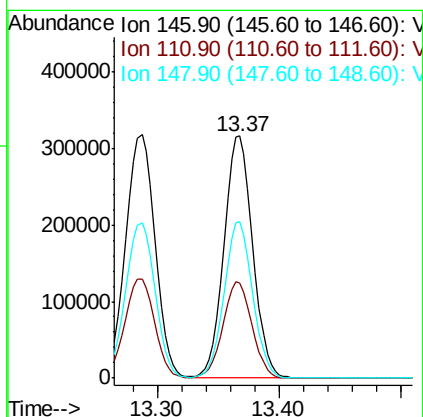
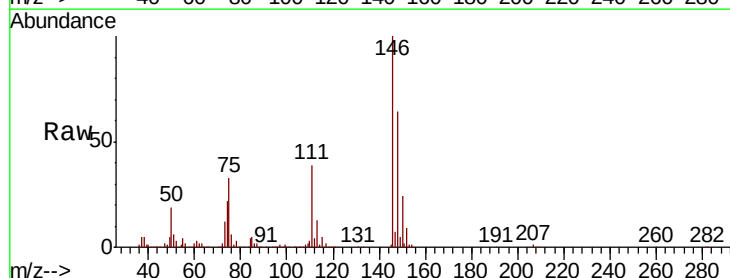
Instrument :
 MSVOA_N
 ClientSampleId :

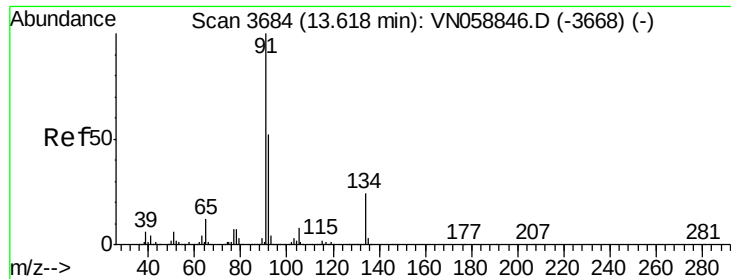
Tot Ion:146 Resp: 526620
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.0 63.0
 148 63.8 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 53.233 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058996.D
 Acq: 29 Oct 2019 9:36

Tgt Ion:146 Resp: 521691
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.2 60.6
 148 64.1 31.6 94.7





#89

n-Butylbenzene

Concen: 57.112 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

ClientSampled :

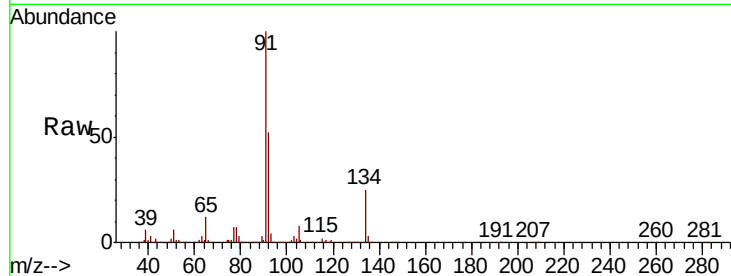
Tot Ion: 91 Resp: 984832

Ion Ratio Lower Upper

91 100

92 52.2 25.7 77.1

134 24.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058996.D (-3684) (-)

Ion 92.00 (91.70 to 92.70): VN058996.D (-3684) (-)

Ion 134.00 (133.70 to 134.70): VN058996.D (-3684) (-)

13.62

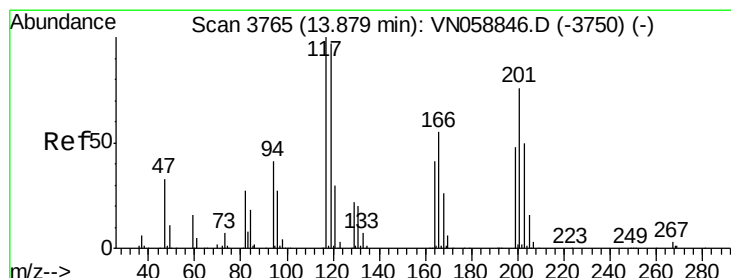
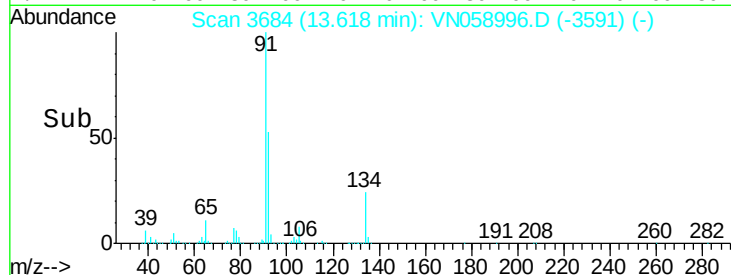
600000

400000

200000

0

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 52.369 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058996.D

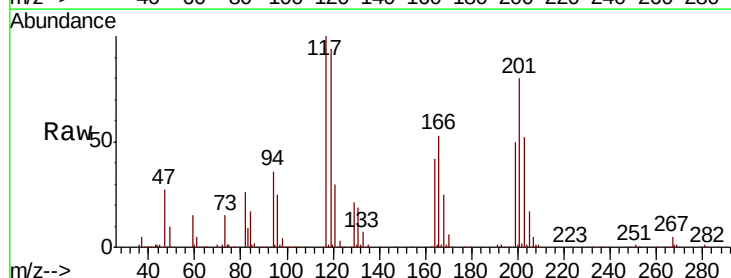
Acq: 29 Oct 2019 9:36

Tgt Ion: 117 Resp: 199202

Ion Ratio Lower Upper

117 100

201 79.2 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058996.D (-3765) (-)

Ion 200.70 (200.40 to 201.40): VN058996.D (-3765) (-)

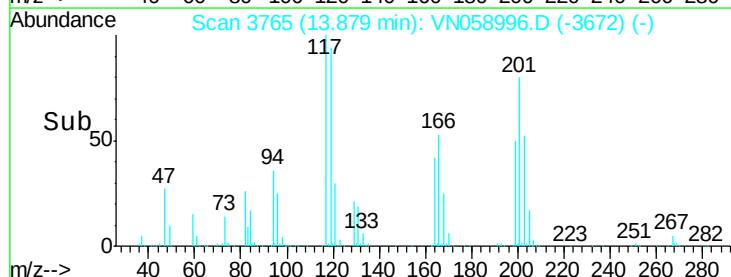
13.88

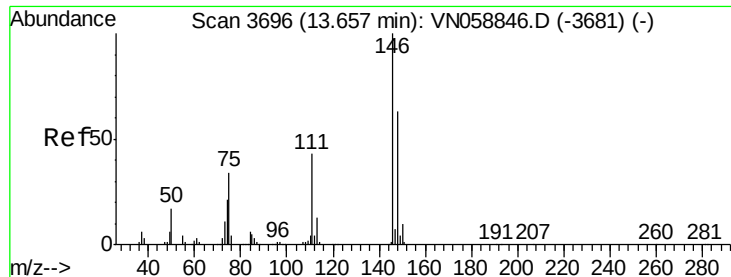
100000

50000

0

Time--> 13.80 13.85 13.90 13.95





#91

1,2-Dichlorobenzene

Concen: 53.962 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

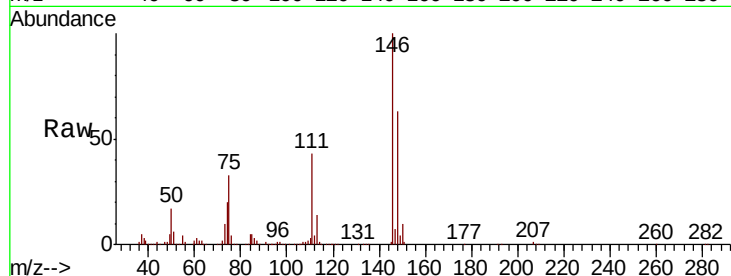
Tot Ion:146 Resp: 519166

Ion Ratio Lower Upper

146 100

111 42.8 21.6 64.8

148 62.8 31.9 95.9

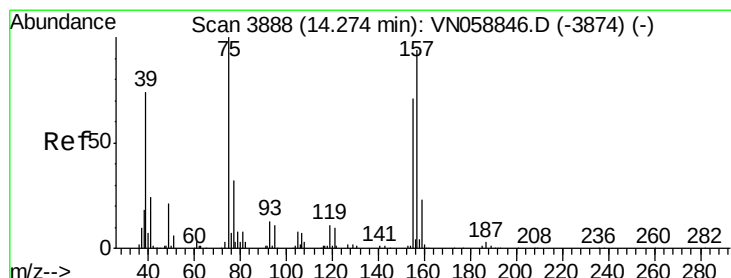
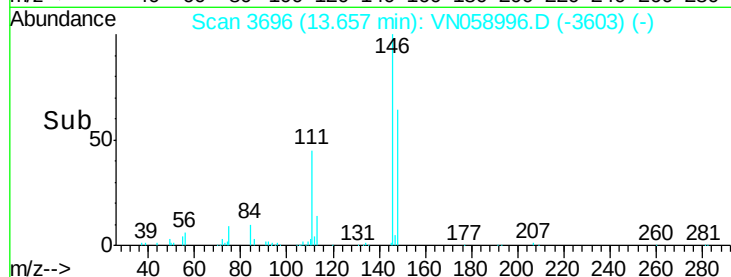
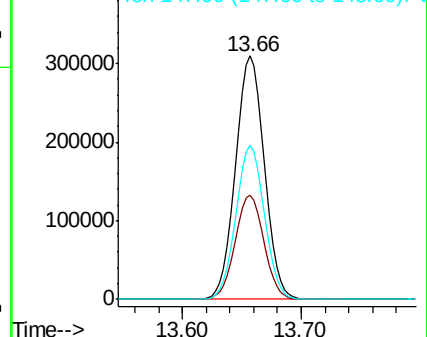


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.421 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

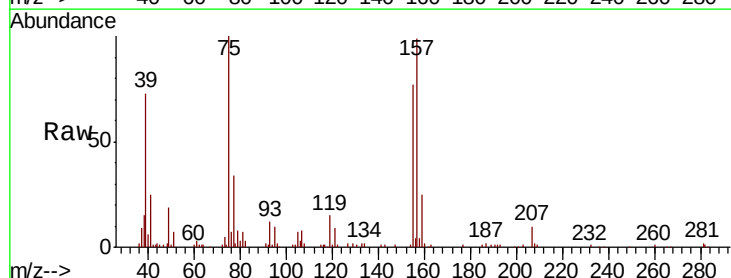
Tgt Ion: 75 Resp: 80228

Ion Ratio Lower Upper

75 100

155 76.3 35.6 106.8

157 99.3 47.4 142.2

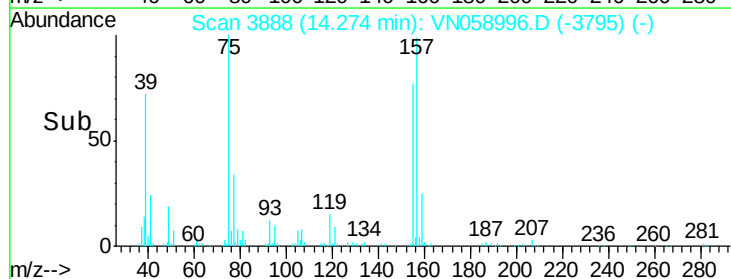
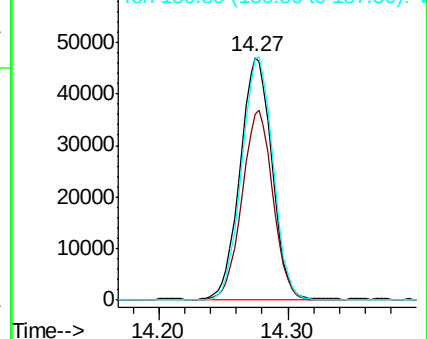


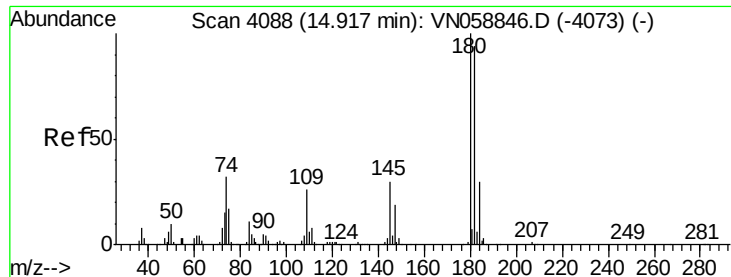
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

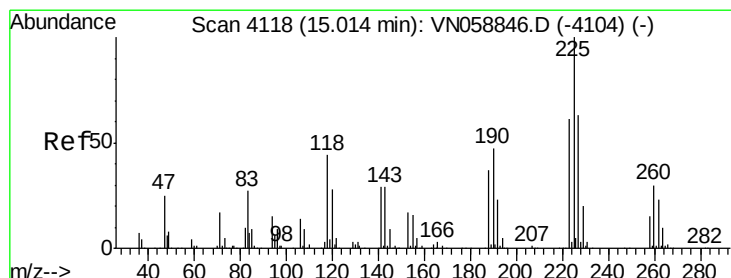
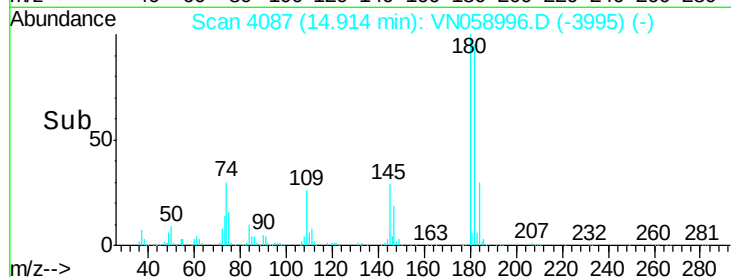
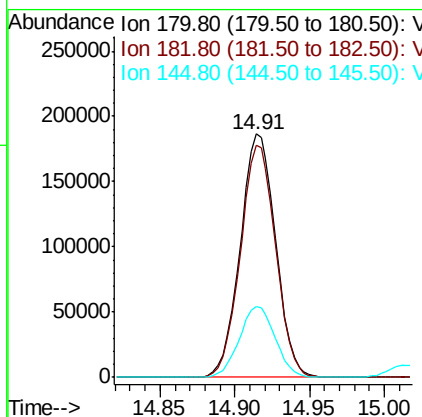
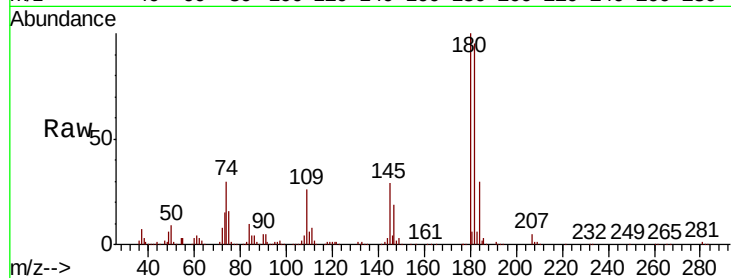




#93
 1,2,4-Trichlorobenzene
 Concen: 50.597 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058996.D
 Acq: 29 Oct 2019 9:36

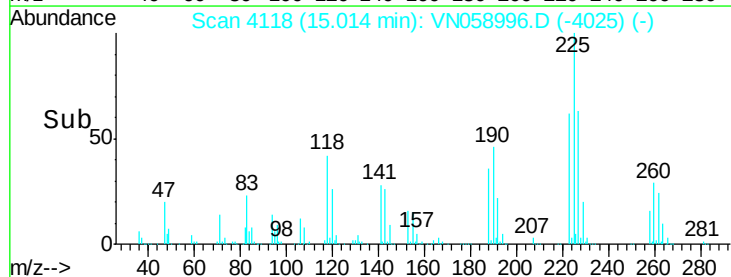
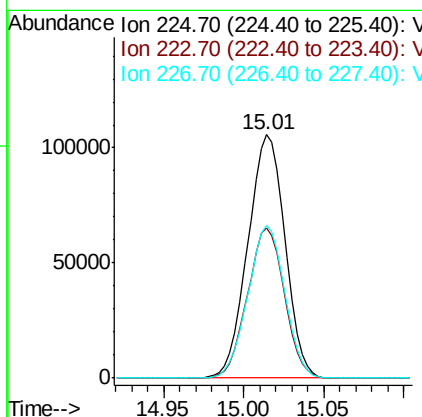
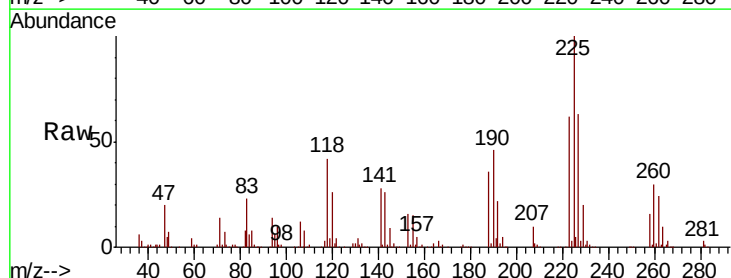
Instrument :
 MSVOA_N
 ClientSampled :

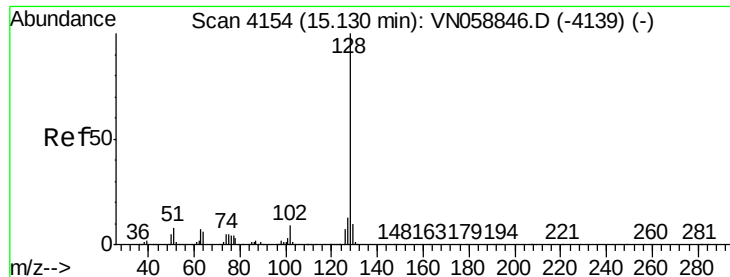
Tot Ion:180 Resp: 306634
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.3 142.0
 145 29.5 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 54.066 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058996.D
 Acq: 29 Oct 2019 9:36

Tgt Ion:225 Resp: 168595
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.9 92.5
 227 62.2 31.6 94.7





#95

Naphthalene

Concen: 47.737 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

Instrument :

MSVOA_N

ClientSampleId :

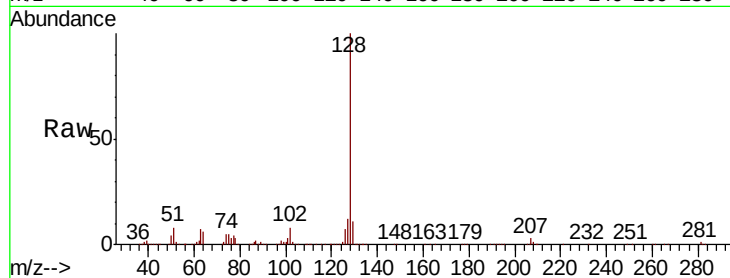
Tot Ion:128 Resp: 829136

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

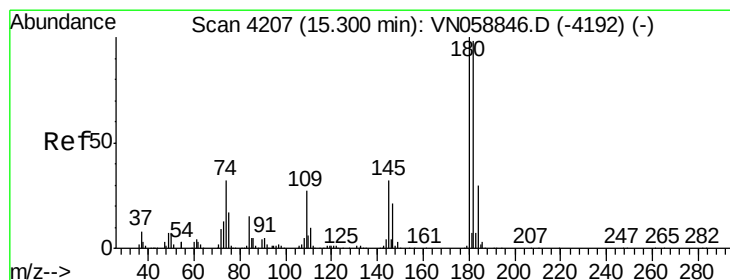
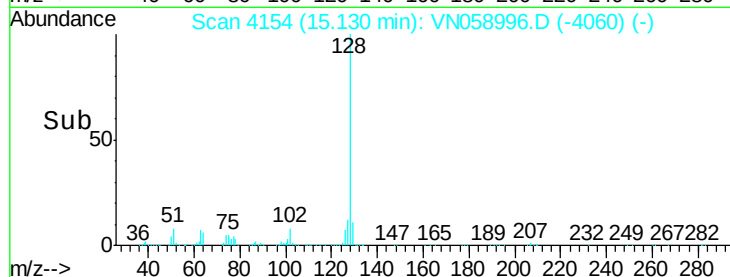
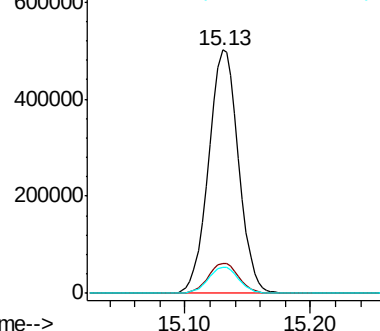
129 10.9 8.4 12.6



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: 49.908 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058996.D

Acq: 29 Oct 2019 9:36

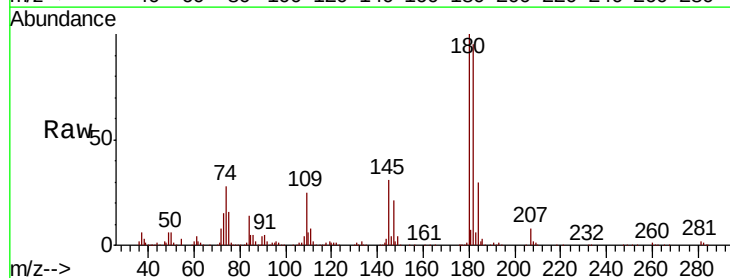
Tgt Ion:180 Resp: 294243

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.7

145 32.0 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

