

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102819\NOT REVIEWED DATA\
 Data File : VN058984.D
 Acq On : 28 Oct 2019 9:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 29 19:30:13 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	405324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	622191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	588152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295816	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	282011	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	7.57	113	212551	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
50) Toluene-d8	10.08	98	816440	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.40	95	306991	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	229658	45.445	ug/l	100
3) Chloromethane	2.04	50	294405	47.038	ug/l	99
4) Vinyl Chloride	2.17	62	303511	48.839	ug/l	100
5) Bromomethane	2.54	94	164524	42.277	ug/l	97
6) Chloroethane	2.68	64	181641	45.578	ug/l	99
7) Trichlorofluoromethane	3.00	101	362671	47.165	ug/l	99
8) Diethyl Ether	3.39	74	139515	52.504	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	212049	49.744	ug/l	99
10) Methyl Iodide	3.93	142	256484	45.747	ug/l	98
11) Tert butyl alcohol	4.76	59	215332	218.279	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	199956	50.043	ug/l	98
13) Acrolein	3.58	56	176651	260.613	ug/l	98
14) Allyl chloride	4.29	41	417130	51.590	ug/l	95
15) Acrylonitrile	4.96	53	631252	254.389	ug/l	98
16) Acetone	3.79	43	751836	255.942	ug/l	98
17) Carbon Disulfide	4.03	76	581242	45.158	ug/l	100
18) Methyl Acetate	4.29	43	329448	49.330	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	737379	52.703	ug/l	100
20) Methylene Chloride	4.53	84	244491	48.743	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	220820	50.042	ug/l	95
22) Diisopropyl ether	5.92	45	863960	54.629	ug/l	97
23) Vinyl Acetate	5.87	43	3475963	273.564	ug/l	100
24) 1,1-Dichloroethane	5.82	63	458717	50.022	ug/l	100
25) 2-Butanone	6.81	43	919178	241.051	ug/l	100
26) 2,2-Dichloropropane	6.80	77	399057	50.310	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	255499	50.685	ug/l	100
28) Bromochloromethane	7.17	49	150280	49.207	ug/l	99
29) Tetrahydrofuran	7.19	42	565780	242.546	ug/l	100
30) Chloroform	7.35	83	447529	48.651	ug/l	99
31) Cyclohexane	7.63	56	397140	46.487	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	381527	49.207	ug/l	99
36) 1,1-Dichloropropene	7.77	75	331663	52.067	ug/l	99
37) Ethyl Acetate	6.90	43	351864	50.695	ug/l	99
38) Carbon Tetrachloride	7.75	117	333636	50.842	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	377041	52.715	ug/l	99
40) Benzene	8.02	78	1004832	53.719	ug/l	100
41) Methacrylonitrile	7.18	41	507737	164.247	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	361496	50.170	ug/l	100
43) Isopropyl Acetate	8.15	43	576832	51.820	ug/l	100
44) Trichloroethene	8.82	130	239936	52.658	ug/l	99
45) 1,2-Dichloropropane	9.10	63	276852	53.975	ug/l	99
46) Dibromomethane	9.19	93	168504	51.966	ug/l	98
47) Bromodichloromethane	9.39	83	354905	53.104	ug/l	99
48) Methyl methacrylate	9.19	41	263310	52.137	ug/l	97
49) 1,4-Dioxane	9.19	88	84819	1023.074	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1775507	273.077	ug/l	99
52) Toluene	10.15	92	606905	54.713	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	403401	54.525	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	434783	55.006	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	240319	52.591	ug/l	98
56) Ethyl methacrylate	10.42	69	376142	49.045	ug/l	97
57) 1,3-Dichloropropane	10.70	76	426658	53.198	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	881584	271.485	ug/l	100
59) 2-Hexanone	10.75	43	1351909	269.080	ug/l	98
60) Dibromochloromethane	10.90	129	266586	54.201	ug/l	98
61) 1,2-Dibromoethane	11.00	107	246686	52.751	ug/l	100
64) Tetrachloroethene	10.63	164	215923	52.421	ug/l	97
65) Chlorobenzene	11.43	112	639985	53.448	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	242866	53.749	ug/l	100
67) Ethyl Benzene	11.51	91	1187427	56.530	ug/l	99
68) m/p-Xylenes	11.62	106	876684	112.544	ug/l	99
69) o-Xylene	11.95	106	417006	56.130	ug/l	99
70) Styrene	11.96	104	704929	51.356	ug/l	99
71) Bromoform	12.13	173	188853	53.899	ug/l #	98
73) Isopropylbenzene	12.25	105	1146232	53.021	ug/l	99
74) N-amyl acetate	12.07	43	499282	50.942	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	367788	48.383	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	491731	71.724	ug/l #	100
77) Bromobenzene	12.53	156	276666	51.921	ug/l	96
78) n-propylbenzene	12.59	91	1371449	53.668	ug/l	100
79) 2-Chlorotoluene	12.68	91	814645	52.087	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	996367	54.855	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	129598	49.244	ug/l	98
82) 4-Chlorotoluene	12.78	91	849406	53.144	ug/l	100
83) tert-Butylbenzene	13.00	119	838771	54.002	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1004719	56.081	ug/l	99
85) sec-Butylbenzene	13.17	105	1139087	55.006	ug/l	98
86) p-Isopropyltoluene	13.29	119	1036743	56.739	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	507408	53.255	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	500720	52.490	ug/l	99
89) n-Butylbenzene	13.62	91	937230	55.837	ug/l	100
90) Hexachloroethane	13.88	117	188968	51.037	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	497335	53.107	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74342	43.239	ug/l	98

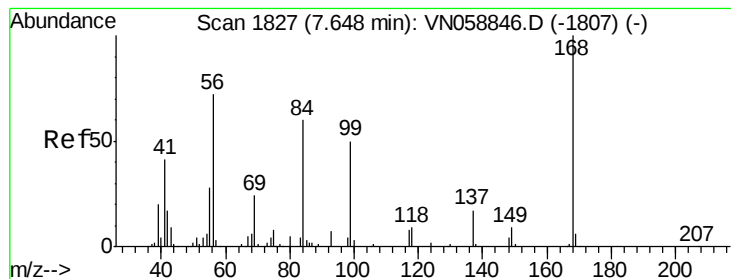
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	292394	49.618	ug/l	100
94) Hexachlorobutadiene	15.01	225	158164	52.108	ug/l	99
95) Naphthalene	15.13	128	770515	45.676	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	281793	49.142	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

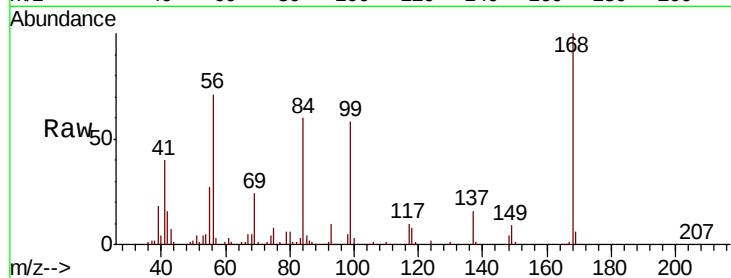
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 405324

Ion Ratio Lower Upper

168 100

99 57.5 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

150000

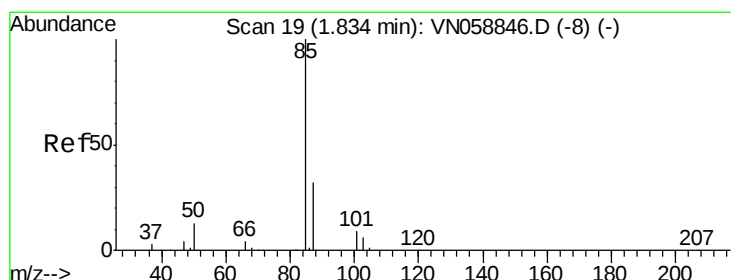
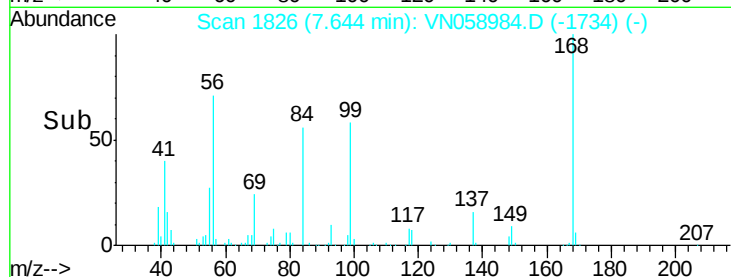
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.445 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058984.D

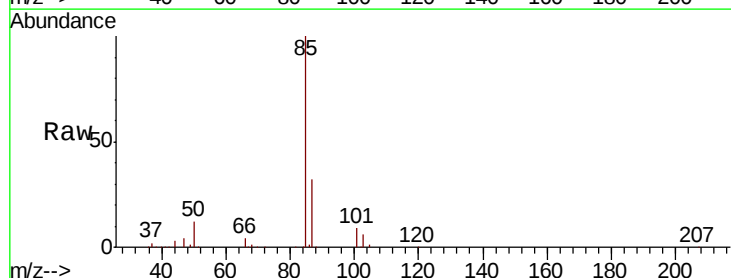
Acq: 28 Oct 2019 9:33

Tgt Ion: 85 Resp: 229658

Ion Ratio Lower Upper

85 100

87 32.4 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

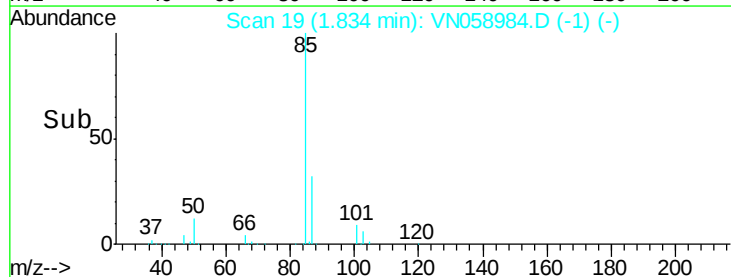
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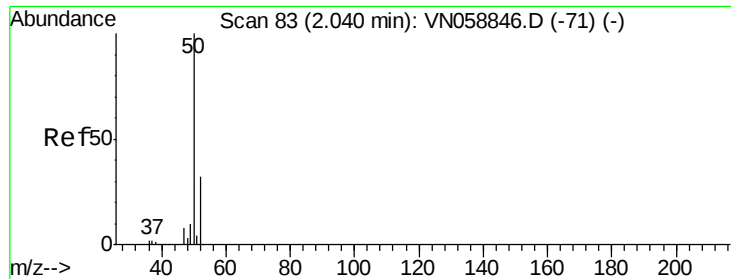
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 47.038 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

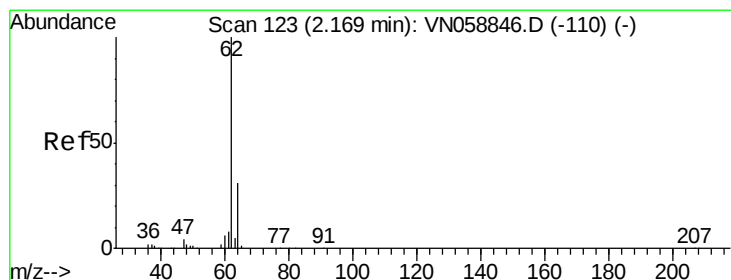
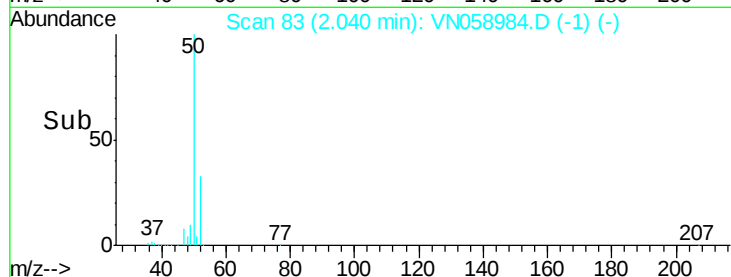
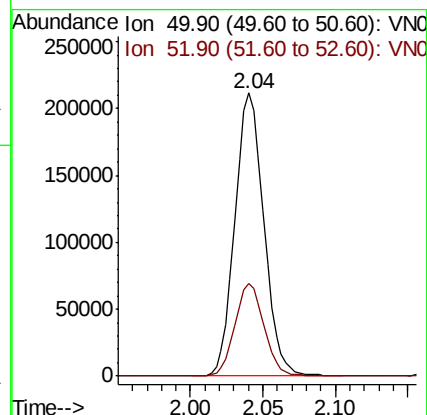
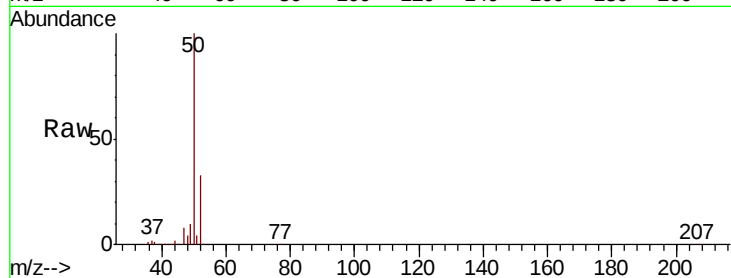
ClientSampleId :

Tot Ion: 50 Resp: 294405

Ion Ratio Lower Upper

50 100

52 32.9 25.7 38.5



#4

Vinyl Chloride

Concen: 48.839 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058984.D

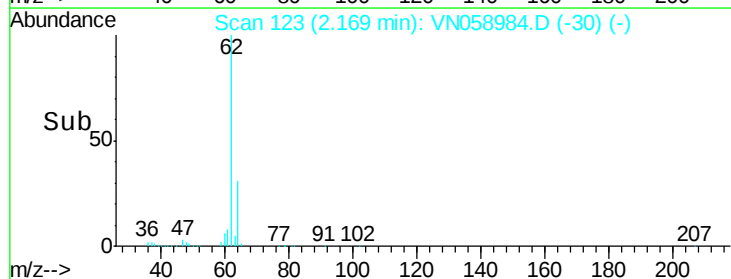
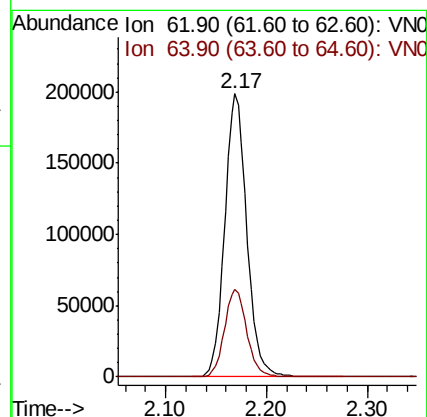
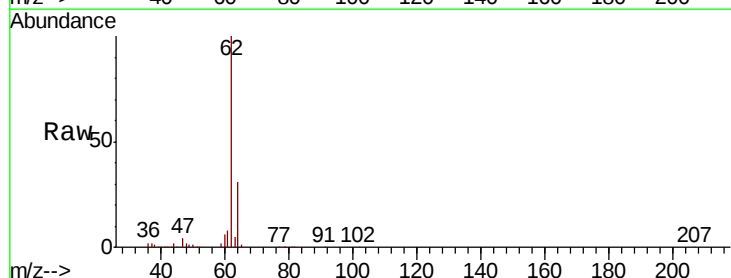
Acq: 28 Oct 2019 9:33

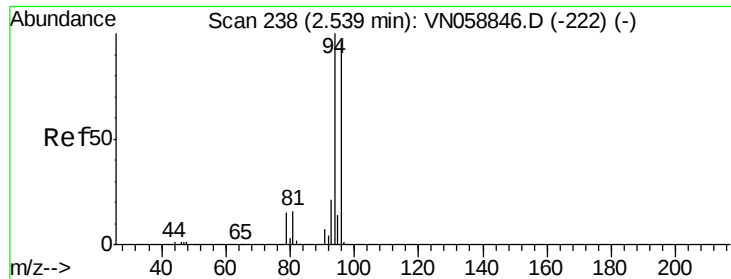
Tgt Ion: 62 Resp: 303511

Ion Ratio Lower Upper

62 100

64 30.8 24.6 36.8





#5

Bromomethane

Concen: 42.277 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

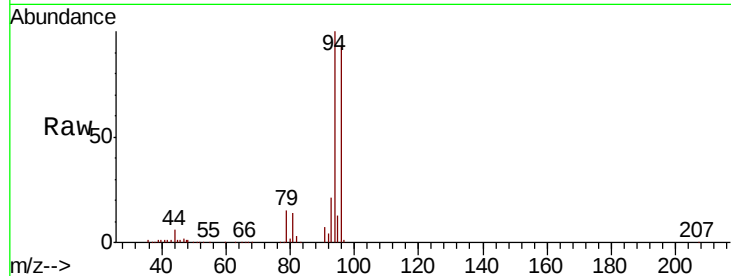
ClientSampled :

Tot Ion: 94 Resp: 164524

Ion Ratio Lower Upper

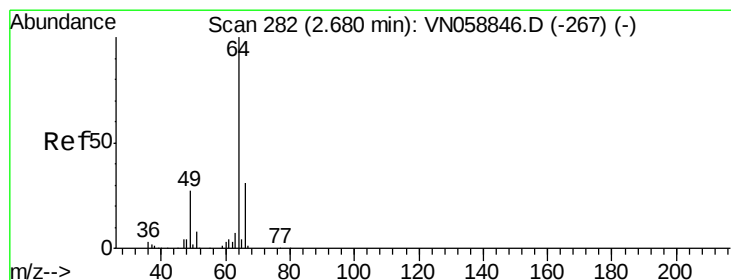
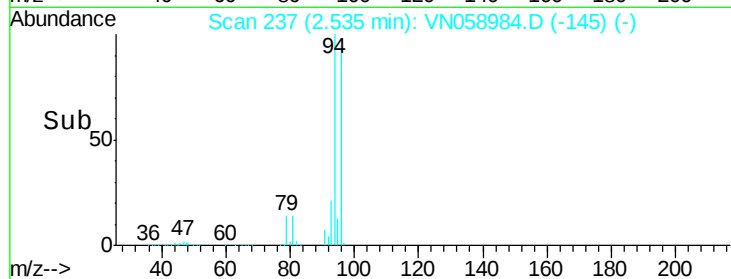
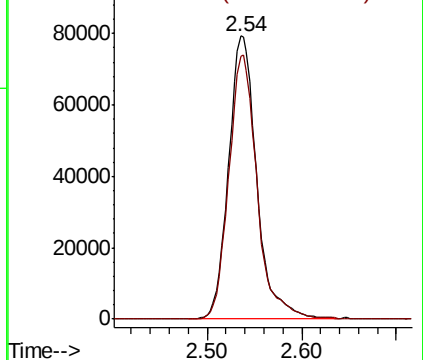
94 100

96 93.1 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 45.578 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058984.D

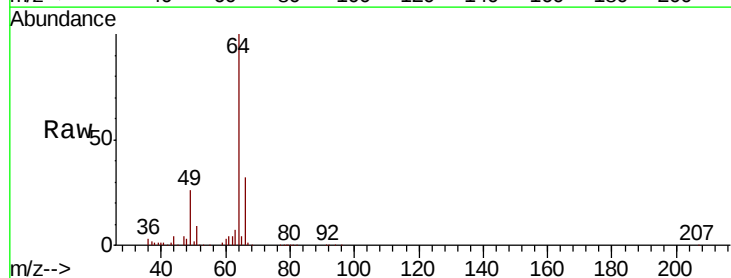
Acq: 28 Oct 2019 9:33

Tgt Ion: 64 Resp: 181641

Ion Ratio Lower Upper

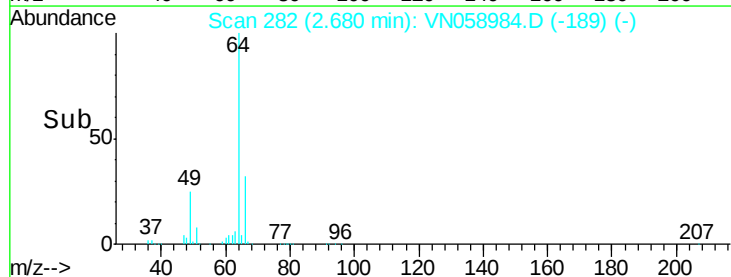
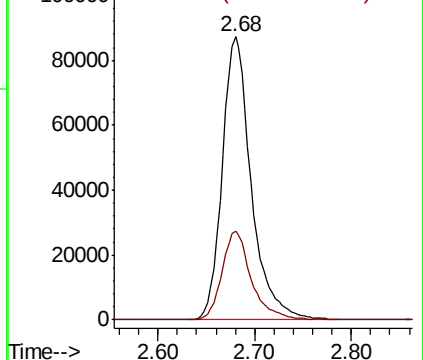
64 100

66 31.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



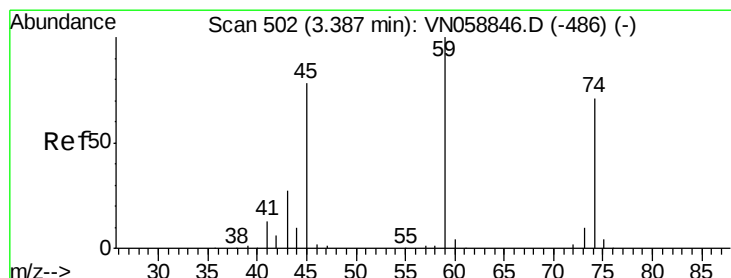
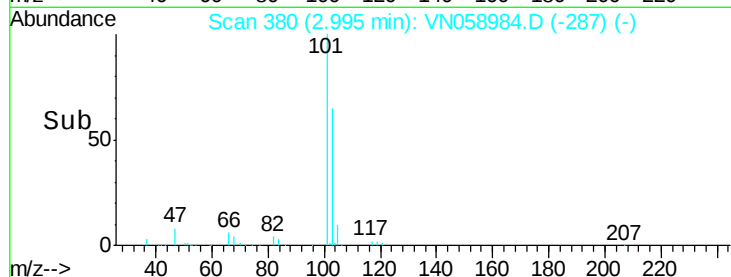
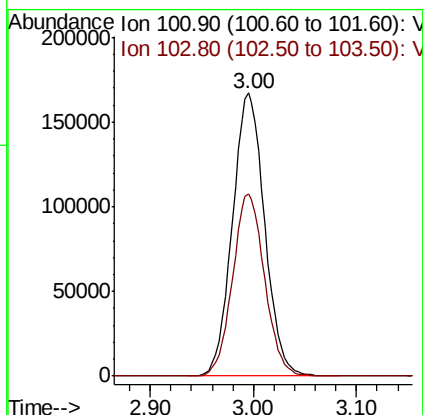
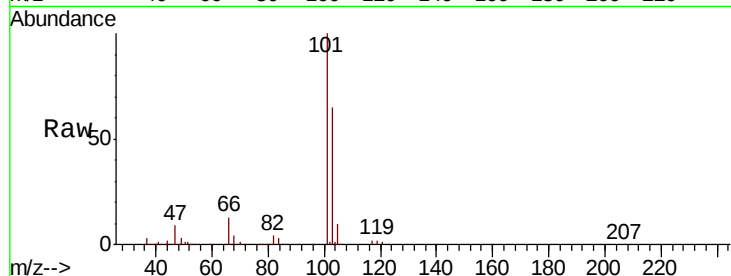


#7

Trichlorofluoromethane
Concen: 47.165 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :

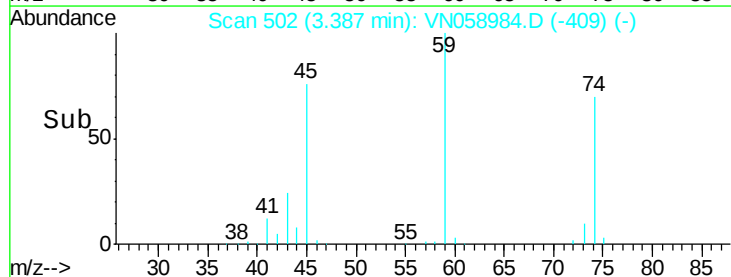
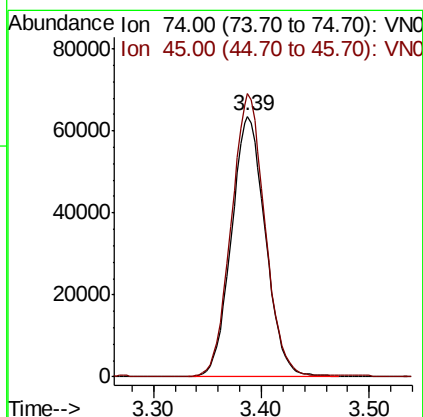
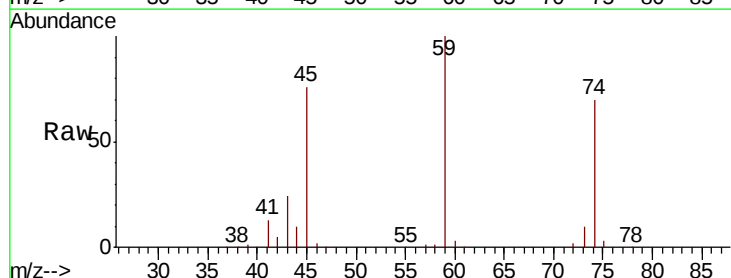
Tot Ion:101 Resp: 362671
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.2

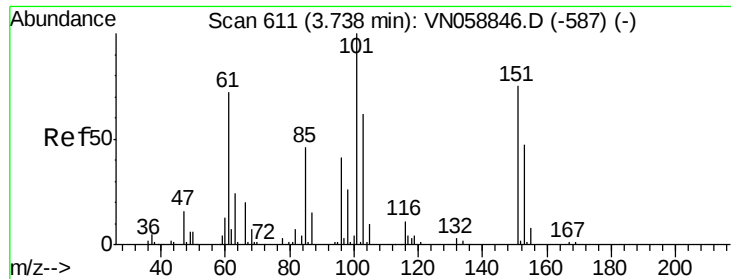


#8

Diethyl Ether
Concen: 52.504 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 74 Resp: 139515
Ion Ratio Lower Upper
74 100
45 108.1 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.744 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampled :

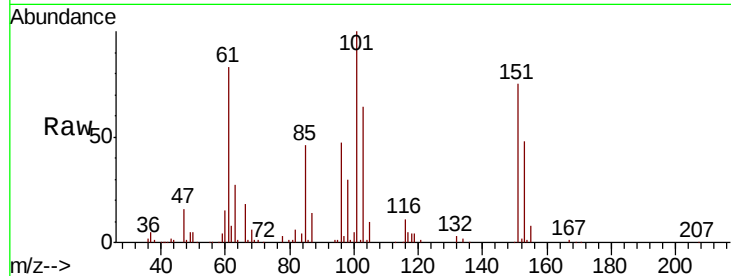
Tot Ion:101 Resp: 212049

Ion Ratio Lower Upper

101 100

85 45.3 37.2 55.8

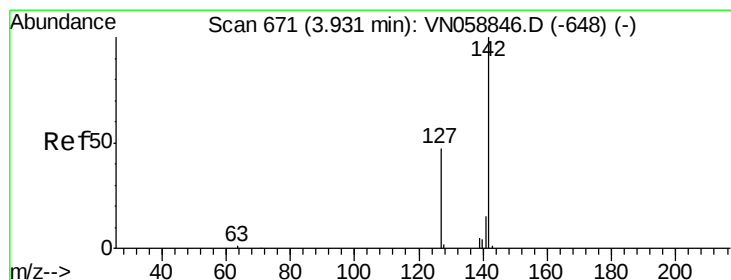
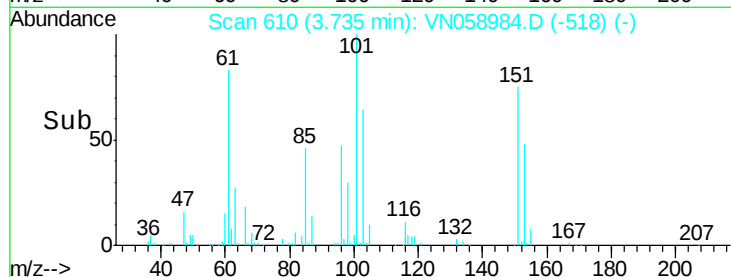
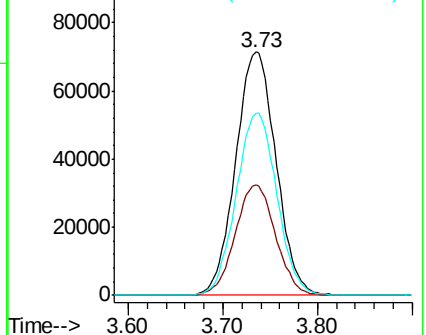
151 75.5 59.9 89.9



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: 45.747 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

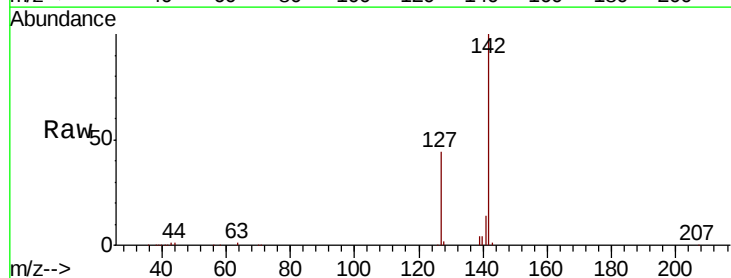
Tgt Ion:142 Resp: 256484

Ion Ratio Lower Upper

142 100

127 44.3 36.6 54.8

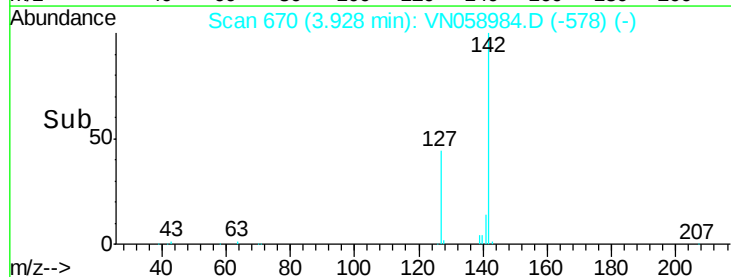
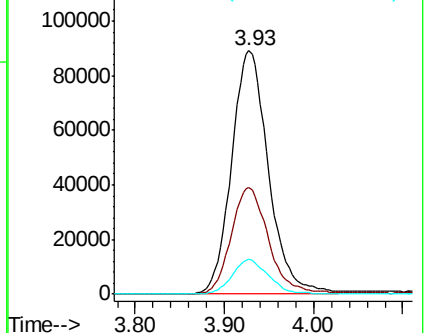
141 14.0 11.4 17.2

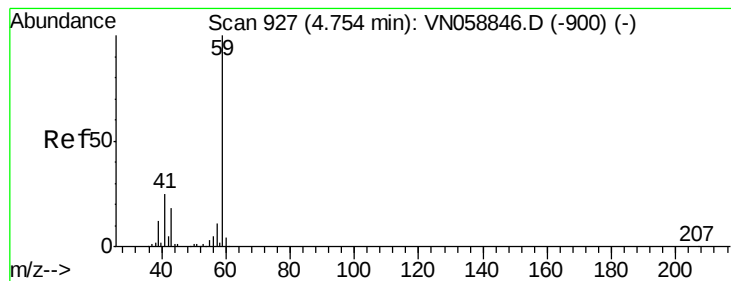


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



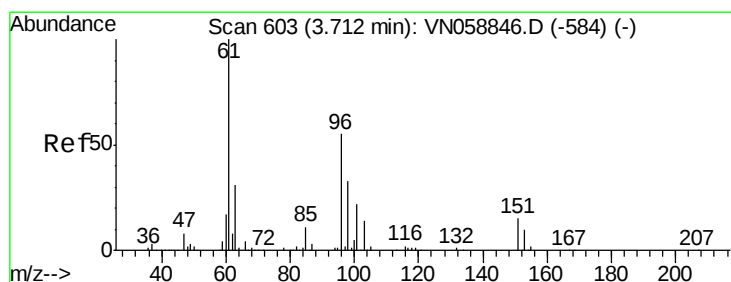
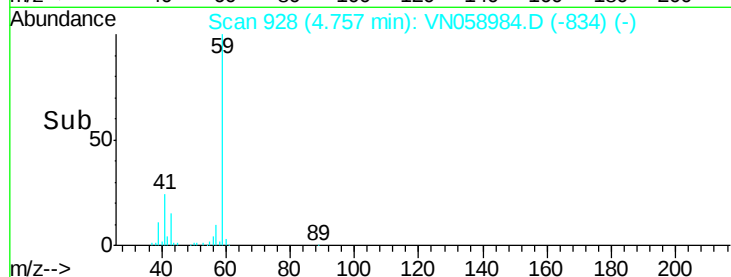
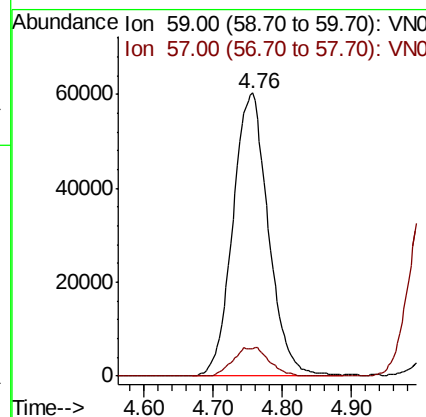
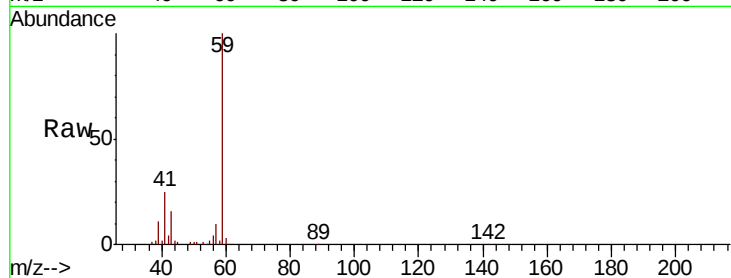


#11

Tert butyl alcohol
Concen: 218.279 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :

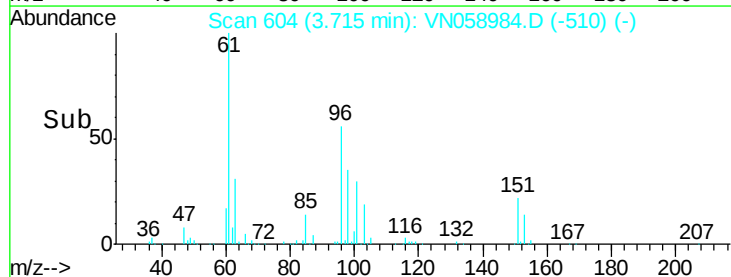
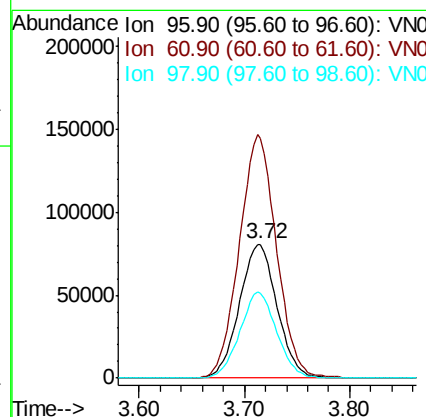
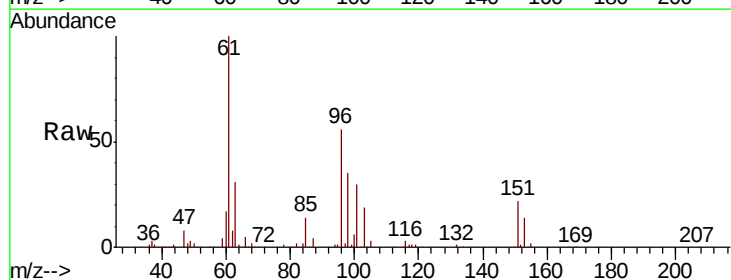
Tot Ion: 59 Resp: 215332
Ion Ratio Lower Upper
59 100
57 5.2 8.6 12.8#

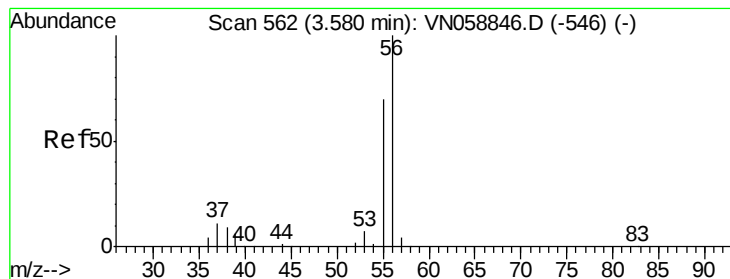


#12

1,1-Dichloroethene
Concen: 50.043 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 96 Resp: 199956
Ion Ratio Lower Upper
96 100
61 179.7 146.2 219.2
98 63.7 48.7 73.1





#13

Acrolein

Concen: 260.613 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

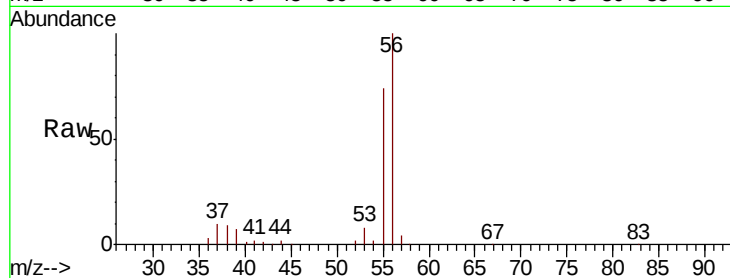
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 176651

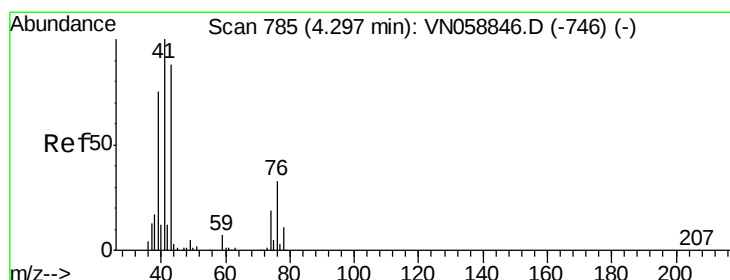
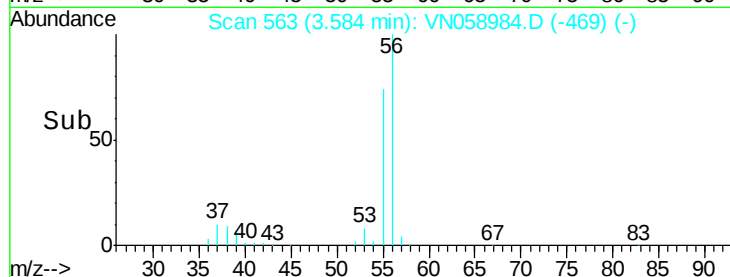
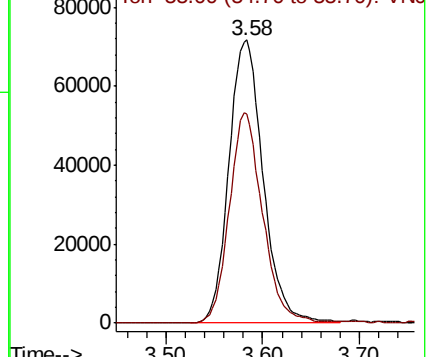
Ion Ratio Lower Upper

56 100

55 72.5 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 51.590 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

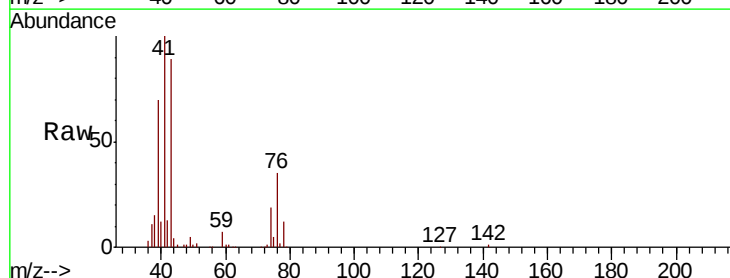
Tgt Ion: 41 Resp: 417130

Ion Ratio Lower Upper

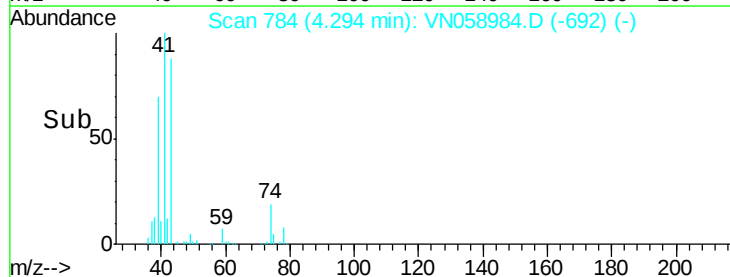
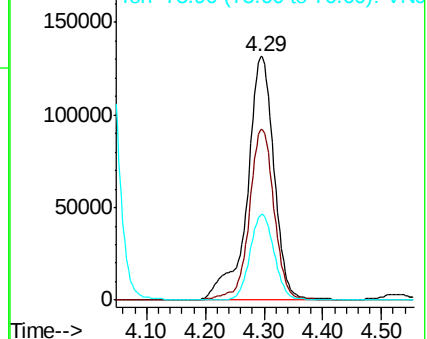
41 100

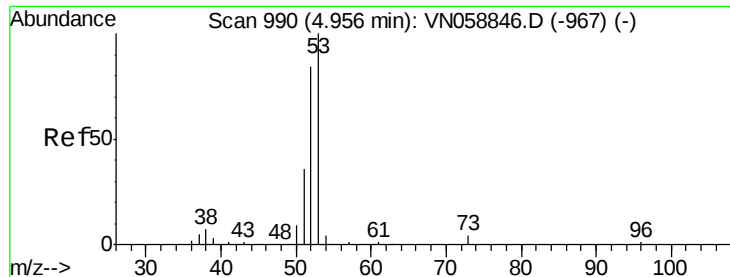
39 64.8 55.9 83.9

76 31.7 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 254.389 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

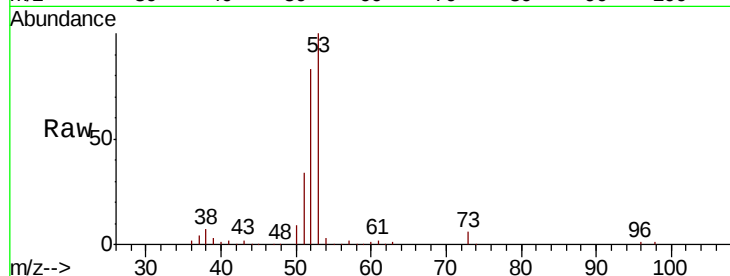
Tot Ion: 53 Resp: 631252

Ion Ratio Lower Upper

53 100

52 81.7 66.6 99.8

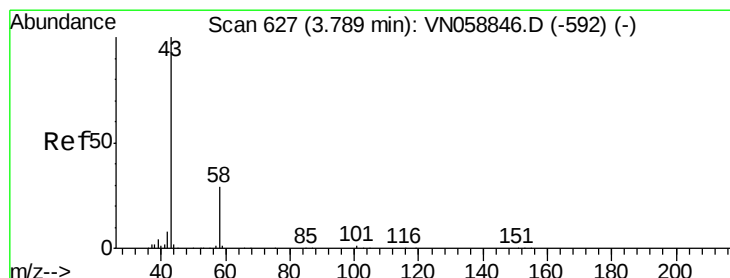
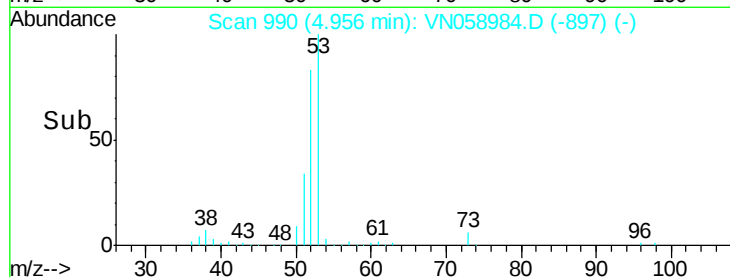
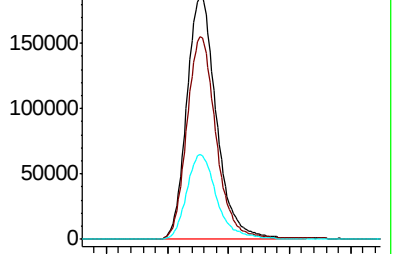
51 35.4 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058846.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058846.D (-967) (-)



#16

Acetone

Concen: 255.942 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN058984.D

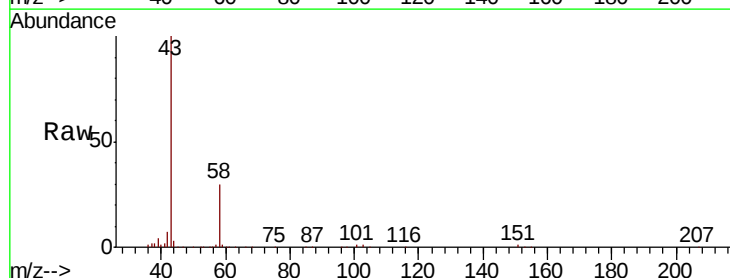
Acq: 28 Oct 2019 9:33

Tgt Ion: 43 Resp: 751836

Ion Ratio Lower Upper

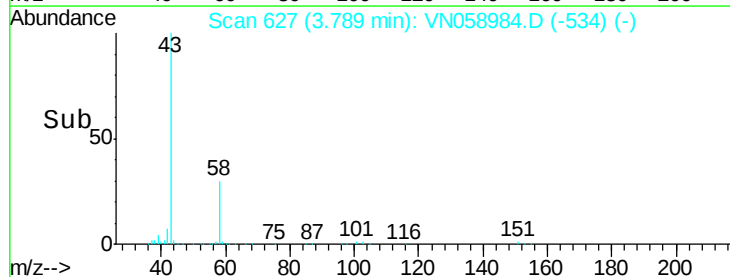
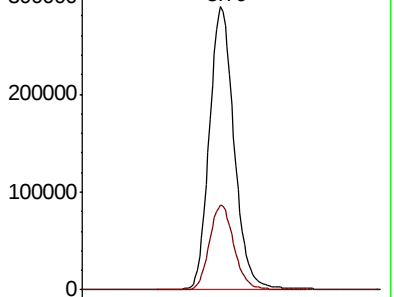
43 100

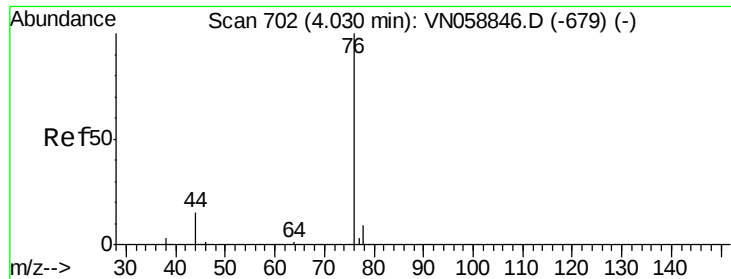
58 29.8 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)

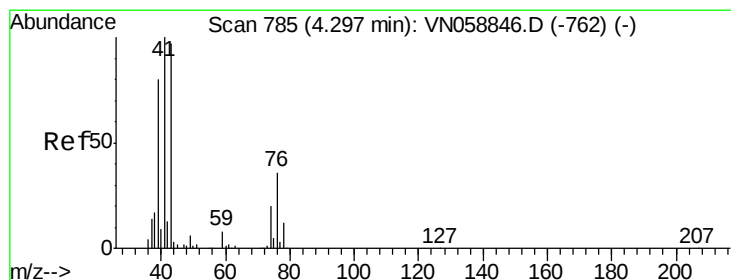
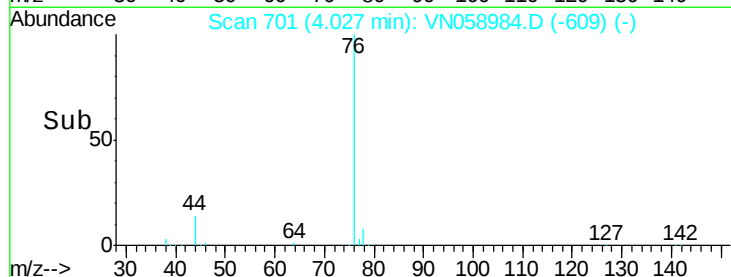
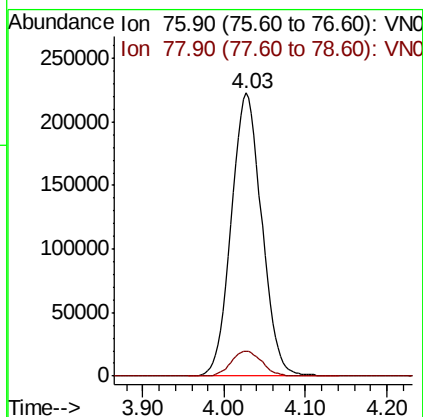
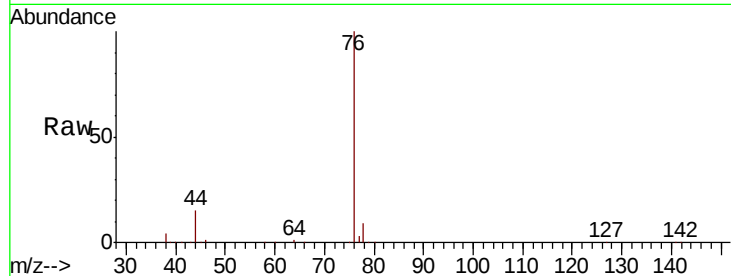




#17
Carbon Disulfide
Concen: 45.158 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

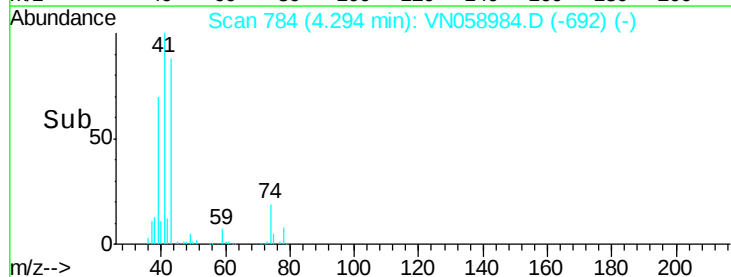
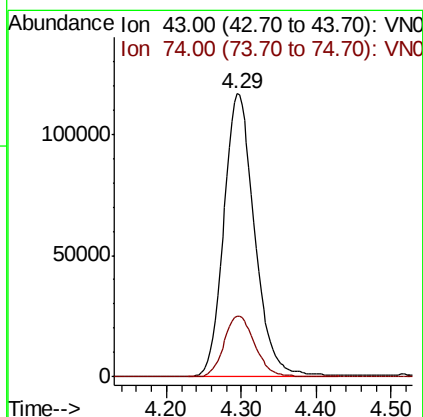
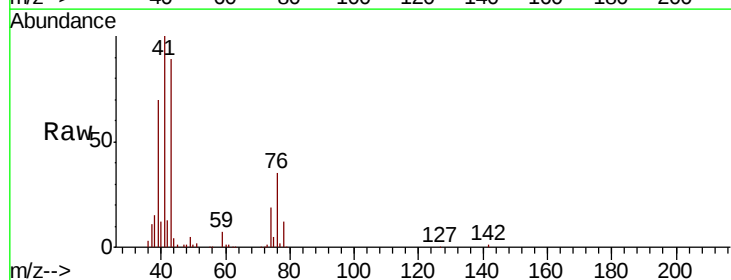
Instrument :
MSVOA_N
ClientSampleId :

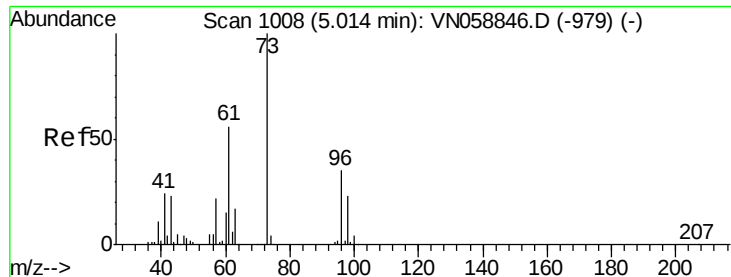
Tot Ion: 76 Resp: 581242
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 49.330 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 43 Resp: 329448
Ion Ratio Lower Upper
43 100
74 21.8 17.1 25.7

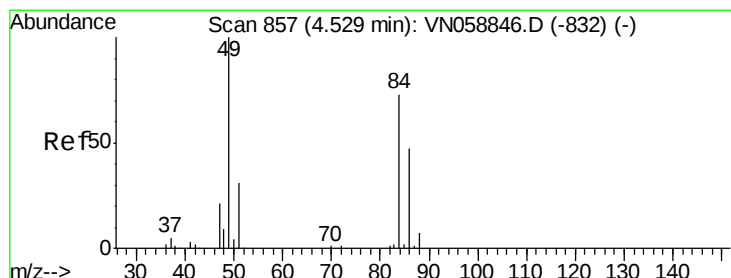
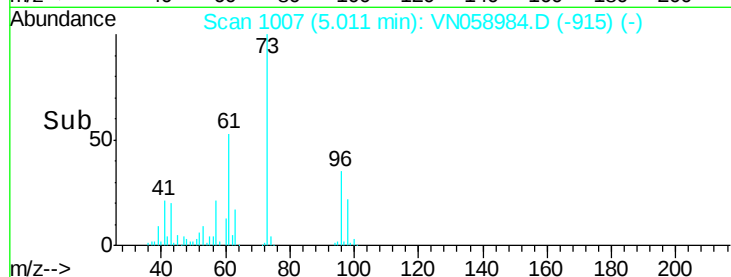
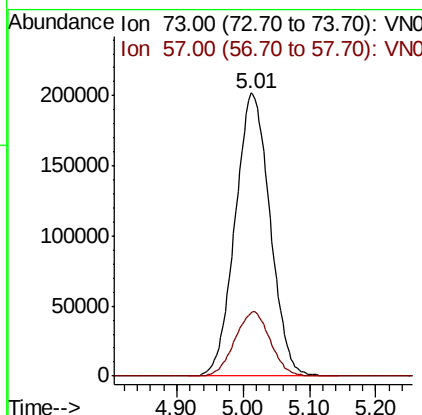
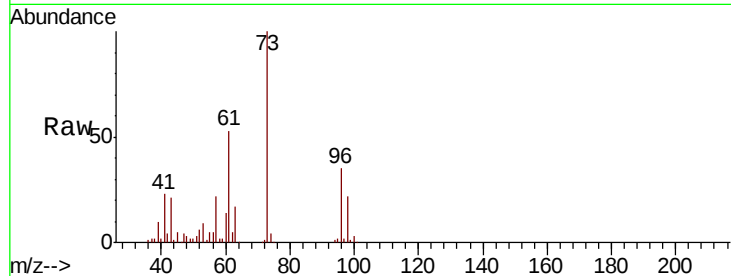




#19
Methyl tert-butyl Ether
Concen: 52.703 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

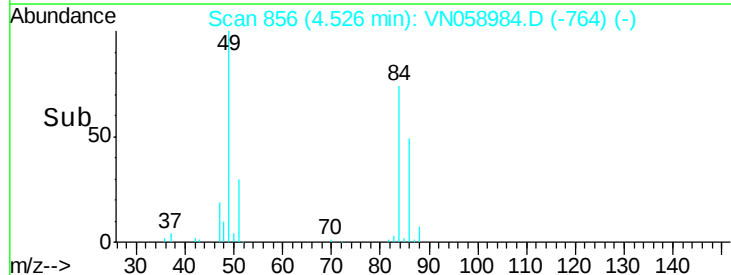
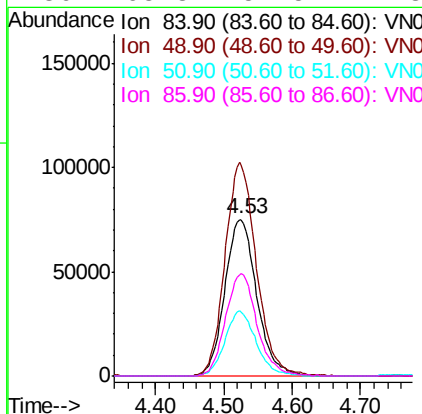
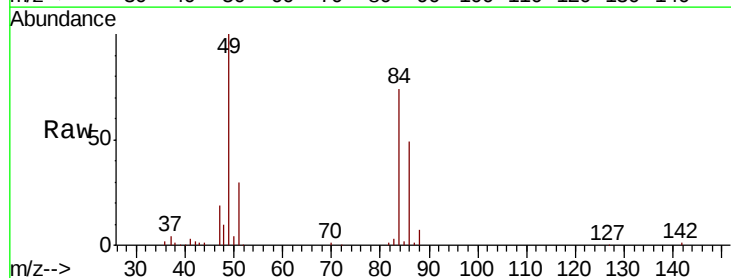
Instrument :
MSVOA_N
ClientSampled :

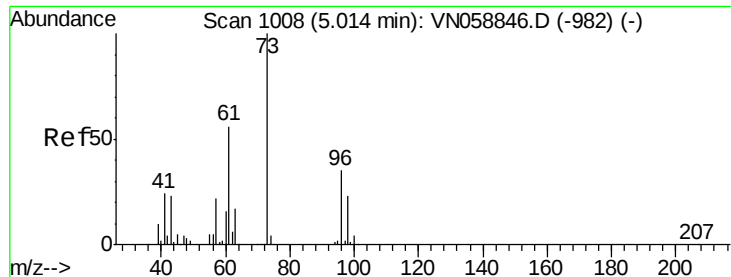
Tot Ion: 73 Resp: 737379
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#20
Methylene Chloride
Concen: 48.743 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 84 Resp: 244491
Ion Ratio Lower Upper
84 100
49 135.2 109.6 164.4
51 40.5 33.8 50.6
86 65.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 50.042 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampled :

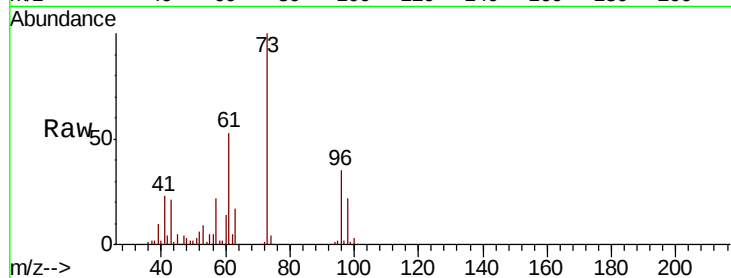
Tot Ion: 96 Resp: 220820

Ion Ratio Lower Upper

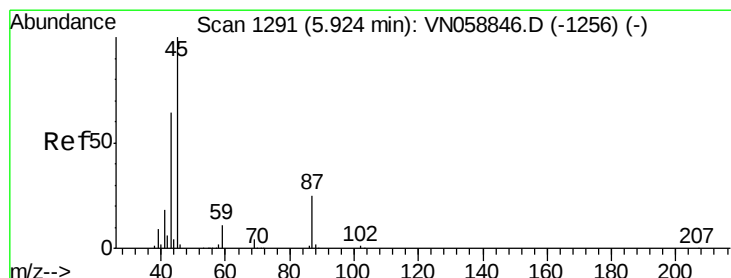
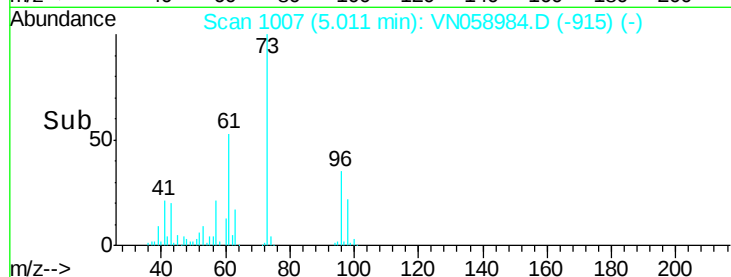
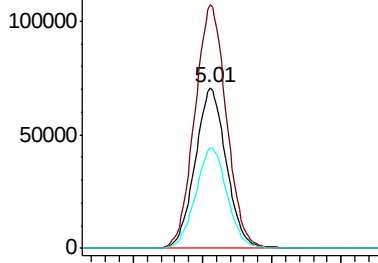
96 100

61 151.7 126.7 190.1

98 62.2 52.0 78.0



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



#22

Diisopropyl ether

Concen: 54.629 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion: 45 Resp: 863960

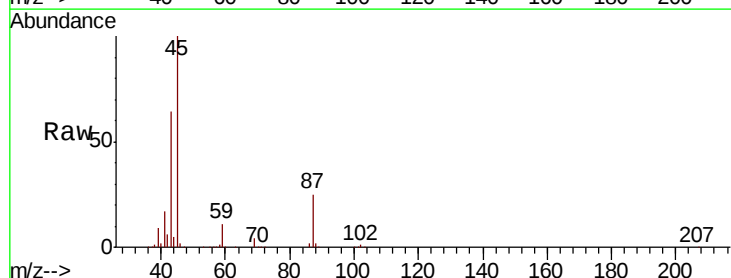
Ion Ratio Lower Upper

45 100

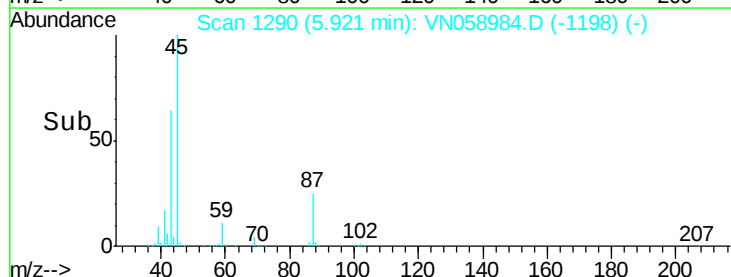
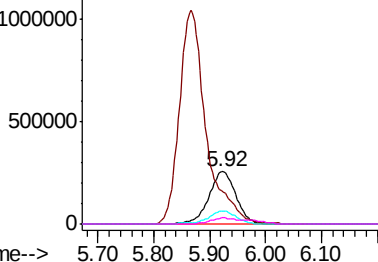
43 62.8 52.9 79.3

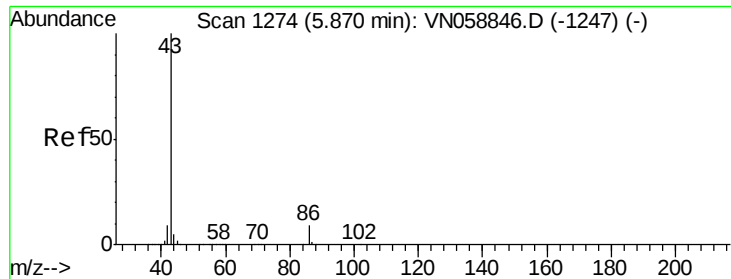
87 24.5 20.2 30.4

59 11.3 8.8 13.2



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





#23

Vinyl Acetate

Concen: 273.564 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

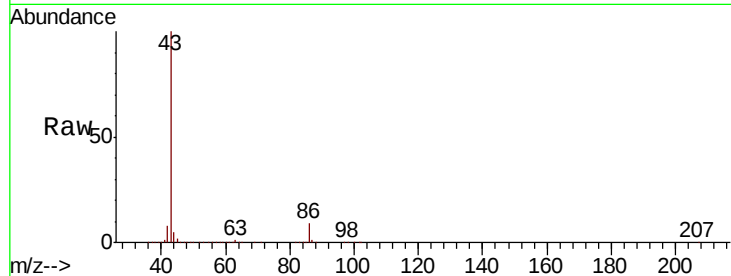
ClientSampleId :

Tot Ion: 43 Resp: 3475963

Ion Ratio Lower Upper

43 100

86 9.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1200000

1000000

800000

600000

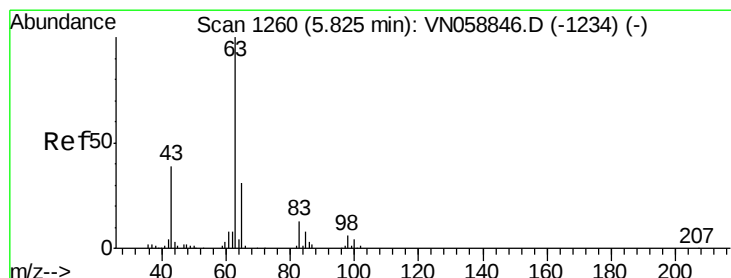
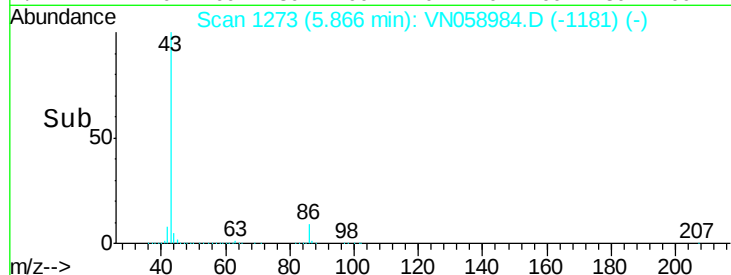
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 50.022 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

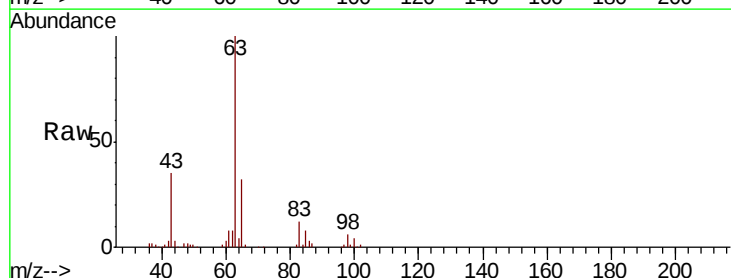
Tgt Ion: 63 Resp: 458717

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.9 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

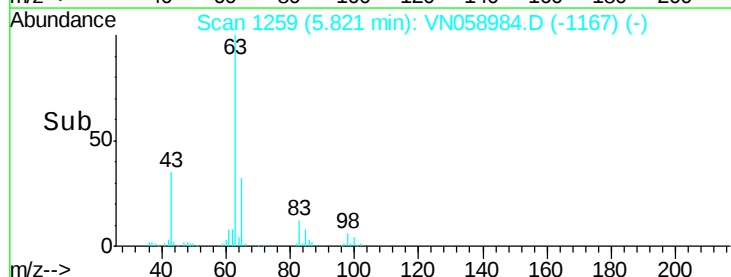
100000

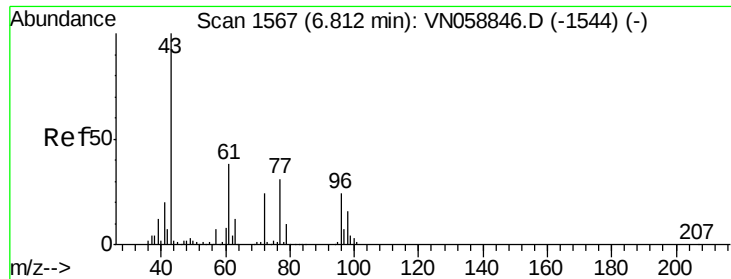
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 241.051 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

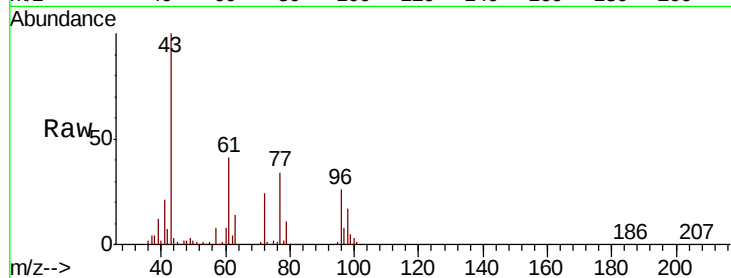
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 919178

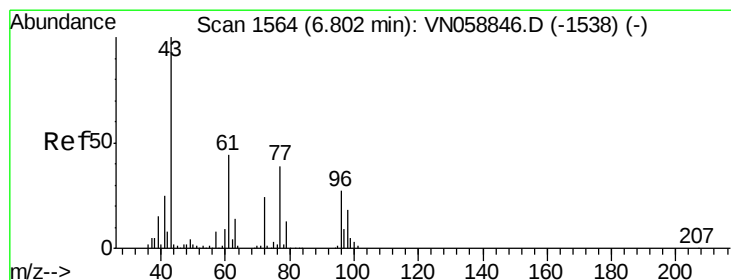
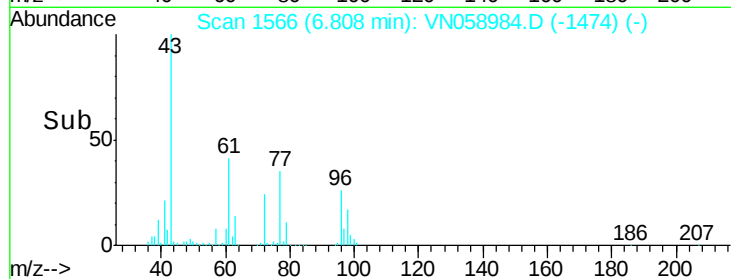
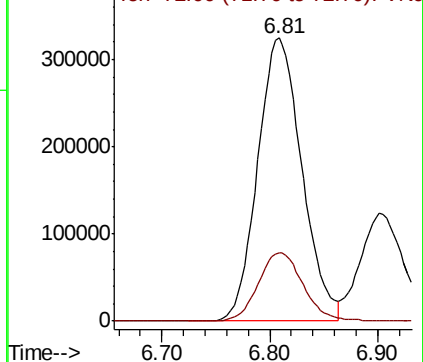
Ion Ratio Lower Upper

43 100

72 24.0 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 50.310 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058984.D

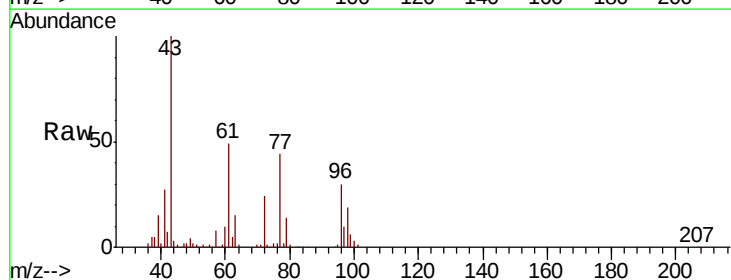
Acq: 28 Oct 2019 9:33

Tgt Ion: 77 Resp: 399057

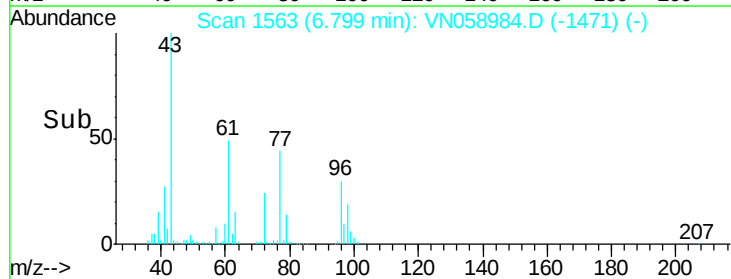
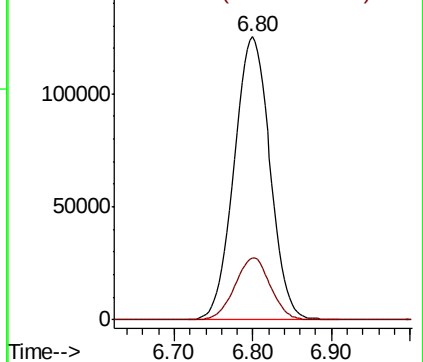
Ion Ratio Lower Upper

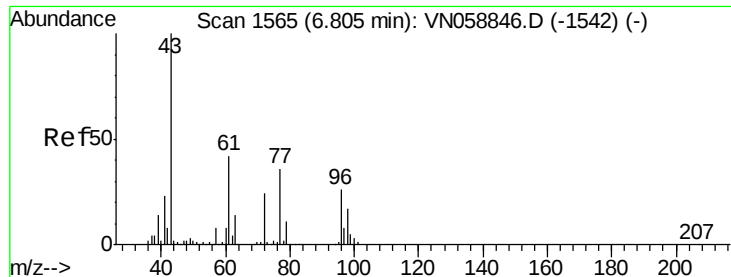
77 100

97 21.8 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN0
Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.685 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :

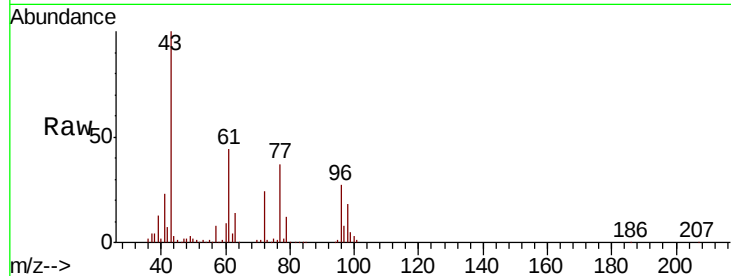
Tot Ion: 96 Resp: 255499

Ion Ratio Lower Upper

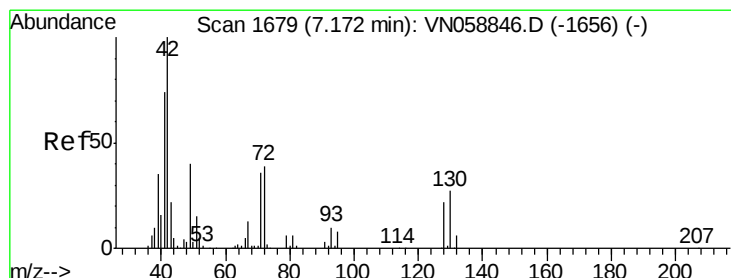
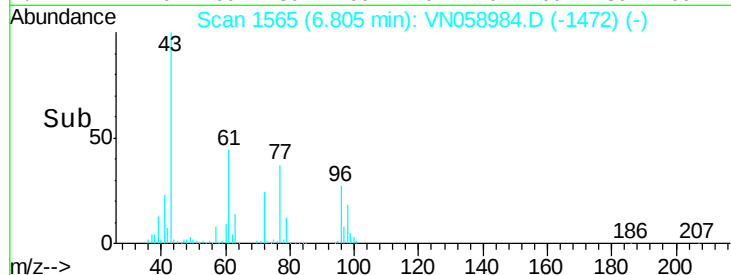
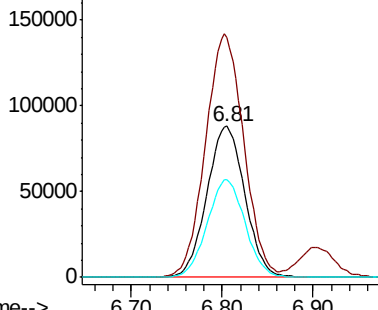
96 100

61 162.3 0.0 325.0

98 64.5 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: 49.207 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

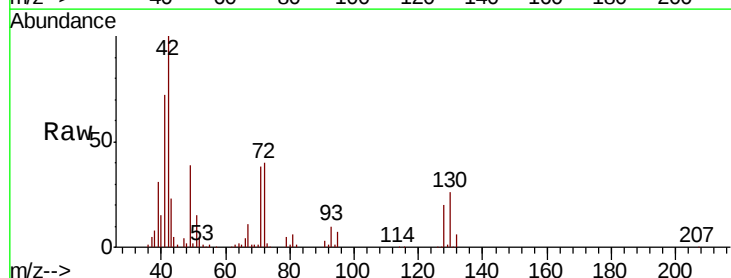
Tgt Ion: 49 Resp: 150280

Ion Ratio Lower Upper

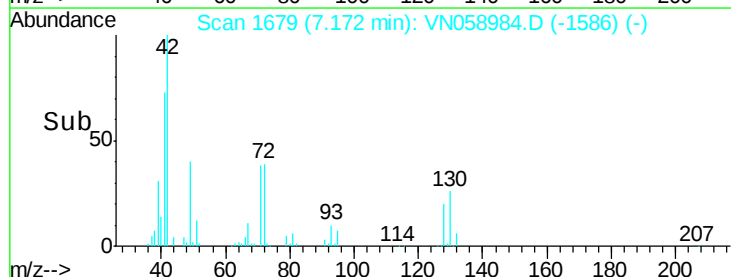
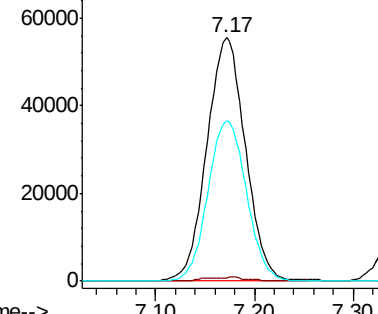
49 100

129 1.7 0.0 3.2

130 65.8 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

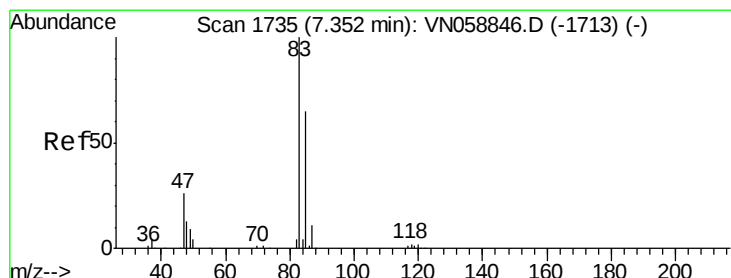
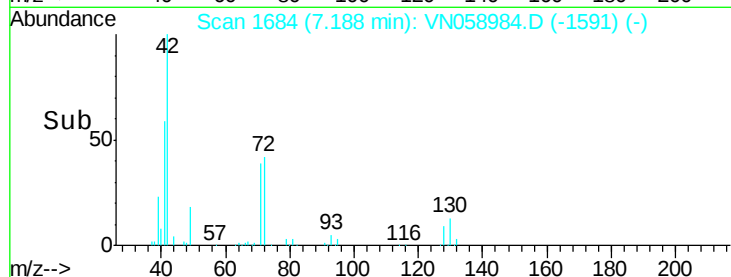
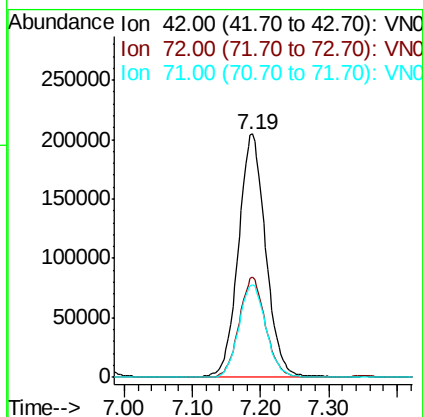
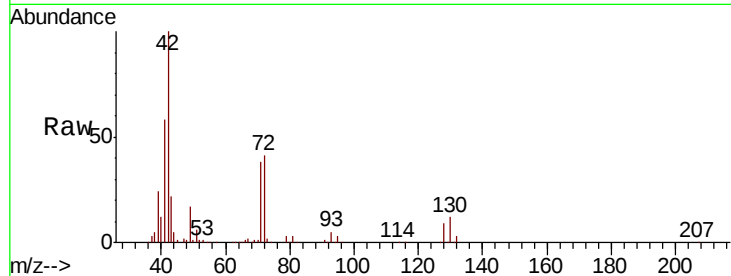




#29
Tetrahydrofuran
Concen: 242.546 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

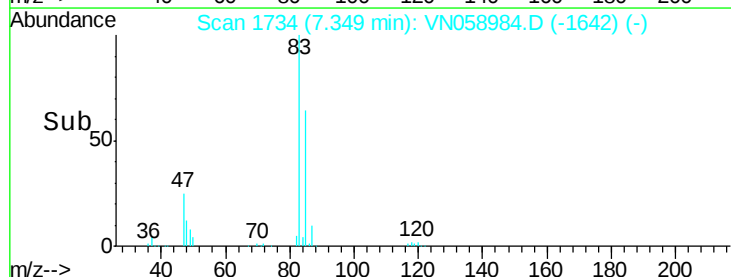
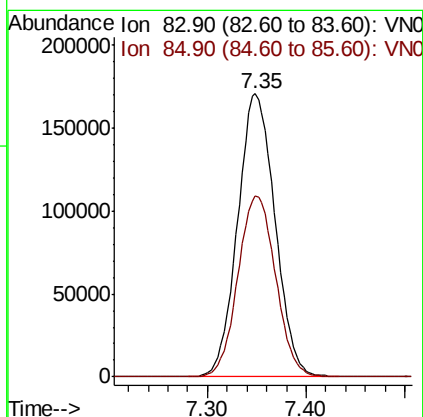
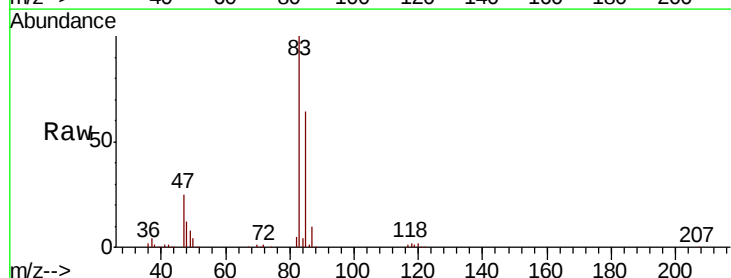
Instrument :
MSVOA_N
ClientSampled :

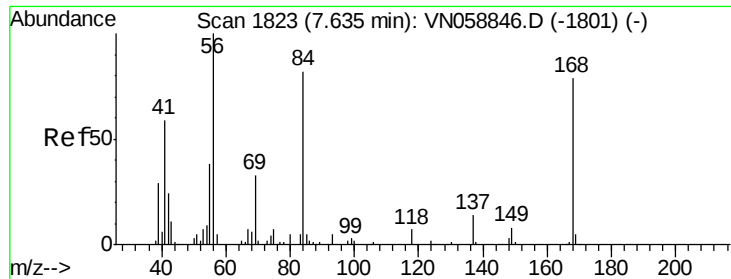
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.2	48.2
71	38.0	30.6	45.8



#30
Chloroform
Concen: 48.651 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.9	77.9

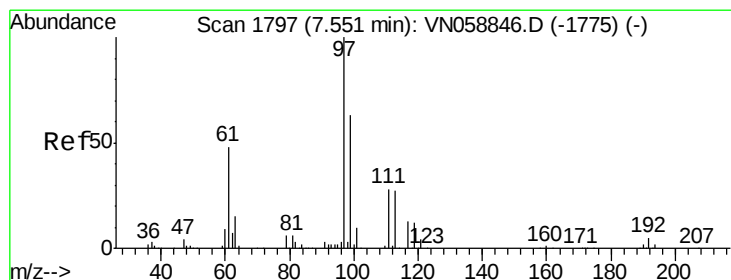
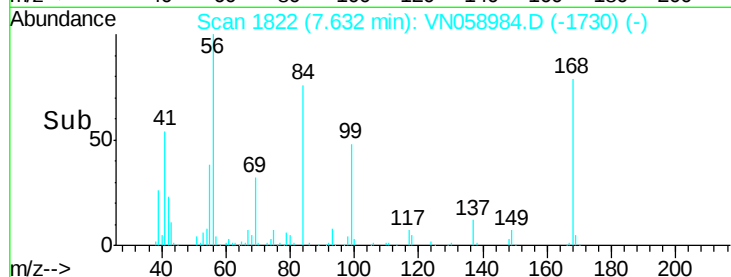
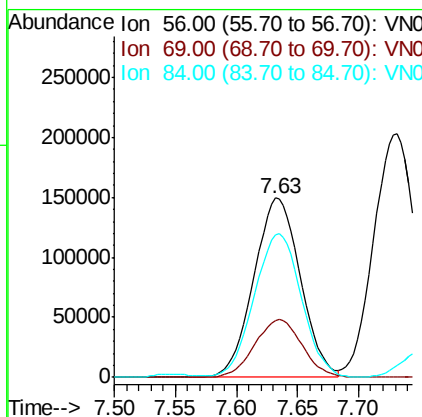
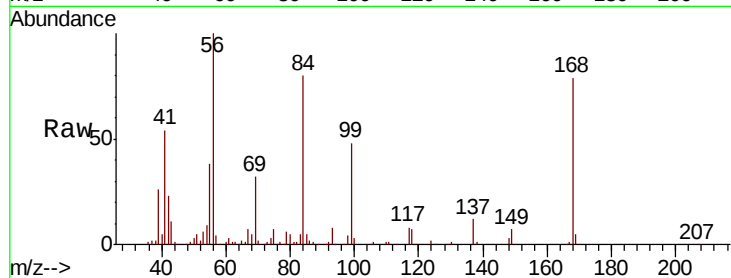




#31
Cyclohexane
Concen: 46.487 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

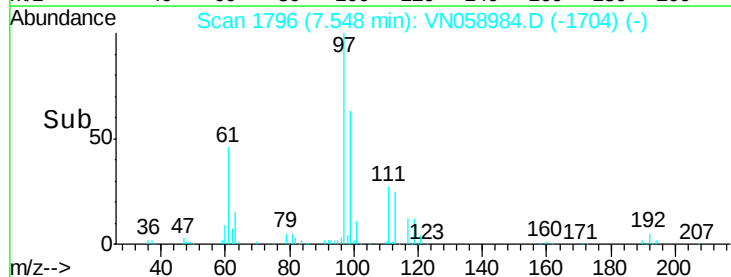
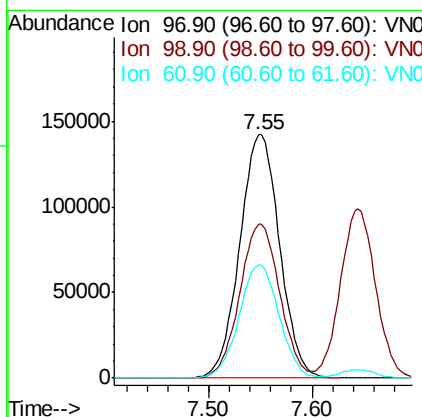
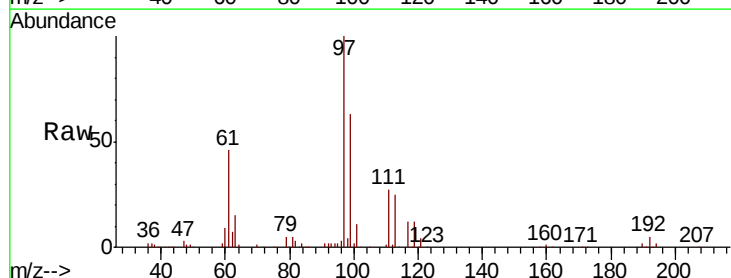
Instrument :
MSVOA_N
ClientSampled :

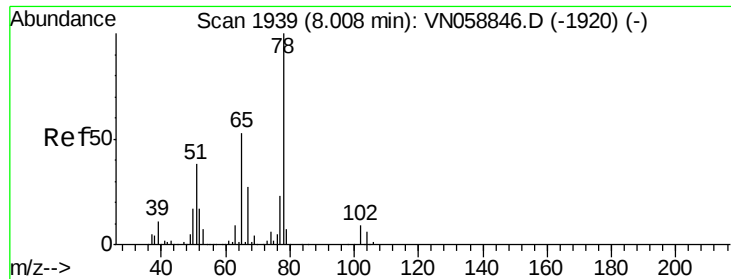
Tot Ion: 56 Resp: 397140
Ion Ratio Lower Upper
56 100
69 31.9 26.2 39.4
84 78.5 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 49.207 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 97 Resp: 381527
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 46.9 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 47.439 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

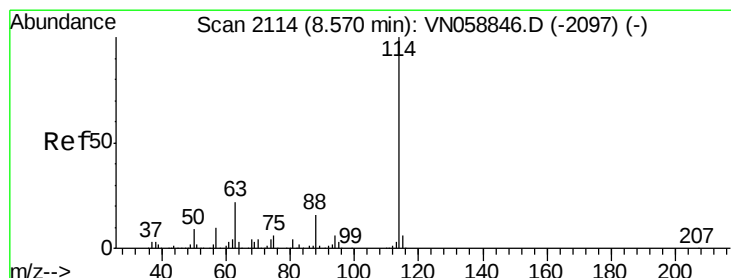
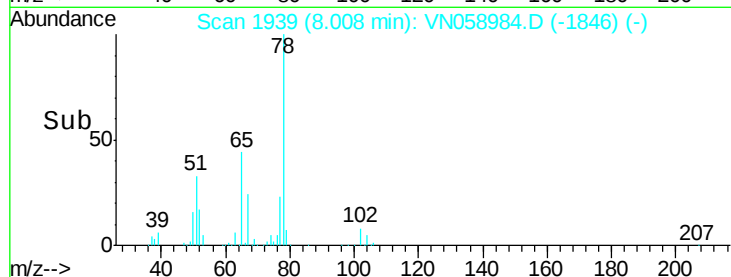
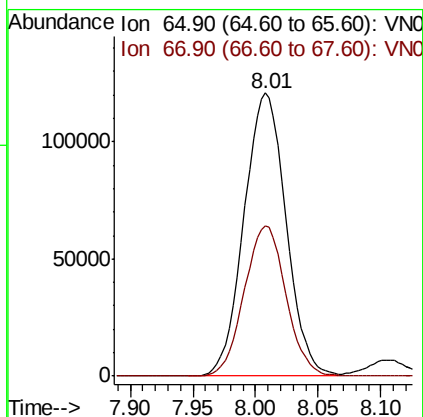
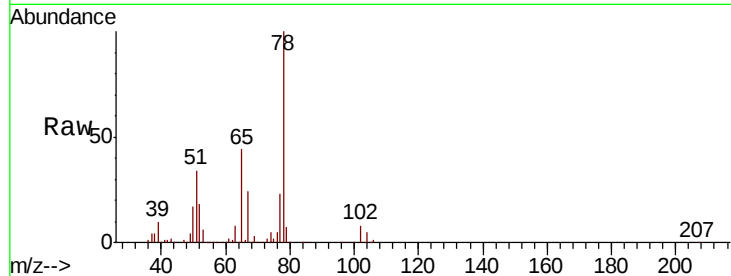
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 282011

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

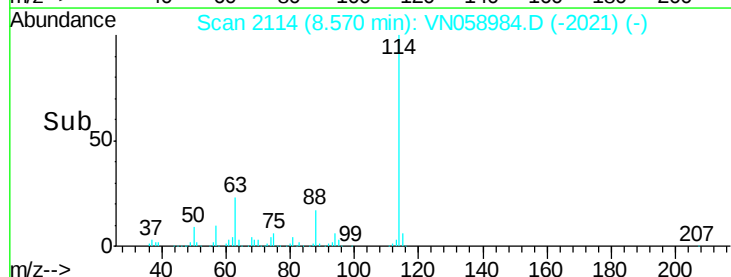
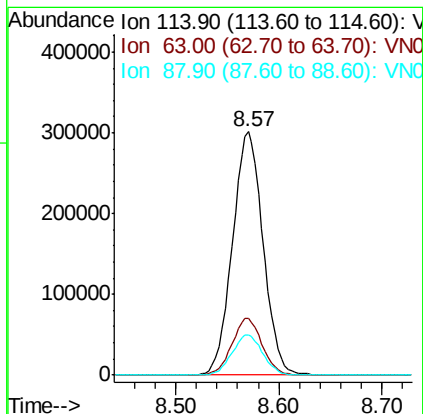
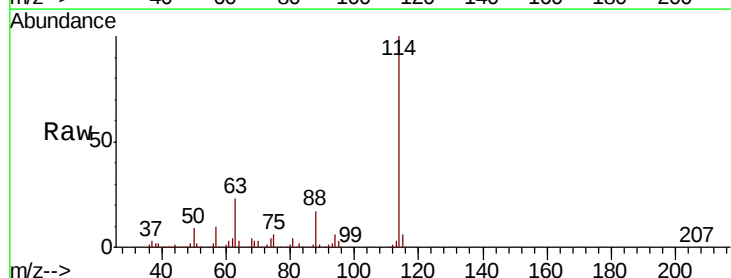
Tgt Ion: 114 Resp: 622191

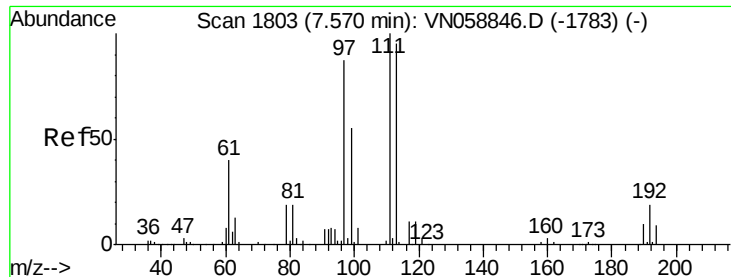
Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.4

88 16.7 0.0 31.4

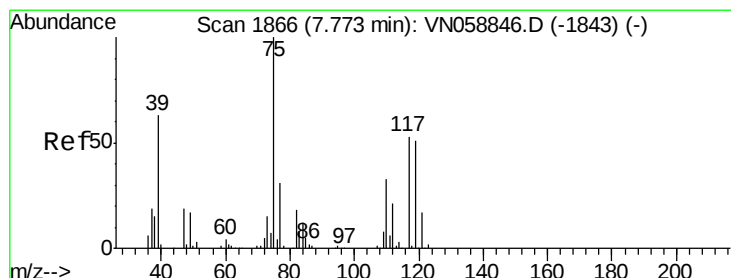
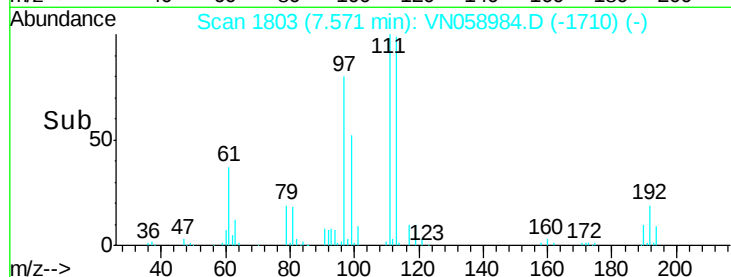
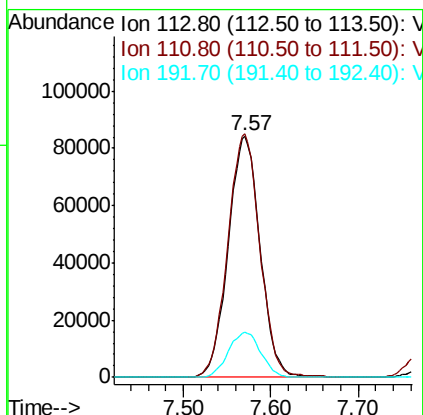
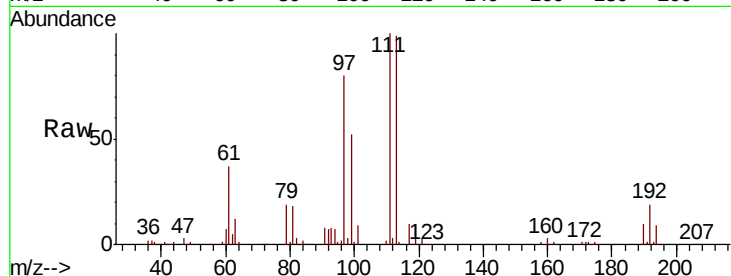




#35
Dibromofluoromethane
Concen: 51.959 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

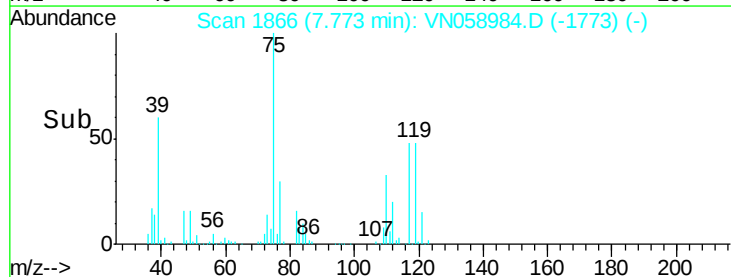
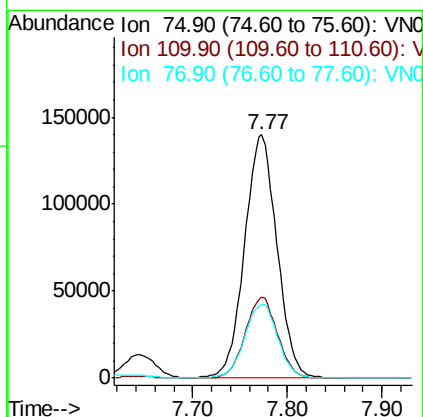
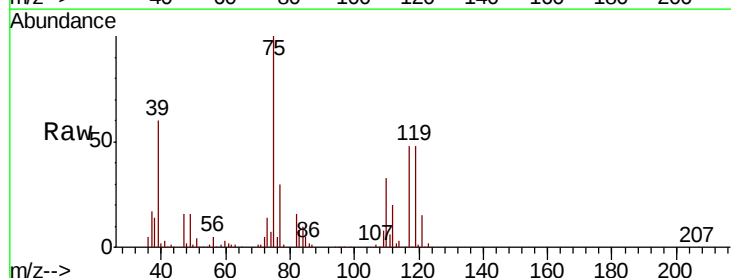
Instrument :
MSVOA_N
ClientSampleId :

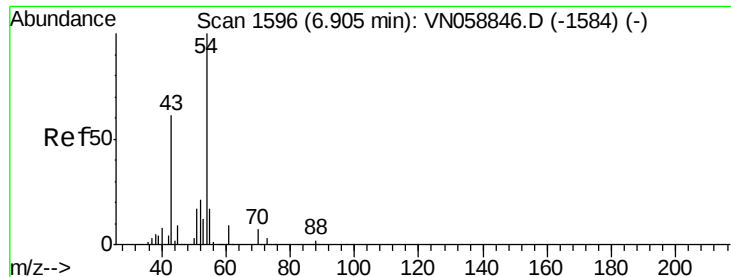
Tot Ion:113 Resp: 212551
Ion Ratio Lower Upper
113 100
111 101.7 82.0 123.0
192 19.0 15.0 22.6



#36
1,1-Dichloropropene
Concen: 52.067 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 75 Resp: 331663
Ion Ratio Lower Upper
75 100
110 33.3 16.3 48.9
77 31.4 24.6 36.8

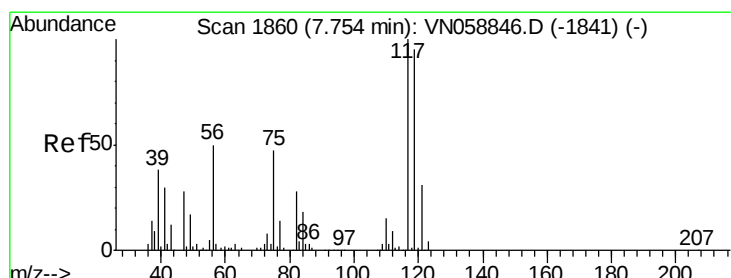
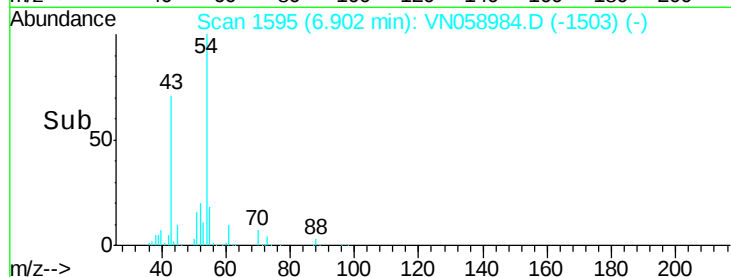
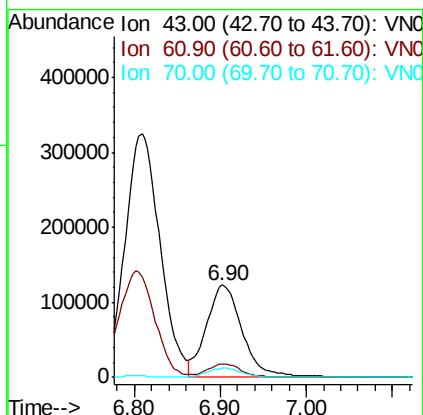
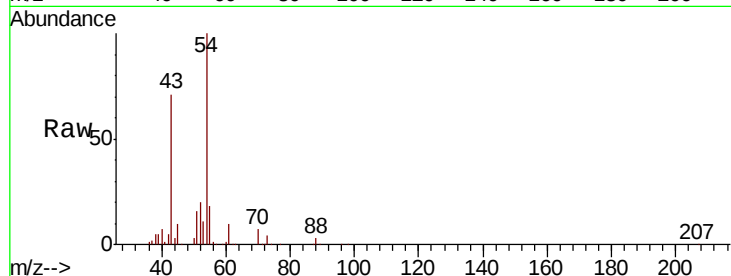




#37
Ethyl Acetate
Concen: 50.695 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

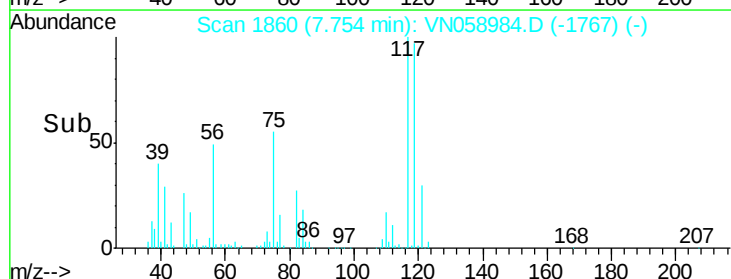
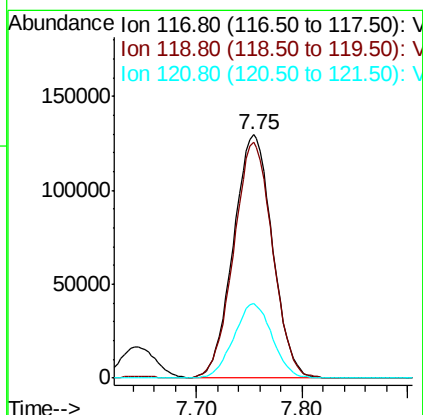
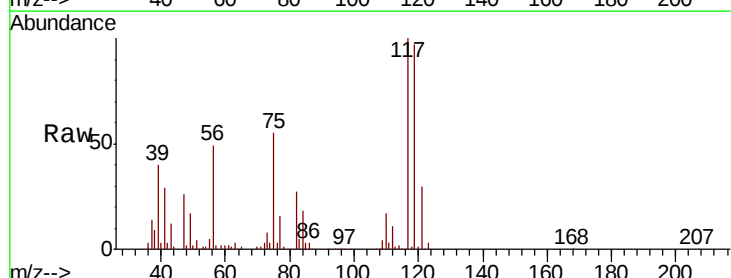
Instrument :
MSVOA_N
ClientSampleId :

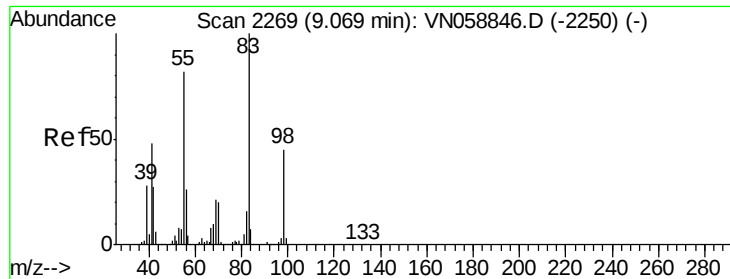
Tot Ion: 43 Resp: 351864
Ion Ratio Lower Upper
43 100
61 13.5 10.5 15.7
70 9.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 50.842 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 117 Resp: 333636
Ion Ratio Lower Upper
117 100
119 96.9 75.7 113.5
121 30.4 25.0 37.6

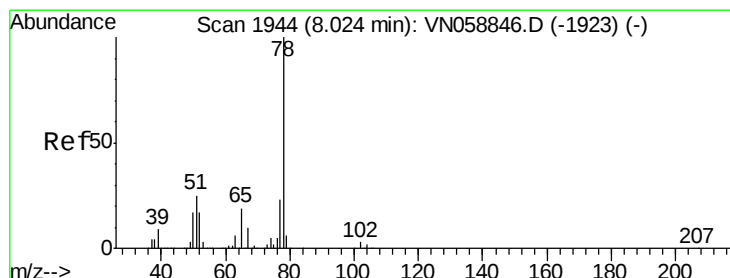
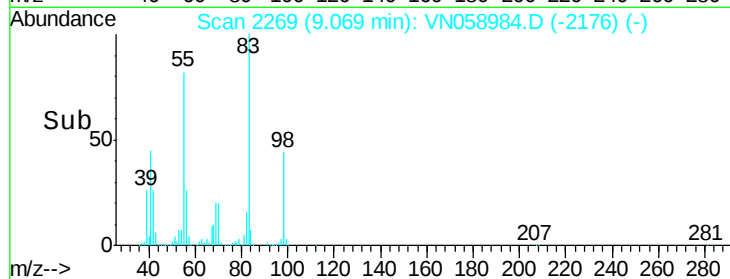
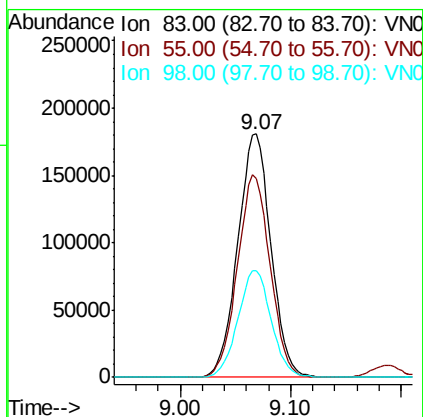
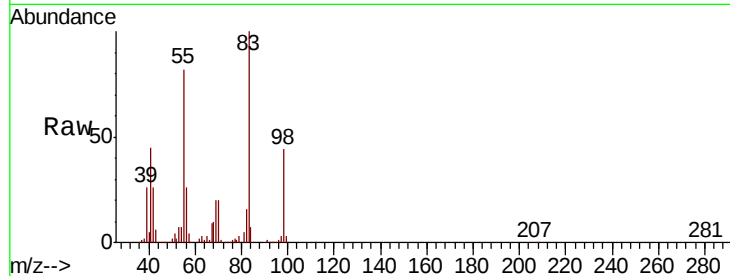




#39
Methvlcvclohexane
Concen: 52.715 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

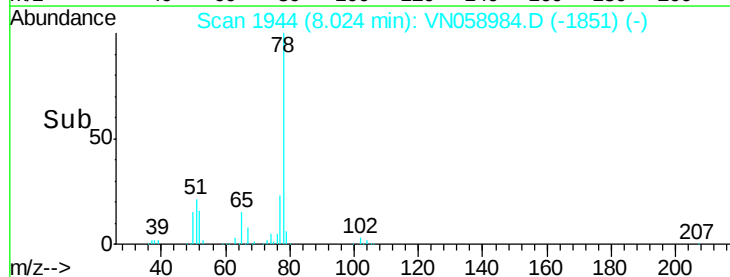
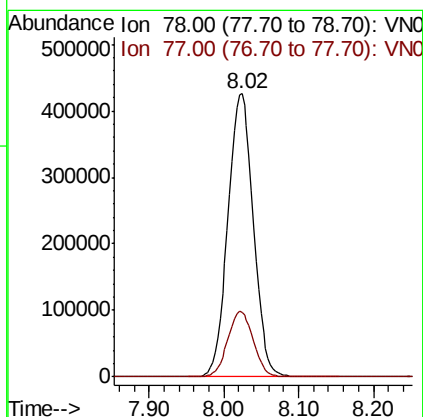
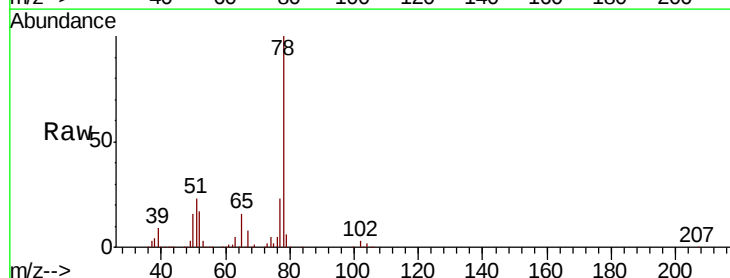
Instrument :
MSVOA_N
ClientSampleId :

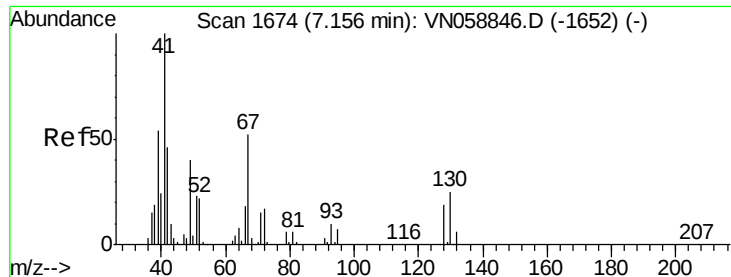
Tot Ion: 83 Resp: 377041
Ion Ratio Lower Upper
83 100
55 81.7 65.5 98.3
98 44.0 35.7 53.5



#40
Benzene
Concen: 53.719 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 78 Resp: 1004832
Ion Ratio Lower Upper
78 100
77 22.9 18.2 27.2

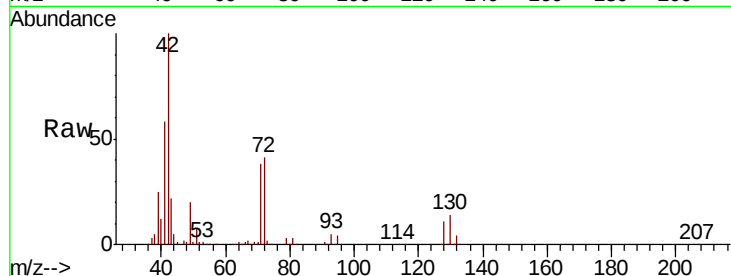




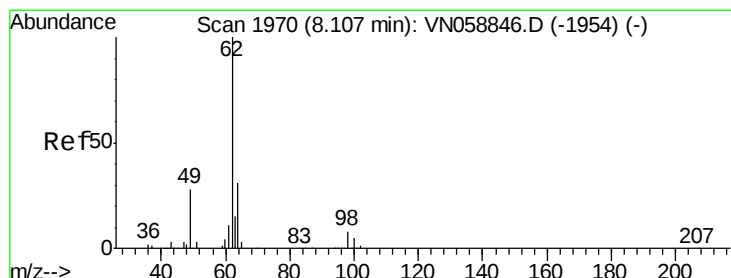
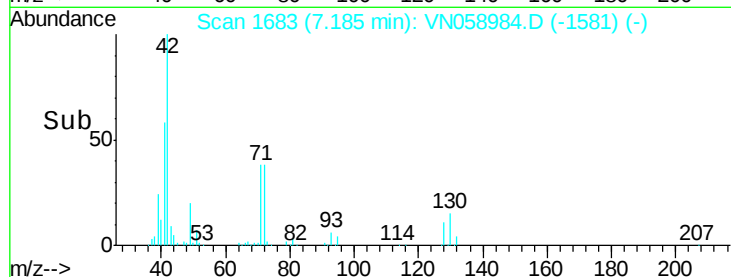
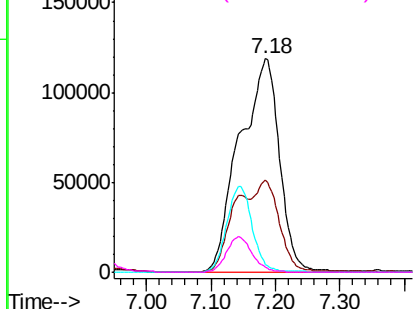
#41
Methacrylonitrile
Concen: 164.247 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	507737
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

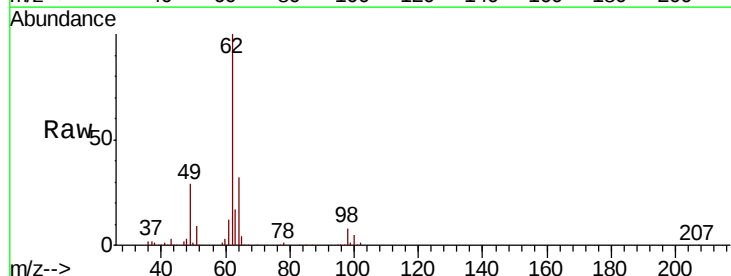


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

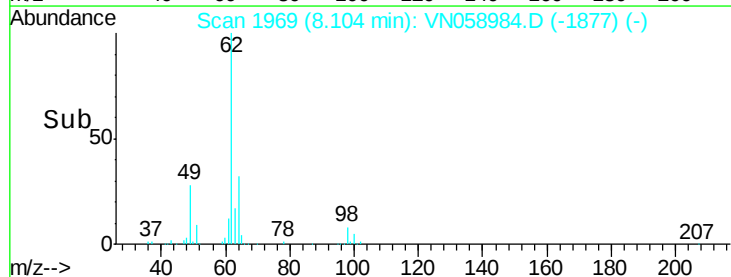
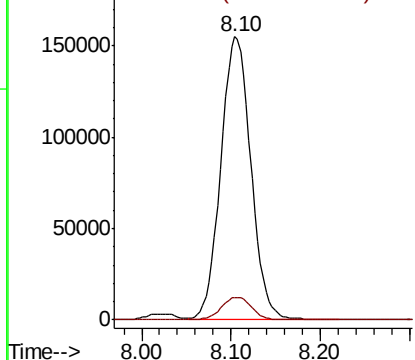


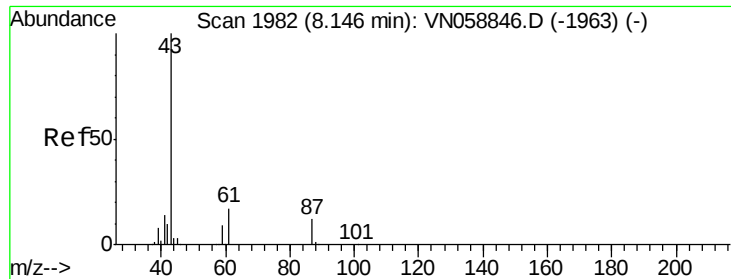
#42
1,2-Dichloroethane
Concen: 50.170 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion:	62	Resp:	361496
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.2



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

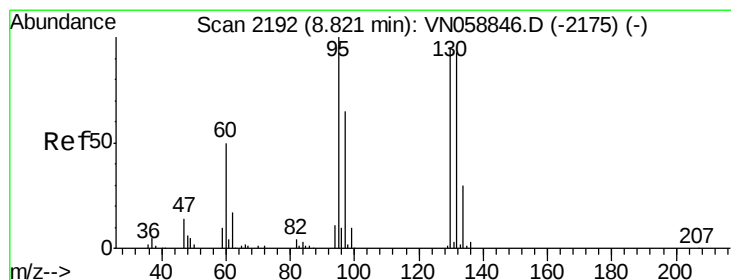
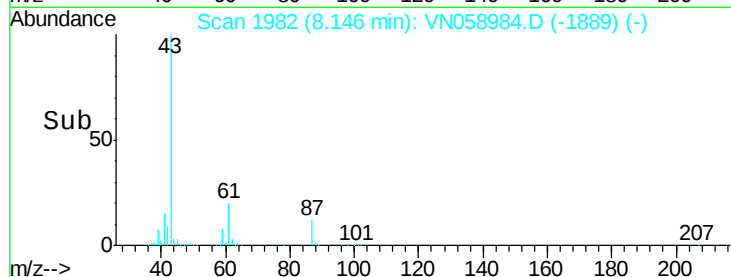
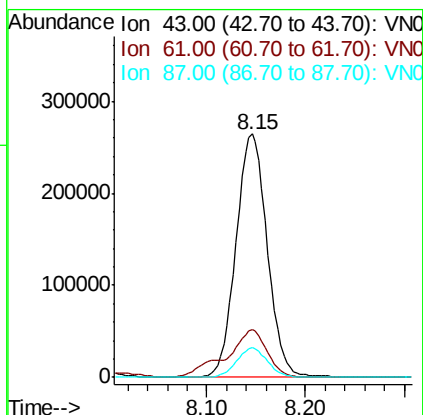
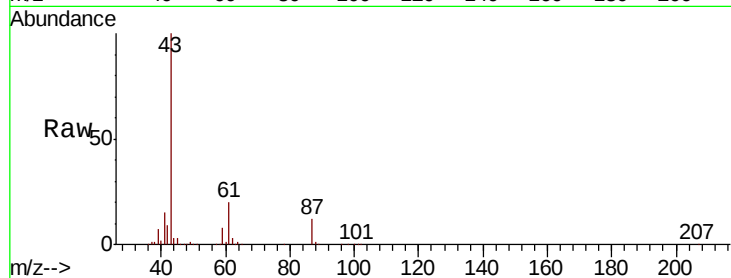




#43
Isopropyl Acetate
Concen: 51.820 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

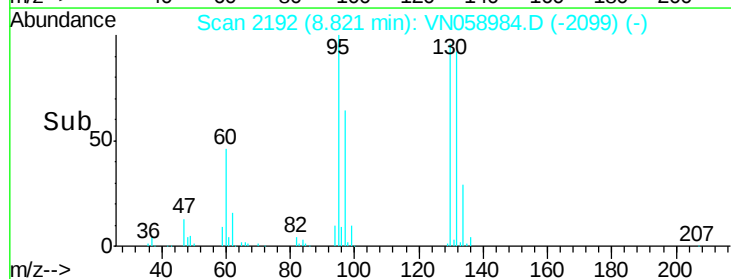
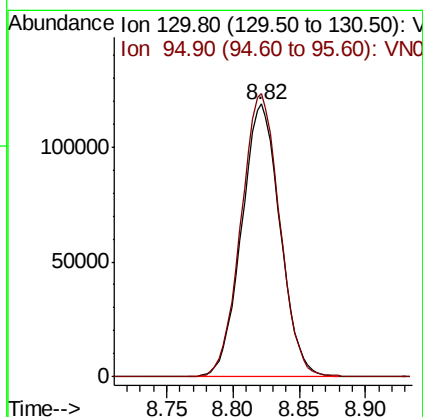
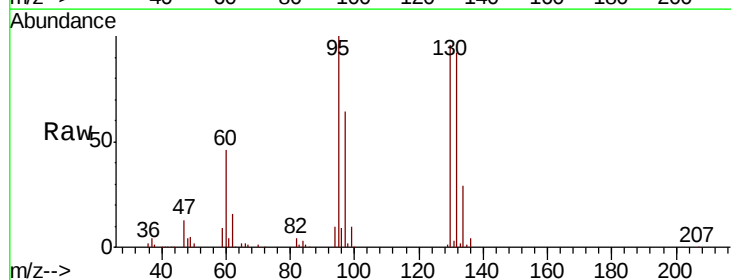
Instrument :
MSVOA_N
ClientSampleId :

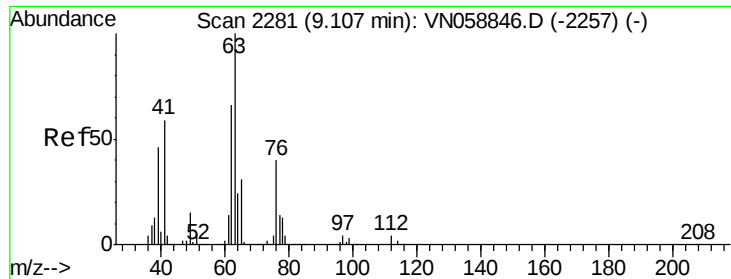
Tot Ion: 43 Resp: 576832
Ion Ratio Lower Upper
43 100
61 25.5 20.2 30.2
87 11.9 9.5 14.3



#44
Trichloroethene
Concen: 52.658 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 130 Resp: 239936
Ion Ratio Lower Upper
130 100
95 103.8 0.0 209.6





#45

1,2-Dichloropropane

Concen: 53.975 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

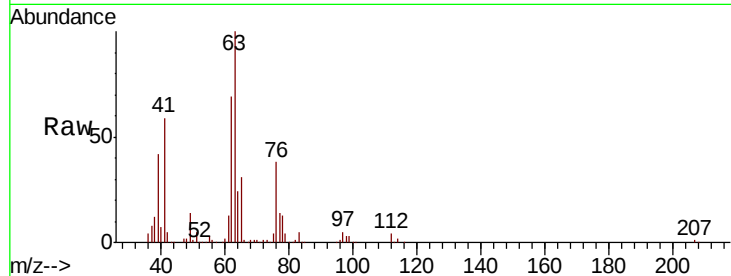
ClientSampled :

Tot Ion: 63 Resp: 276852

Ion Ratio Lower Upper

63 100

65 31.3 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

150000

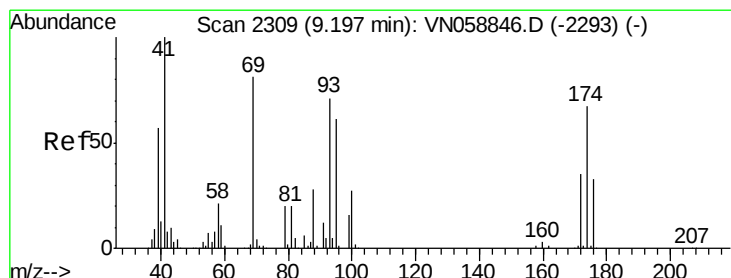
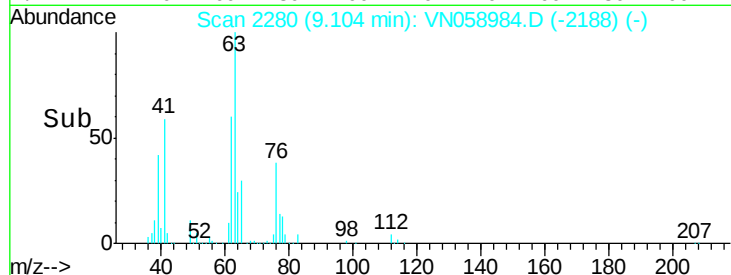
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 51.966 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

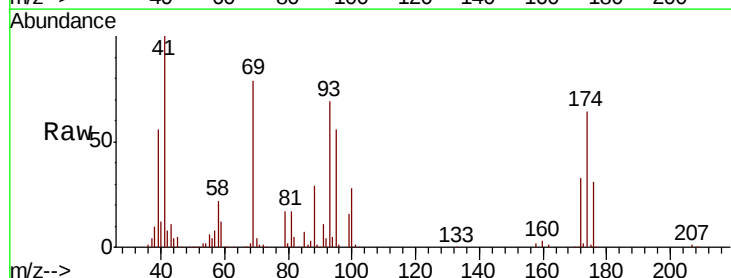
Tgt Ion: 93 Resp: 168504

Ion Ratio Lower Upper

93 100

95 82.7 67.6 101.4

174 94.4 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

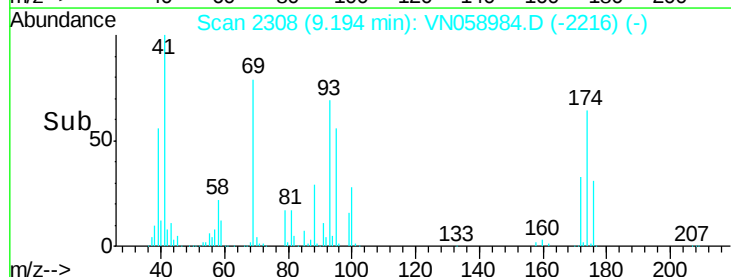
40000

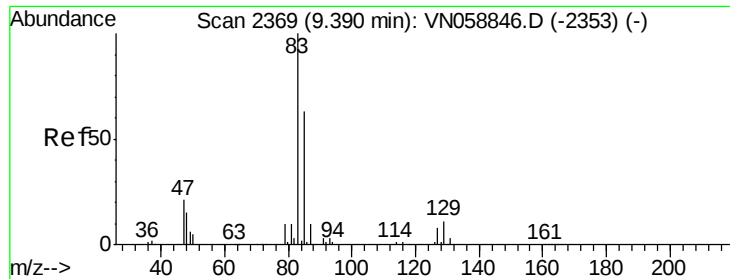
20000

0

Time-->

9.10 9.20 9.30

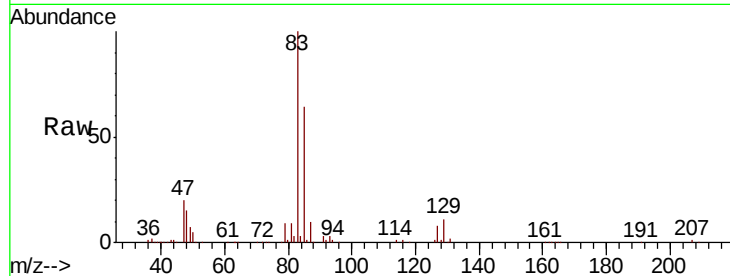




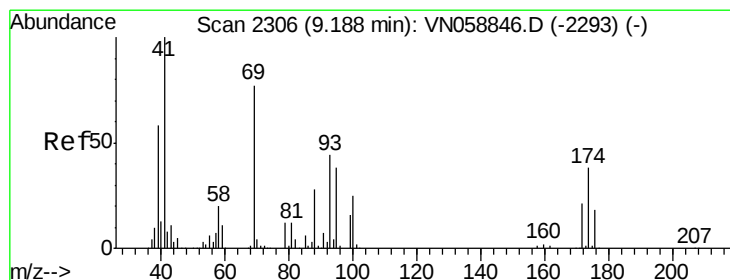
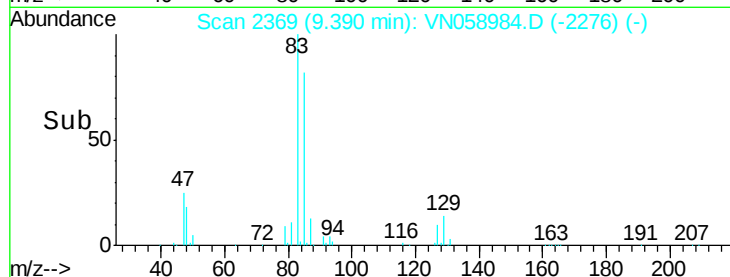
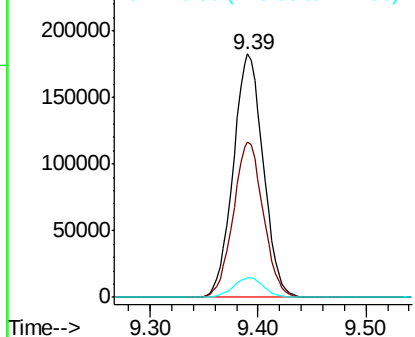
#47
Bromodichloromethane
Concen: 53.104 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 354905
Ion Ratio Lower Upper
83 100
85 64.0 50.6 75.8
127 8.2 6.5 9.7

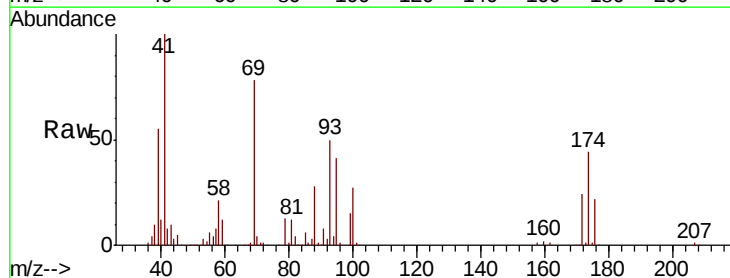


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

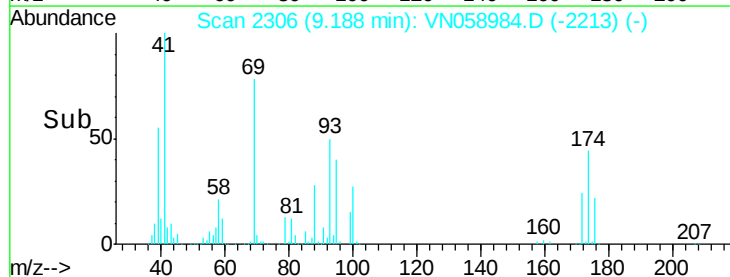
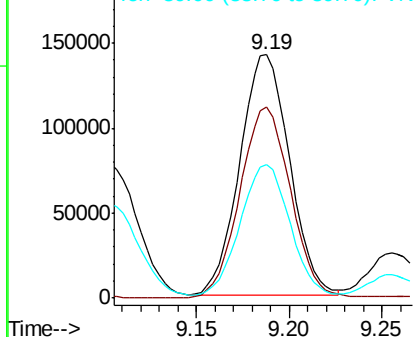


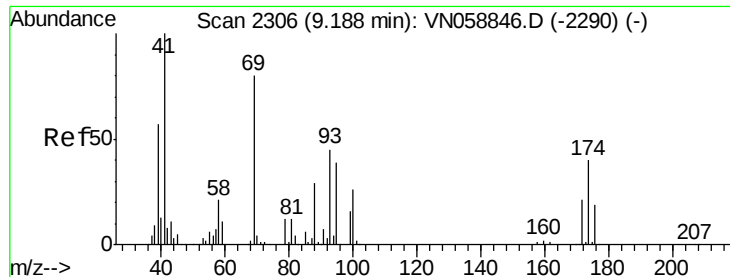
#48
Methyl methacrylate
Concen: 52.137 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 41 Resp: 263310
Ion Ratio Lower Upper
41 100
69 81.1 63.8 95.6
39 56.2 47.8 71.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

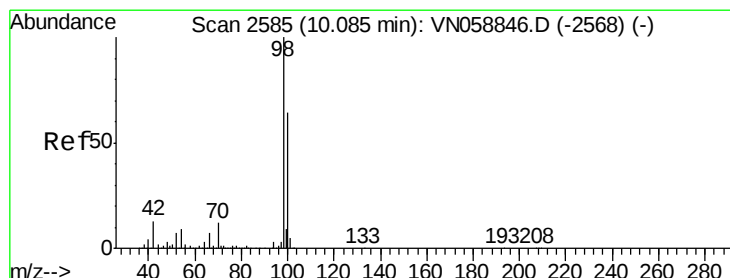
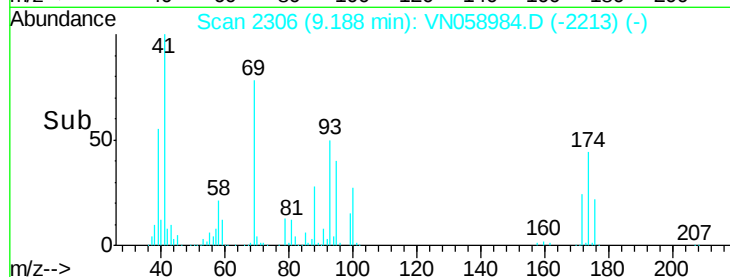
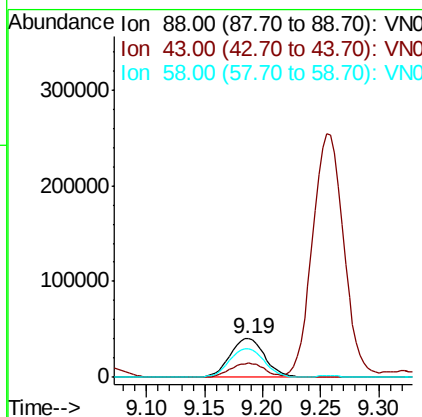
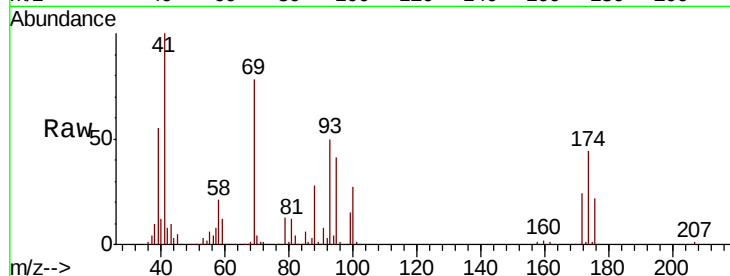




#49
1,4-Dioxane
Concen: 1023.074 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

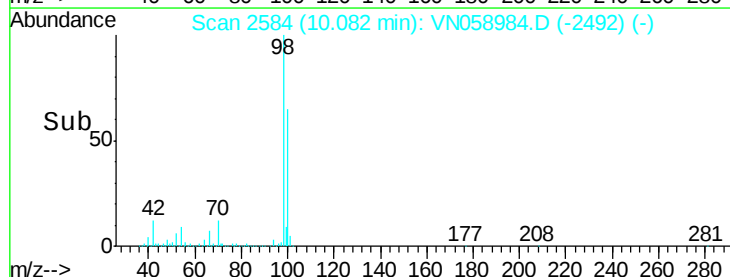
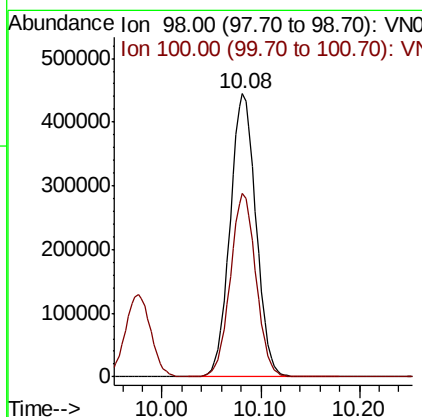
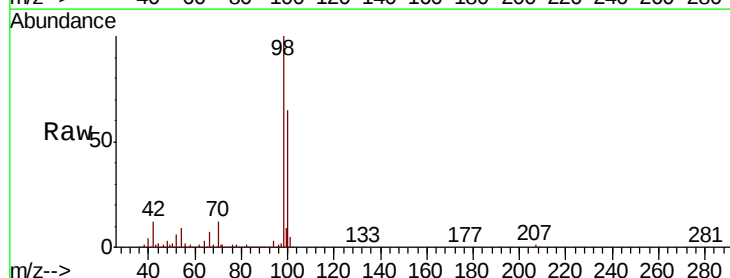
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 84819
Ion Ratio Lower Upper
88 100
43 35.1 29.1 43.7
58 74.3 59.4 89.0



#50
Toluene-d8
Concen: 51.414 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 98 Resp: 816440
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 273.077 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

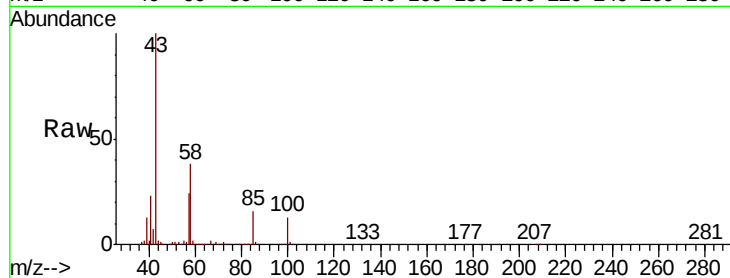
ClientSampleId :

Tot Ion: 43 Resp: 1775507

Ion Ratio Lower Upper

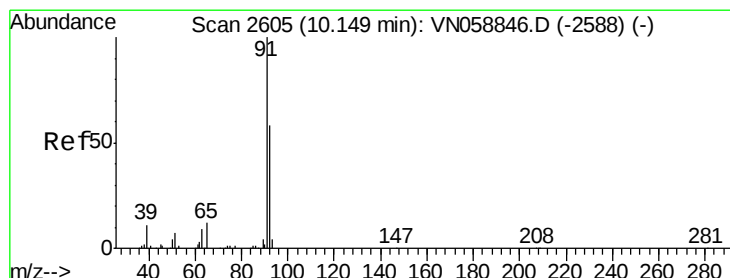
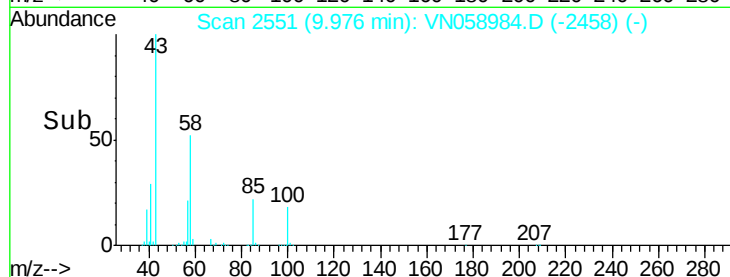
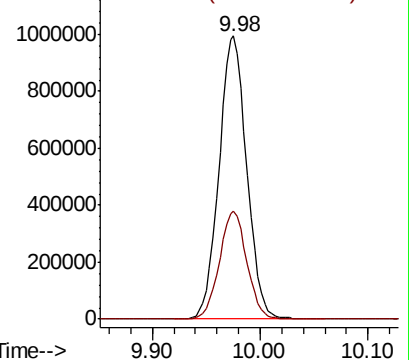
43 100

58 37.8 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 54.713 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058984.D

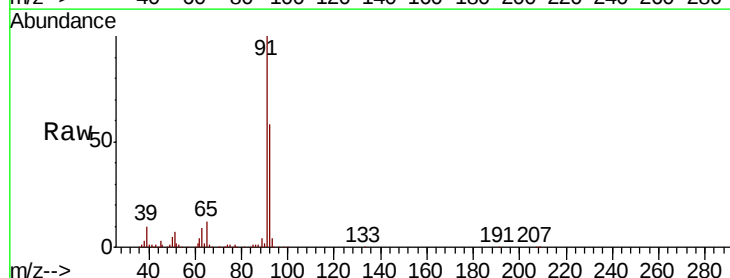
Acq: 28 Oct 2019 9:33

Tgt Ion: 92 Resp: 606905

Ion Ratio Lower Upper

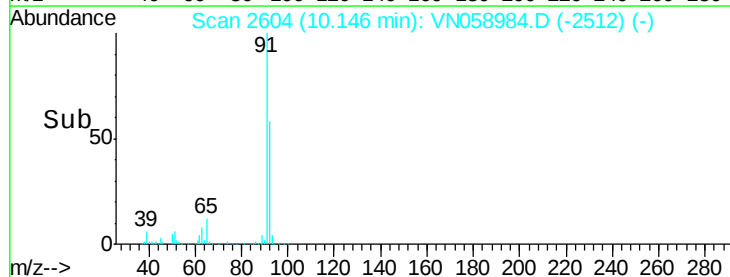
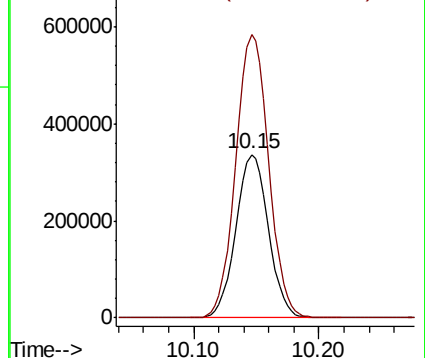
92 100

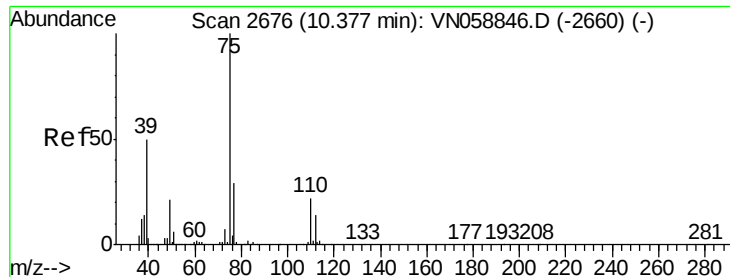
91 175.6 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 54.525 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

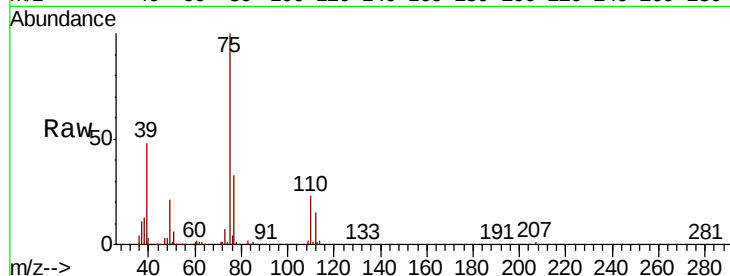
ClientSampled :

Tot Ion: 75 Resp: 403401

Ion Ratio Lower Upper

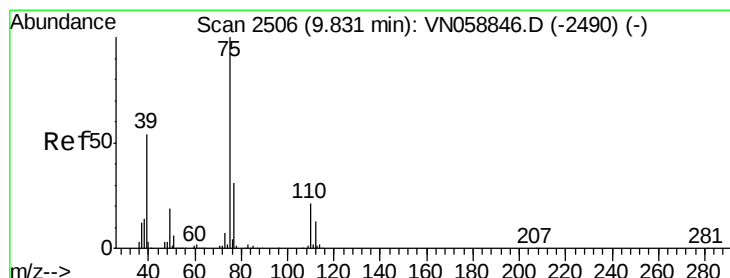
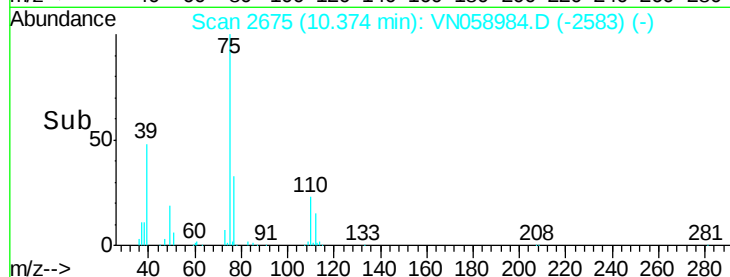
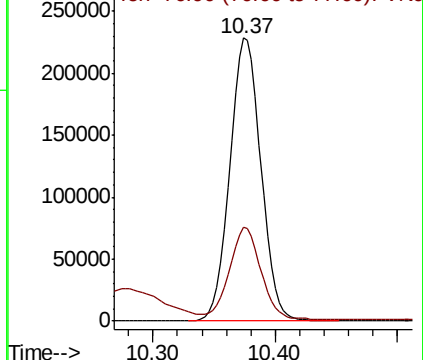
75 100

77 32.3 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: 55.006 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

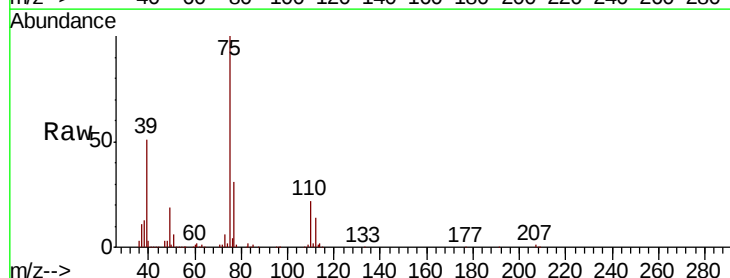
Tgt Ion: 75 Resp: 434783

Ion Ratio Lower Upper

75 100

77 31.0 24.7 37.1

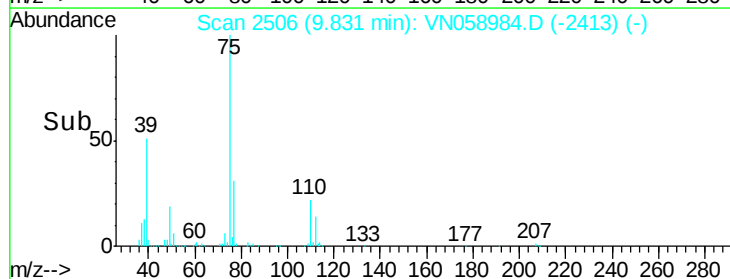
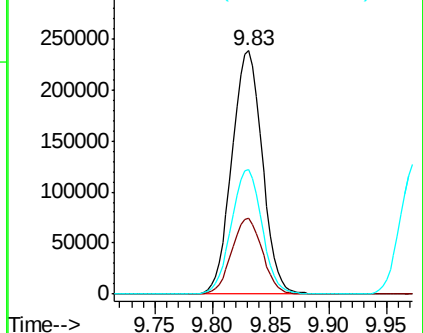
39 51.0 43.5 65.3

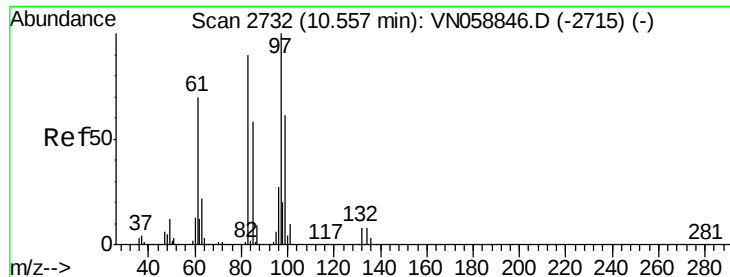


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 52.591 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 240319

Ion	Ratio	Lower	Upper
97	100		
83	88.9	72.2	108.4
85	58.6	46.2	69.2
99	63.0	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

Time-->

10.56

150000

100000

50000

0

10.50 10.55 10.60

Time-->

10.50 10.55 10.60

Time-->

Time-->

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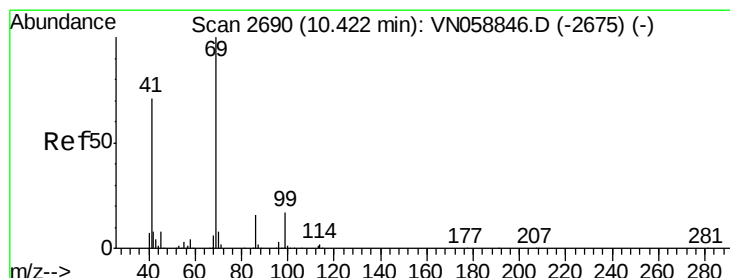
Time-->

Time-->

Time-->

Time-->

Time-->



#56

Ethyl methacrylate

Concen: 49.045 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion: 69 Resp: 376142

Ion	Ratio	Lower	Upper
69	100		
41	69.9	57.2	85.8
39	36.0	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

Time-->

10.42

300000

250000

200000

150000

100000

50000

0

10.30 10.40 10.50

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

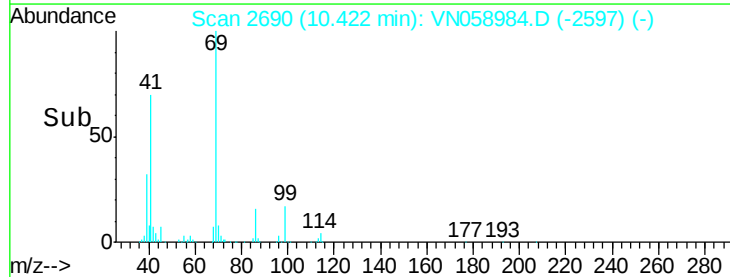
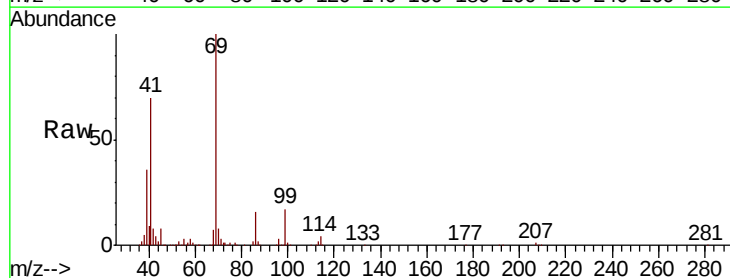
Time-->

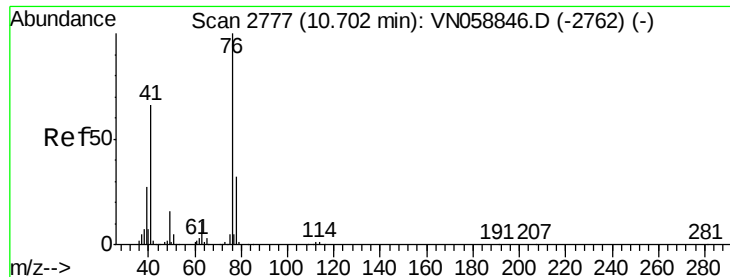
Time-->

Time-->

Time-->

Time-->





#57

1,3-Dichloropropane

Concen: 53.198 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

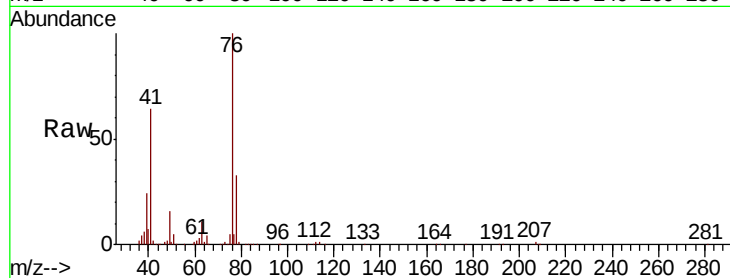
ClientSampleId :

Tot Ion: 76 Resp: 426658

Ion Ratio Lower Upper

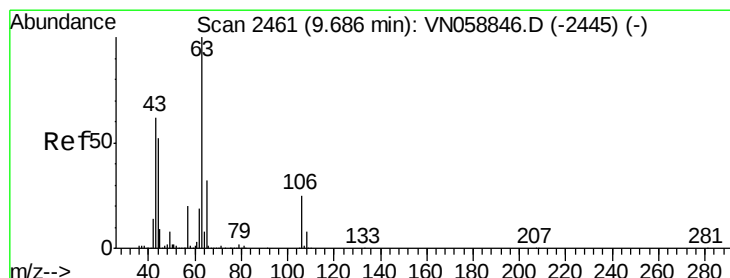
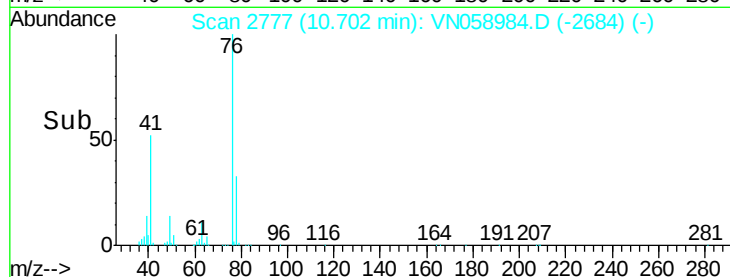
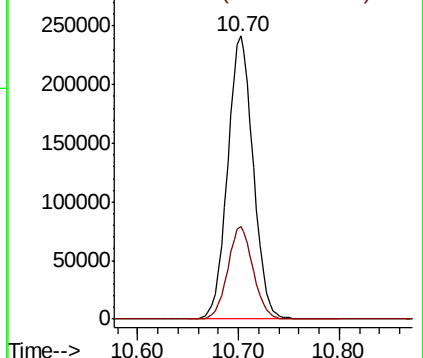
76 100

78 32.4 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 271.485 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN058984.D

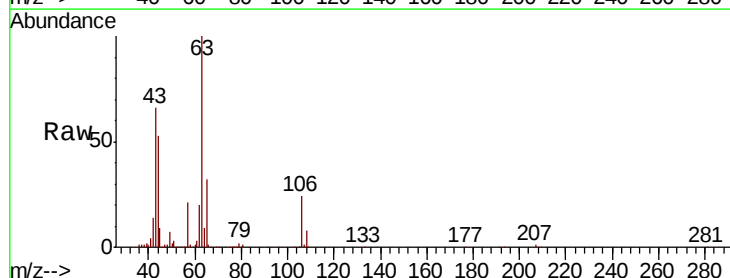
Acq: 28 Oct 2019 9:33

Tgt Ion: 63 Resp: 881584

Ion Ratio Lower Upper

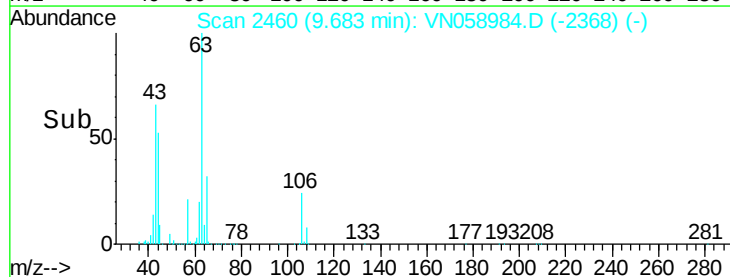
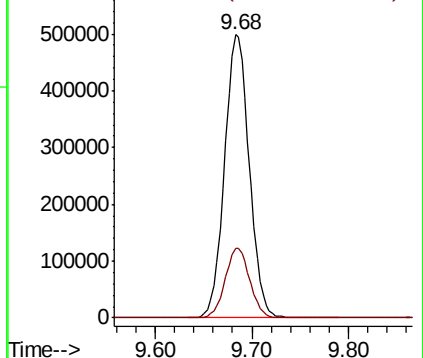
63 100

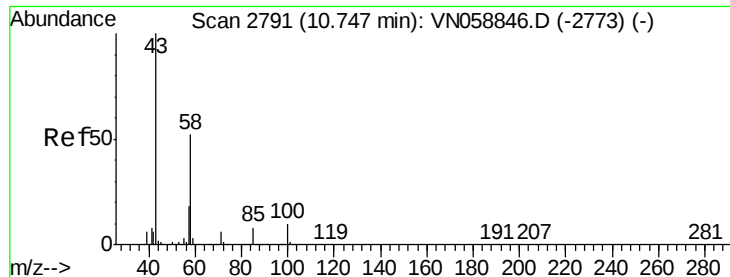
106 24.6 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

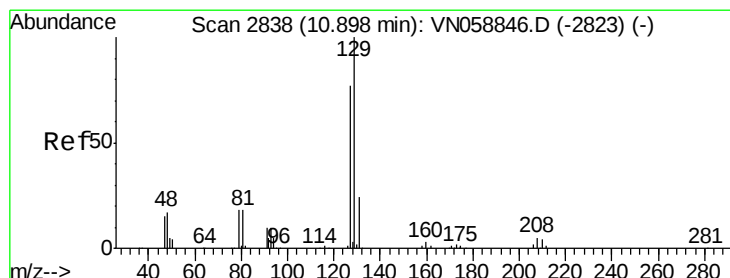
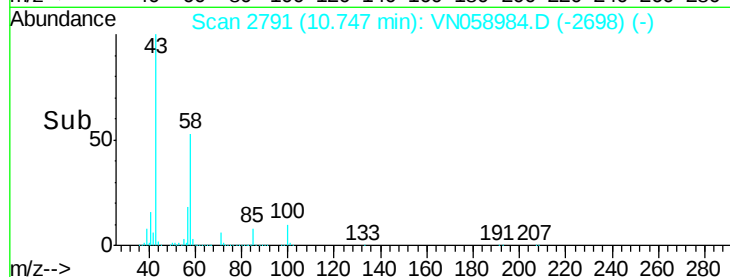
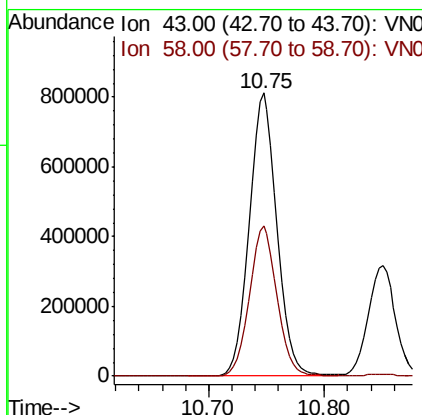
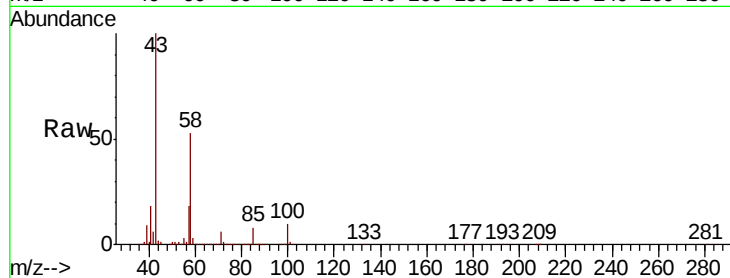




#59
2-Hexanone
Concen: 269.080 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

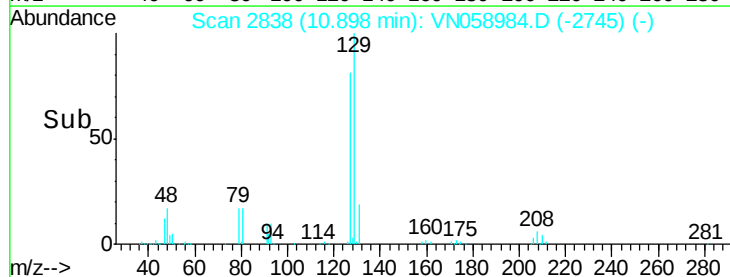
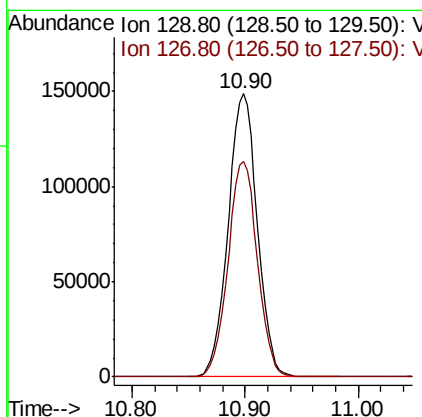
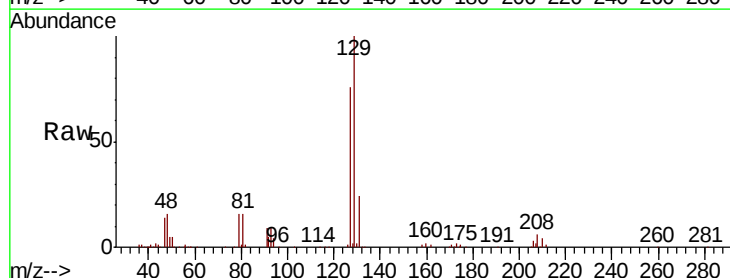
Instrument :
MSVOA_N
ClientSampled :

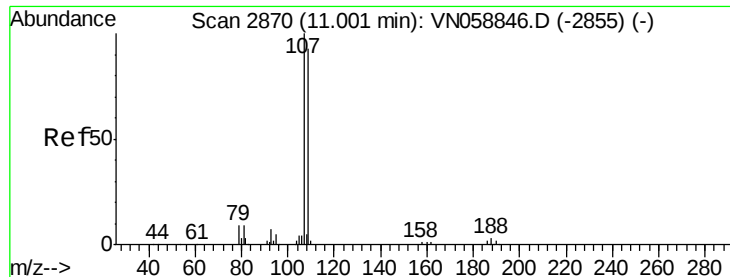
Tot Ion: 43 Resp: 1351909
Ion Ratio Lower Upper
43 100
58 52.9 25.9 77.7



#60
Dibromochloromethane
Concen: 54.201 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion: 129 Resp: 266586
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3

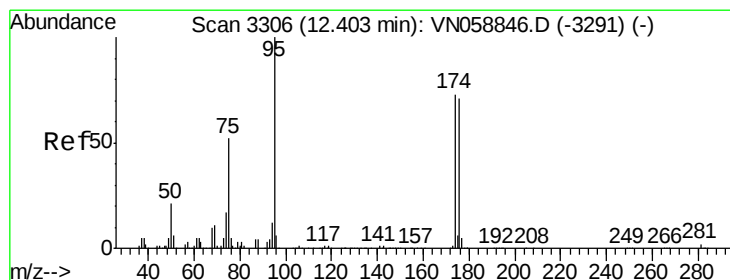
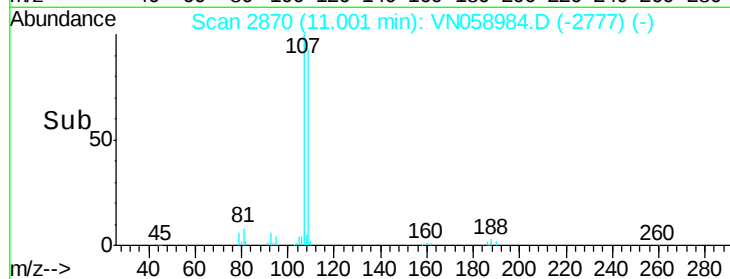
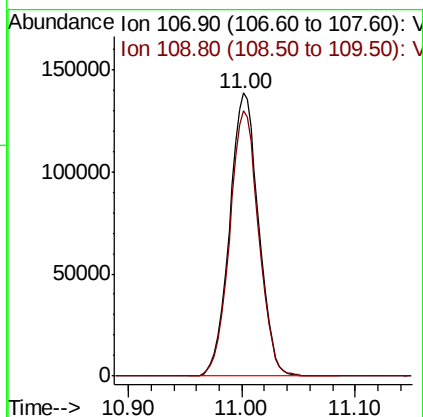
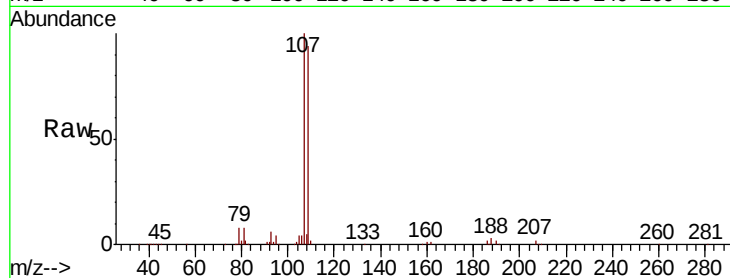




#61
 1,2-Dibromoethane
 Concen: 52.751 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

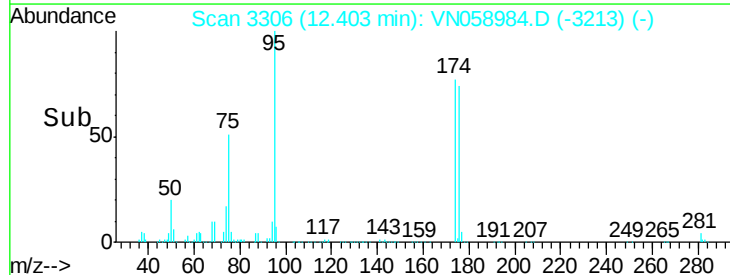
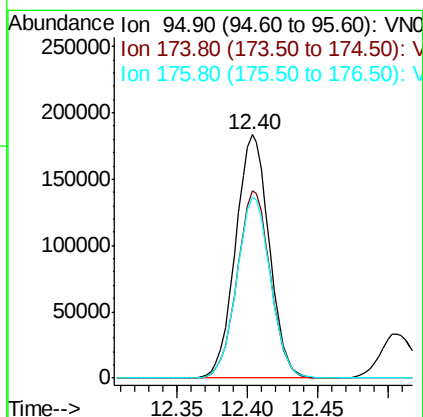
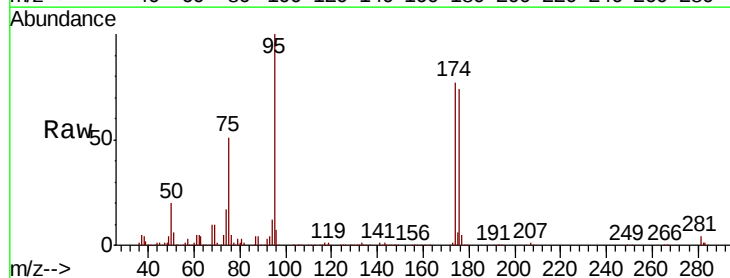
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 246686
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 52.644 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Tgt Ion: 95 Resp: 306991
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 147.6
 176 74.4 0.0 143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

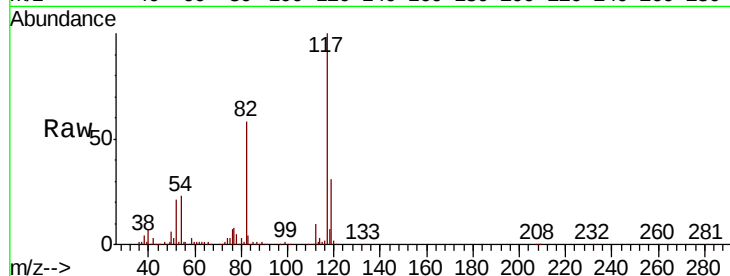
Tot Ion:117 Resp: 588152

Ion Ratio Lower Upper

117 100

82 57.8 46.6 69.8

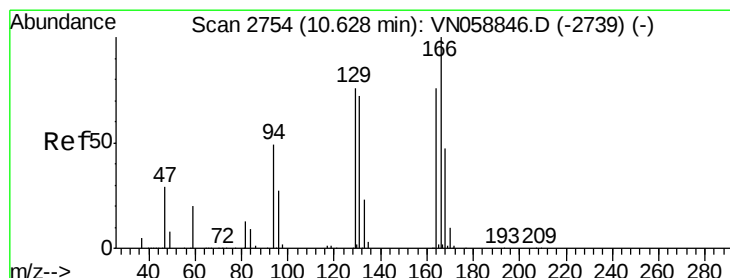
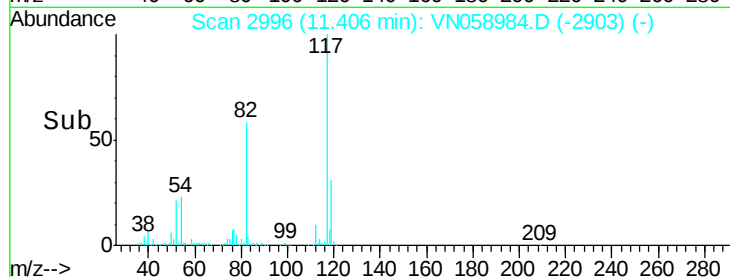
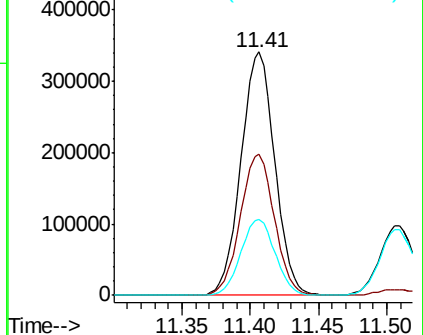
119 31.3 25.6 38.4



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: 52.421 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion:164 Resp: 215923

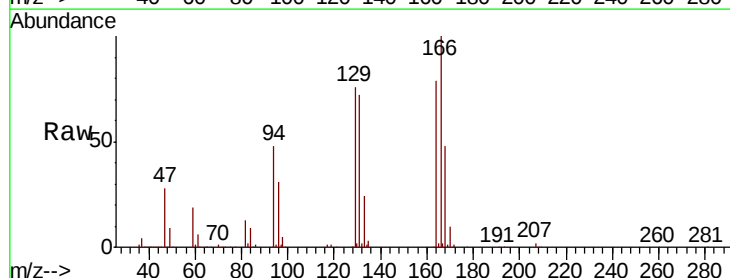
Ion Ratio Lower Upper

164 100

166 127.1 104.8 157.2

129 96.5 79.3 118.9

131 91.4 75.8 113.6

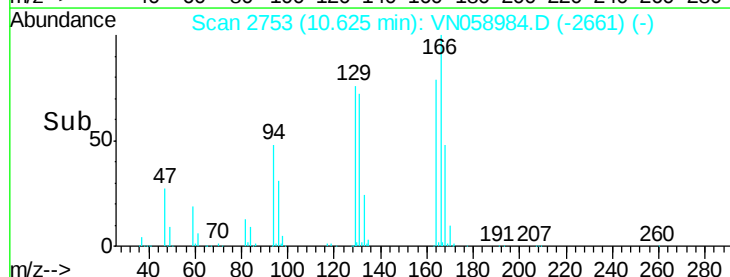
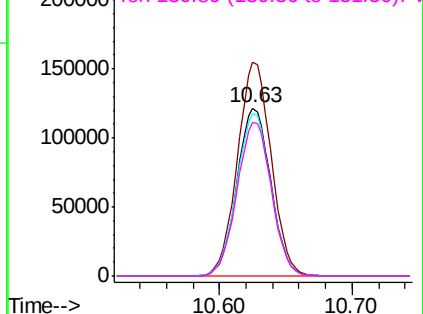


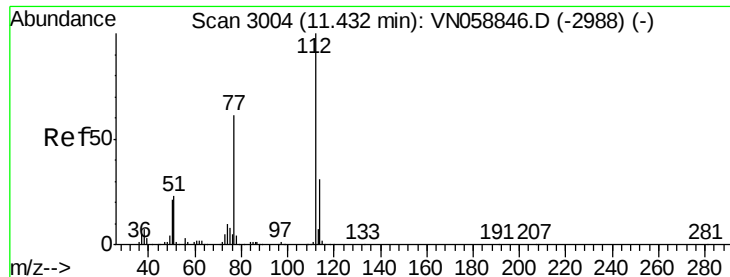
Abundance Ion 163.80 (163.50 to 164.50): V

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

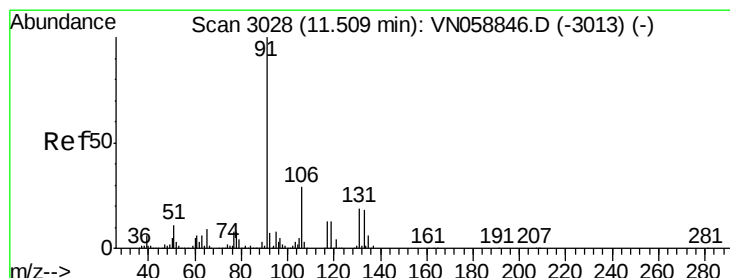
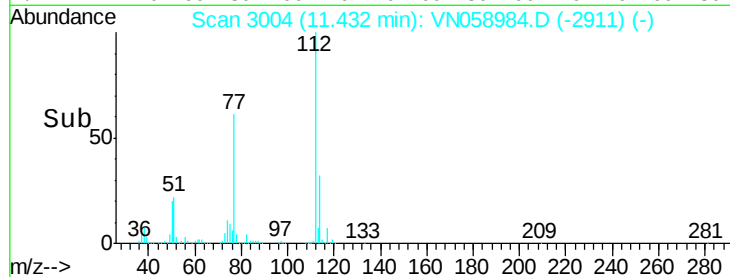
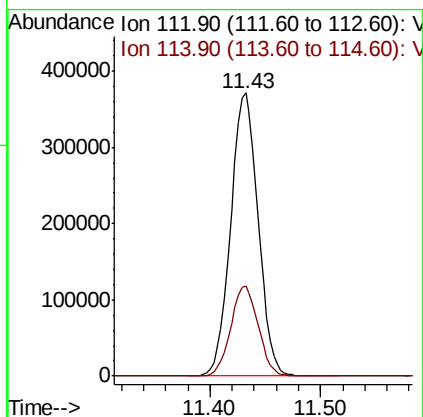
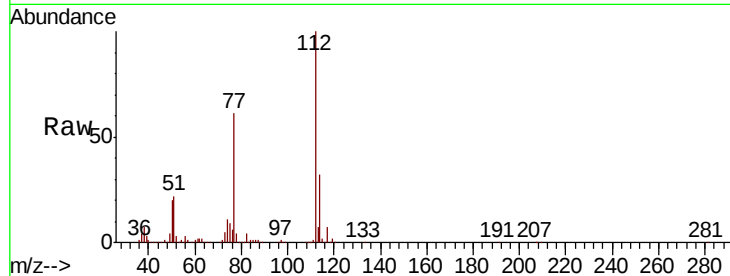




#65
Chlorobenzene
Concen: 53.448 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

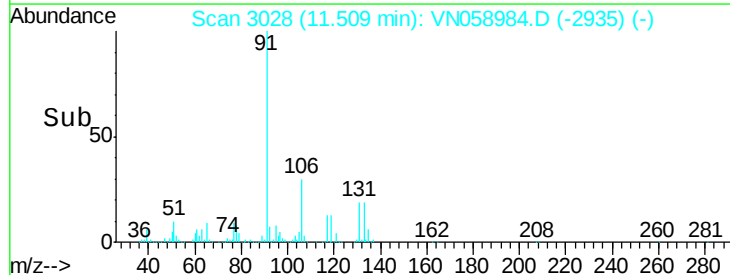
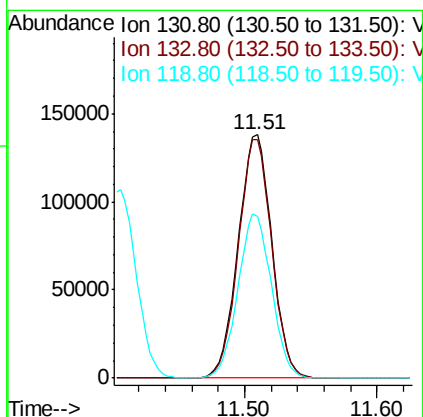
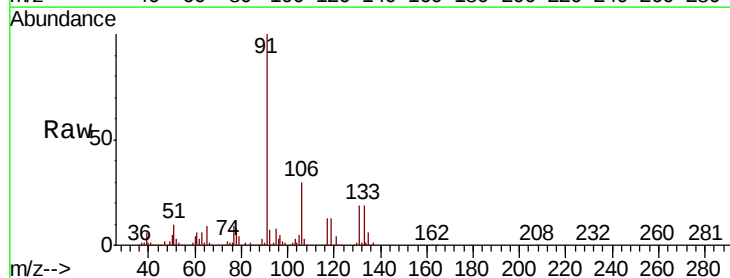
Instrument :
MSVOA_N
ClientSampled :

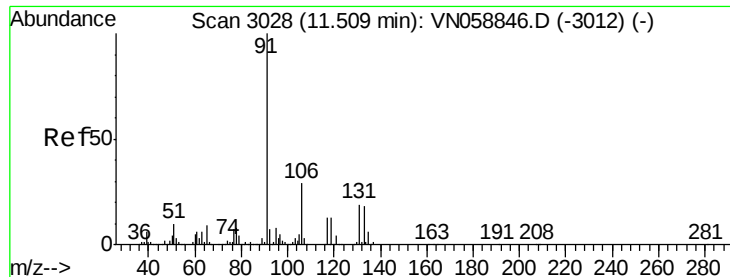
Tot Ion:112 Resp: 639985
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.749 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion:131 Resp: 242866
Ion Ratio Lower Upper
131 100
133 97.3 48.4 145.2
119 67.0 33.6 100.8





#67

Ethyl Benzene

Concen: 56.530 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

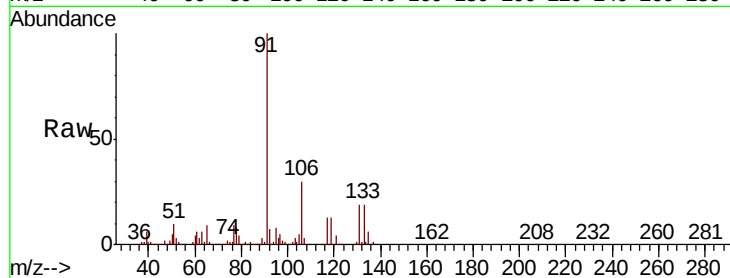
ClientSampled :

Tot Ion: 91 Resp: 1187427

Ion Ratio Lower Upper

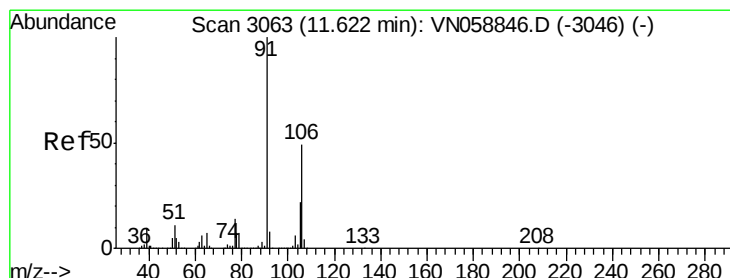
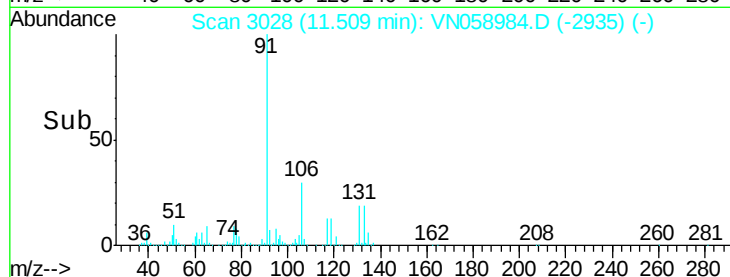
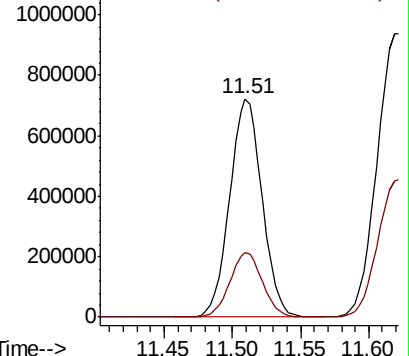
91 100

106 29.7 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 112.544 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058984.D

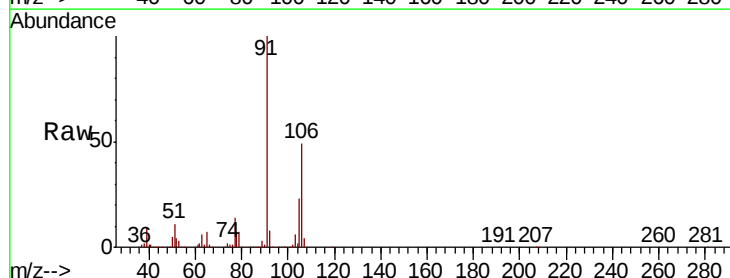
Acq: 28 Oct 2019 9:33

Tgt Ion: 106 Resp: 876684

Ion Ratio Lower Upper

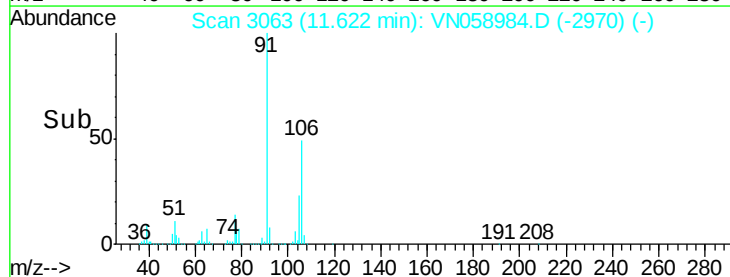
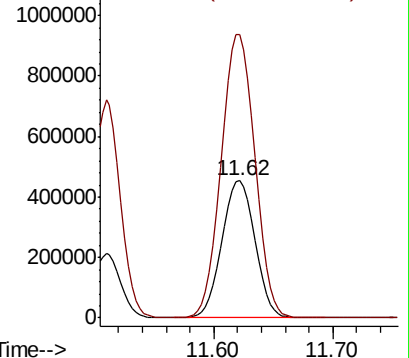
106 100

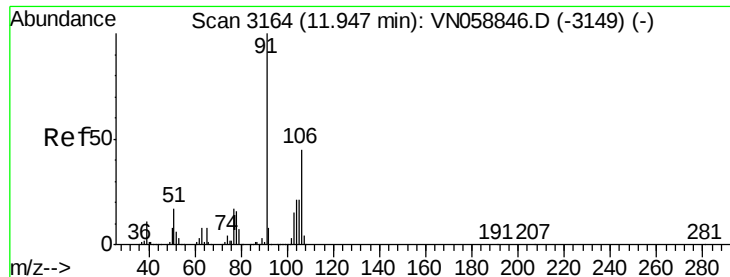
91 209.4 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

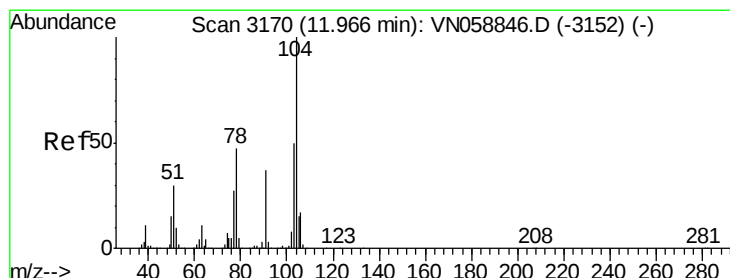
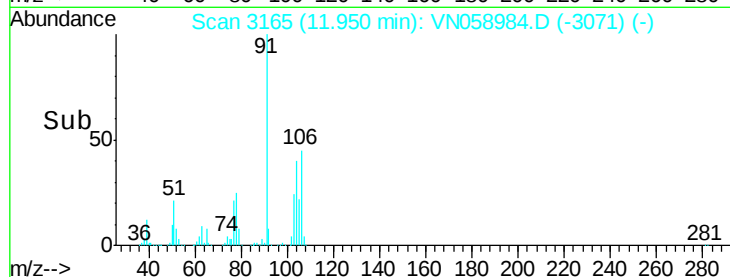
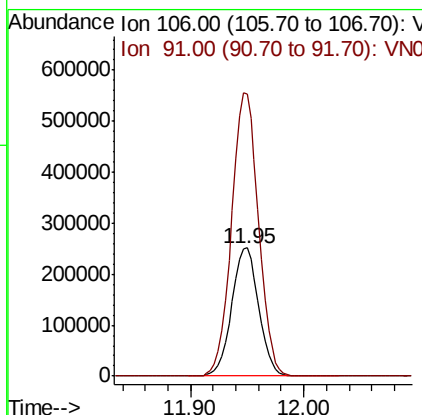
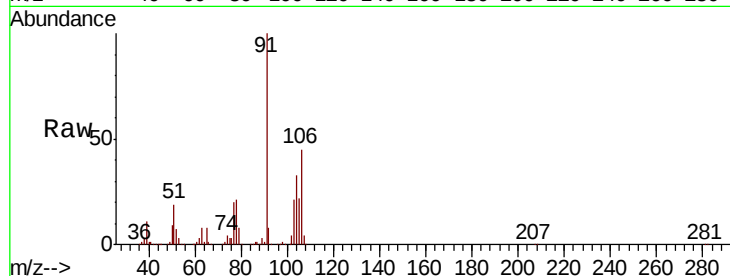




#69
o-Xylene
Concen: 56.130 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

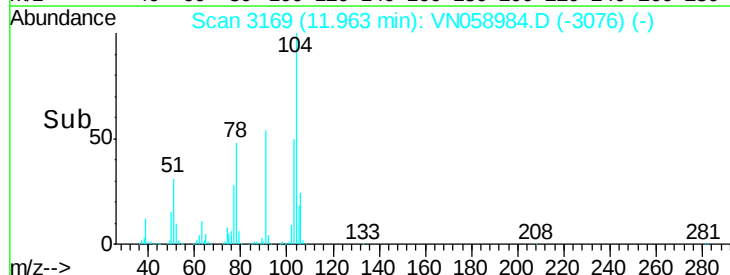
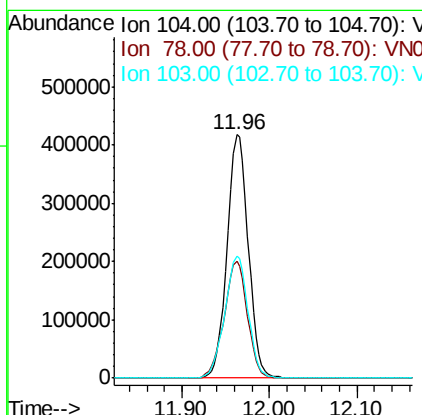
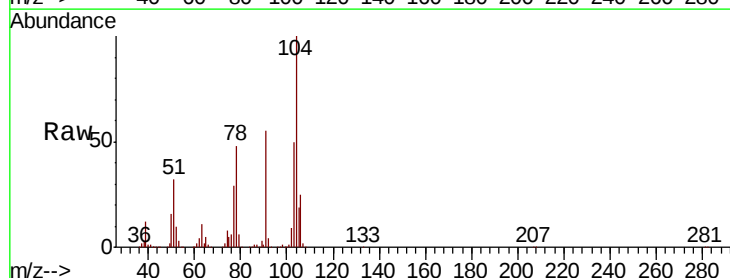
Instrument :
MSVOA_N
ClientSampled :

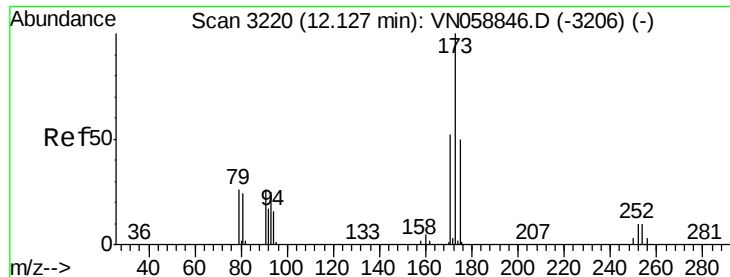
Tot Ion:106 Resp: 417006
Ion Ratio Lower Upper
106 100
91 220.5 111.5 334.4



#70
Styrene
Concen: 51.356 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058984.D
Acq: 28 Oct 2019 9:33

Tgt Ion:104 Resp: 704929
Ion Ratio Lower Upper
104 100
78 52.6 42.8 64.2
103 54.8 44.3 66.5





#71

Bromoform

Concen: 53.899 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

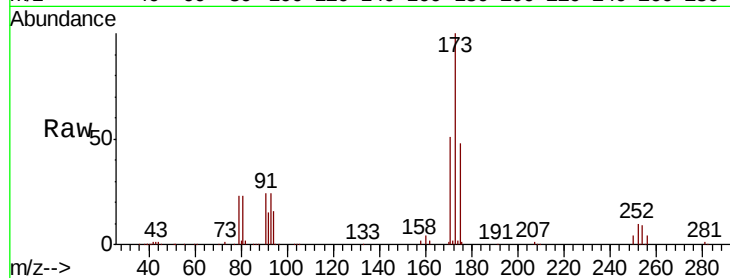
Tot Ion:173 Resp: 188853

Ion Ratio Lower Upper

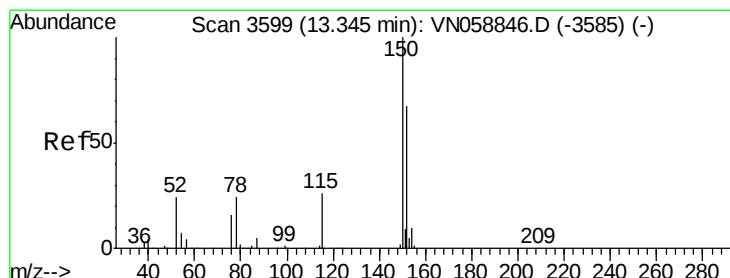
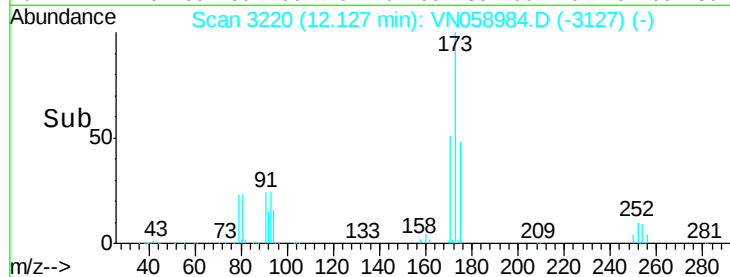
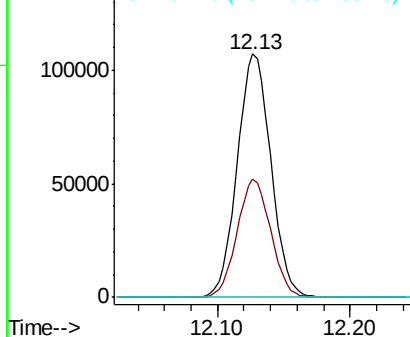
173 100

175 48.2 24.7 74.1

254 0.1 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# 3600

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

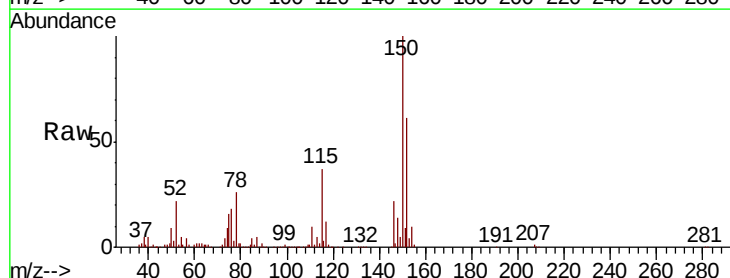
Tgt Ion:152 Resp: 295816

Ion Ratio Lower Upper

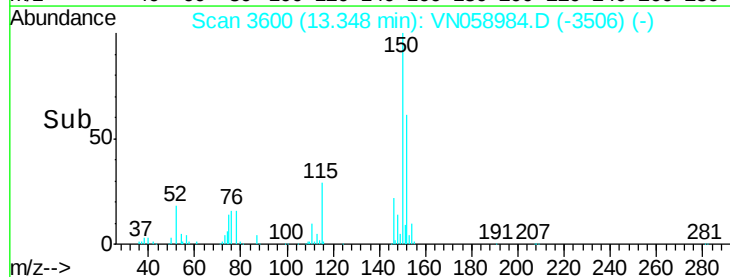
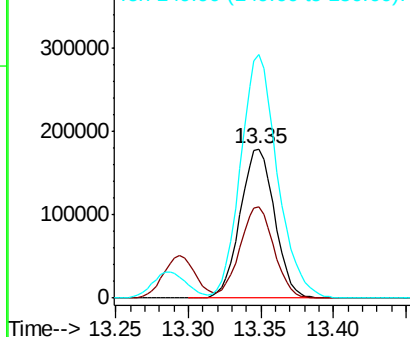
152 100

115 60.2 30.5 91.5

150 174.5 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: 53.021 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

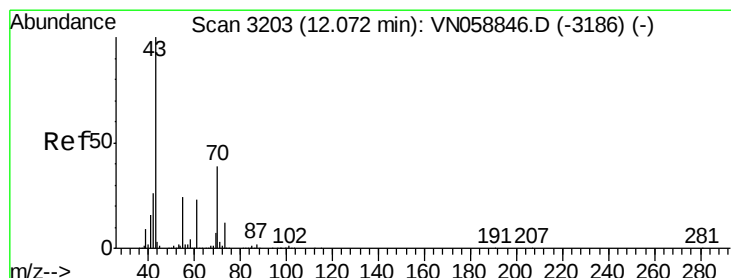
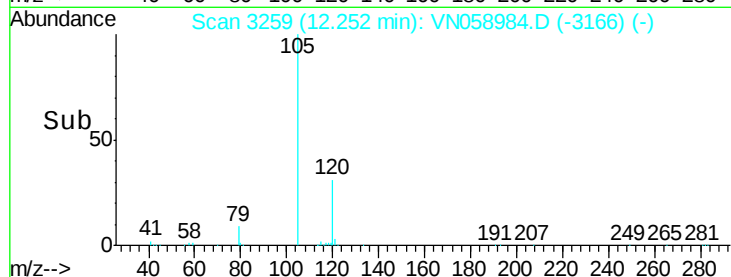
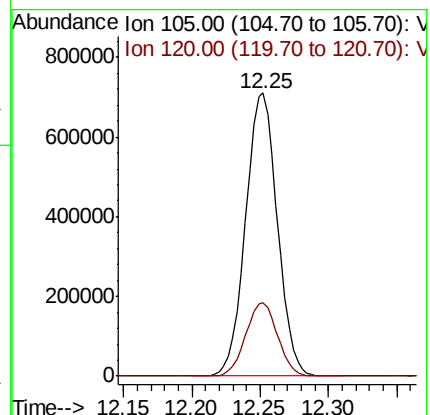
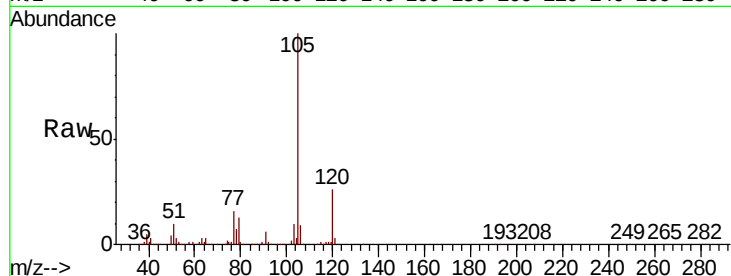
ClientSampled :

Tot Ion:105 Resp: 1146232

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



#74

N-ethyl acetate

Concen: 50.942 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion: 43 Resp: 499282

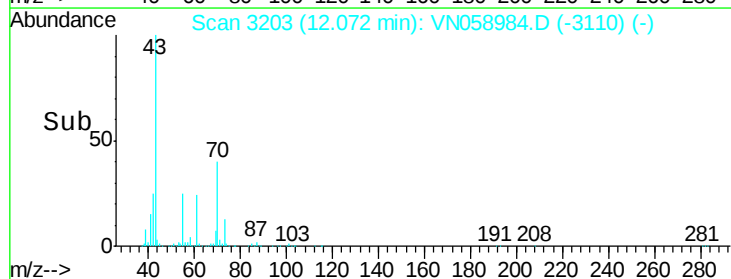
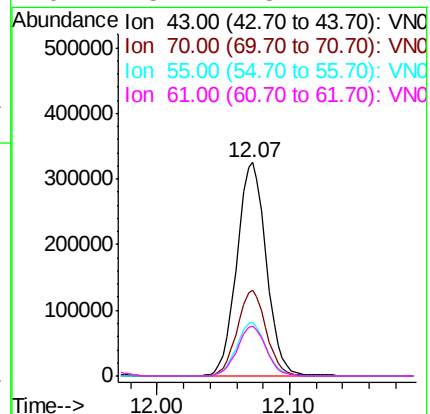
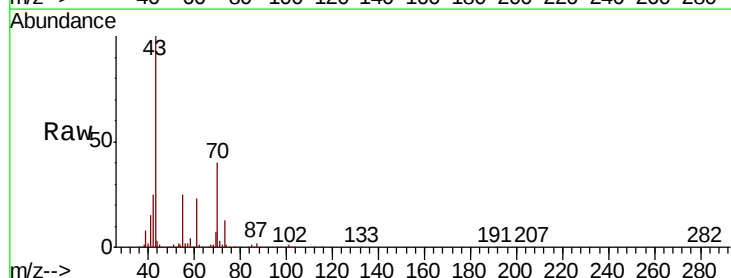
Ion Ratio Lower Upper

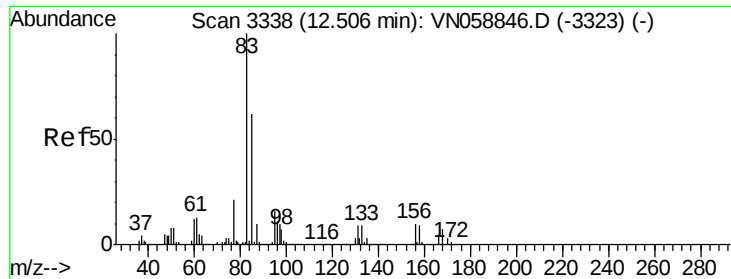
43 100

70 40.0 30.9 46.3

55 25.3 19.7 29.5

61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.383 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

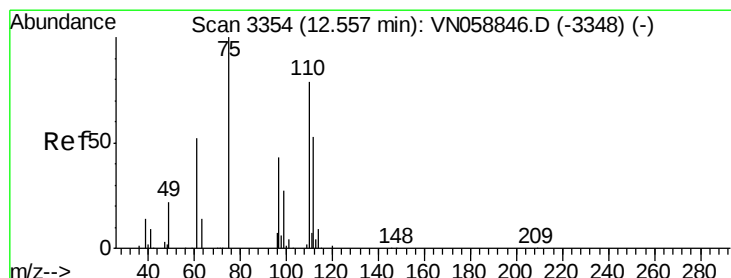
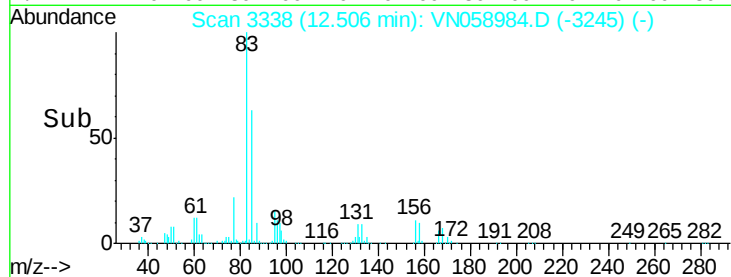
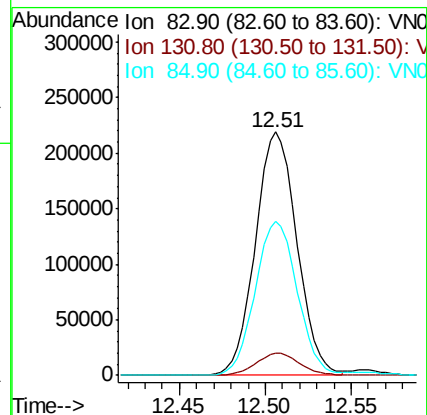
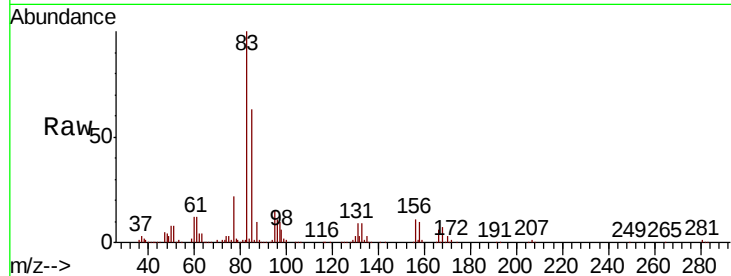
Tot Ion: 83 Resp: 367788

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

85 63.9 31.7 95.1



#76

1,2,3-Trichloropropane

Concen: 71.724 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058984.D

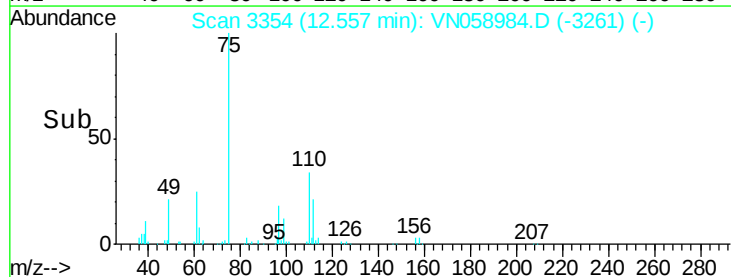
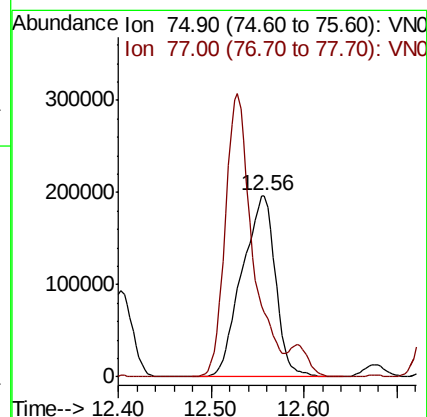
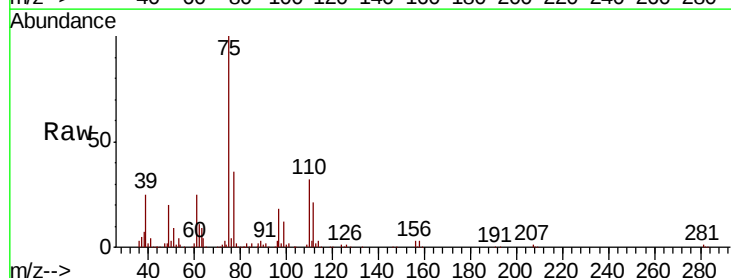
Acq: 28 Oct 2019 9:33

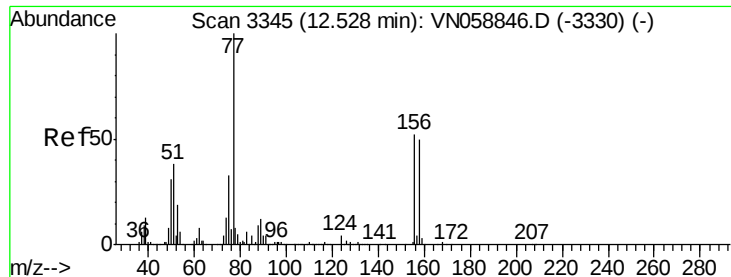
Tgt Ion: 75 Resp: 491731

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.921 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampled :

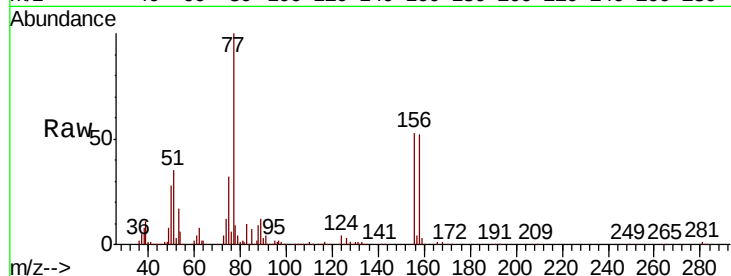
Tot Ion:156 Resp: 276666

Ion Ratio Lower Upper

156 100

77 227.8 118.0 354.0

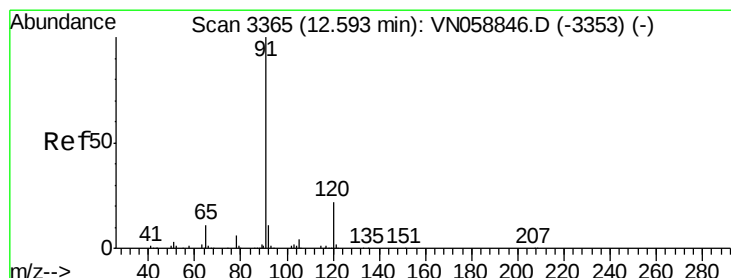
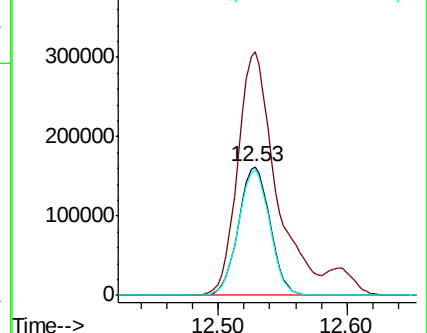
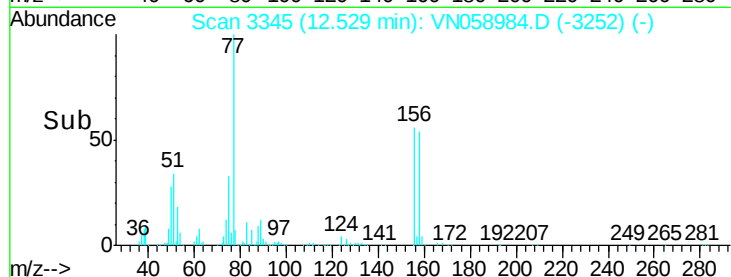
158 96.7 48.3 144.8



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: 53.668 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058984.D

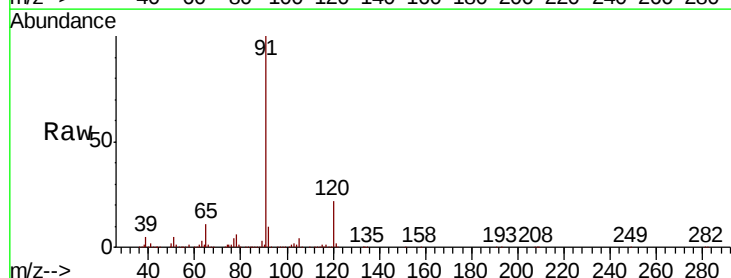
Acq: 28 Oct 2019 9:33

Tgt Ion: 91 Resp: 1371449

Ion Ratio Lower Upper

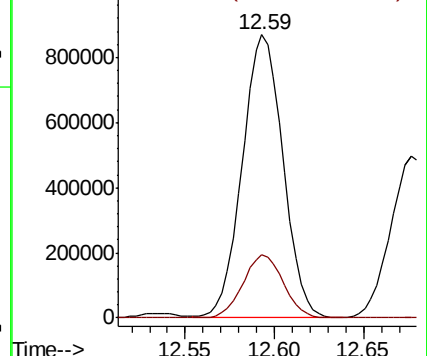
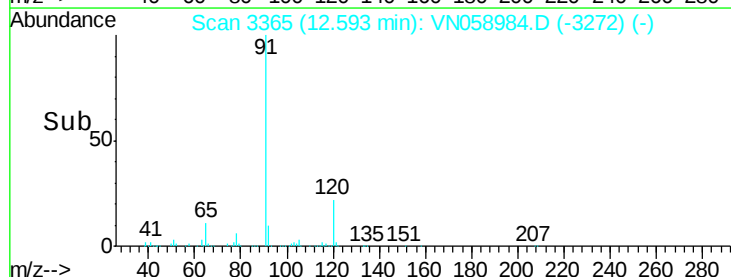
91 100

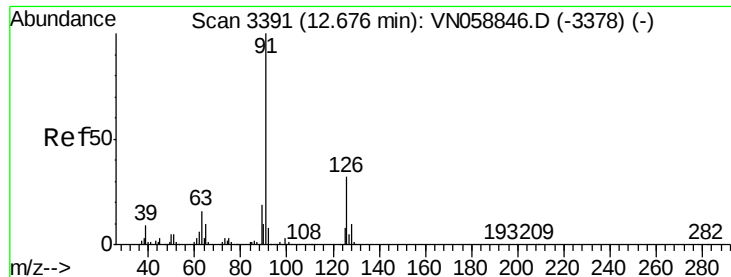
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.087 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

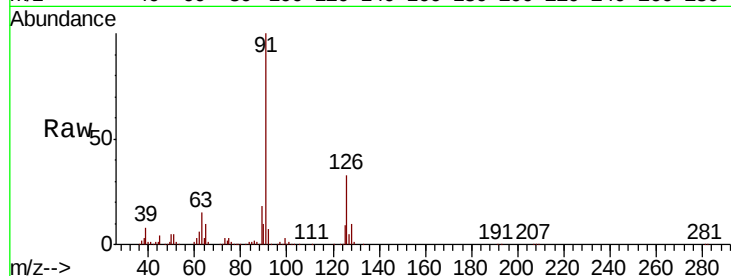
ClientSampleId :

Tot Ion: 91 Resp: 814645

Ion Ratio Lower Upper

91 100

126 33.0 16.2 48.6



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

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

600000

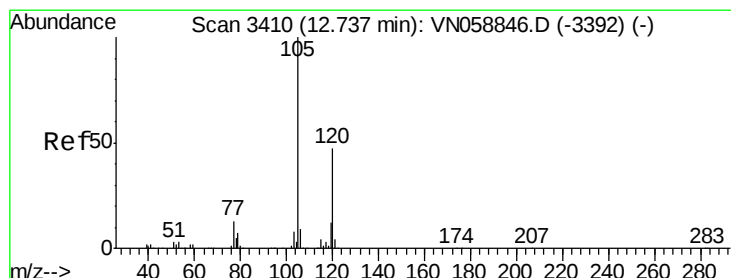
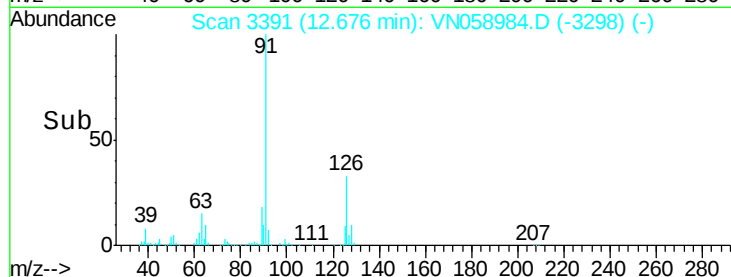
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.855 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058984.D

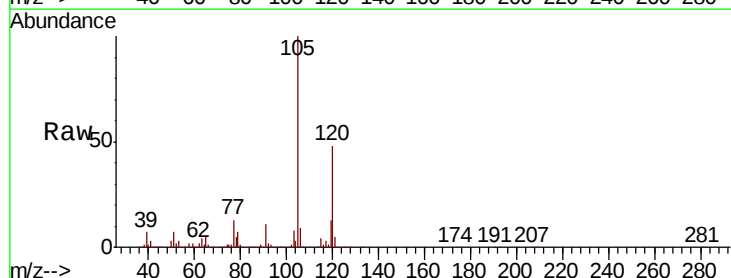
Acq: 28 Oct 2019 9:33

Tgt Ion: 105 Resp: 996367

Ion Ratio Lower Upper

105 100

120 47.6 23.8 71.5



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

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

600000

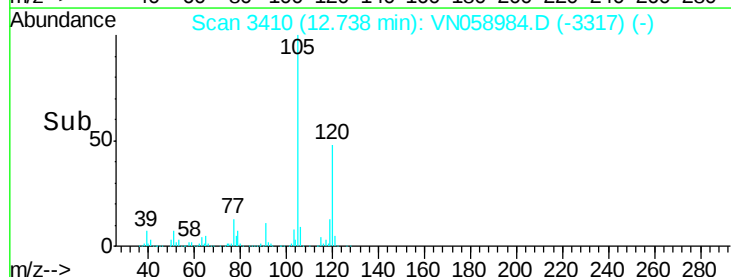
400000

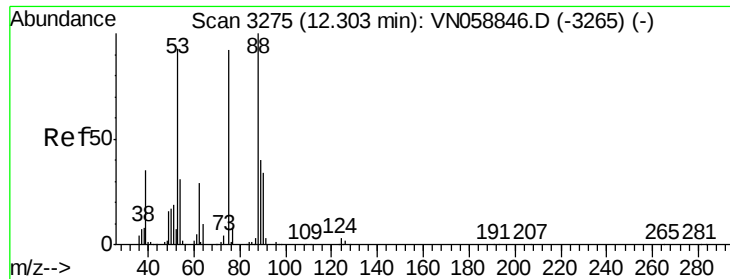
200000

0

12.70 12.74 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.244 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

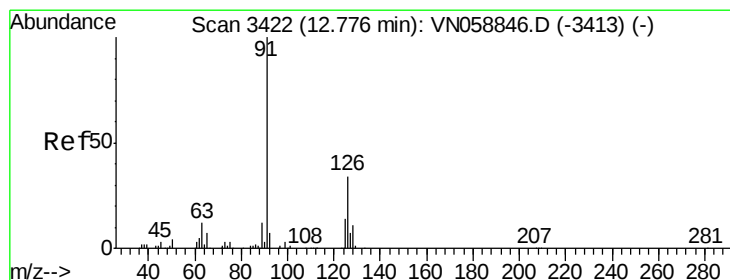
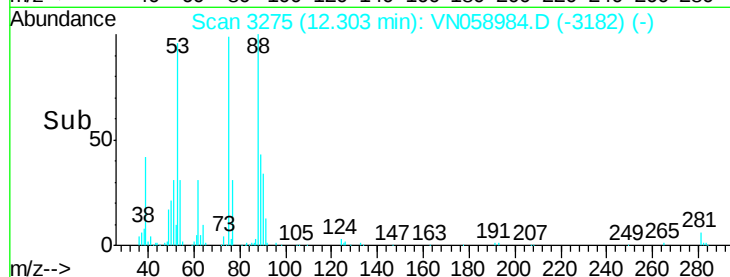
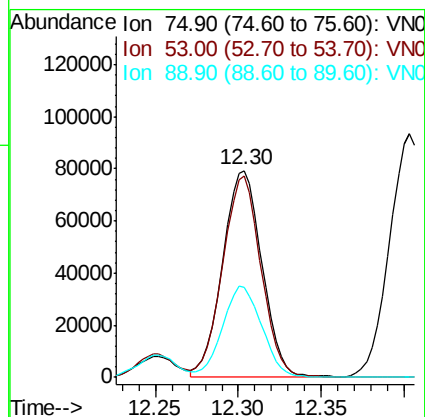
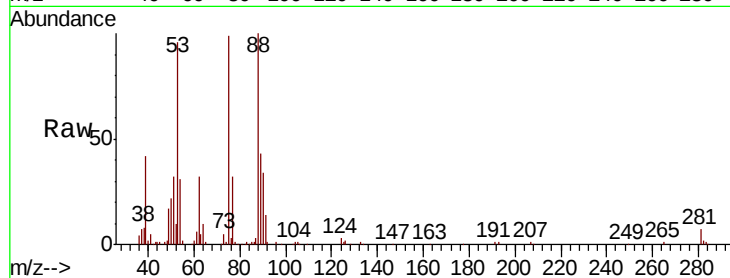
Tot Ion: 75 Resp: 129598

Ion Ratio Lower Upper

75 100

53 95.5 78.6 118.0

89 44.6 35.4 53.0



#82

4-Chlorotoluene

Concen: 53.144 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058984.D

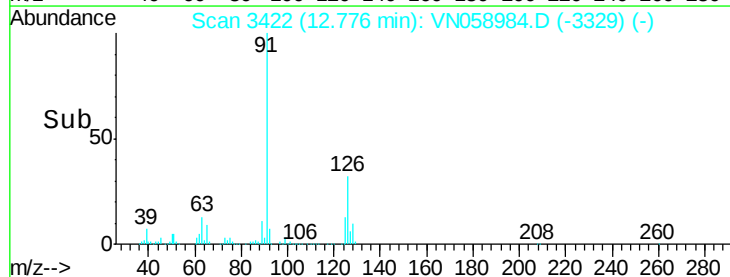
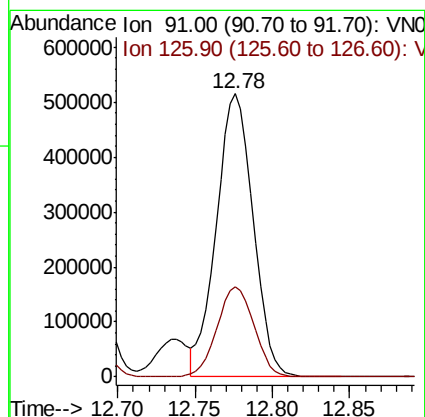
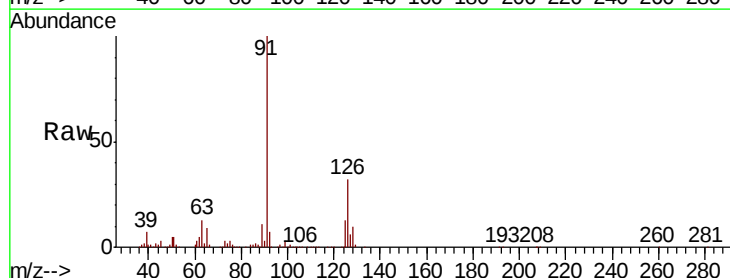
Acq: 28 Oct 2019 9:33

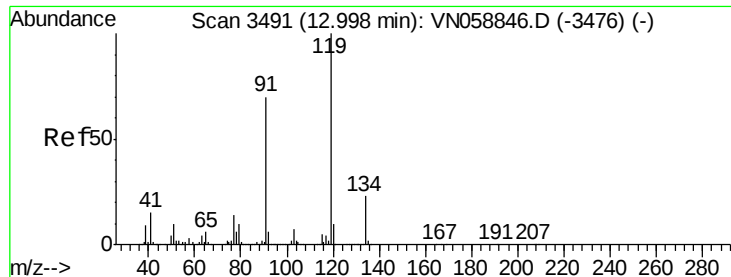
Tgt Ion: 91 Resp: 849406

Ion Ratio Lower Upper

91 100

126 32.1 16.0 47.9





#83

tert-Butylbenzene

Concen: 54.002 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

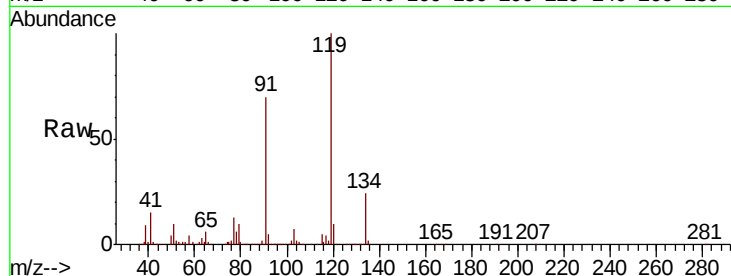
Tot Ion:119 Resp: 838771

Ion Ratio Lower Upper

119 100

91 67.6 34.1 102.3

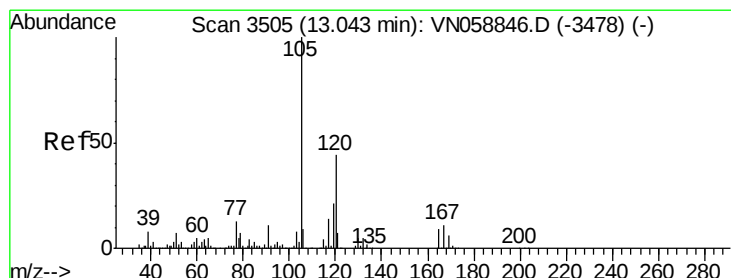
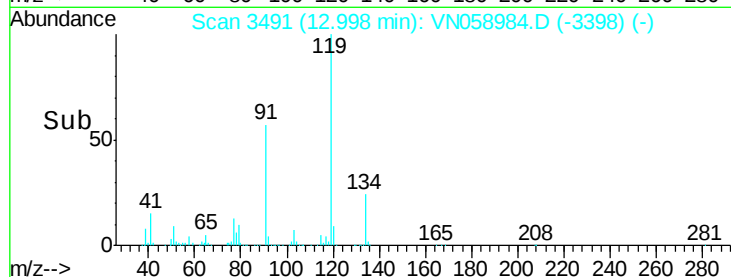
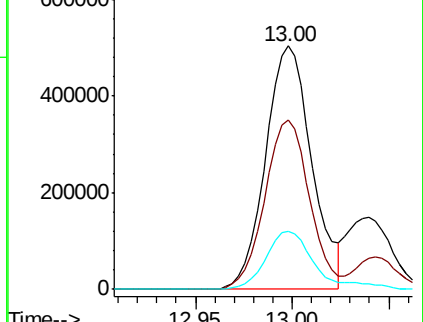
134 25.4 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.081 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058984.D

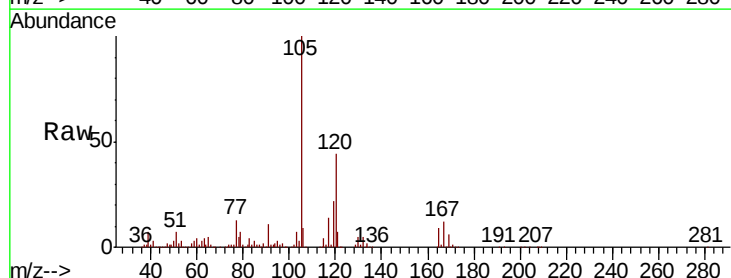
Acq: 28 Oct 2019 9:33

Tgt Ion:105 Resp: 1004719

Ion Ratio Lower Upper

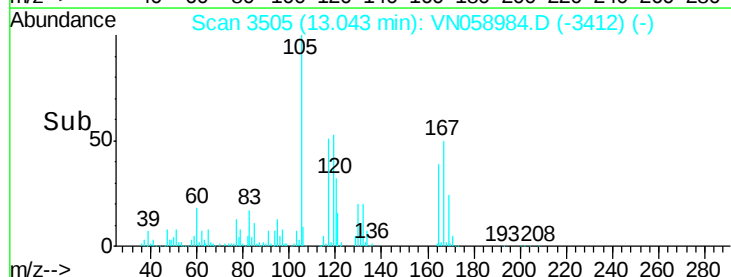
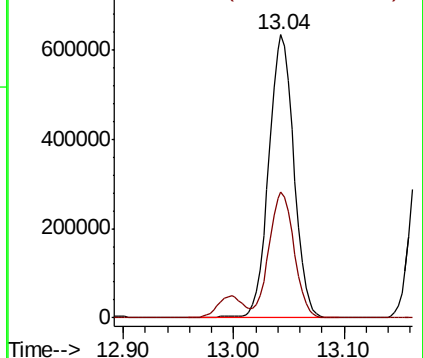
105 100

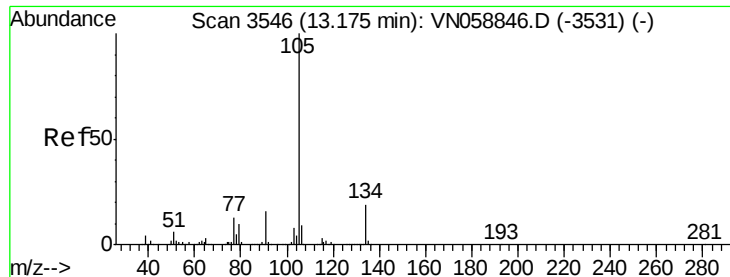
120 44.7 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.006 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

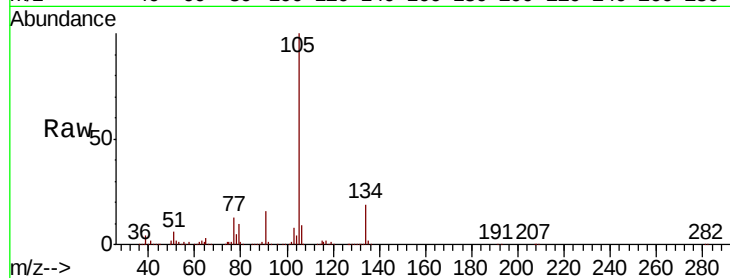
ClientSampled :

Tot Ion:105 Resp: 1139087

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

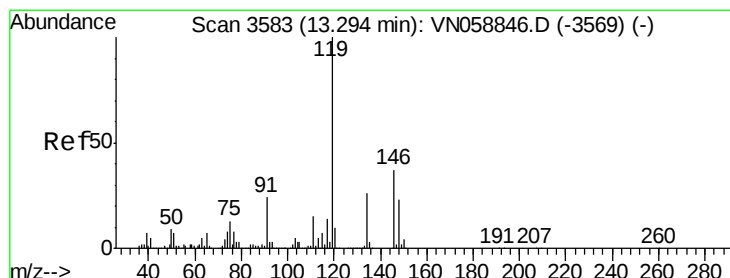
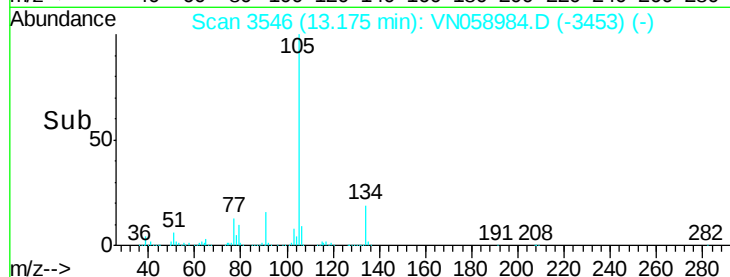
200000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 56.739 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

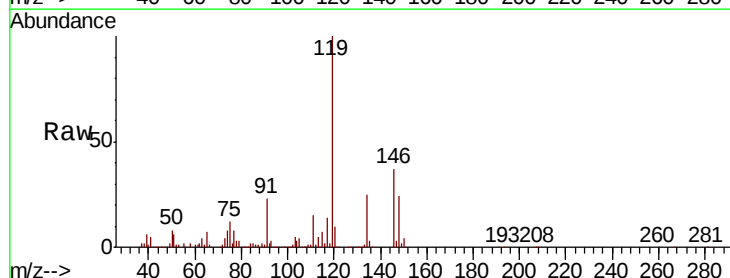
Tgt Ion:119 Resp: 1036743

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 23.9 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

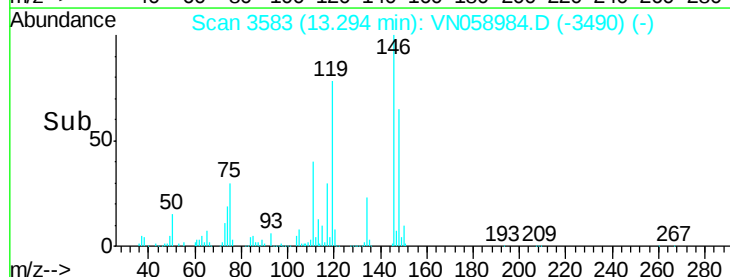
0

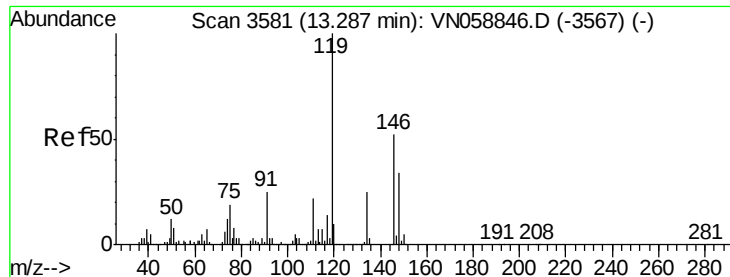
13.25

13.30

13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 53.255 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058984.D

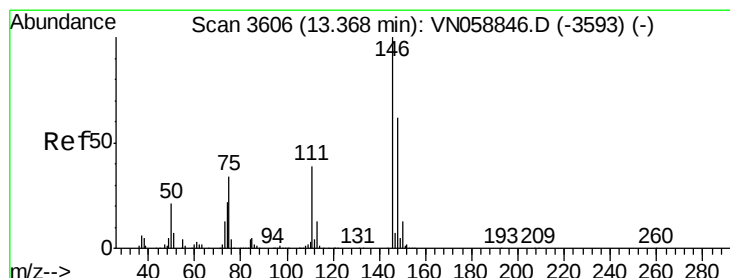
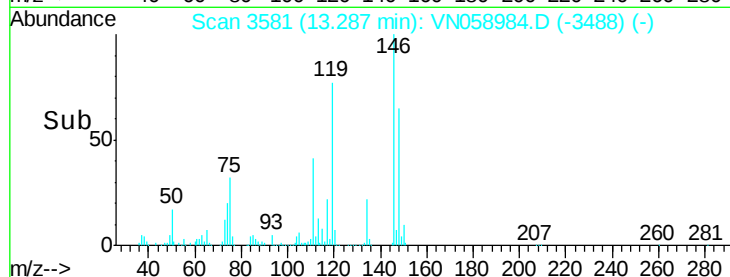
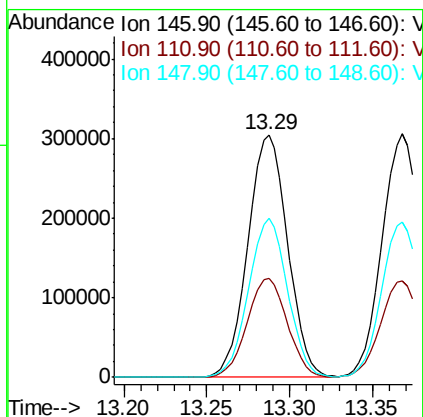
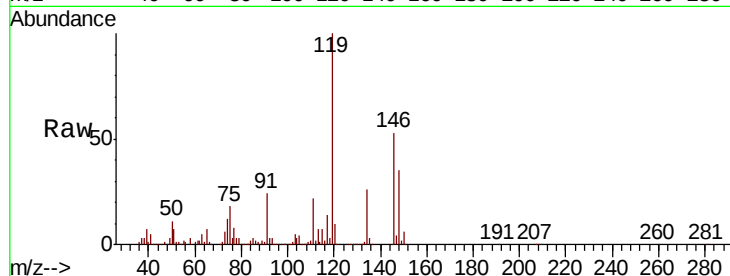
Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146	Resp:	507408
Ion Ratio	Lower	Upper
146	100	
111	41.1	21.0 63.0
148	64.2	32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 52.490 ug/l

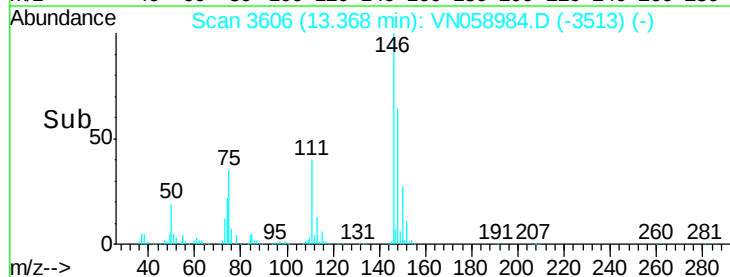
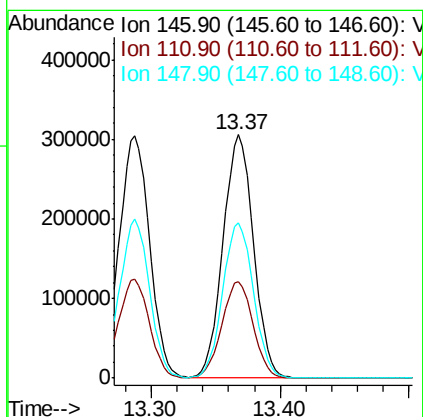
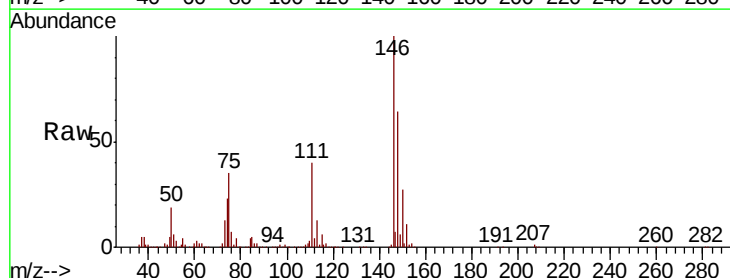
RT: 13.37 min Scan# 3606

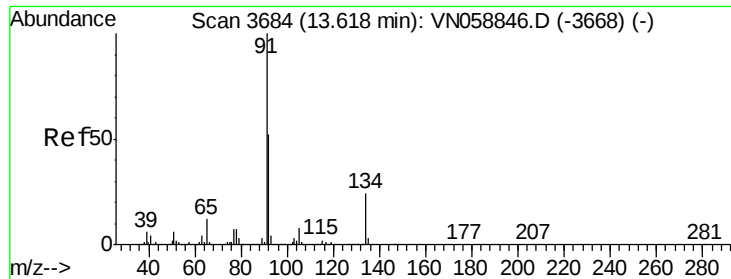
Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Tgt Ion:146	Resp:	500720
Ion Ratio	Lower	Upper
146	100	
111	40.6	20.2 60.6
148	64.3	31.6 94.7





#89

n-Butylbenzene

Concen: 55.837 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampled :

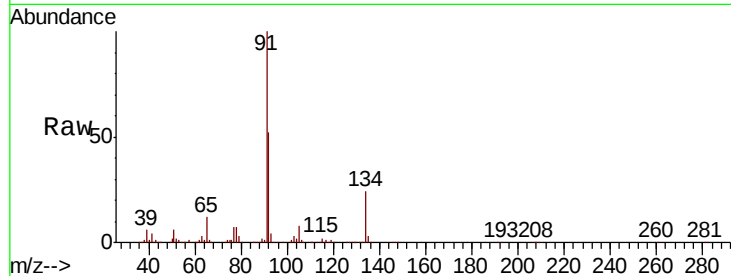
Tot Ion: 91 Resp: 937230

Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.1
134	24.4	11.9	35.5

91 100

92 51.4 25.7 77.1

134 24.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

200000

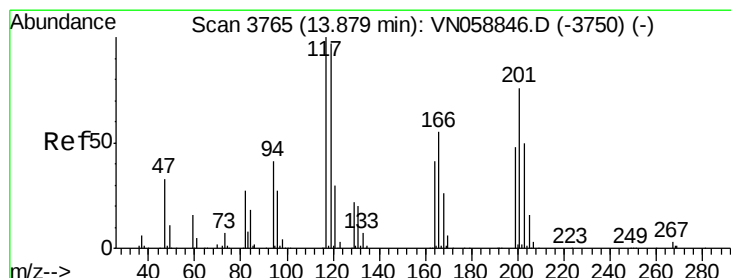
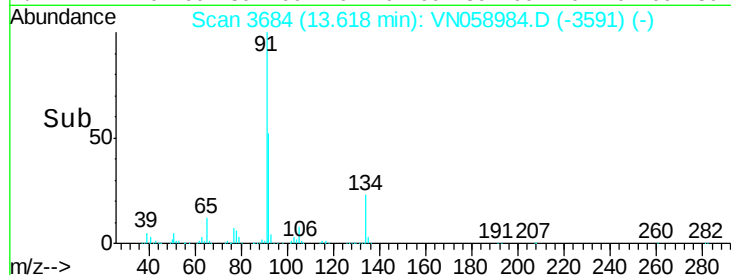
0

13.62

13.60

13.70

Time-->



#90

Hexachloroethane

Concen: 51.037 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058984.D

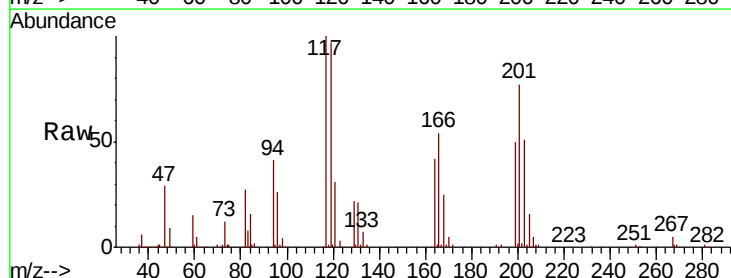
Acq: 28 Oct 2019 9:33

Tgt Ion: 117 Resp: 188968

Ion	Ratio	Lower	Upper
117	100		
201	78.0	38.9	116.6

117 100

201 78.0 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

120000

100000

80000

60000

40000

20000

0

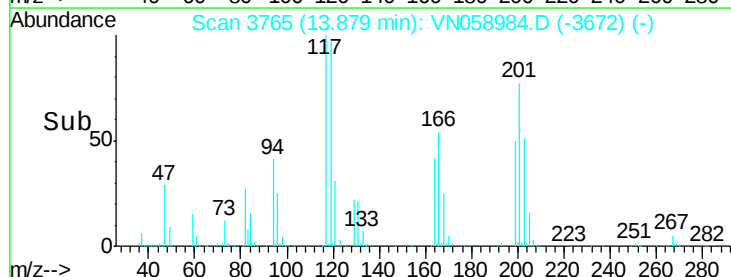
13.88

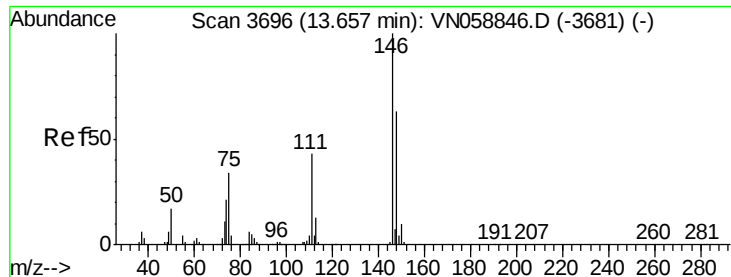
13.85

13.90

13.95

Time-->

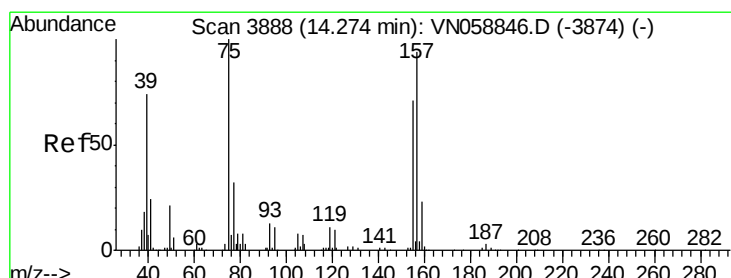
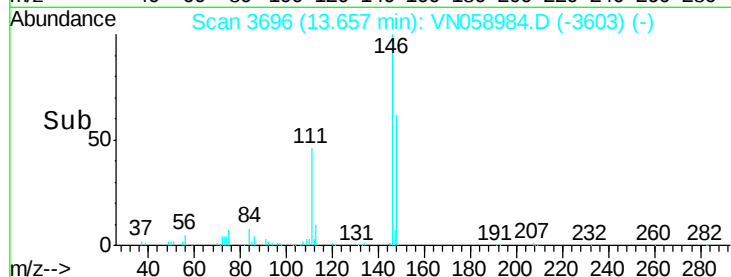
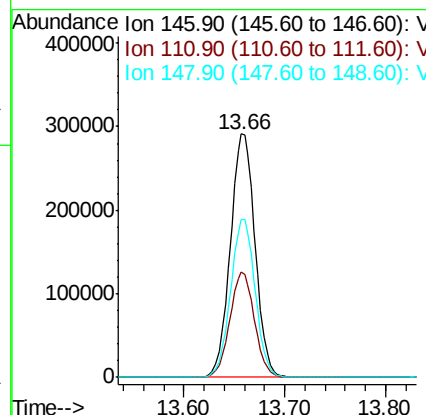
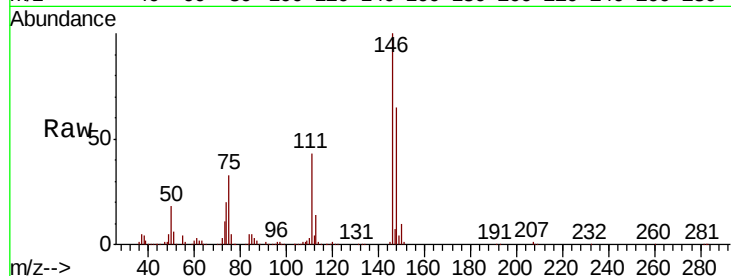




#91
 1,2-Dichlorobenzene
 Concen: 53.107 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

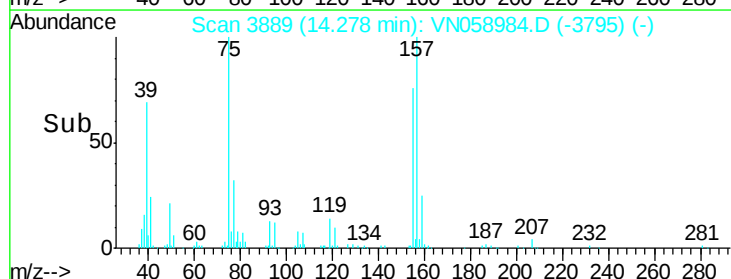
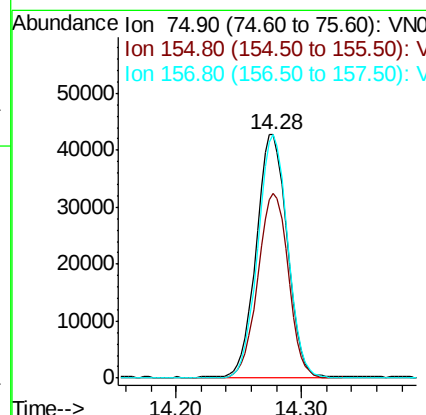
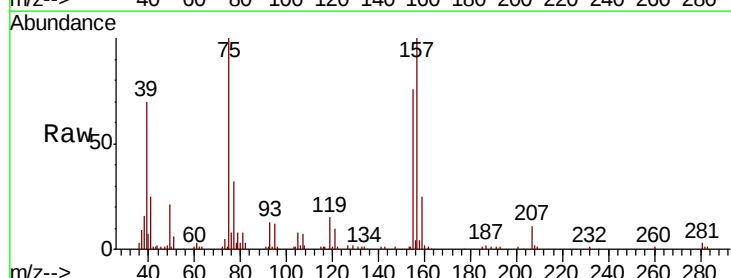
Instrument :
 MSVOA_N
 ClientSampleId :

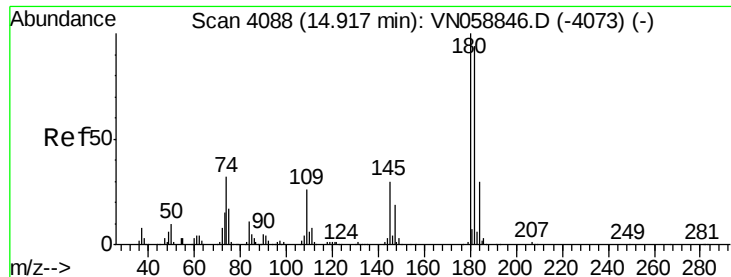
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	64.8	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.239 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	35.6	106.8
157	95.3	47.4	142.2

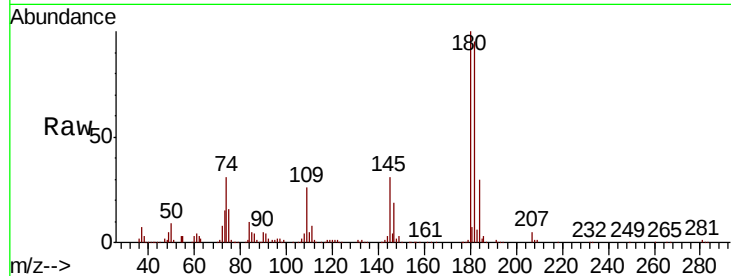




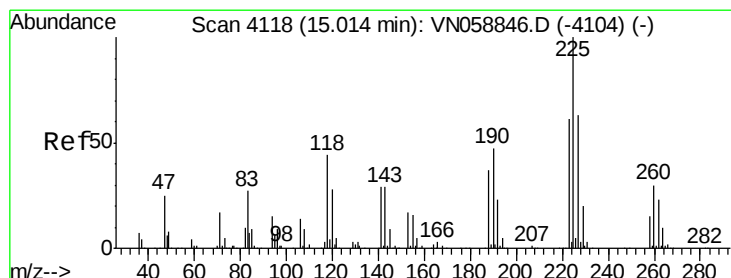
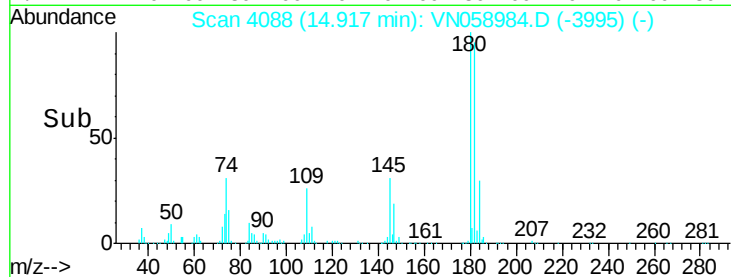
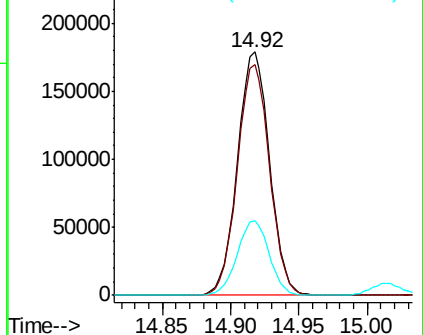
#93
 1,2,4-Trichlorobenzene
 Concen: 49.618 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	30.6	15.3	45.8

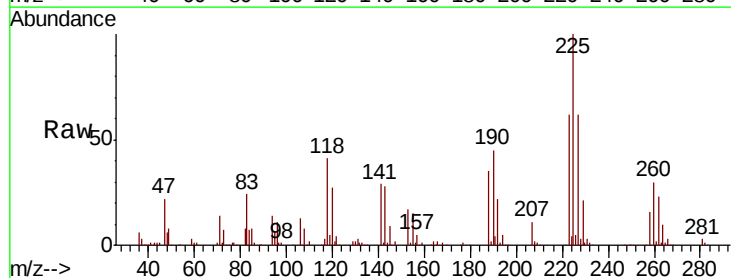


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

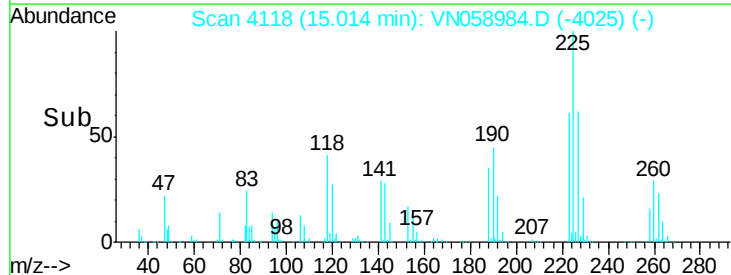
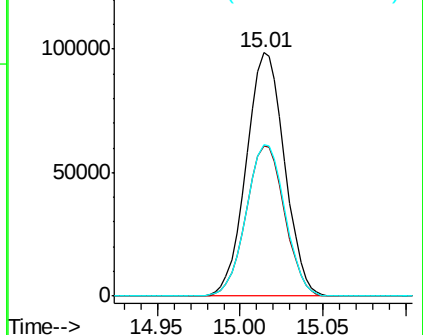


#94
 Hexachlorobutadiene
 Concen: 52.108 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058984.D
 Acq: 28 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.9	92.5
227	63.3	31.6	94.7



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





#95

Naphthalene

Concen: 45.676 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

Instrument :

MSVOA_N

ClientSampled :

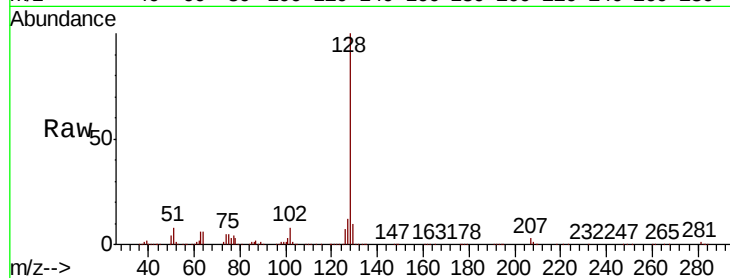
Tot Ion:128 Resp: 770515

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

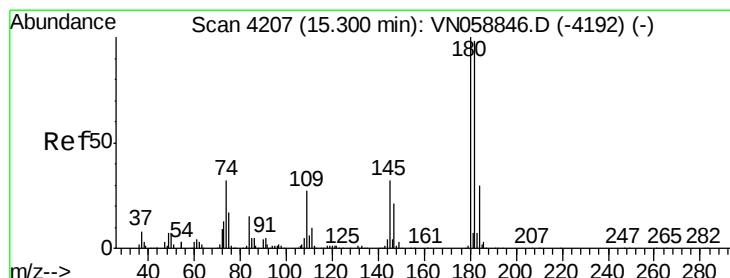
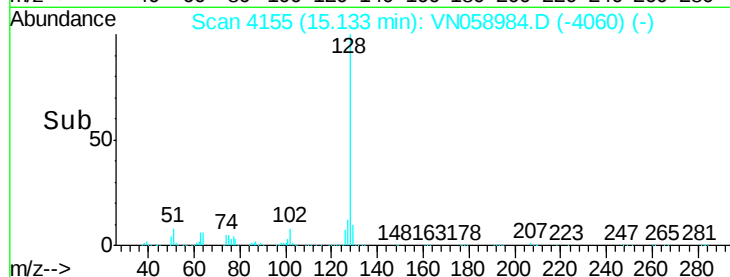
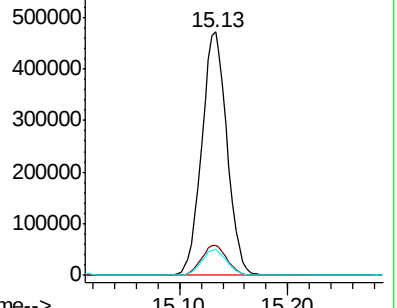
129 10.6 8.4 12.6



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: 49.142 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058984.D

Acq: 28 Oct 2019 9:33

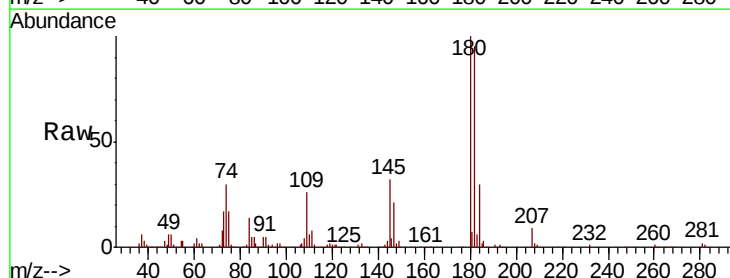
Tgt Ion:180 Resp: 281793

Ion Ratio Lower Upper

180 100

182 94.7 47.9 143.7

145 31.8 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

