

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN020320\
 Data File : VN059970.D
 Acq On : 3 Feb 2020 13:31
 Operator : JC/MD
 Sample : VN0203WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

Quant Time: Feb 03 14:10:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	301760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	274315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128753	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	117953	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
35) Dibromofluoromethane	7.57	113	94907	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
50) Toluene-d8	10.08	98	358272	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.40	95	130743	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.83	85	37971	16.47	ug/l	100
3) Chloromethane	2.04	50	40750	18.58	ug/l	98
4) Vinyl Chloride	2.17	62	52501	20.93	ug/l	99
5) Bromomethane	2.55	94	29977	19.58	ug/l	98
6) Chloroethane	2.69	64	24098	20.30	ug/l	99
7) Trichlorofluoromethane	3.01	101	59248	19.66	ug/l	97
8) Diethyl Ether	3.39	74	22217	21.01	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34937	20.83	ug/l	96
10) Methyl Iodide	3.93	142	44567	16.44	ug/l	96
11) Tert butyl alcohol	4.73	59	37824	105.64	ug/l #	84
12) 1,1-Dichloroethene	3.72	96	32951	18.81	ug/l	93
13) Acrolein	3.58	56	13857	54.67	ug/l	93
14) Allyl chloride	4.30	41	49724	21.05	ug/l #	87
15) Acrylonitrile	4.95	53	89850	110.01	ug/l	99
16) Acetone	3.78	43	93441	123.75	ug/l	99
17) Carbon Disulfide	4.03	76	80488	16.13	ug/l	98
18) Methyl Acetate	4.29	43	55564	22.37	ug/l	93
19) Methyl tert-butyl Ether	5.01	73	121965	21.35	ug/l	97
20) Methylene Chloride	4.53	84	39996	20.01	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	35653	19.14	ug/l	92
22) Diisopropyl ether	5.92	45	113576	21.22	ug/l	92
23) Vinyl Acetate	5.86	43	431467	104.12	ug/l #	95
24) 1,1-Dichloroethane	5.82	63	68619	20.98	ug/l	98
25) 2-Butanone	6.80	43	125704	104.37	ug/l	95
26) 2,2-Dichloropropane	6.80	77	64158	20.41	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	44260	20.66	ug/l	89
28) Bromochloromethane	7.17	49	27903	21.35	ug/l #	18
29) Tetrahydrofuran	7.18	42	78254	105.01	ug/l	89
30) Chloroform	7.35	83	71511	21.10	ug/l	99
31) Cyclohexane	7.63	56	59173	18.80	ug/l #	89
32) 1,1,1-Trichloroethane	7.55	97	65082	20.77	ug/l	97
36) 1,1-Dichloropropene	7.77	75	51616	19.64	ug/l	96
37) Ethyl Acetate	6.90	43	51409	20.86	ug/l	97
38) Carbon Tetrachloride	7.75	117	57099	19.97	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	58307	17.99	ug/l	95
40) Benzene	8.02	78	155705	19.87	ug/l	100
41) Methacrylonitrile	7.18	41	72827	59.99	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	57289	21.56	ug/l	97
43) Isopropyl Acetate	8.14	43	85165	20.09	ug/l	96
44) Trichloroethene	8.82	130	44118	20.62	ug/l	94
45) 1,2-Dichloropropane	9.10	63	40491	20.88	ug/l	98
46) Dibromomethane	9.19	93	28505	20.84	ug/l	92
47) Bromodichloromethane	9.39	83	58101	21.08	ug/l	99
48) Methyl methacrylate	9.18	41	36536	19.27	ug/l	90
49) 1,4-Dioxane	9.18	88	14932	430.15	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	255679	104.33	ug/l	96
52) Toluene	10.14	92	98615	19.92	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	64457	20.94	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	68102	21.03	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	41808	21.32	ug/l	96
56) Ethyl methacrylate	10.42	69	58122	19.40	ug/l	95
57) 1,3-Dichloropropane	10.70	76	68072	21.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	96420	106.85	ug/l	93
59) 2-Hexanone	10.74	43	187103	103.64	ug/l	95
60) Dibromochloromethane	10.89	129	44812	20.07	ug/l	98
61) 1,2-Dibromoethane	11.00	107	42317	20.59	ug/l	97
64) Tetrachloroethene	10.62	164	45730	20.45	ug/l	94
65) Chlorobenzene	11.43	112	108816	20.18	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	42893	20.59	ug/l	99
67) Ethyl Benzene	11.51	91	194292	19.85	ug/l	98
68) m/p-Xylenes	11.62	106	144897	39.19	ug/l	95
69) o-Xylene	11.94	106	70208	19.40	ug/l	98
70) Styrene	11.96	104	114168	18.85	ug/l	97
71) Bromoform	12.12	173	33225	19.91	ug/l #	97
73) Isopropylbenzene	12.25	105	193702	20.51	ug/l	99
74) N-amyl acetate	12.07	43	69589	18.99	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	58052	21.21	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	76248	35.19	ug/l #	100
77) Bromobenzene	12.52	156	48776	20.40	ug/l	85
78) n-propylbenzene	12.59	91	216147	20.39	ug/l	98
79) 2-Chlorotoluene	12.67	91	130032	20.62	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	158677	19.98	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20463	20.28	ug/l	97
82) 4-Chlorotoluene	12.77	91	131066	20.73	ug/l	97
83) tert-Butylbenzene	12.99	119	140984	20.53	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	158573	20.18	ug/l	98
85) sec-Butylbenzene	13.17	105	182784	20.26	ug/l	98
86) p-Isopropyltoluene	13.29	119	165607	19.83	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	84261	20.29	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	83138	20.06	ug/l	98
89) n-Butylbenzene	13.61	91	143494	20.16	ug/l	99
90) Hexachloroethane	13.87	117	30785	19.71	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	84592	20.60	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13185	21.24	ug/l	94

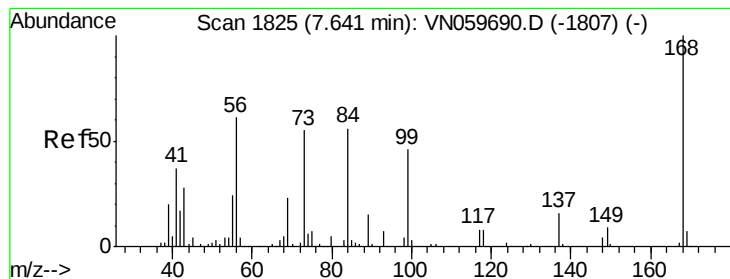
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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48158	19.52	ug/l	97
94) Hexachlorobutadiene	15.01	225	27423	20.17	ug/l	99
95) Naphthalene	15.13	128	133542	19.03	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48084	20.02	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

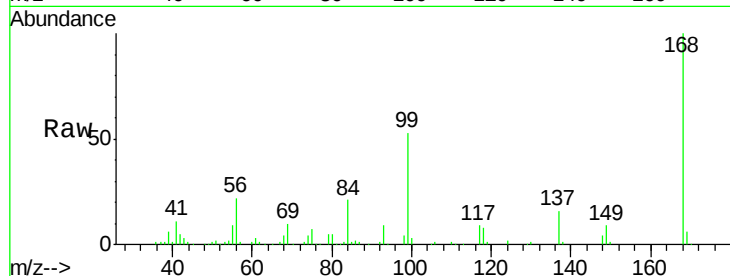
VN0203WBSD01

Tgt Ion:168 Resp: 191520

Ion Ratio Lower Upper

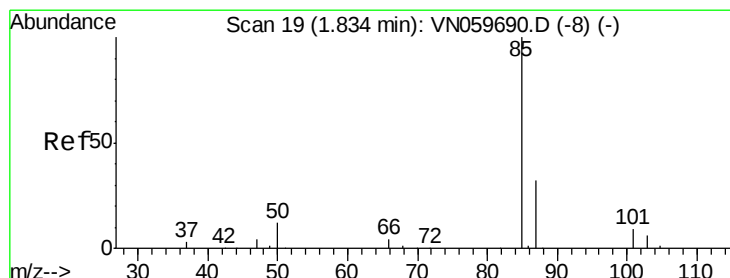
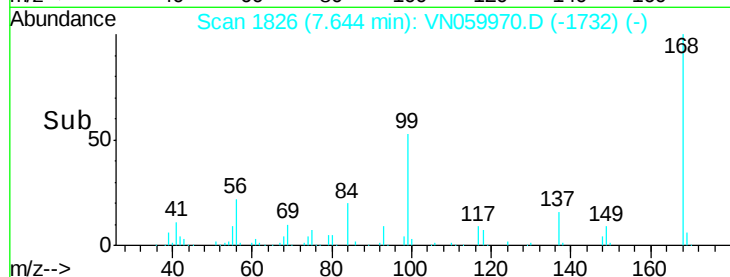
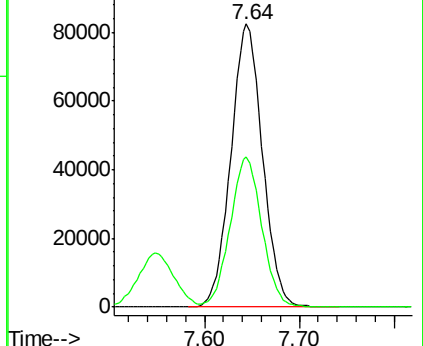
168 100

99 53.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 16.47 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059970.D

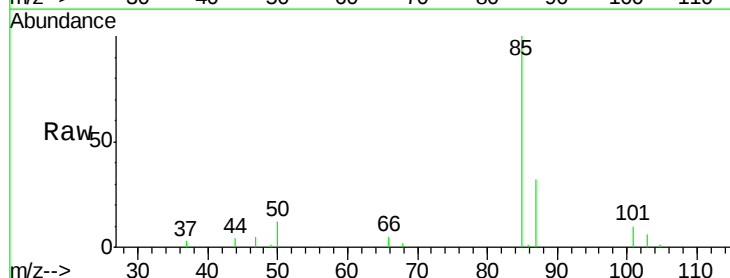
Acq: 3 Feb 2020 13:31

Tgt Ion: 85 Resp: 37971

Ion Ratio Lower Upper

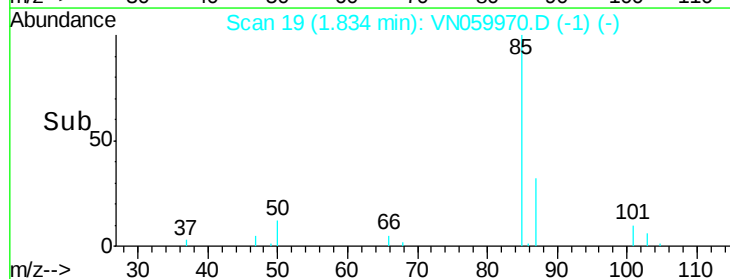
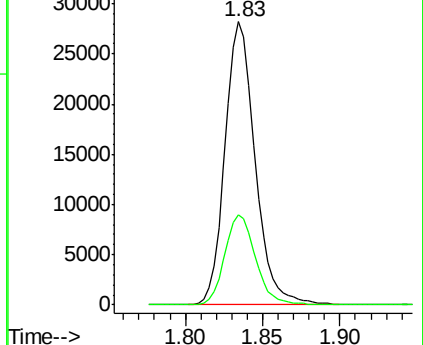
85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.58 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

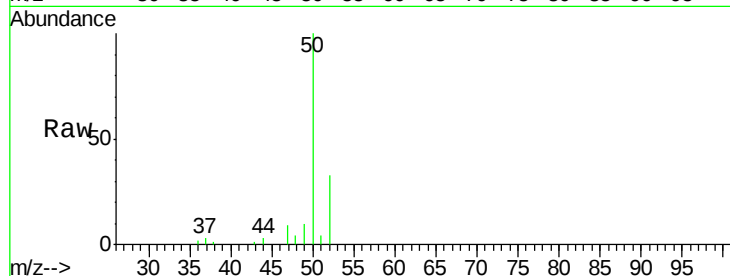
VN0203WBSD01

Tgt Ion: 50 Resp: 40750

Ion Ratio Lower Upper

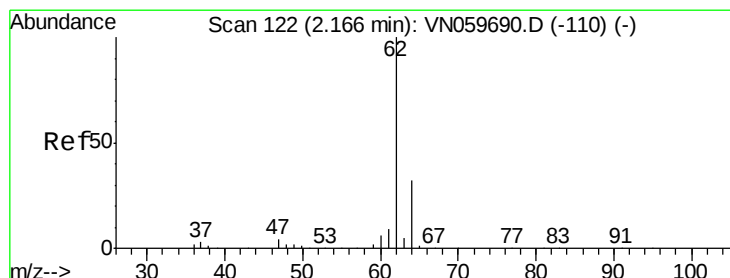
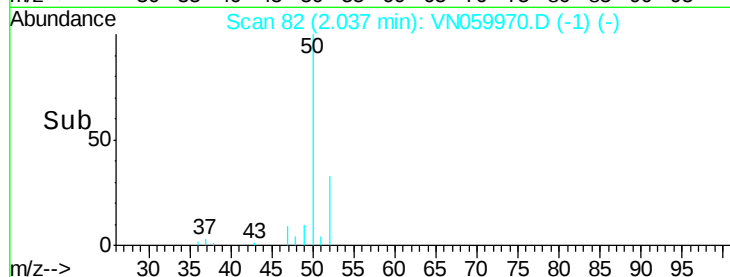
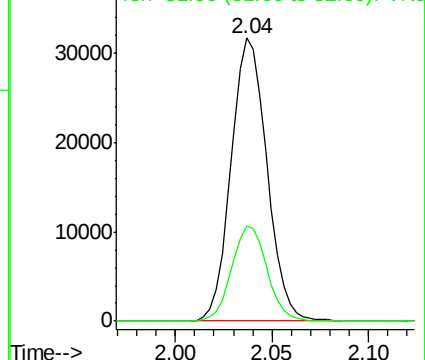
50 100

52 33.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.93 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059970.D

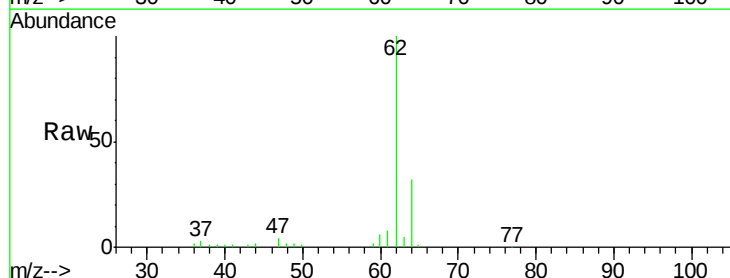
Acq: 3 Feb 2020 13:31

Tgt Ion: 62 Resp: 52501

Ion Ratio Lower Upper

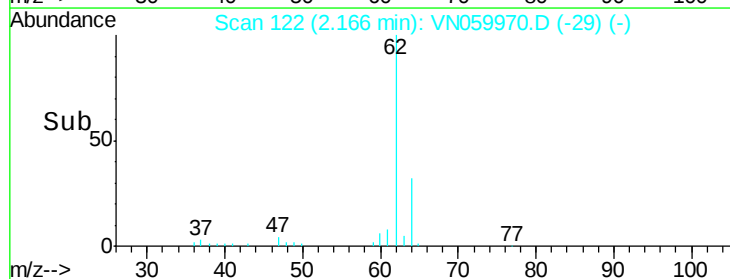
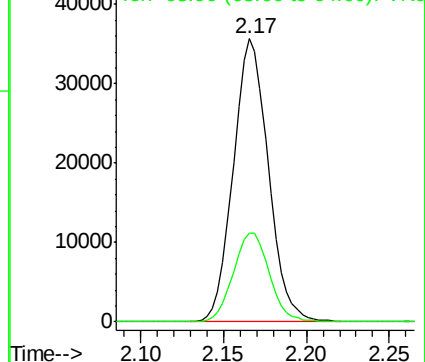
62 100

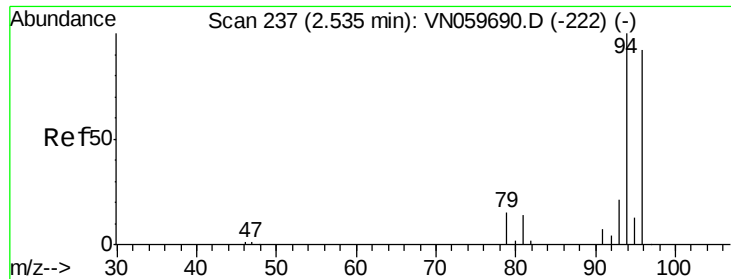
64 31.5 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

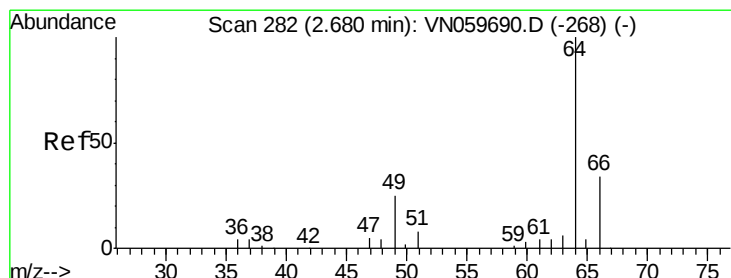
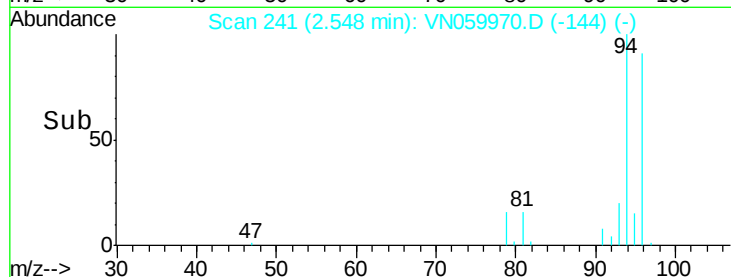
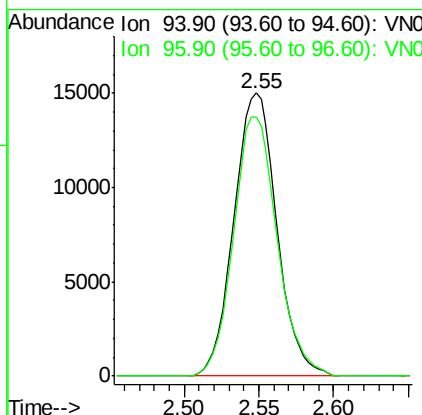
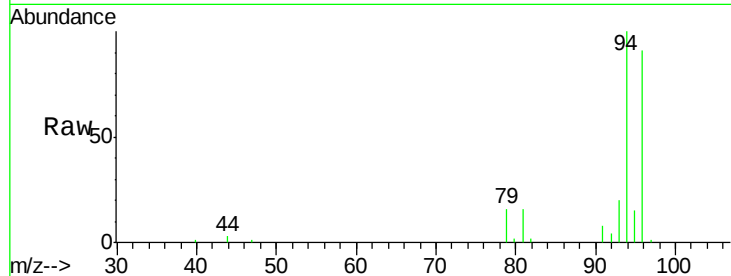




#5
Bromomethane
Concen: 19.58 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

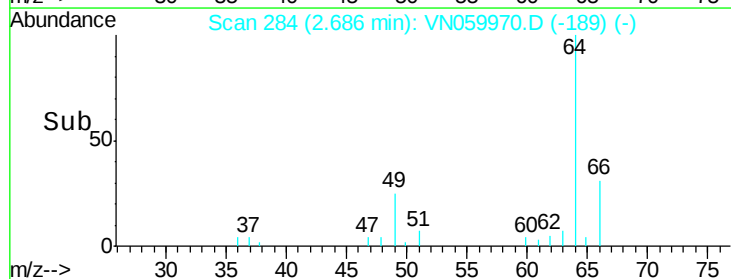
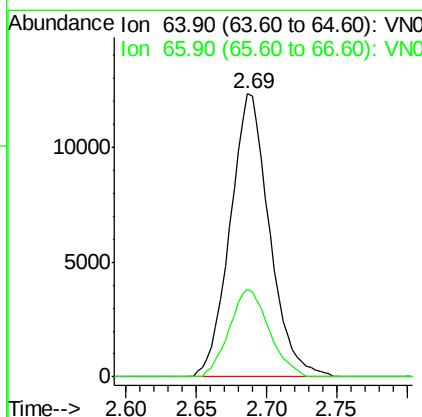
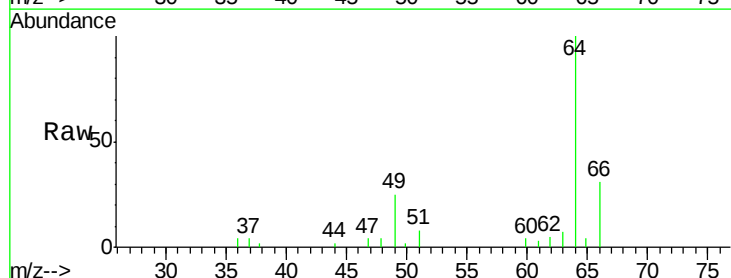
Instrument :
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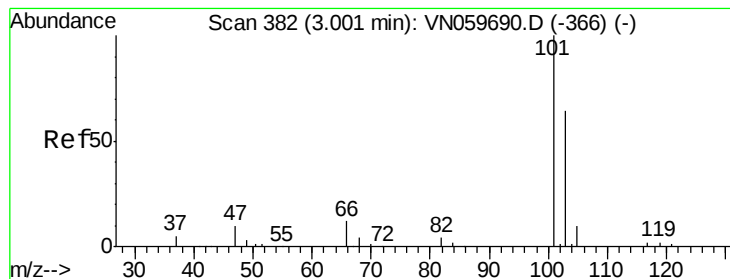
Tgt Ion: 94 Resp: 29977
Ion Ratio Lower Upper
94 100
96 91.4 74.7 112.1



#6
Chloroethane
Concen: 20.30 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 64 Resp: 24098
Ion Ratio Lower Upper
64 100
66 31.0 25.1 37.7



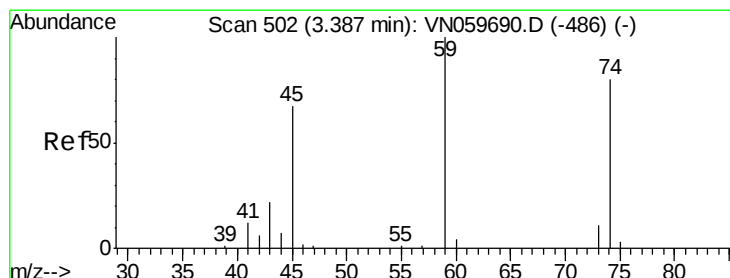
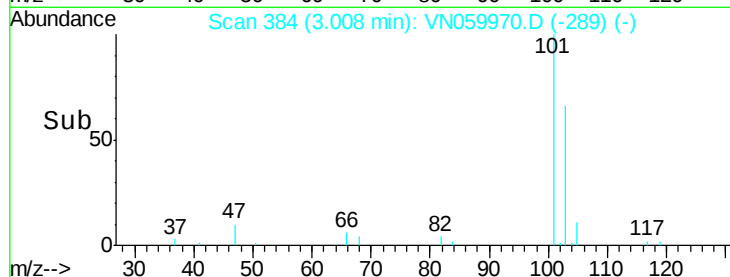
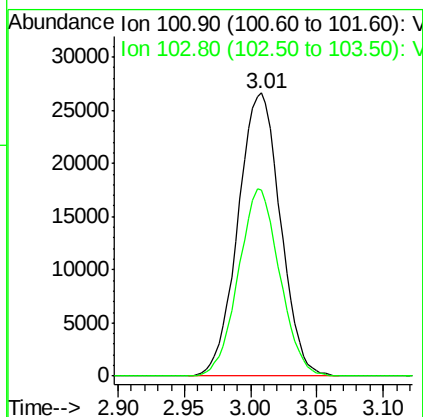
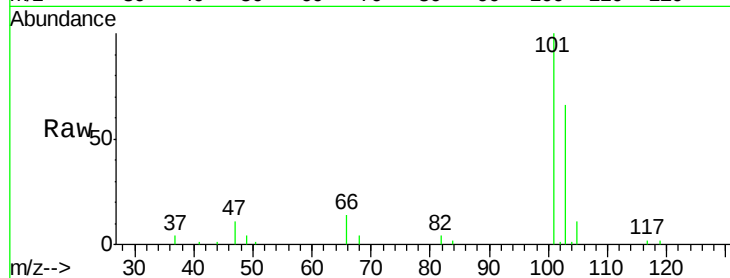


#7

Trichlorofluoromethane
 Concen: 19.66 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
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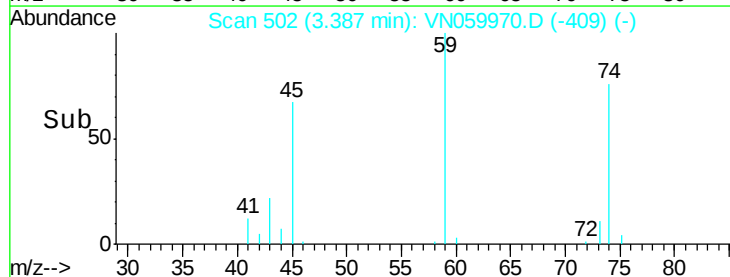
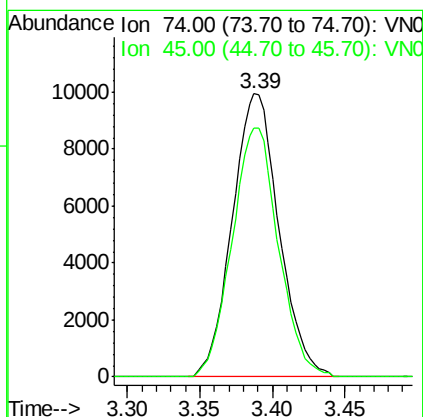
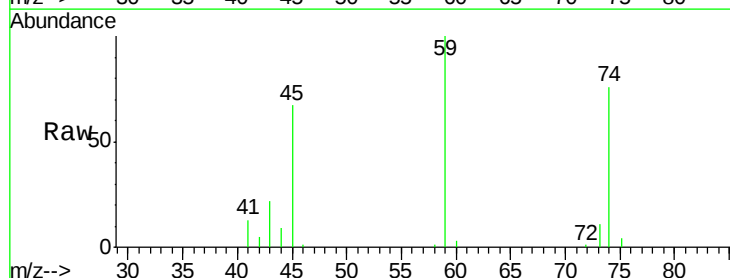
Tgt Ion: 101 Resp: 59248
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.0 76.6

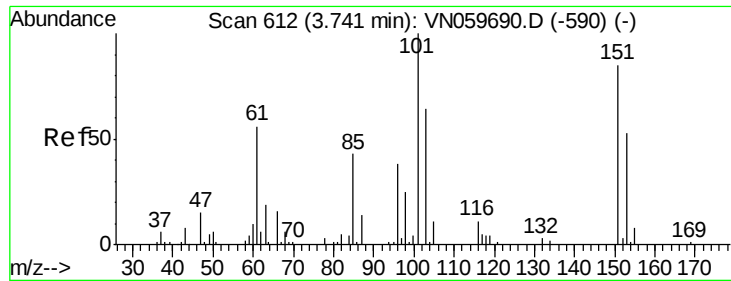


#8

Diethyl Ether
 Concen: 21.01 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion: 74 Resp: 22217
 Ion Ratio Lower Upper
 74 100
 45 87.4 51.9 155.8

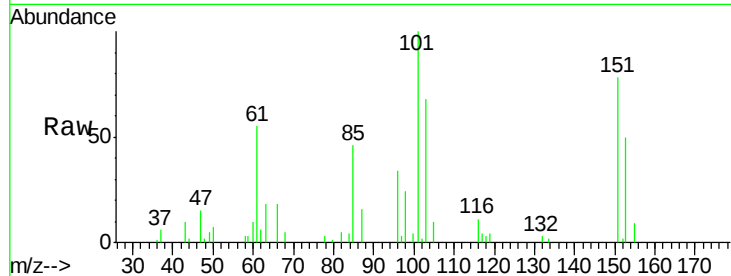




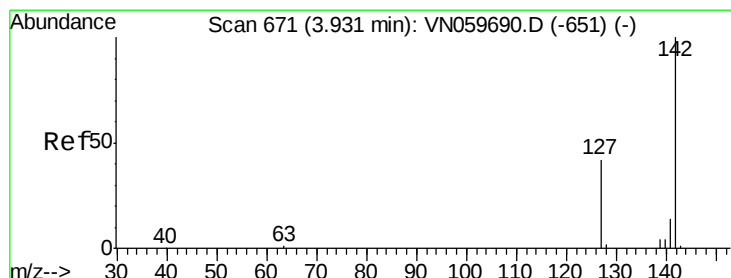
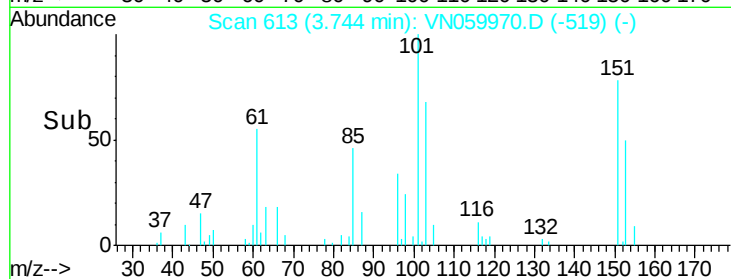
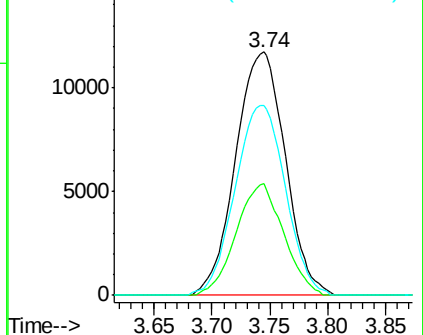
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.83 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Instrument :
 MSVOA_N
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 VN0203WBSD01

Tgt Ion:101 Resp: 34937
 Ion Ratio Lower Upper
 101 100
 85 43.7 36.6 54.8
 151 79.1 59.7 89.5

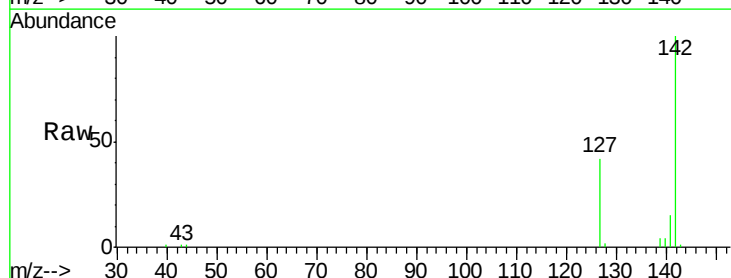


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

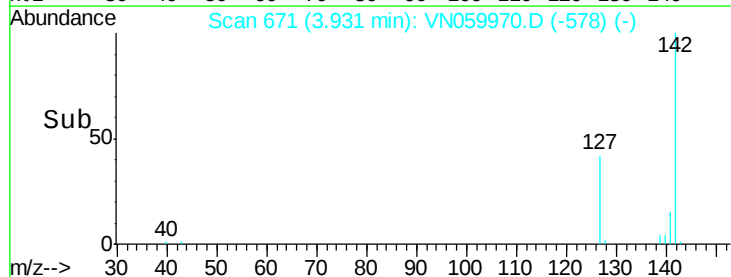
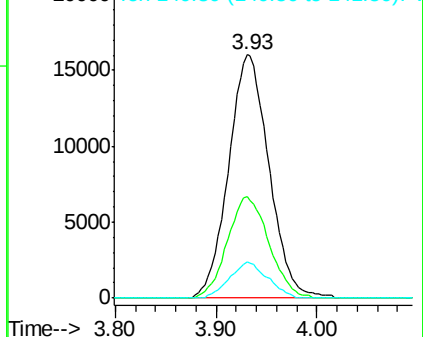


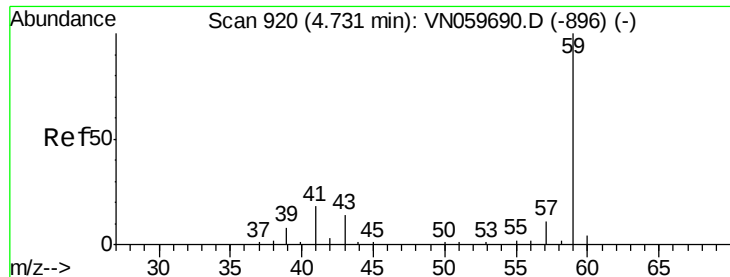
#10
 Methyl Iodide
 Concen: 16.44 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion:142 Resp: 44567
 Ion Ratio Lower Upper
 142 100
 127 42.7 36.7 55.1
 141 13.9 11.7 17.5



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

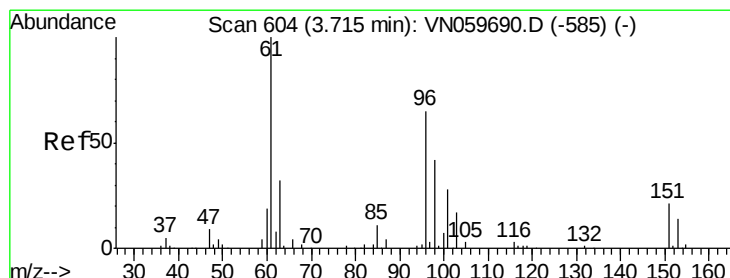
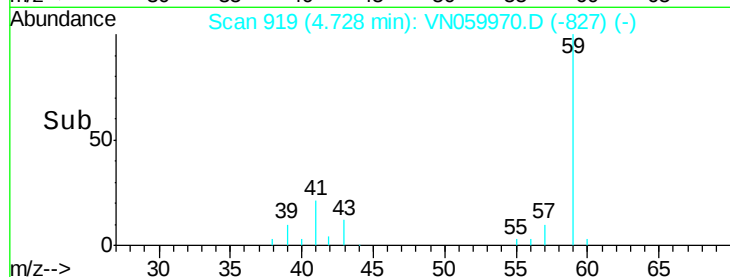
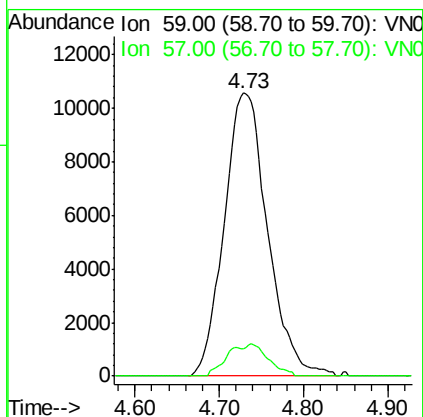
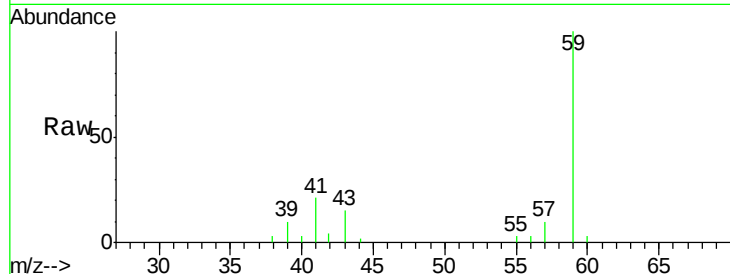




#11
Tert butyl alcohol
Concen: 105.64 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

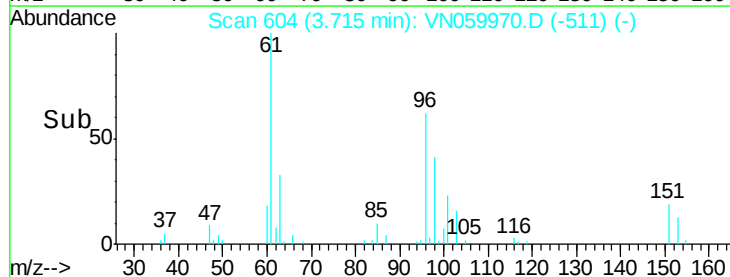
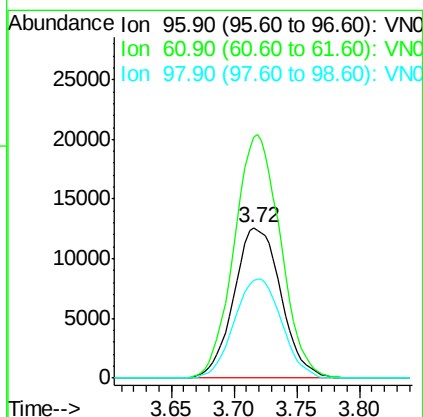
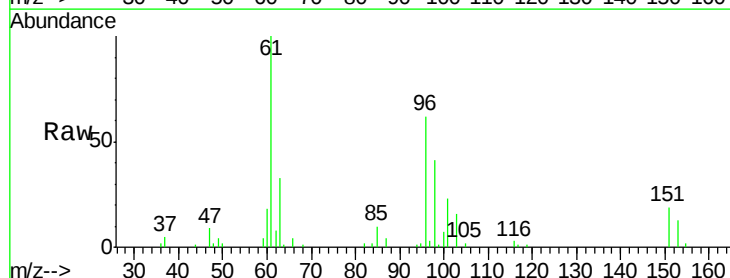
Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

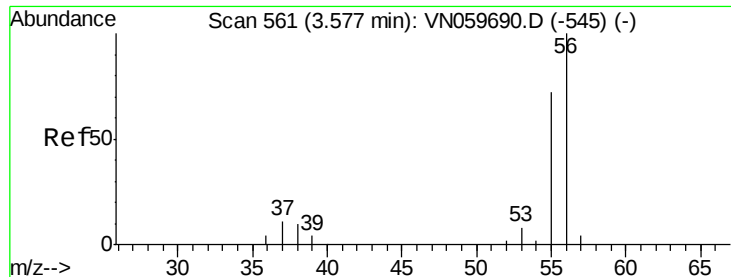
Tgt Ion: 59 Resp: 37824
Ion Ratio Lower Upper
59 100
57 4.7 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 18.81 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 96 Resp: 32951
Ion Ratio Lower Upper
96 100
61 160.2 137.5 206.3
98 65.0 50.2 75.4





#13

Acrolein

Concen: 54.67 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

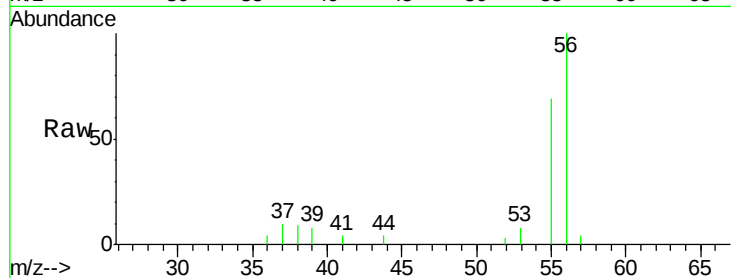
VN0203WBSD01

Tgt Ion: 56 Resp: 13857

Ion Ratio Lower Upper

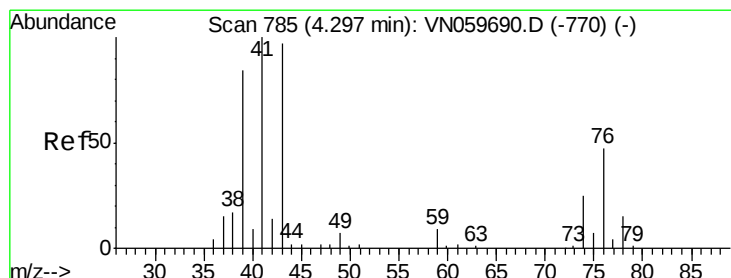
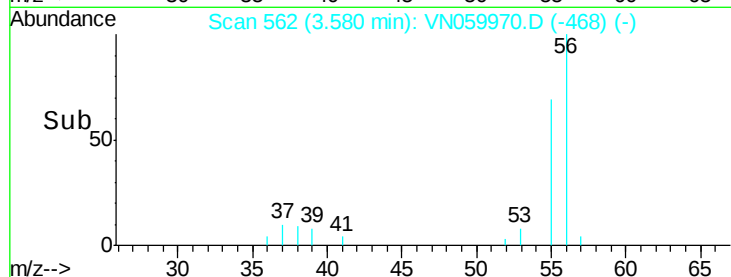
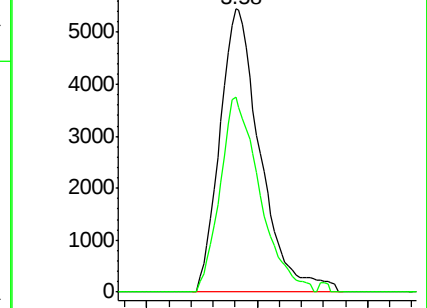
56 100

55 67.5 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.05 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

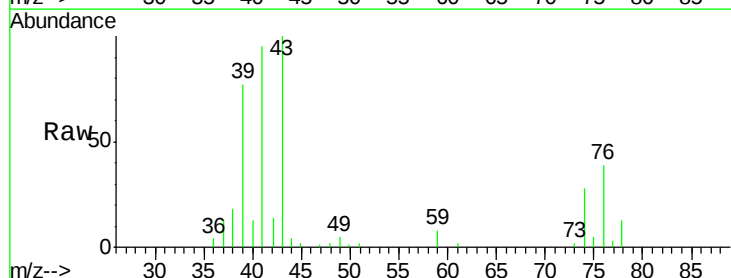
Tgt Ion: 41 Resp: 49724

Ion Ratio Lower Upper

41 100

39 82.3 57.8 86.8

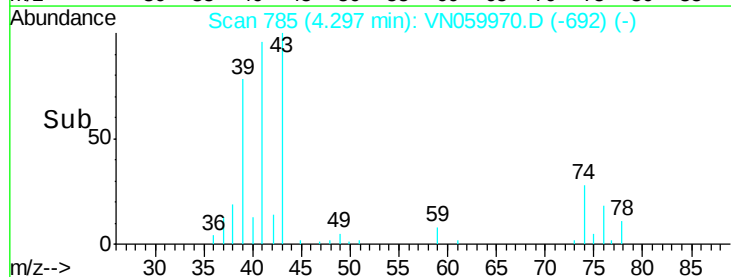
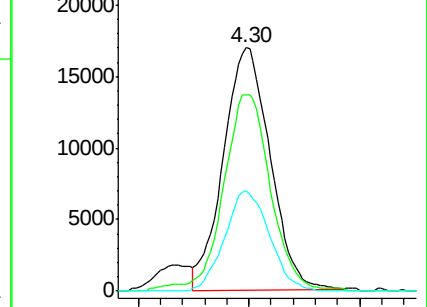
76 39.6 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 110.01 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

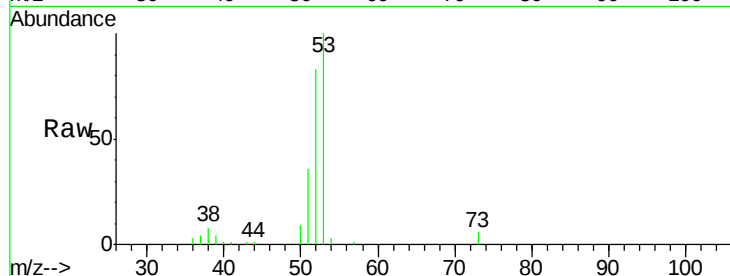
Tgt Ion: 53 Resp: 89850

Ion Ratio Lower Upper

53 100

52 81.8 66.3 99.5

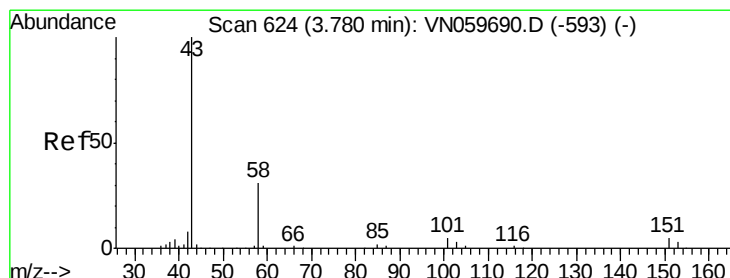
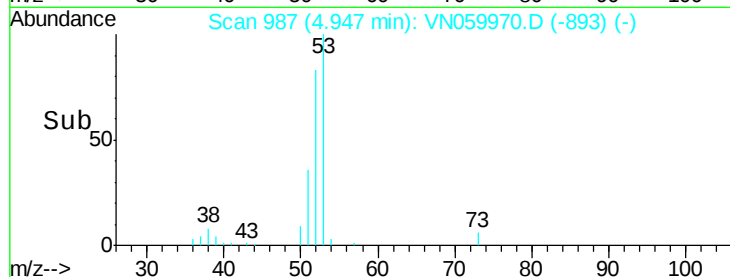
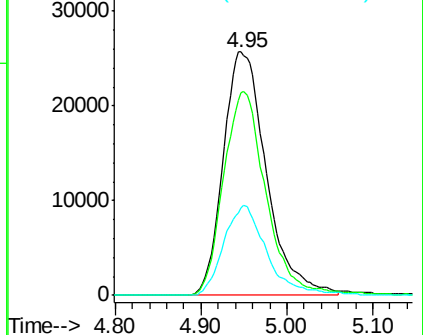
51 36.7 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 123.75 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN059970.D

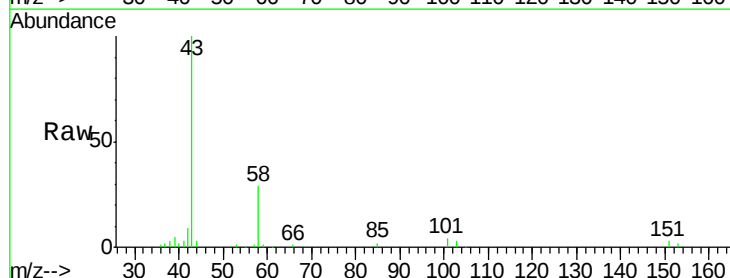
Acq: 3 Feb 2020 13:31

Tgt Ion: 43 Resp: 93441

Ion Ratio Lower Upper

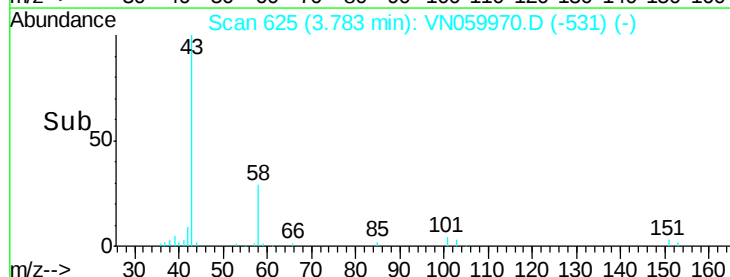
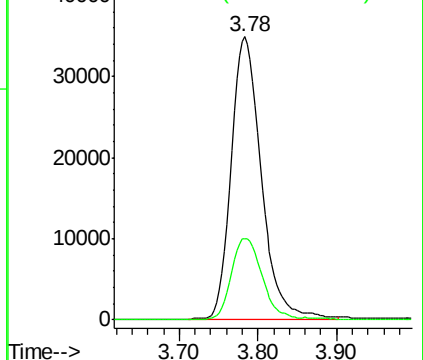
43 100

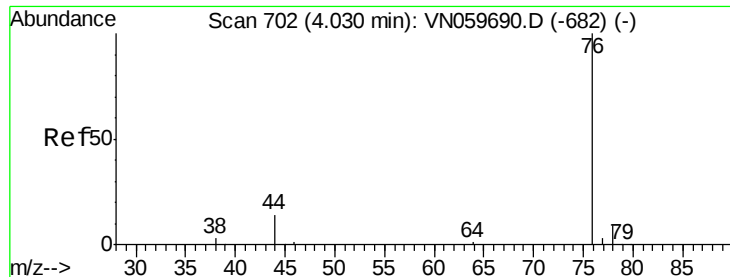
58 28.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

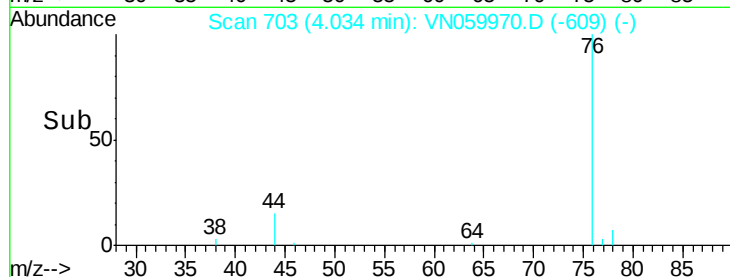
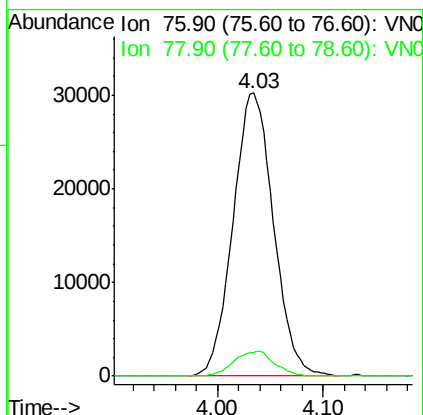
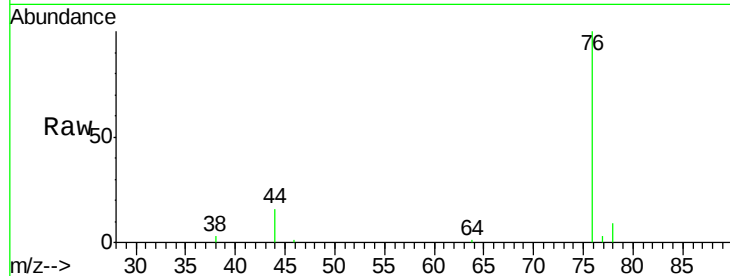




#17
Carbon Disulfide
Concen: 16.13 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

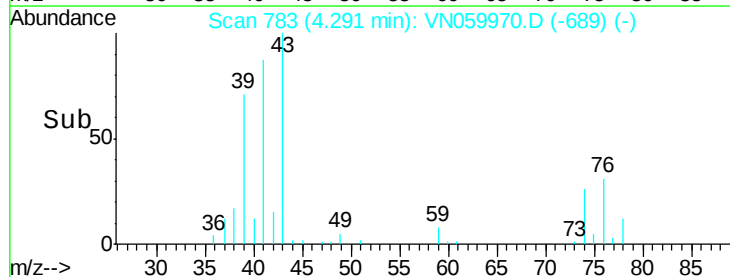
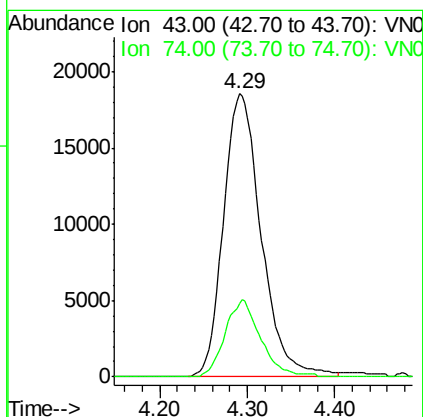
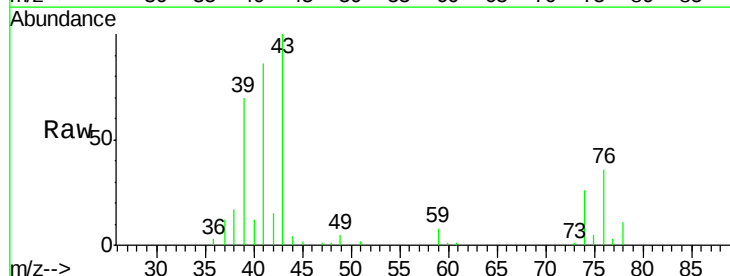
Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tgt Ion: 76 Resp: 80488
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0



#18
Methyl Acetate
Concen: 22.37 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 43 Resp: 55564
Ion Ratio Lower Upper
43 100
74 25.4 17.5 26.3

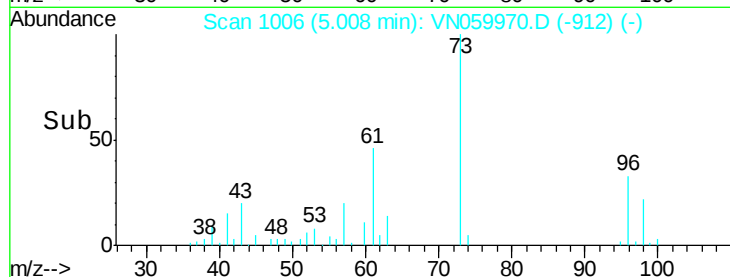
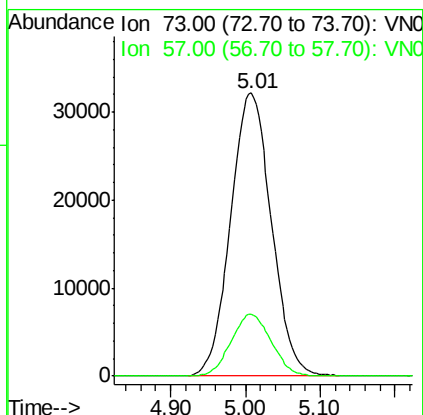
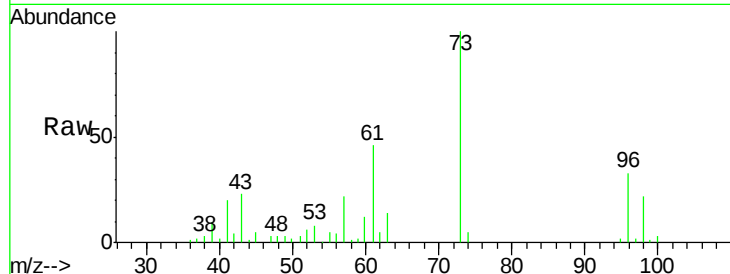




#19
Methyl tert-butyl Ether
Concen: 21.35 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

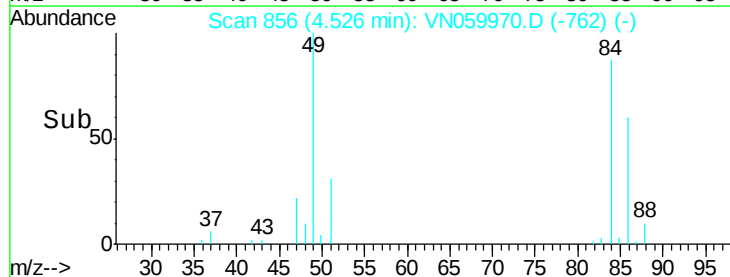
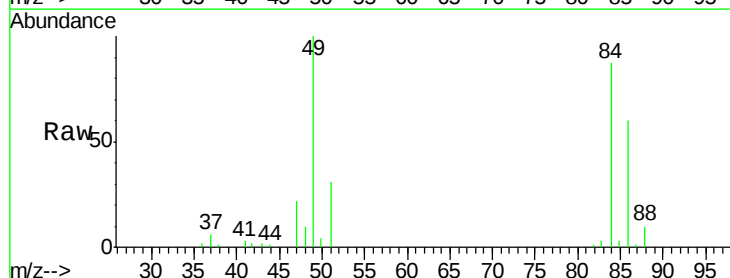
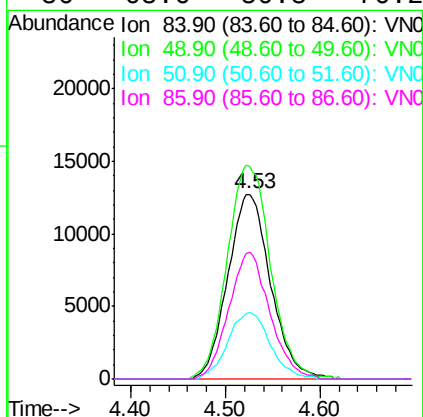
Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

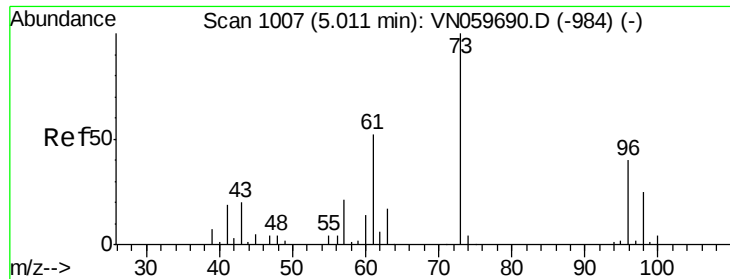
Tgt Ion: 73 Resp: 121965
Ion Ratio Lower Upper
73 100
57 21.9 18.6 27.8



#20
Methylene Chloride
Concen: 20.01 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 84 Resp: 39996
Ion Ratio Lower Upper
84 100
49 114.9 106.6 160.0
51 36.1 31.9 47.9
86 68.6 50.8 76.2

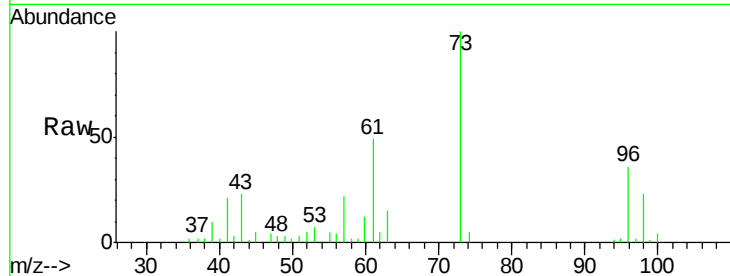




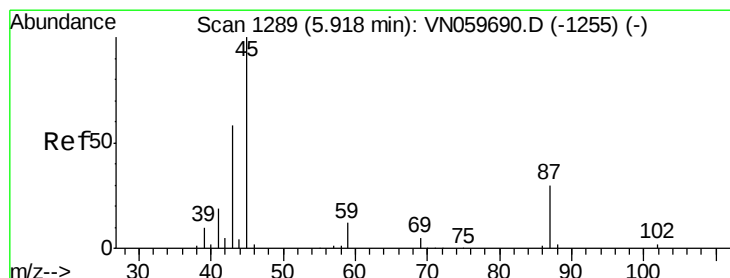
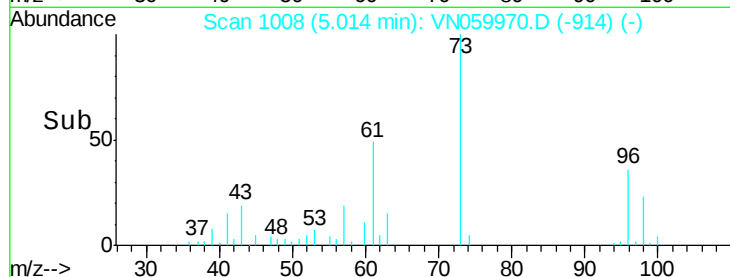
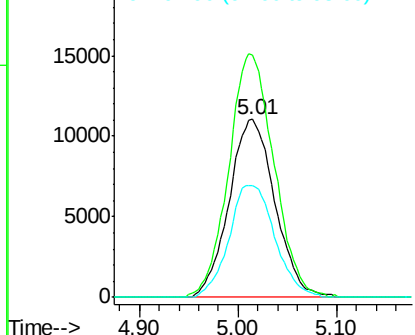
#21
trans-1,2-Dichloroethene
Concen: 19.14 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tgt Ion: 96 Resp: 35653
Ion Ratio Lower Upper
96 100
61 135.7 120.4 180.6
98 63.0 50.6 75.8

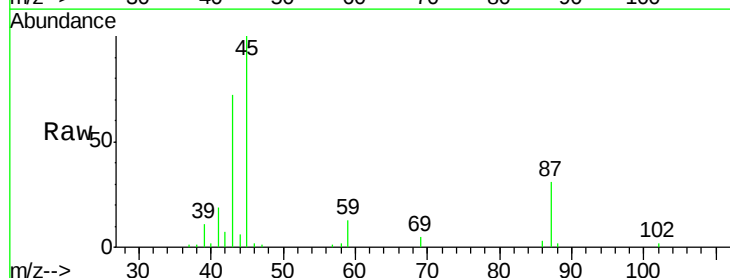


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

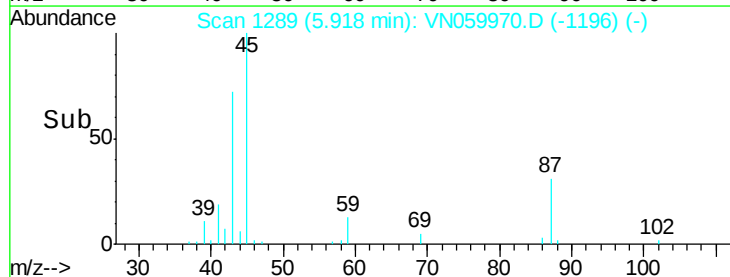
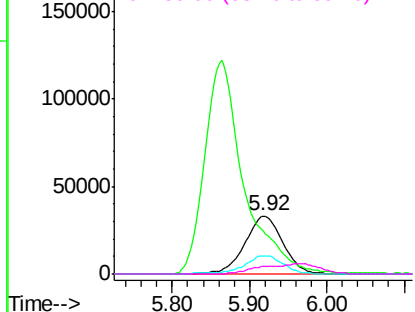


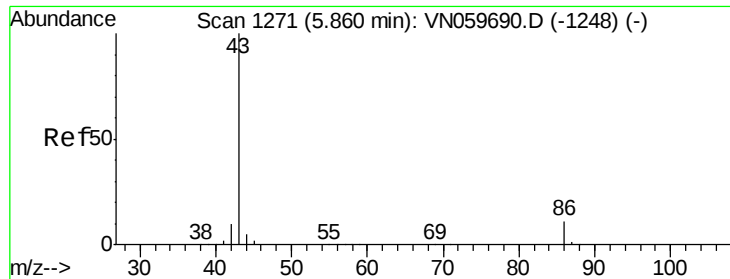
#22
Diisopropyl ether
Concen: 21.22 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 45 Resp: 113576
Ion Ratio Lower Upper
45 100
43 69.9 50.8 76.2
87 30.7 21.0 31.6
59 12.7 9.1 13.7



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

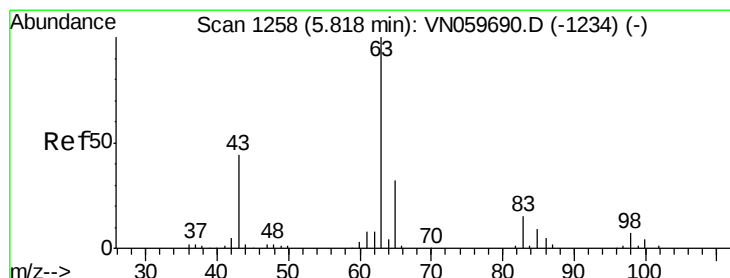
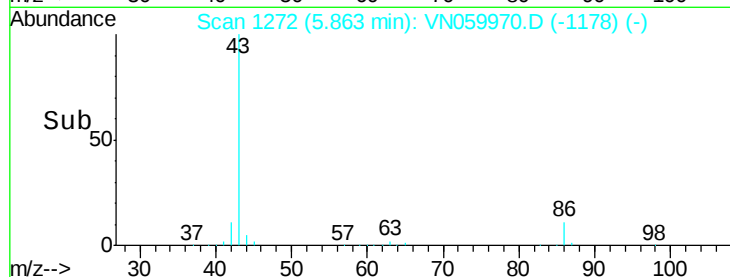
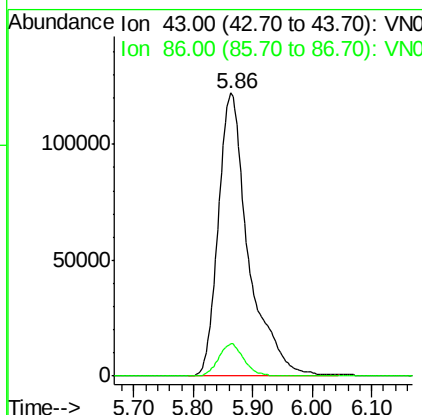
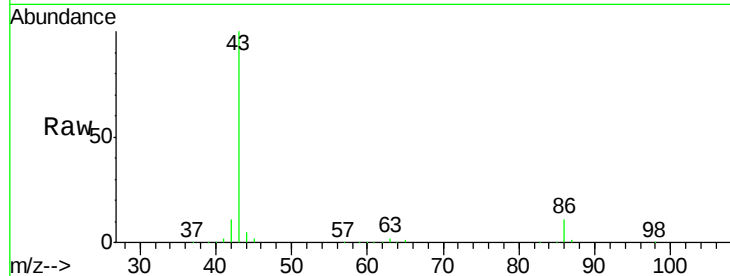




#23
 Vinyl Acetate
 Concen: 104.12 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

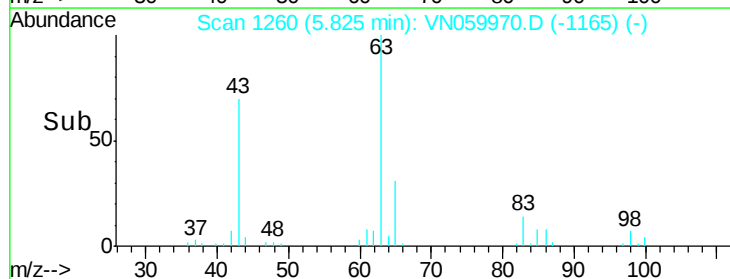
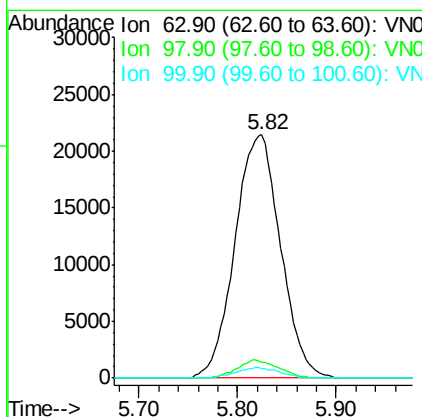
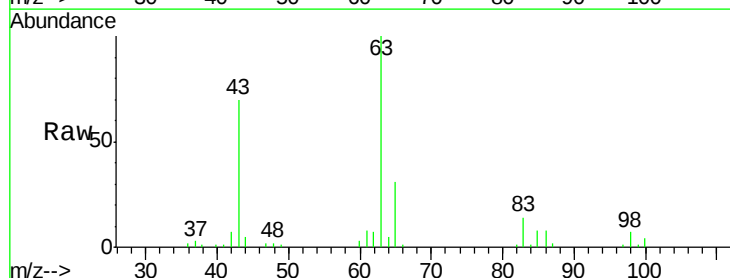
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

Tgt Ion: 43 Resp: 431467
 Ion Ratio Lower Upper
 43 100
 86 11.5 7.6 11.4#



#24
 1,1-Dichloroethane
 Concen: 20.98 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion: 63 Resp: 68619
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.9 8.7
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 104.37 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

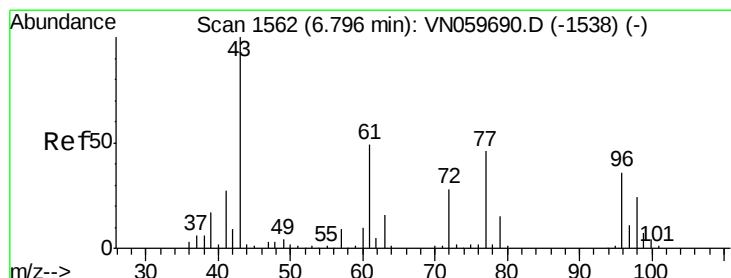
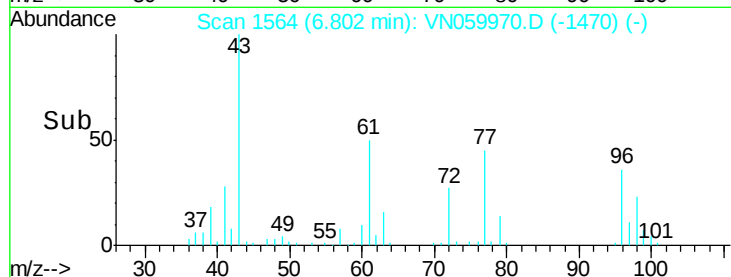
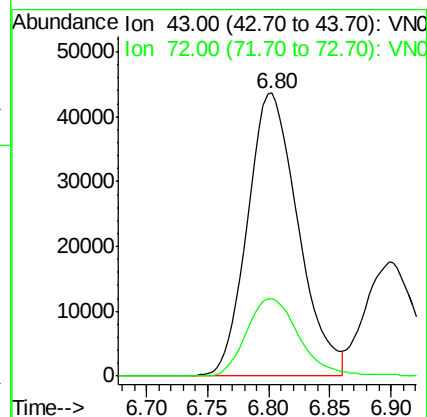
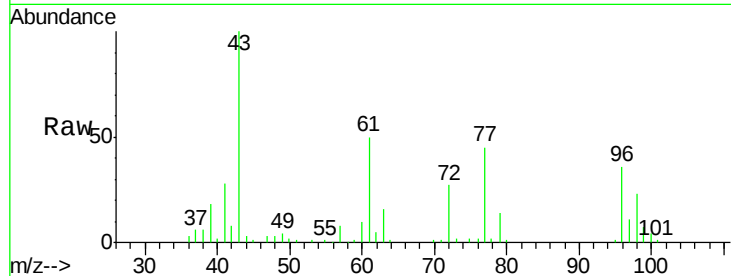
VN0203WBSD01

Tgt Ion: 43 Resp: 125704

Ion Ratio Lower Upper

43 100

72 27.5 19.9 29.9



#26

2,2-Dichloropropane

Concen: 20.41 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059970.D

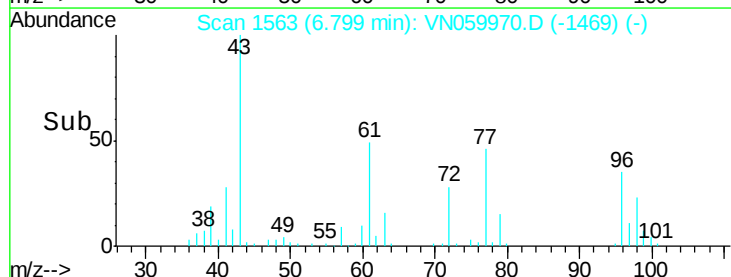
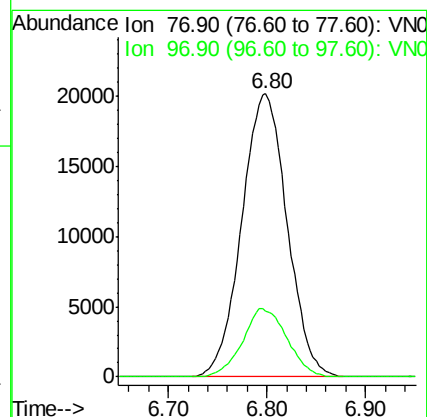
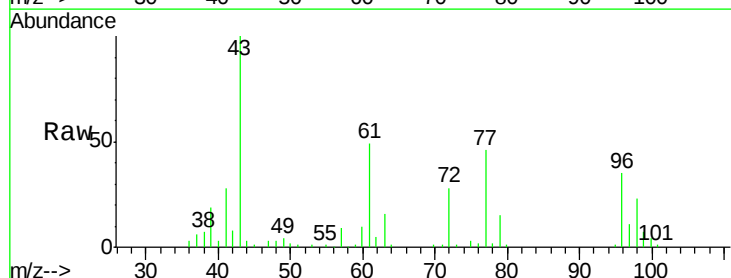
Acq: 3 Feb 2020 13:31

Tgt Ion: 77 Resp: 64158

Ion Ratio Lower Upper

77 100

97 23.6 10.7 31.9

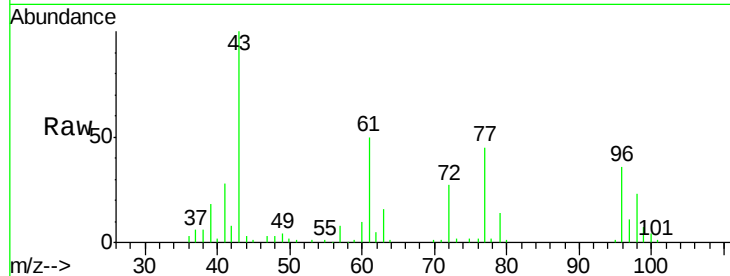




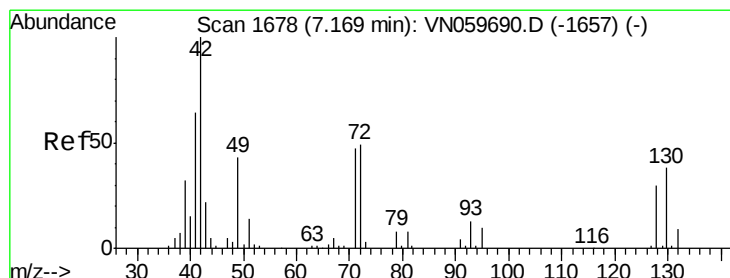
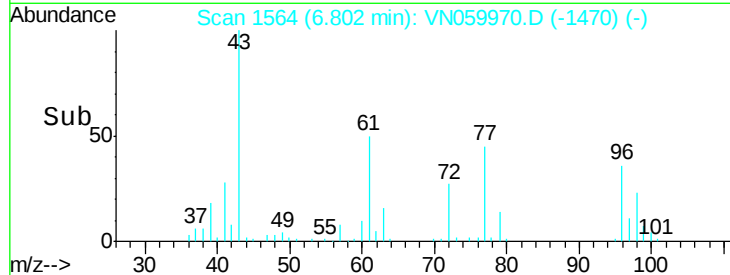
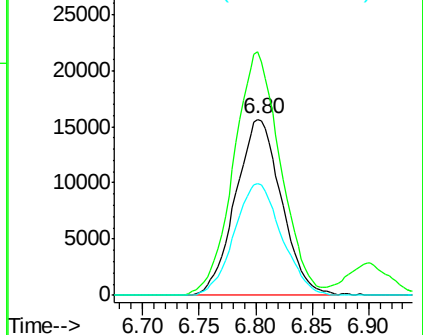
#27
 cis-1,2-Dichloroethene
 Concen: 20.66 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0203WBSD01

Tgt Ion: 96 Resp: 44260
 Ion Ratio Lower Upper
 96 100
 61 140.7 0.0 317.6
 98 65.3 0.0 127.0

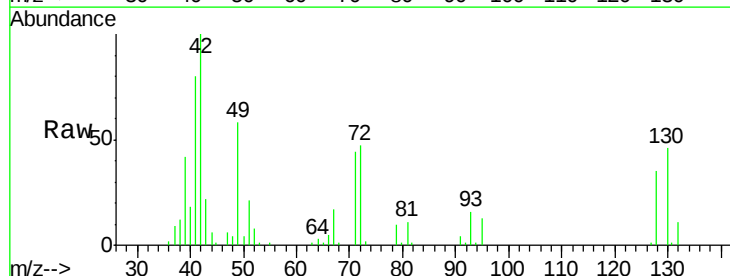


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

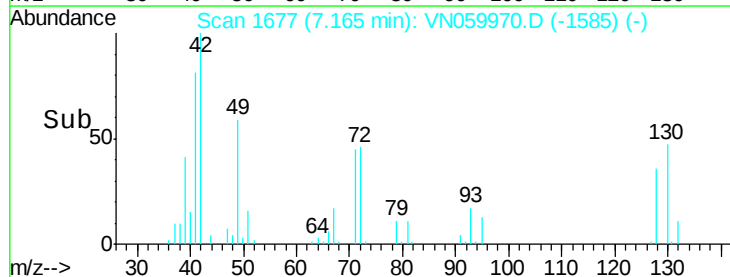
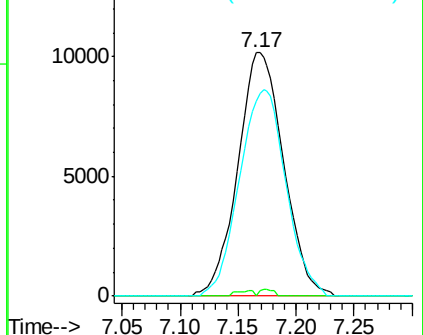


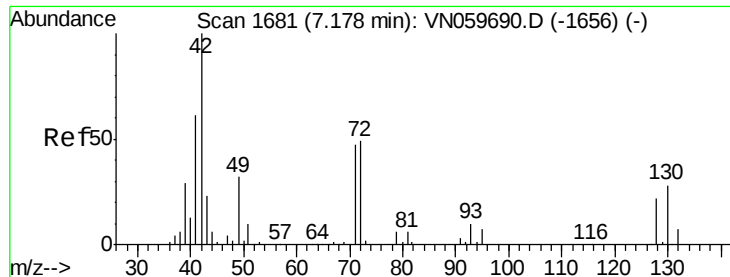
#28
 Bromochloromethane
 Concen: 21.35 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion: 49 Resp: 27903
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 3.4
 130 0.0 54.7 82.1#



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

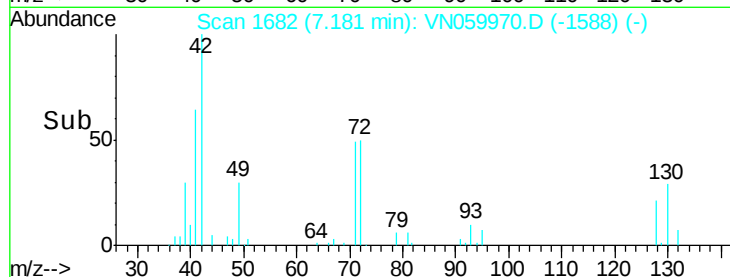
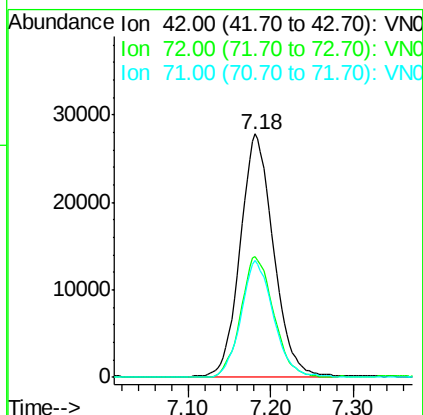
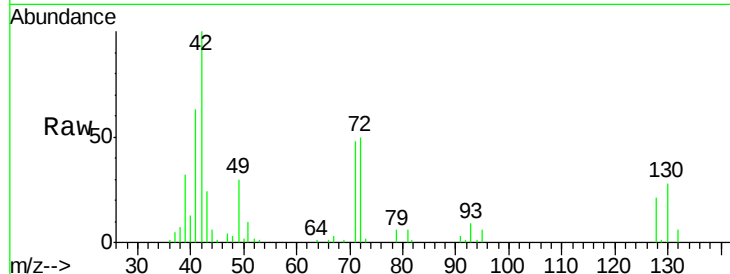




#29
Tetrahydrofuran
Concen: 105.01 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

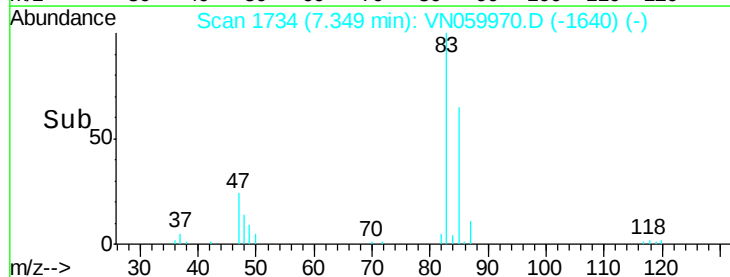
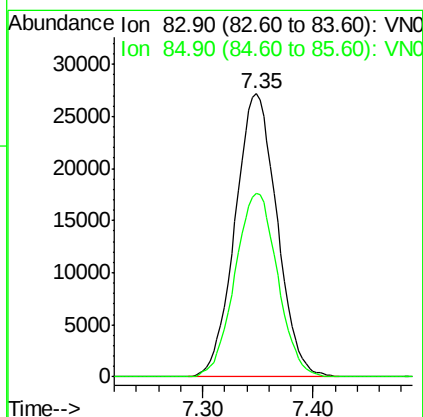
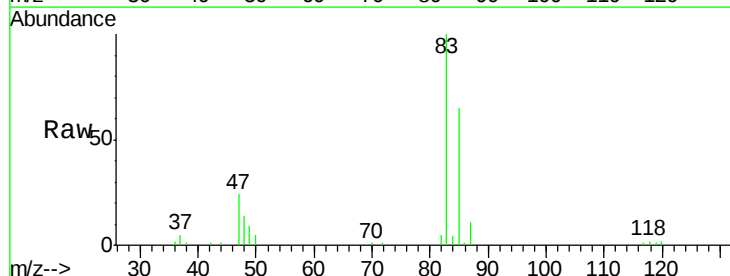
Instrument :
MSVOA_N
ClientSampled :
VN0203WBSD01

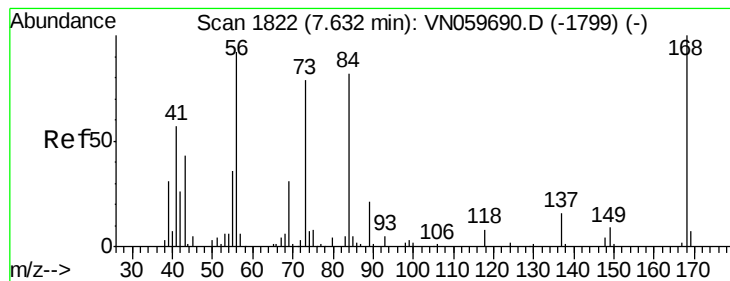
Tgt Ion: 42 Resp: 78254
Ion Ratio Lower Upper
42 100
72 48.4 33.1 49.7
71 46.3 31.4 47.0



#30
Chloroform
Concen: 21.10 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 83 Resp: 71511
Ion Ratio Lower Upper
83 100
85 64.9 52.4 78.6





#31

Cyclohexane

Concen: 18.80 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

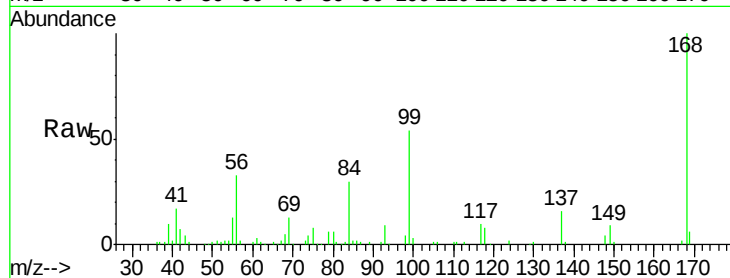
Tgt Ion: 56 Resp: 59173

Ion Ratio Lower Upper

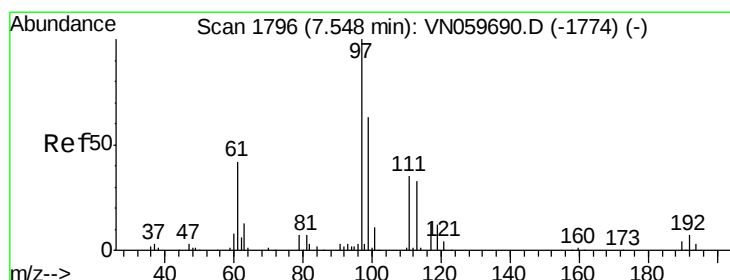
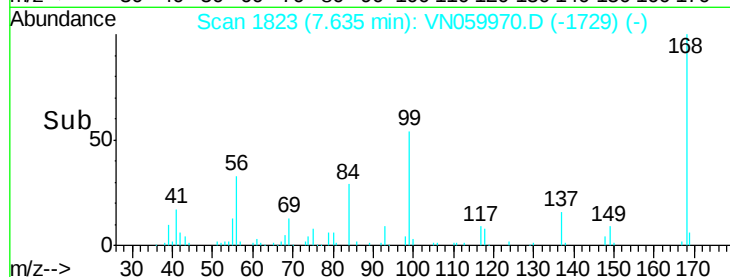
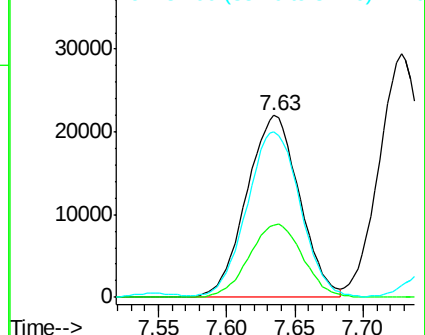
56 100

69 40.0 26.5 39.7#

84 90.5 65.3 97.9



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



#32

1,1,1-Trichloroethane

Concen: 20.77 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

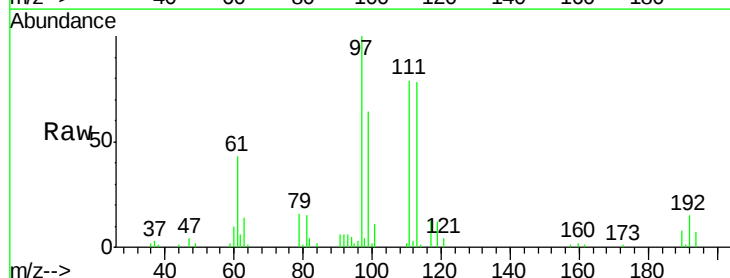
Tgt Ion: 97 Resp: 65082

Ion Ratio Lower Upper

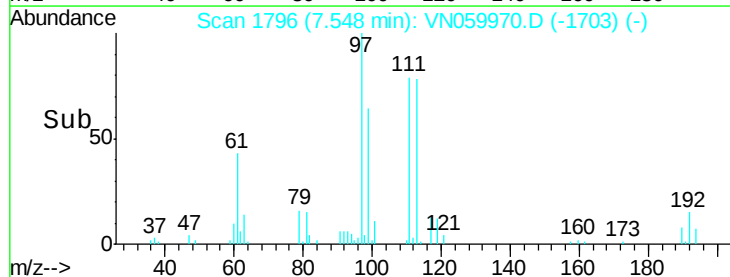
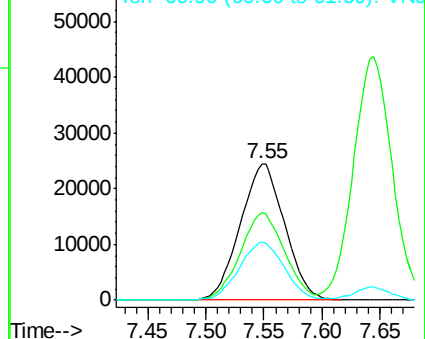
97 100

99 64.1 51.0 76.4

61 43.1 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

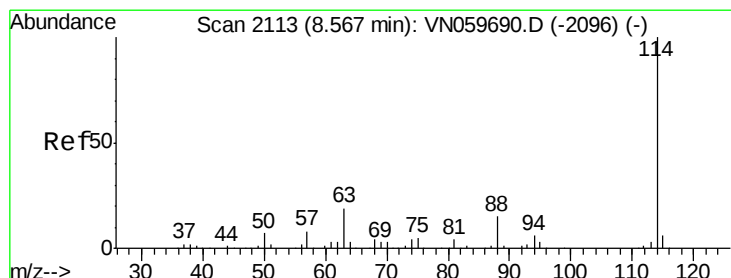
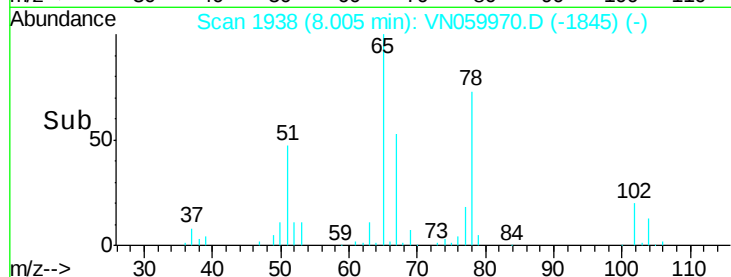
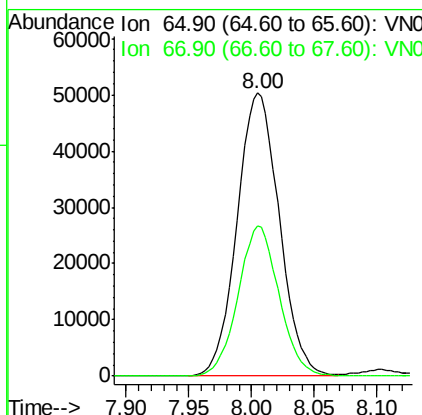
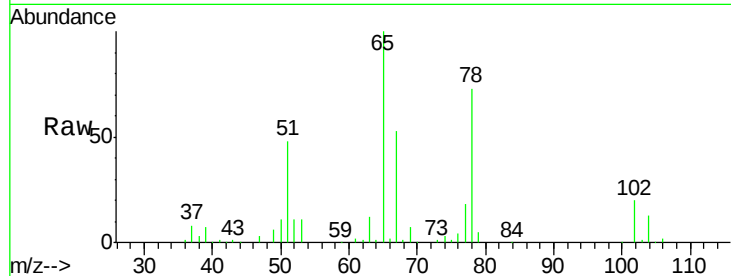




#33
 1,2-Dichloroethane-d4
 Concen: 55.46 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

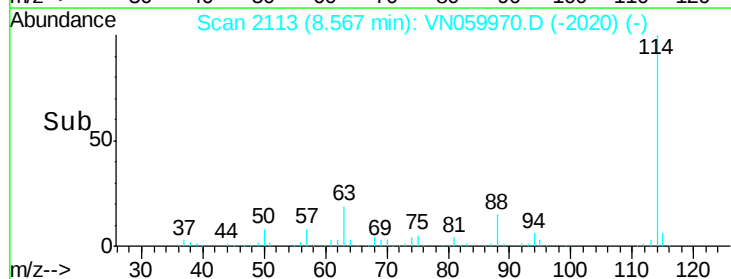
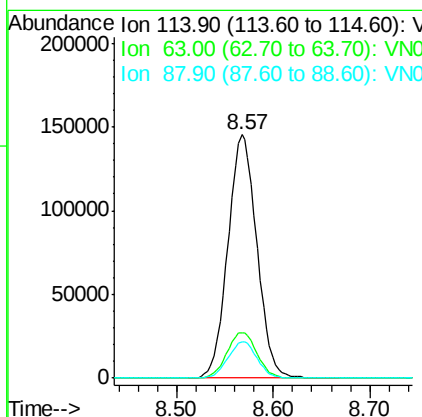
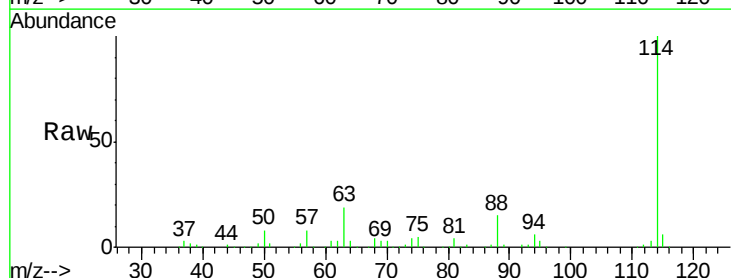
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

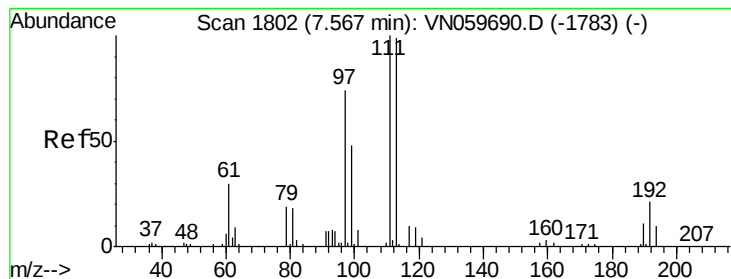
Tgt Ion: 65 Resp: 117953
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion: 114 Resp: 301760
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 43.6
 88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.74 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

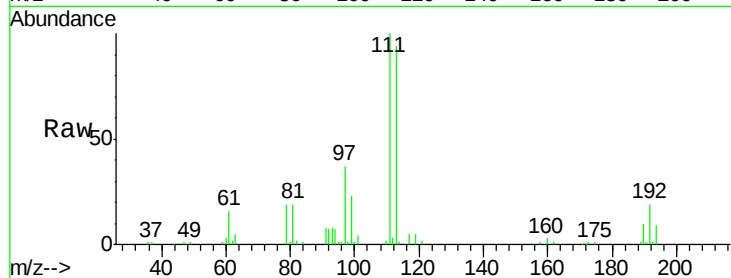
Tgt Ion:113 Resp: 94907

Ion Ratio Lower Upper

113 100

111 102.9 83.5 125.3

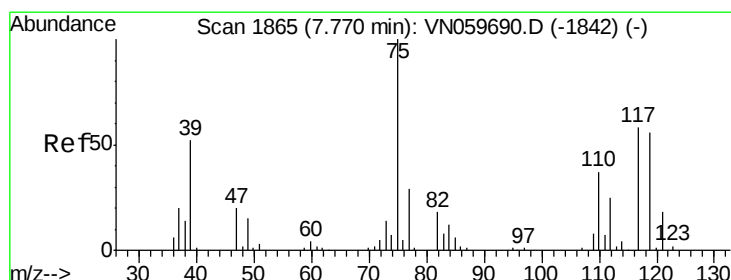
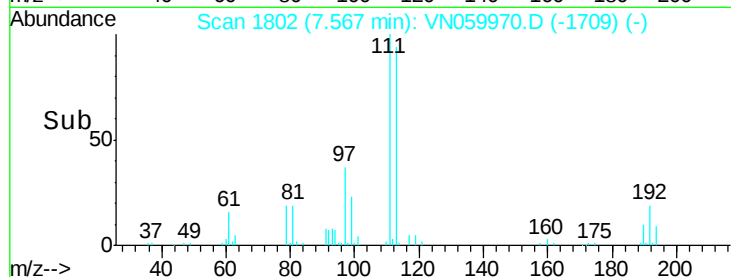
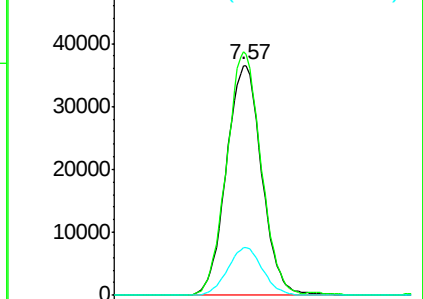
192 20.4 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.64 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

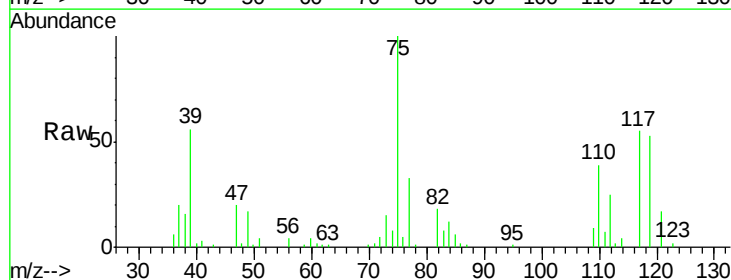
Tgt Ion: 75 Resp: 51616

Ion Ratio Lower Upper

75 100

110 36.7 16.6 49.7

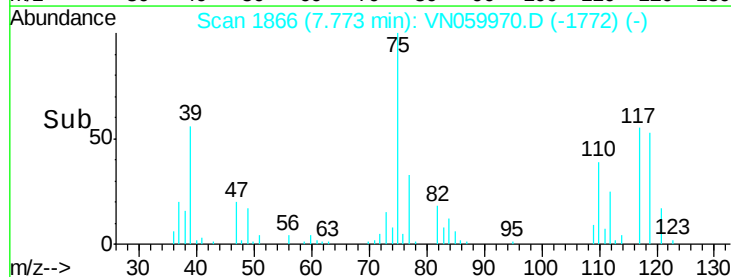
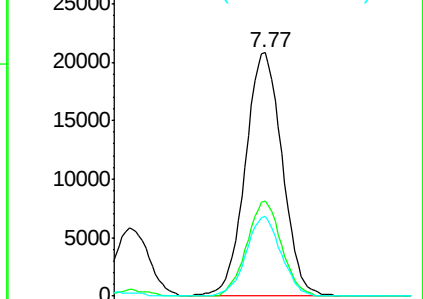
77 30.9 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

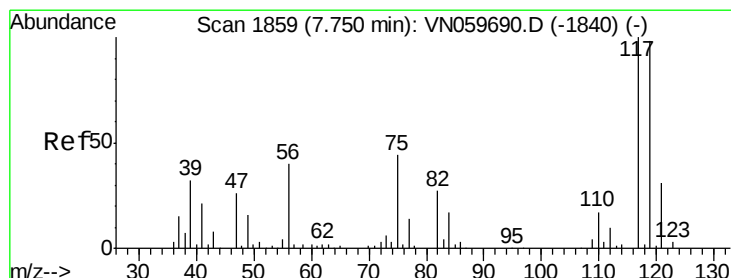
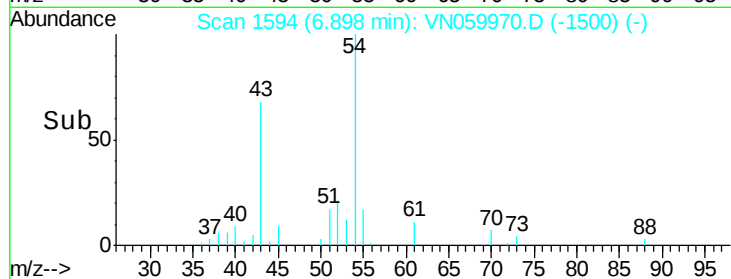
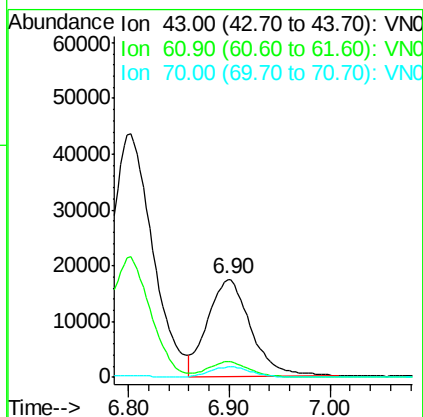
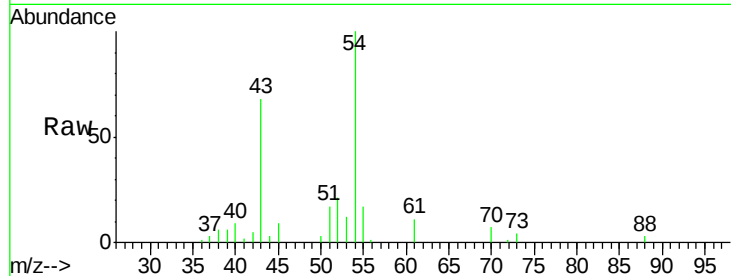




#37
 Ethyl Acetate
 Concen: 20.86 ug/l
 RT: 6.90 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

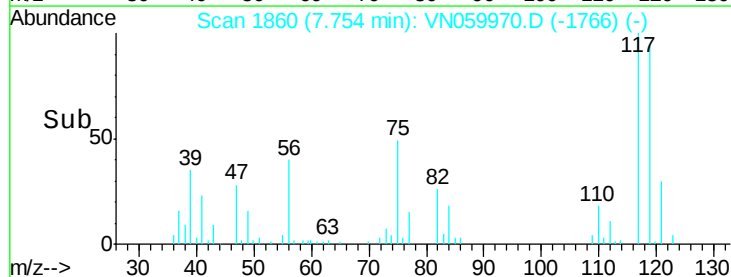
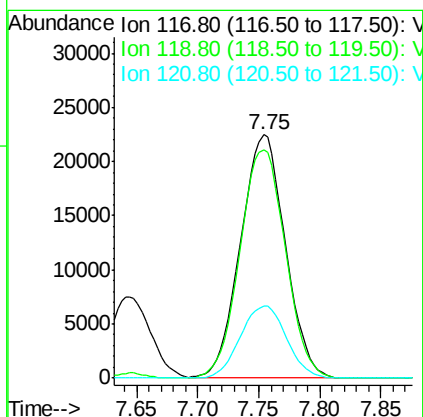
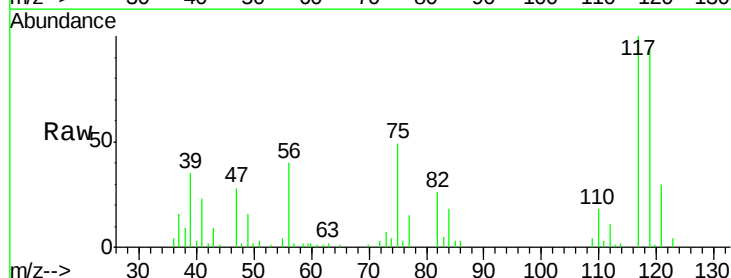
Instrument :
 MSVOA_N
 ClientSampled :
 VN0203WBSD01

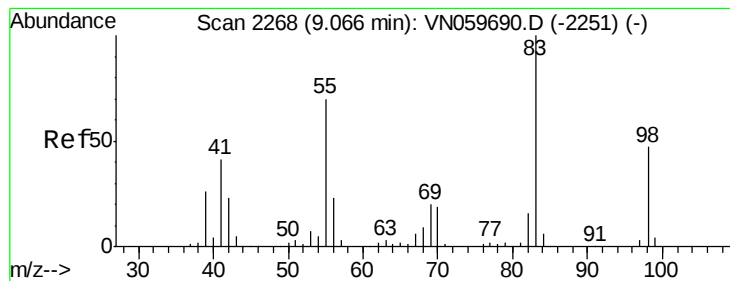
Tgt Ion: 43 Resp: 51409
 Ion Ratio Lower Upper
 43 100
 61 15.1 10.9 16.3
 70 10.4 7.7 11.5



#38
 Carbon Tetrachloride
 Concen: 19.97 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion: 117 Resp: 57099
 Ion Ratio Lower Upper
 117 100
 119 93.8 76.5 114.7
 121 29.7 25.1 37.7





#39

Methylcyclohexane

Concen: 17.99 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

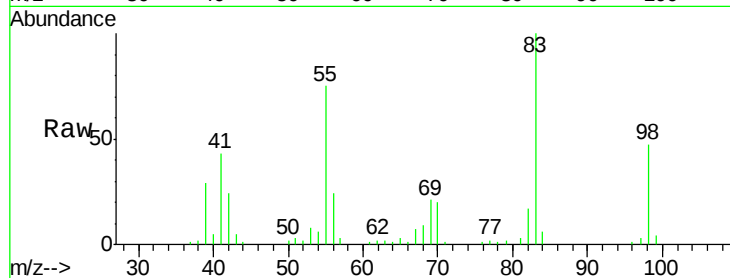
Tgt Ion: 83 Resp: 58307

Ion Ratio Lower Upper

83 100

55 74.7 64.2 96.2

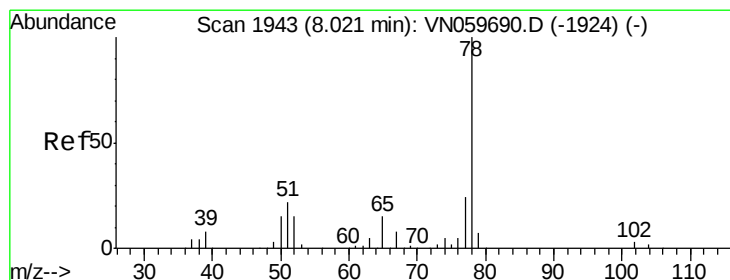
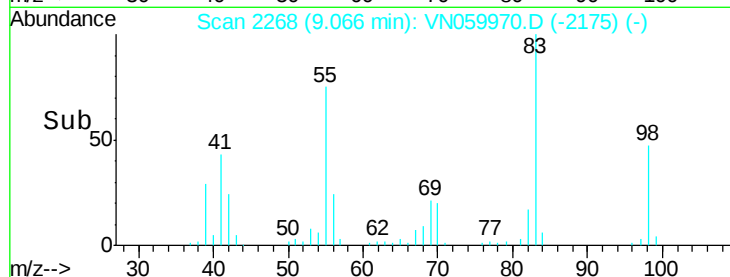
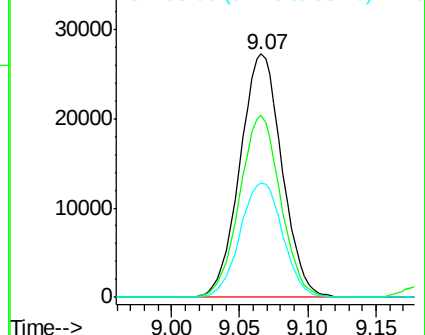
98 47.1 35.9 53.9



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 19.87 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN059970.D

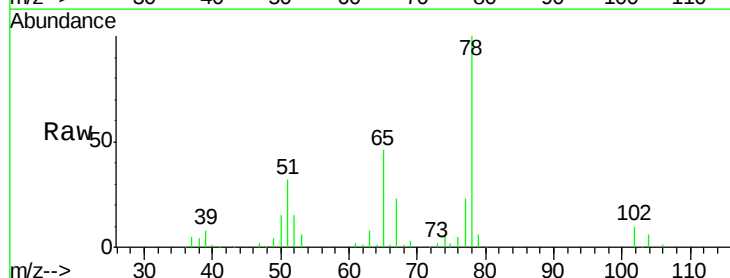
Acq: 3 Feb 2020 13:31

Tgt Ion: 78 Resp: 155705

Ion Ratio Lower Upper

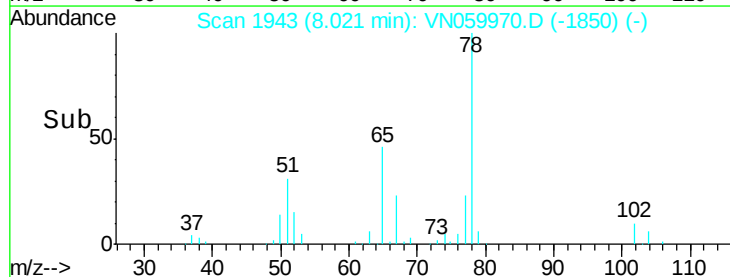
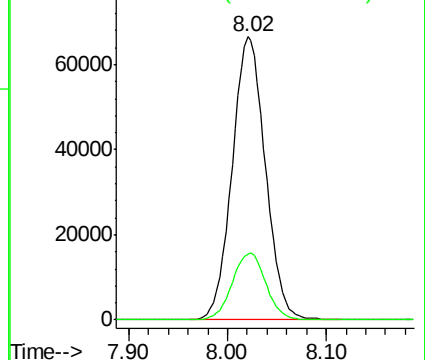
78 100

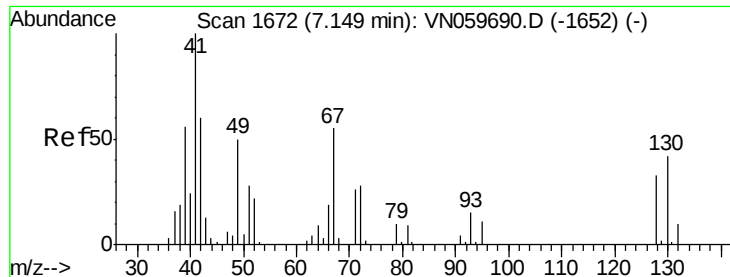
77 23.4 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

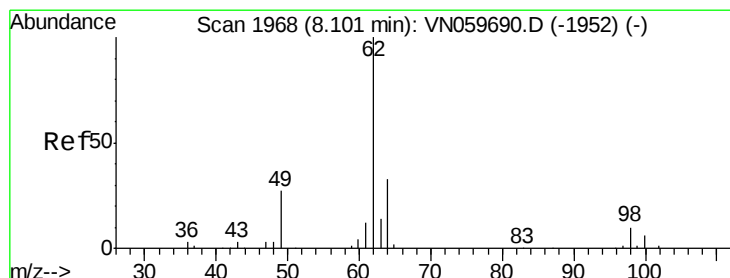
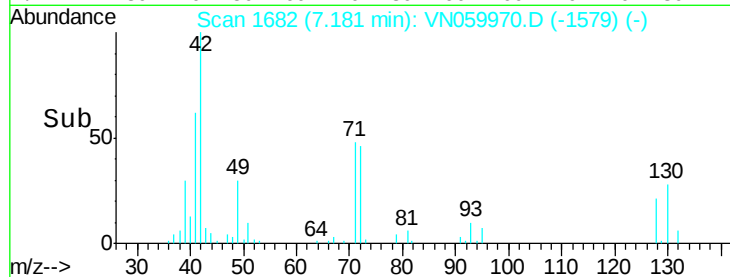
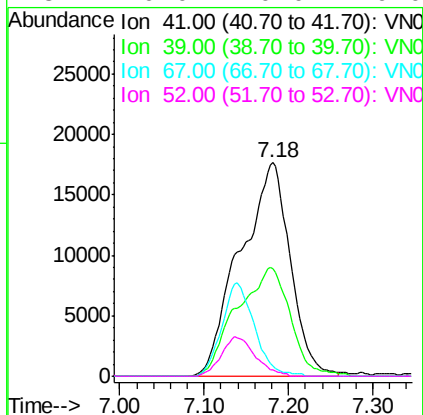
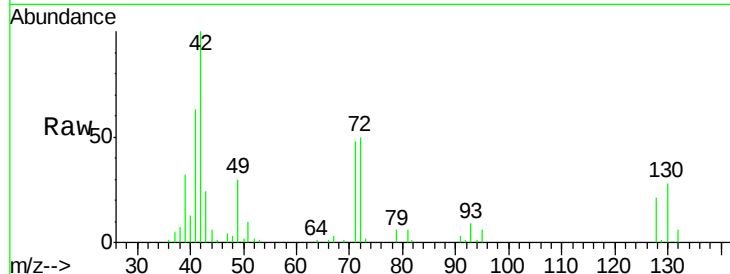




#41
Methacrylonitrile
Concen: 59.99 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

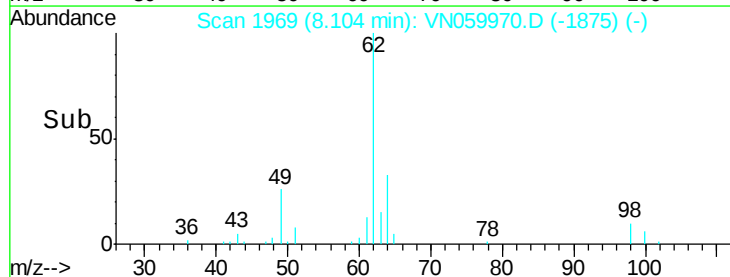
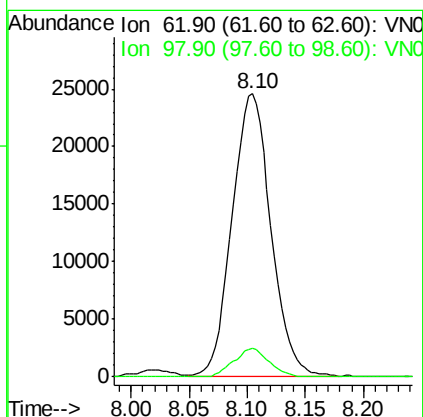
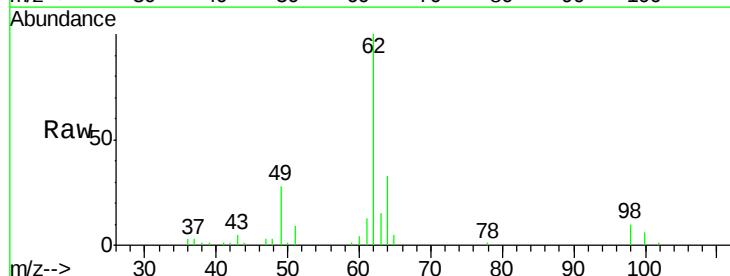
Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

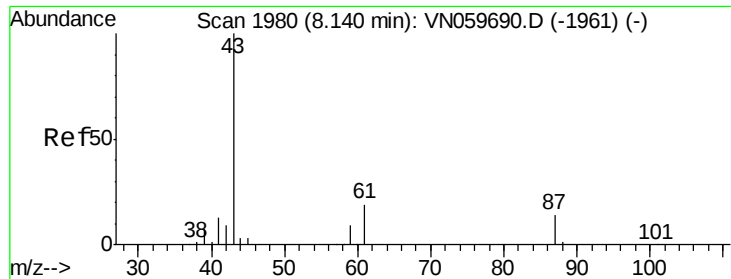
Tgt Ion:	41	Resp:	72827
Ion	Ratio	Lower	Upper
41	100		
39	54.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 21.56 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion:	62	Resp:	57289
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	15.8

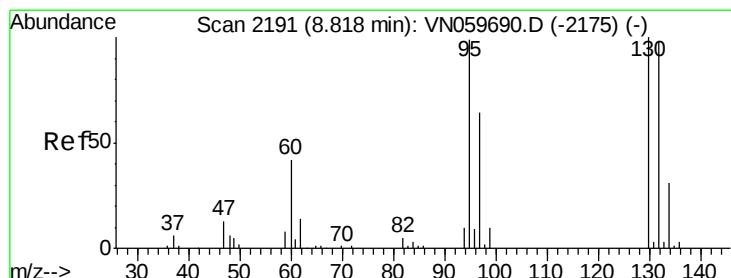
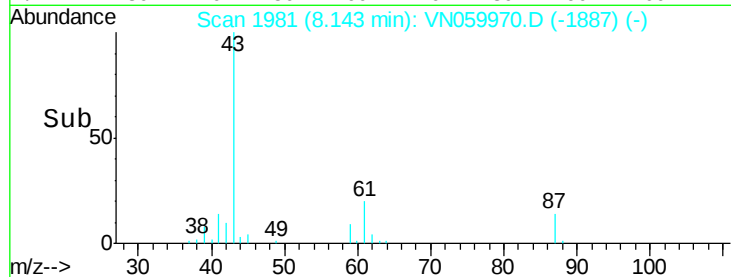
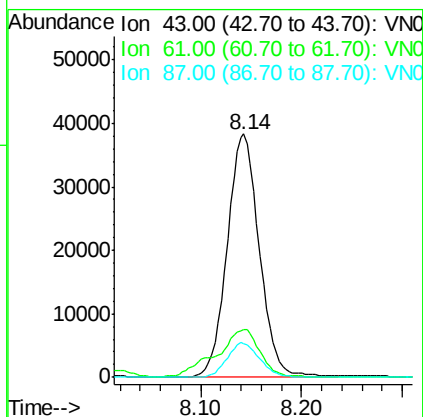
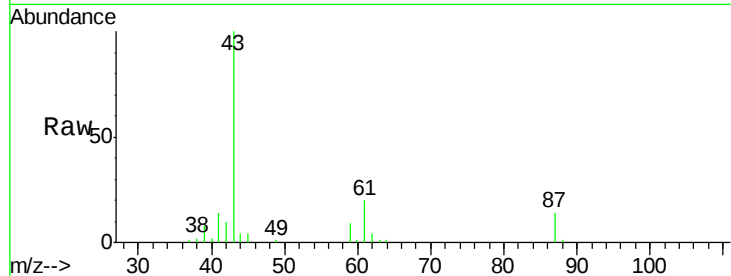




#43
Isopropyl Acetate
Concen: 20.09 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

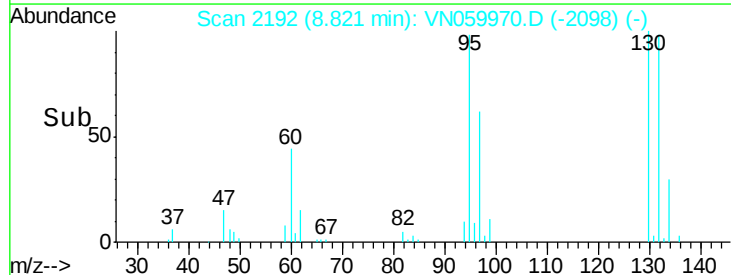
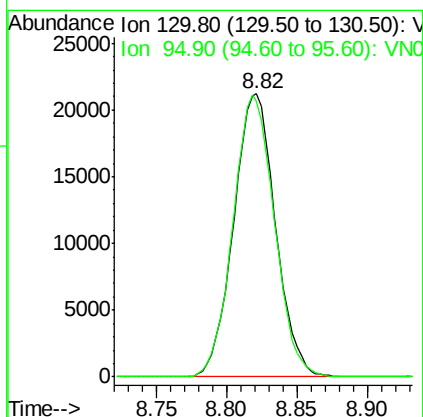
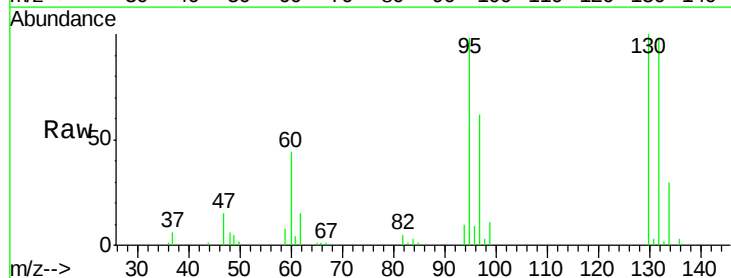
Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

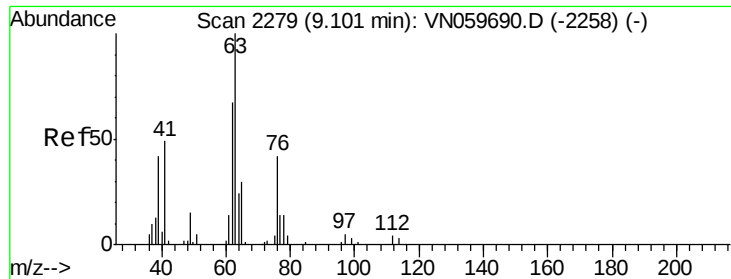
Tgt Ion: 43 Resp: 85165
Ion Ratio Lower Upper
43 100
61 27.0 20.2 30.2
87 14.2 9.5 14.3



#44
Trichloroethene
Concen: 20.62 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 130 Resp: 44118
Ion Ratio Lower Upper
130 100
95 97.5 0.0 207.0

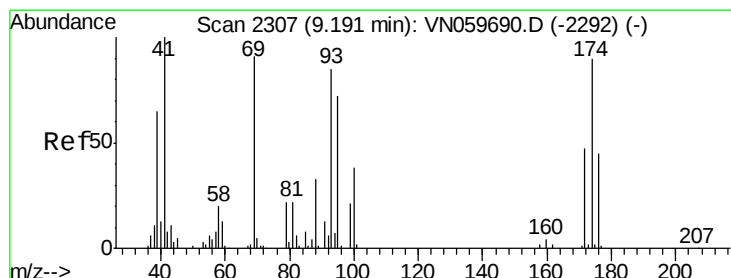
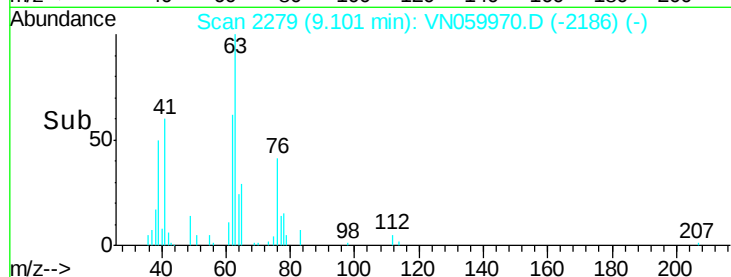
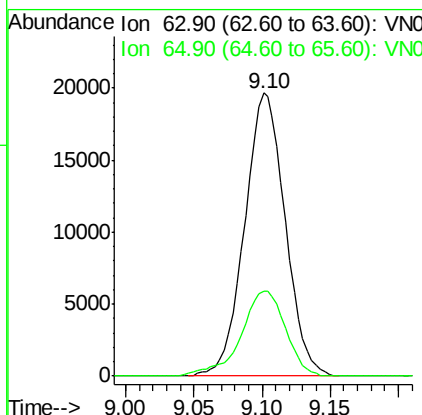
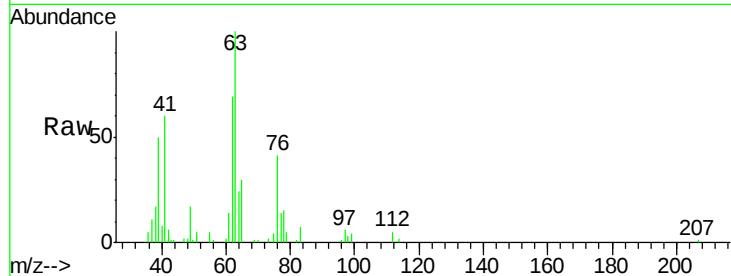




#45
 1,2-Dichloropropane
 Concen: 20.88 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

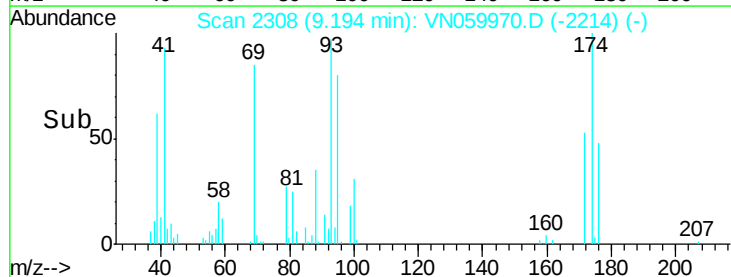
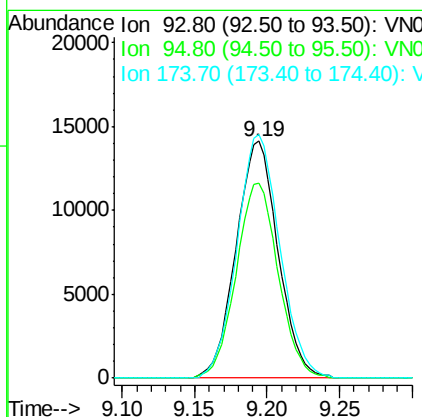
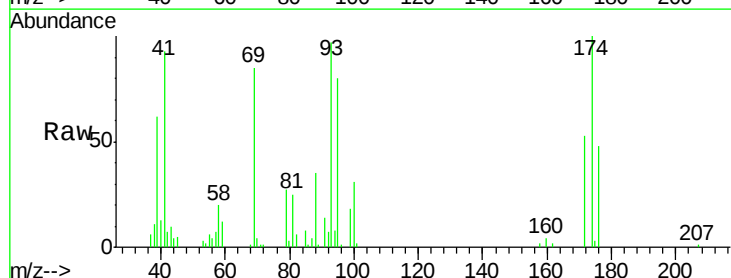
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

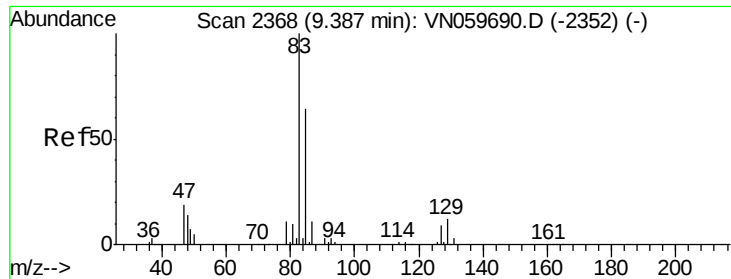
Tgt Ion: 63 Resp: 40491
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.9 37.3



#46
 Dibromomethane
 Concen: 20.84 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion: 93 Resp: 28505
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.0 100.6
 174 104.6 73.4 110.2

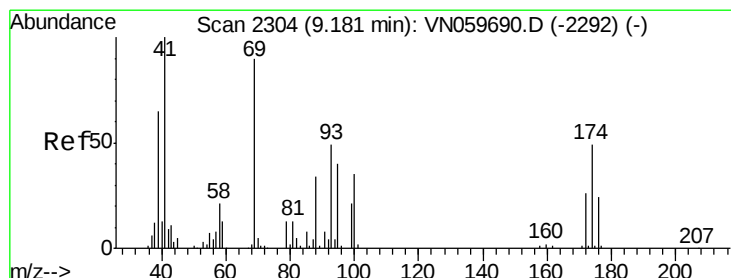
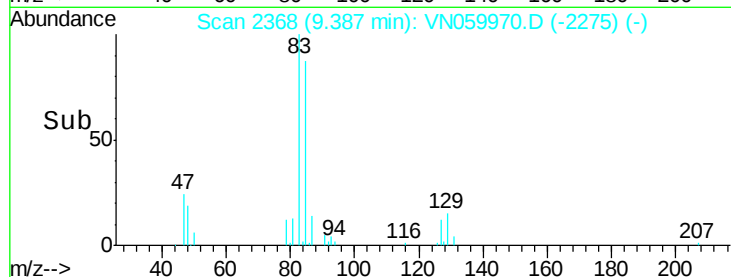
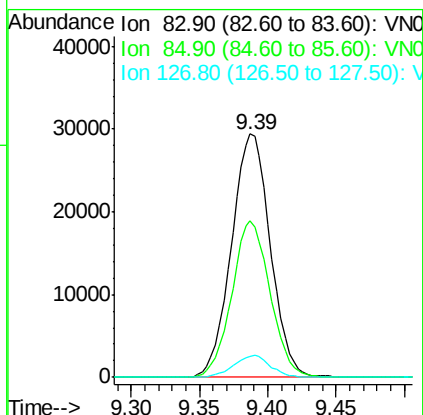
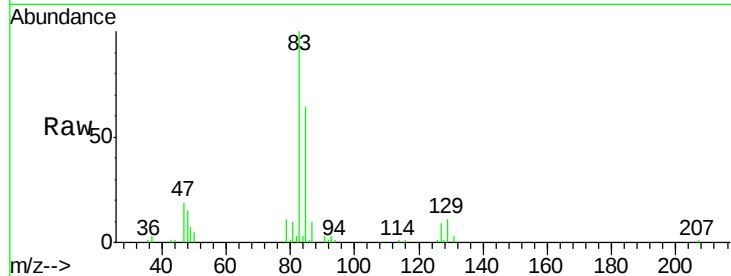




#47
Bromodichloromethane
Concen: 21.08 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

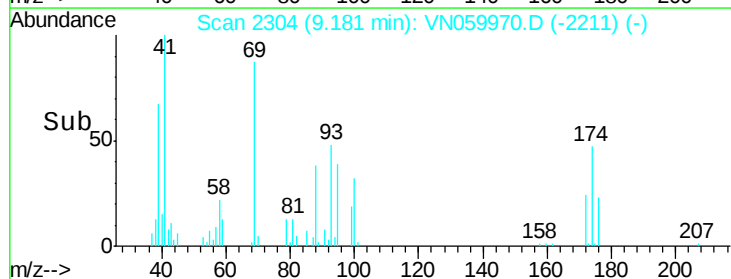
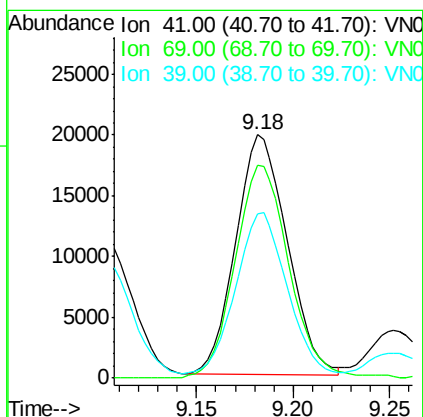
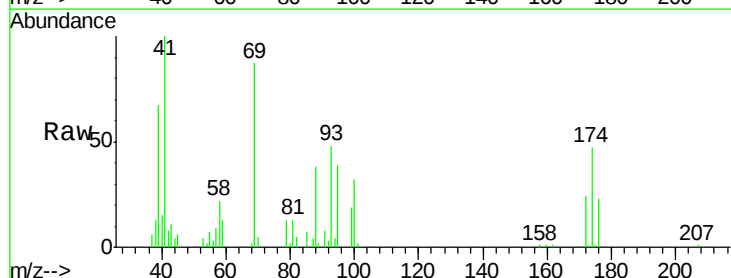
Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tgt Ion: 83 Resp: 58101
Ion Ratio Lower Upper
83 100
85 64.3 51.1 76.7
127 8.5 6.6 9.8



#48
Methyl methacrylate
Concen: 19.27 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 41 Resp: 36536
Ion Ratio Lower Upper
41 100
69 93.1 64.4 96.6
39 67.0 51.3 76.9

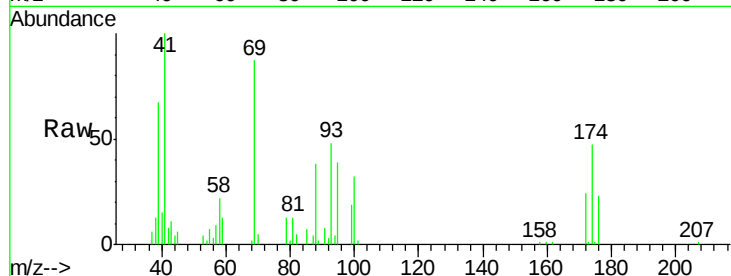




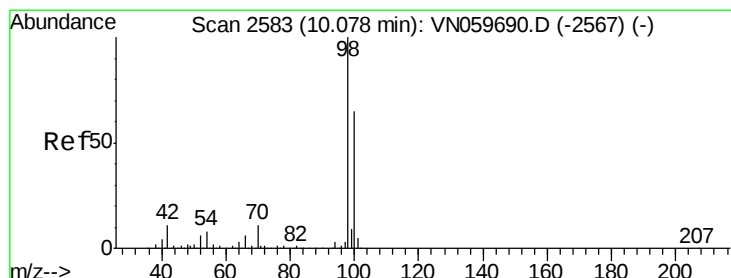
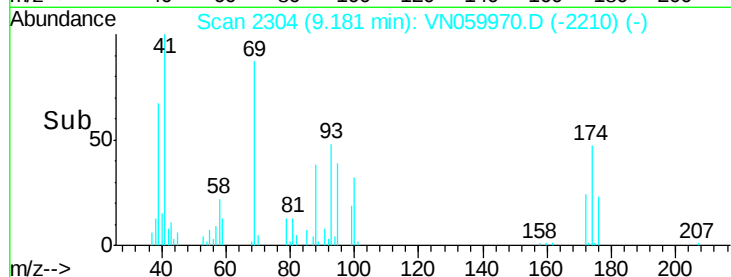
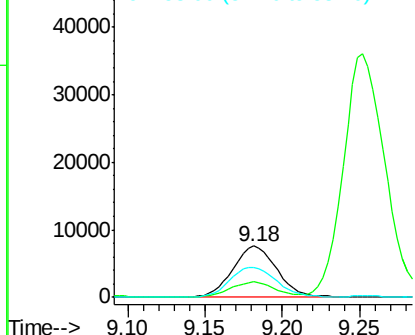
#49
1,4-Dioxane
Concen: 430.15 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tgt Ion: 88 Resp: 14932
Ion Ratio Lower Upper
88 100
43 31.8 29.7 44.5
58 62.6 56.6 85.0

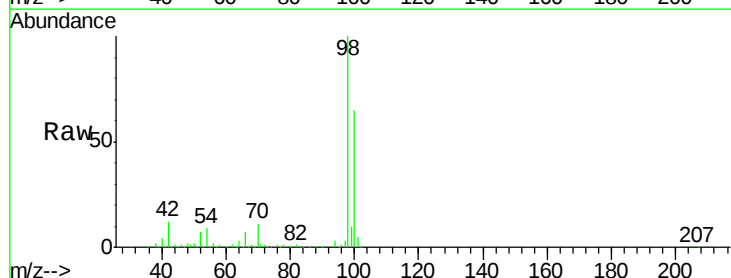


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

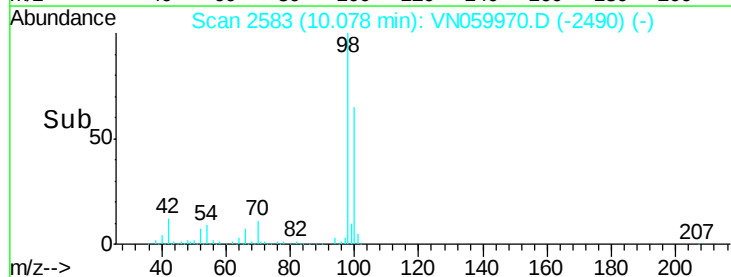
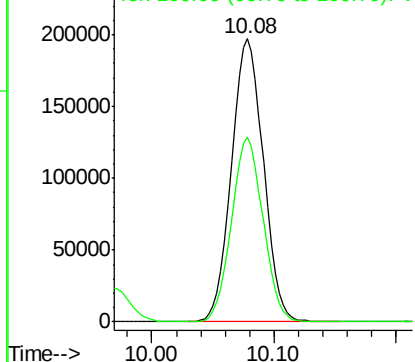


#50
Toluene-d8
Concen: 51.39 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 98 Resp: 358272
Ion Ratio Lower Upper
98 100
100 64.7 51.2 76.8



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

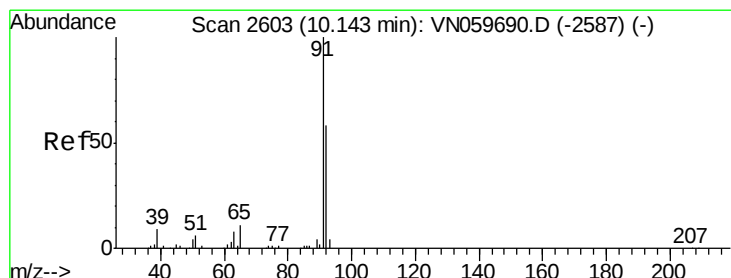
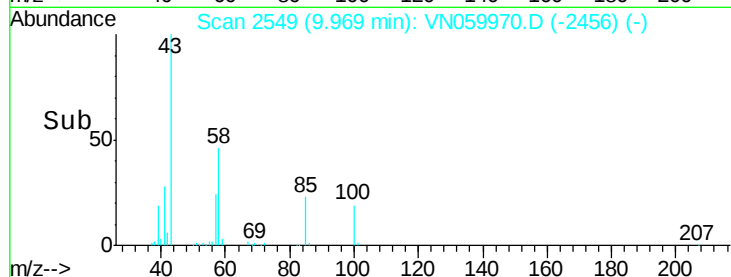
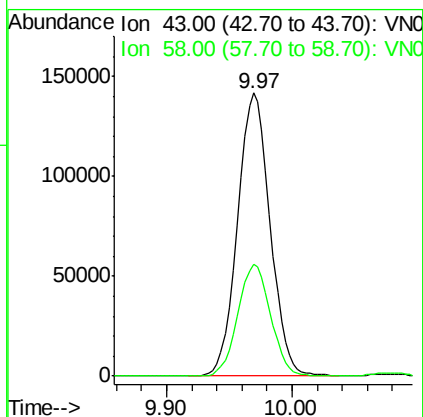
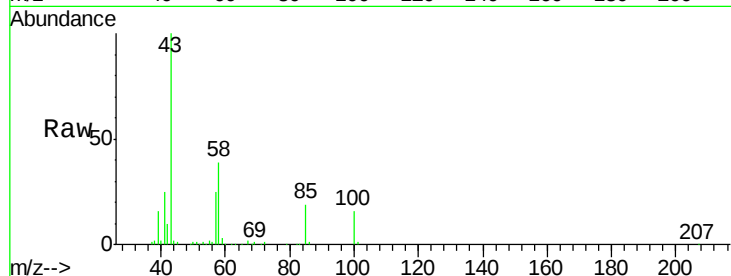




#51
 4-Methyl-2-Pentanone
 Concen: 104.33 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

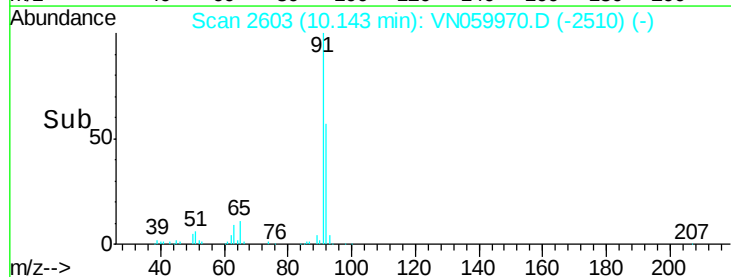
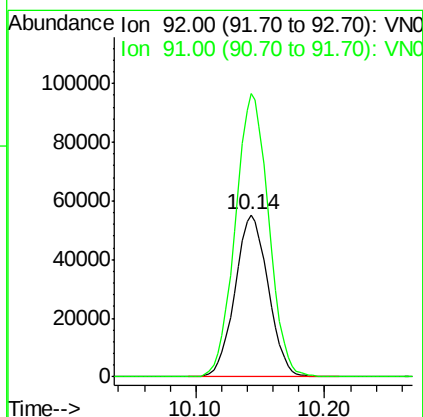
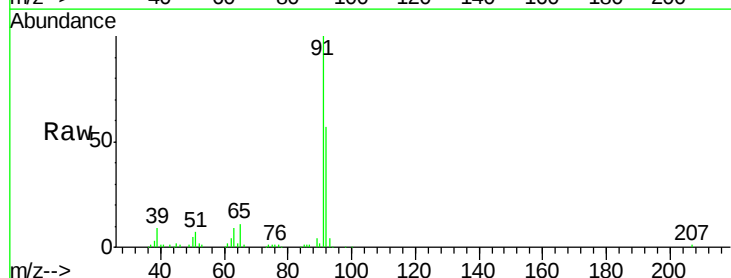
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

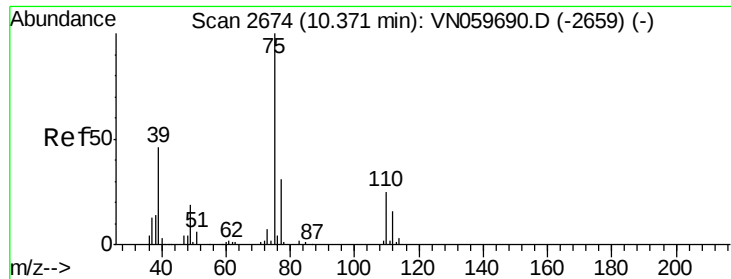
Tgt Ion: 43 Resp: 255679
 Ion Ratio Lower Upper
 43 100
 58 39.8 29.8 44.8



#52
 Toluene
 Concen: 19.92 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion: 92 Resp: 98615
 Ion Ratio Lower Upper
 92 100
 91 175.5 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 20.94 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

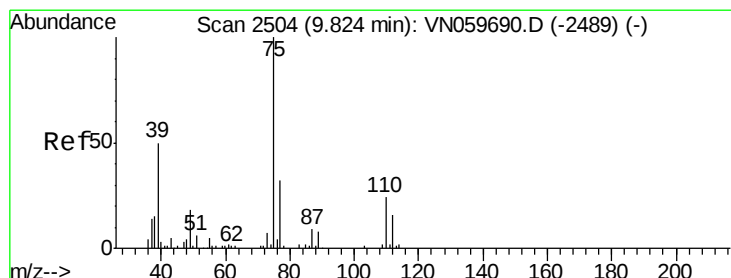
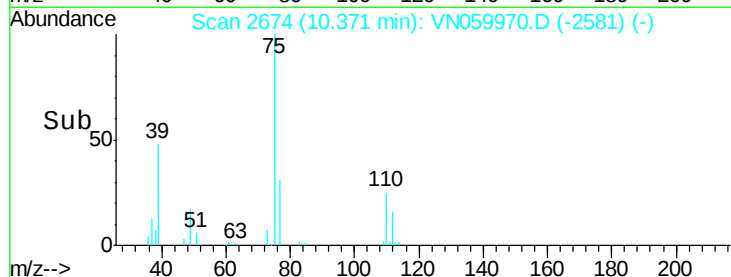
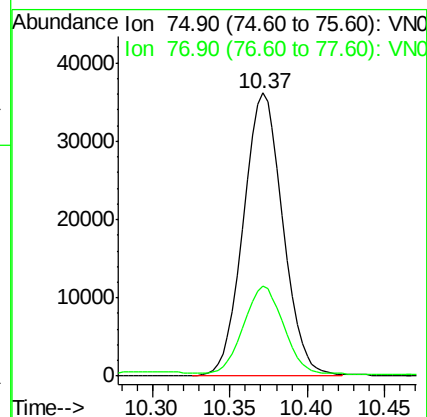
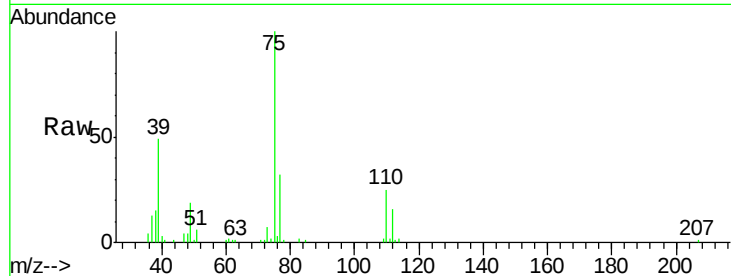
VN0203WBSD01

Tgt Ion: 75 Resp: 64457

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.03 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

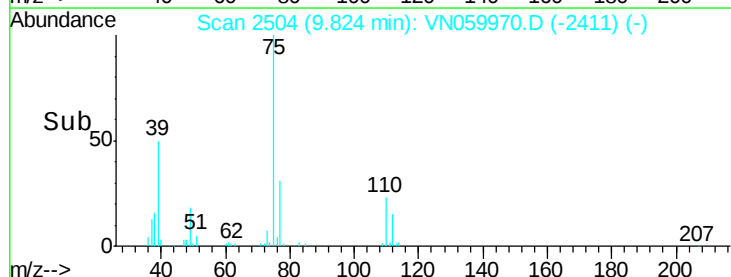
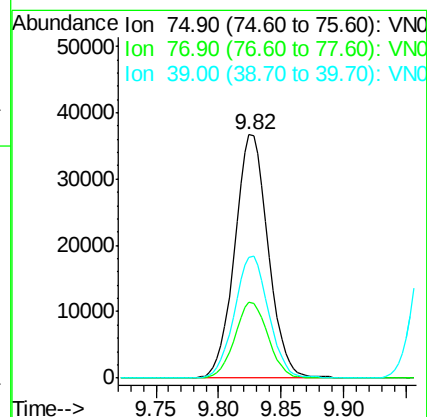
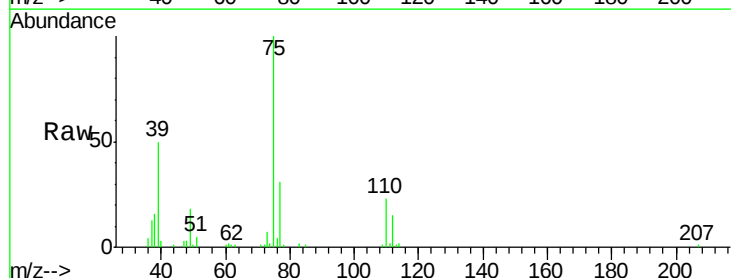
Tgt Ion: 75 Resp: 68102

Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7

39 49.8 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 21.32 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0203WBSD01

Tgt Ion: 97 Resp: 41808

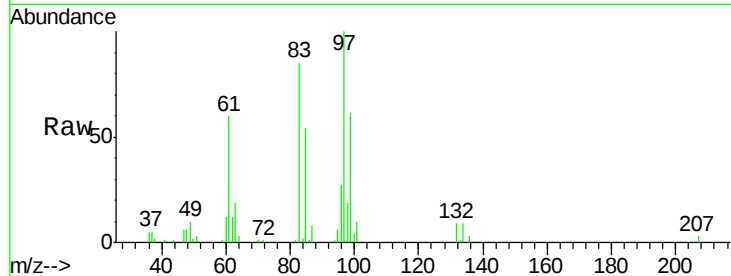
Ion Ratio Lower Upper

97 100

83 85.3 71.3 106.9

85 54.4 45.8 68.8

99 60.7 50.0 75.0

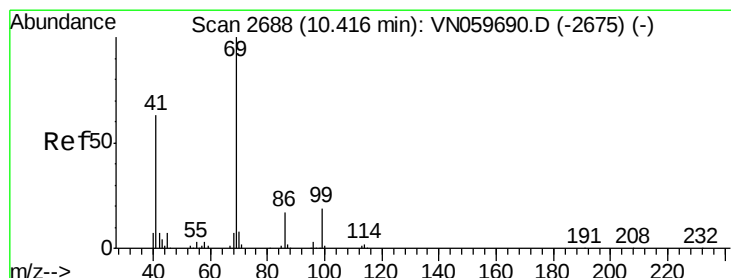
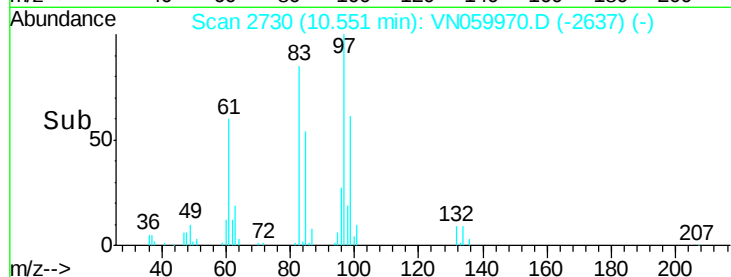
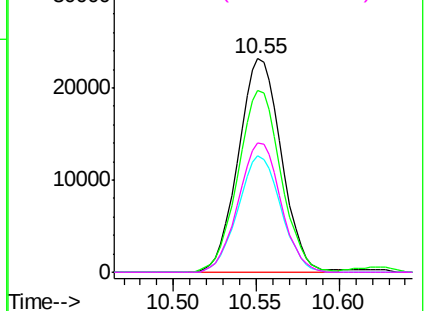


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.40 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

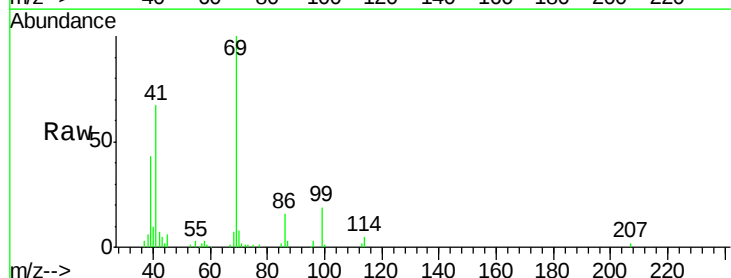
Tgt Ion: 69 Resp: 58122

Ion Ratio Lower Upper

69 100

41 64.9 57.1 85.7

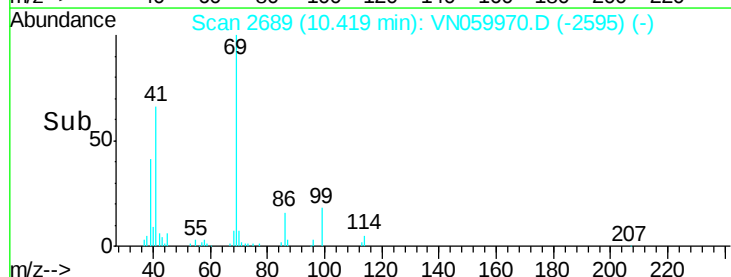
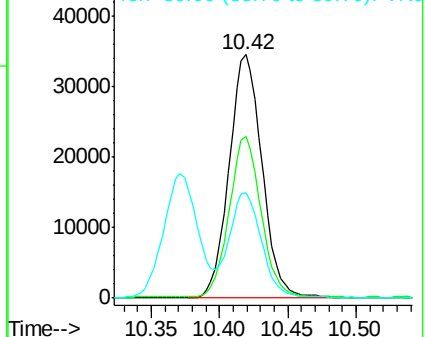
39 42.8 34.7 52.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.87 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

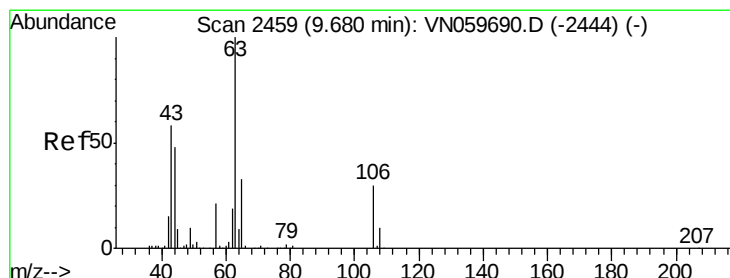
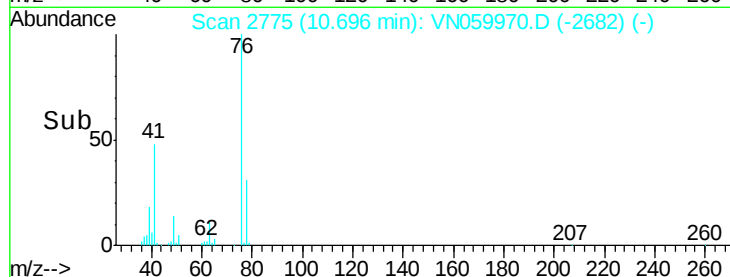
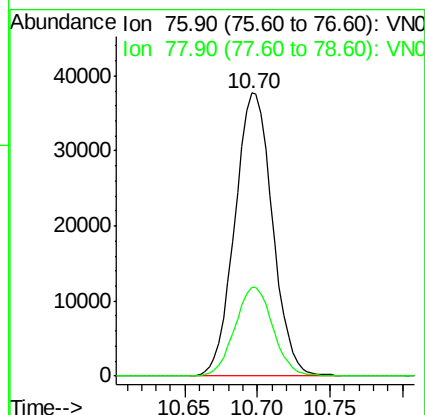
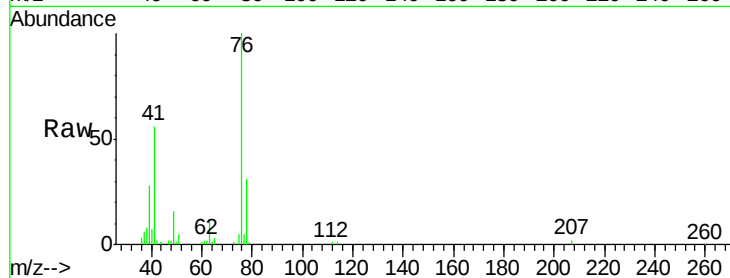
VN0203WBSD01

Tgt Ion: 76 Resp: 68072

Ion Ratio Lower Upper

76 100

78 31.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 106.85 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059970.D

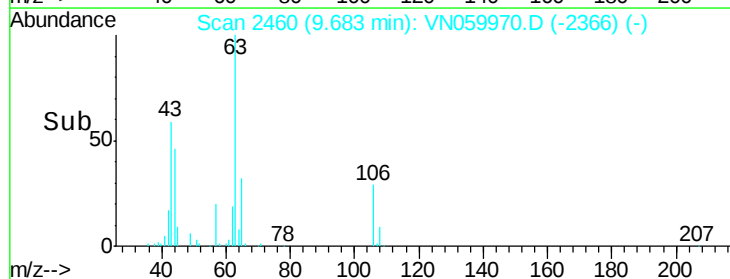
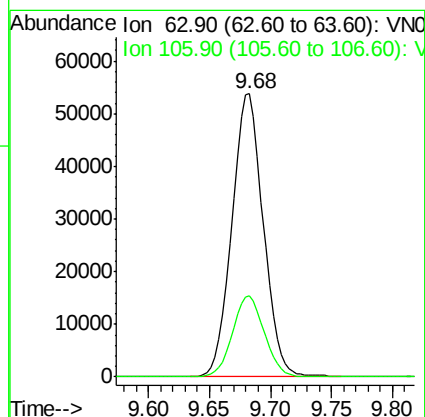
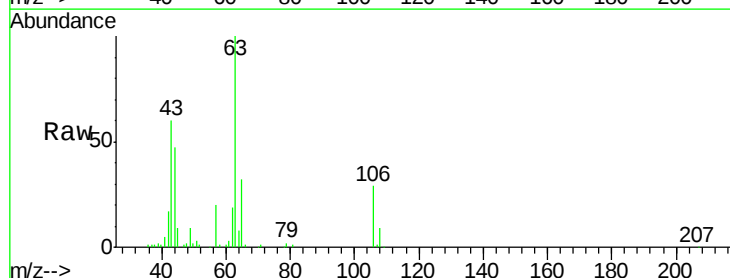
Acq: 3 Feb 2020 13:31

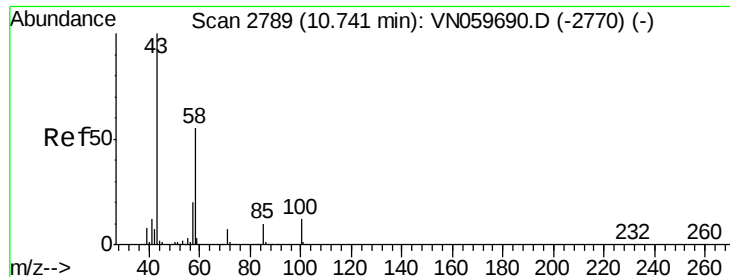
Tgt Ion: 63 Resp: 96420

Ion Ratio Lower Upper

63 100

106 28.7 20.2 30.2

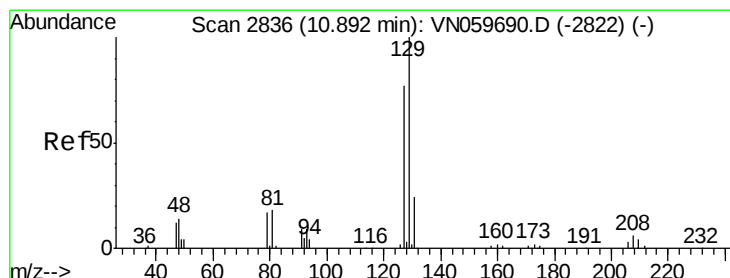
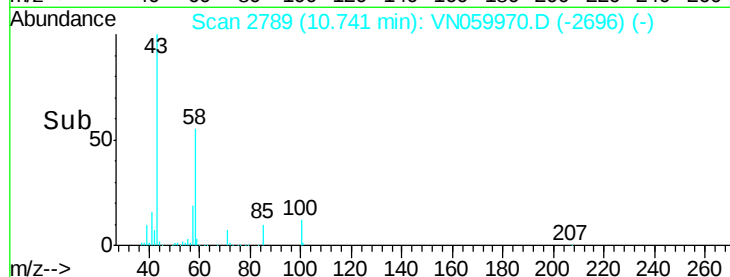
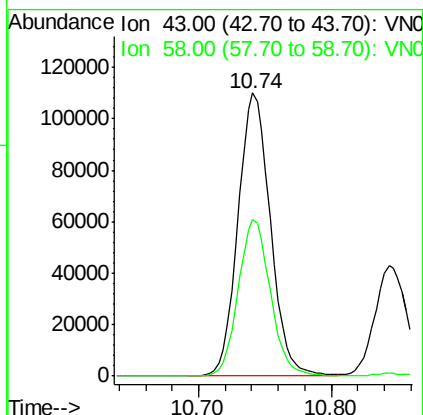
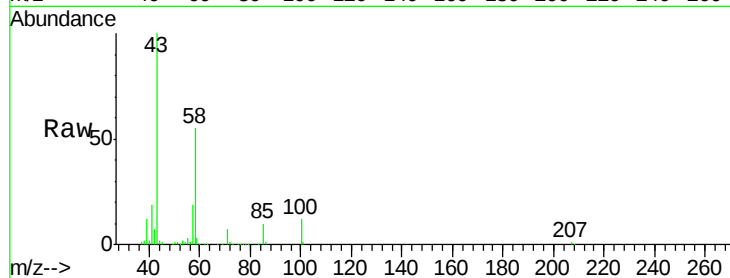




#59
2-Hexanone
Concen: 103.64 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

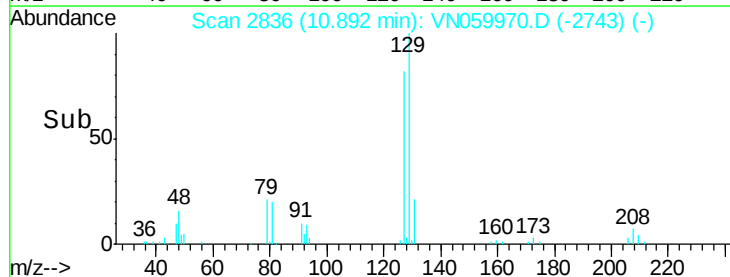
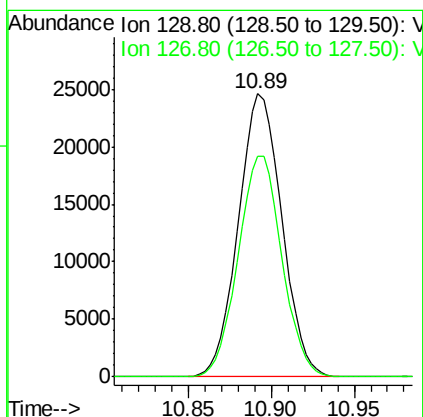
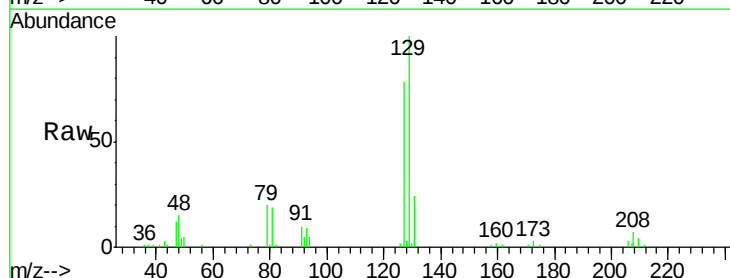
Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

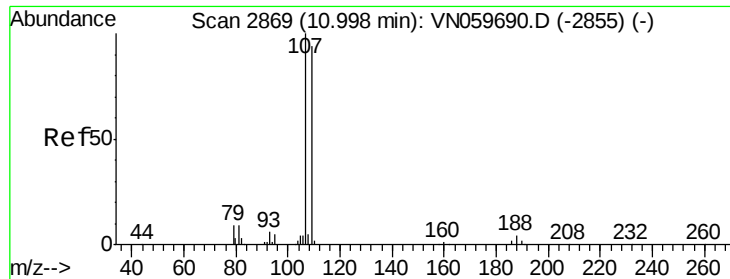
Tgt Ion: 43 Resp: 187103
Ion Ratio Lower Upper
43 100
58 54.8 25.8 77.3



#60
Dibromochloromethane
Concen: 20.07 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion: 129 Resp: 44812
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.59 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

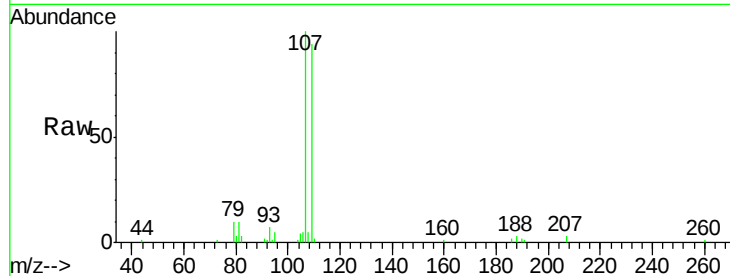
VN0203WBSD01

Tgt Ion: 107 Resp: 42317

Ion Ratio Lower Upper

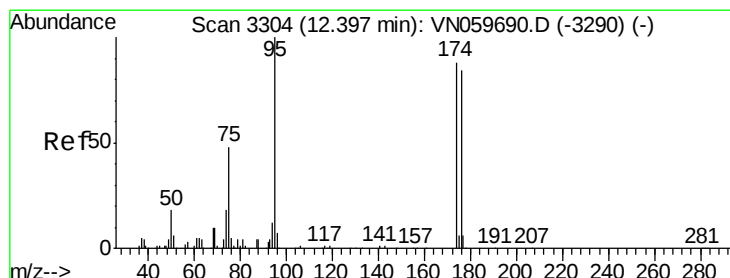
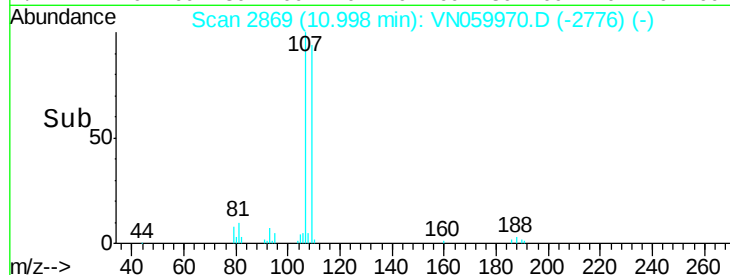
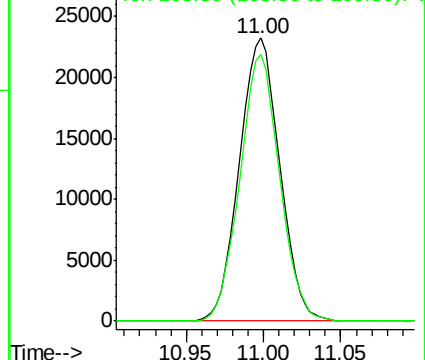
107 100

109 92.5 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.02 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

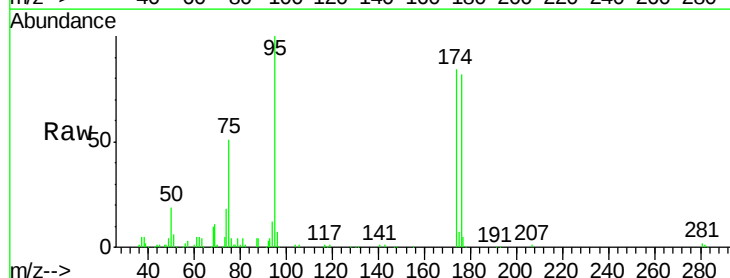
Tgt Ion: 95 Resp: 130743

Ion Ratio Lower Upper

95 100

174 85.9 0.0 151.4

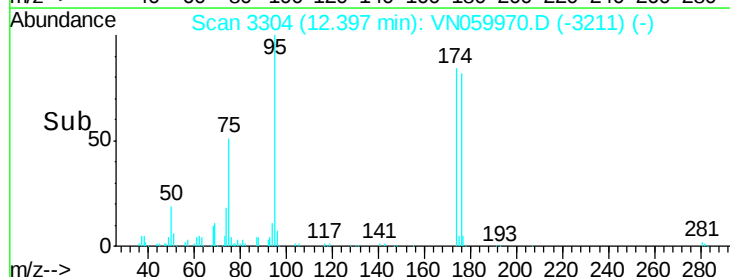
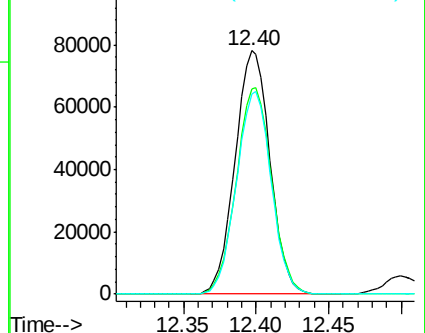
176 82.9 0.0 146.0

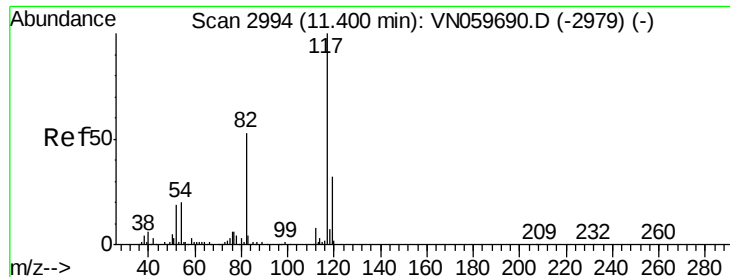


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

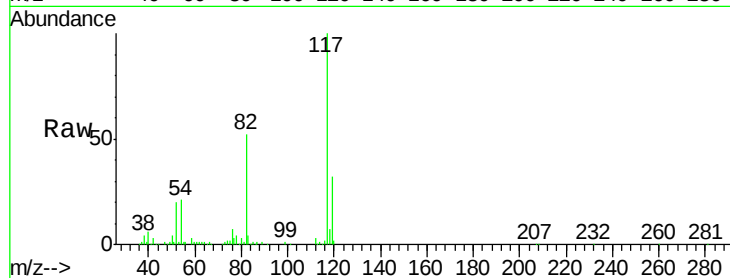
Tgt Ion:117 Resp: 274315

Ion Ratio Lower Upper

117 100

82 52.4 45.9 68.9

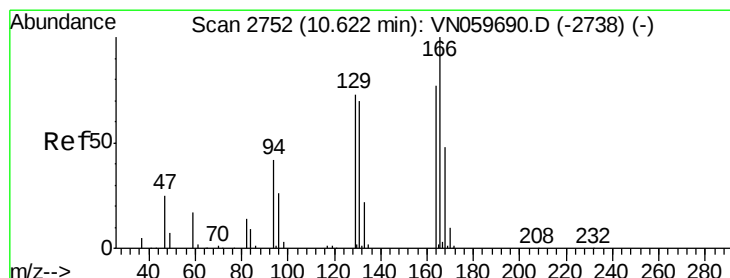
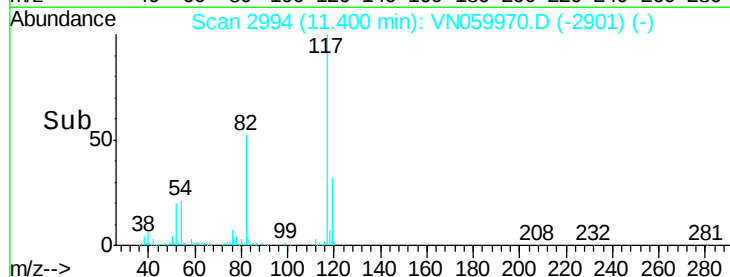
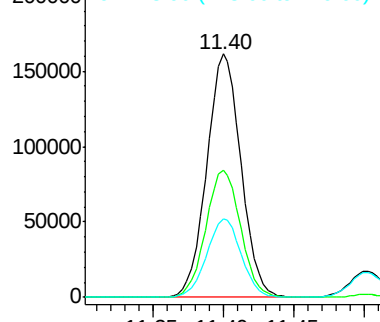
119 32.3 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.45 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Tgt Ion:164 Resp: 45730

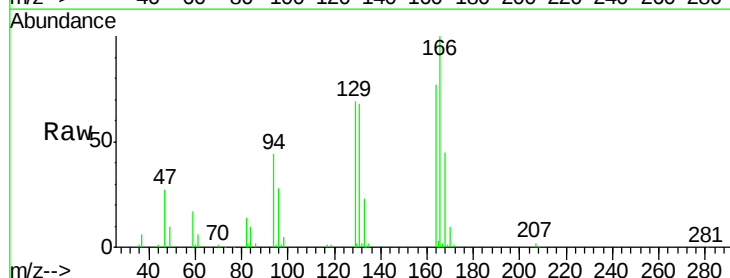
Ion Ratio Lower Upper

164 100

166 130.3 101.4 152.0

129 89.6 80.2 120.4

131 88.4 75.0 112.4

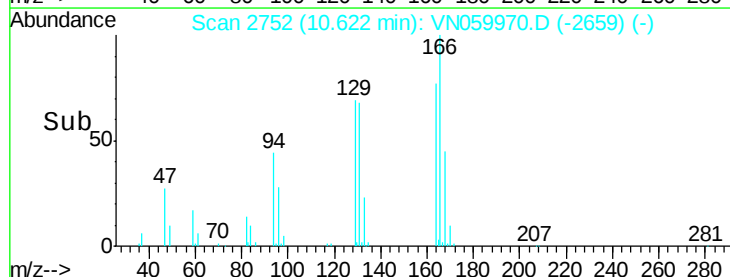
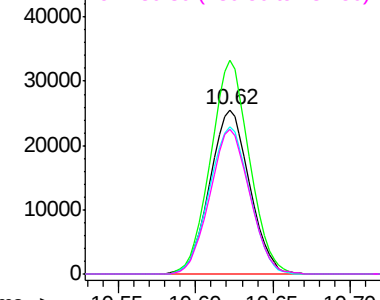


Abundance Ion 163.80 (163.50 to 164.50): V

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

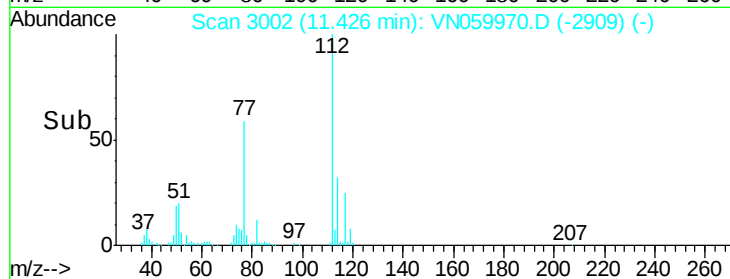
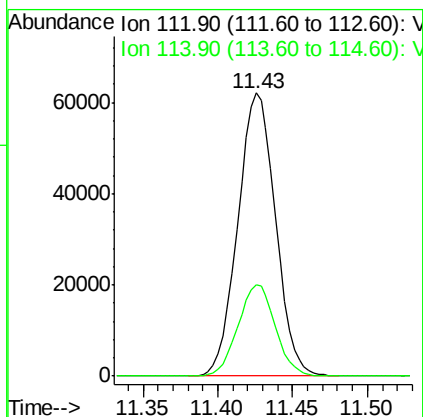
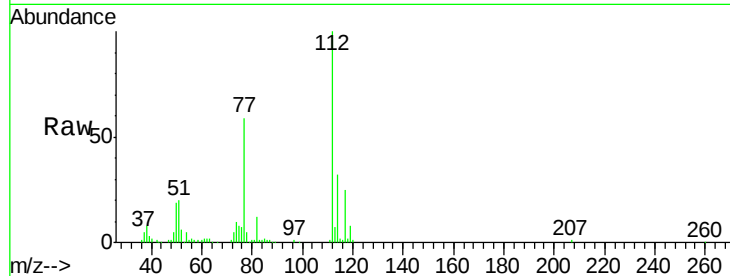




#65
Chlorobenzene
Concen: 20.18 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

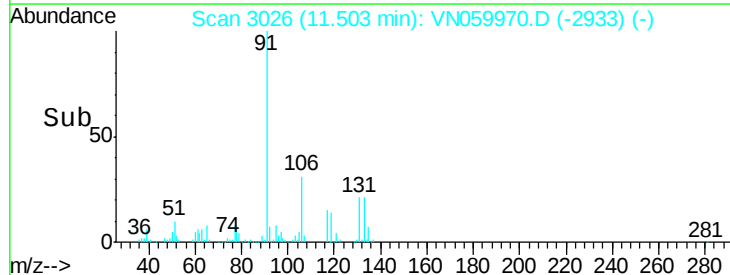
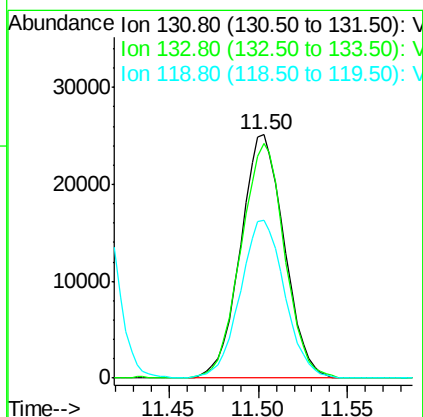
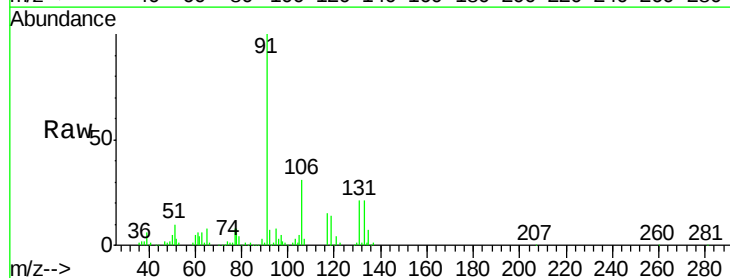
Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tgt Ion:112 Resp: 108816
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.59 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion:131 Resp: 42893
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.2
119 65.9 33.1 99.3





#67

Ethyl Benzene

Concen: 19.85 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

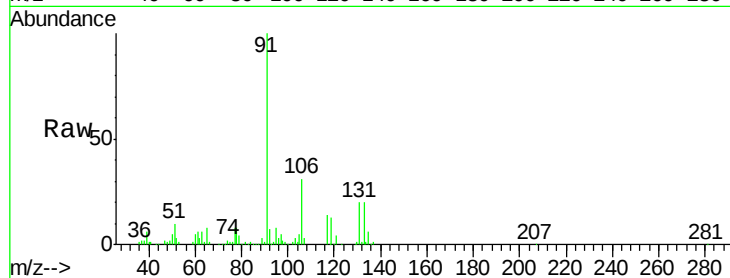
VN0203WBSD01

Tgt Ion: 91 Resp: 194292

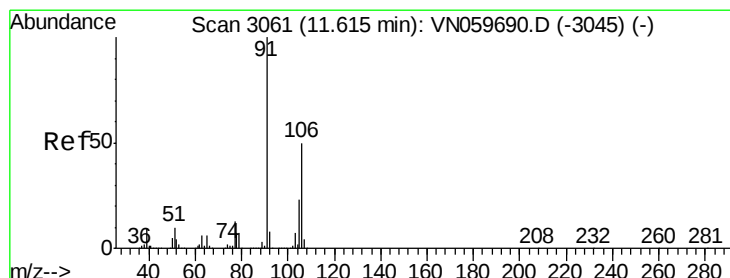
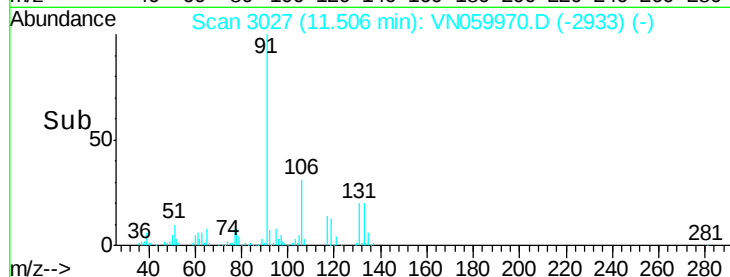
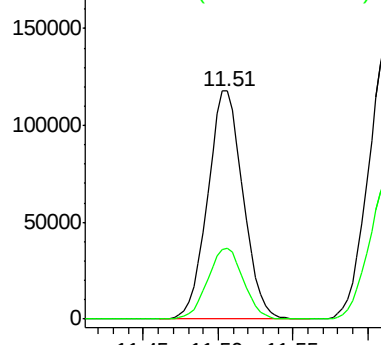
Ion Ratio Lower Upper

91 100

106 31.3 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059970.D (-2933) (-)



#68

m/p-Xylenes

Concen: 39.19 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059970.D

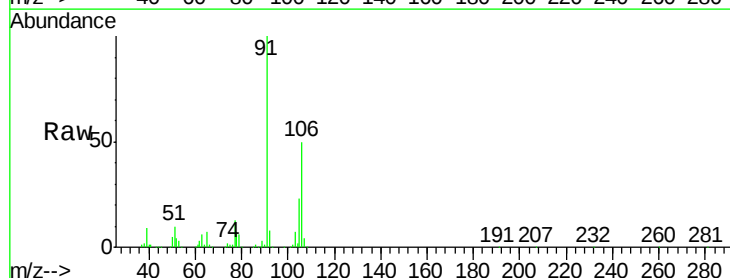
Acq: 3 Feb 2020 13:31

Tgt Ion: 106 Resp: 144897

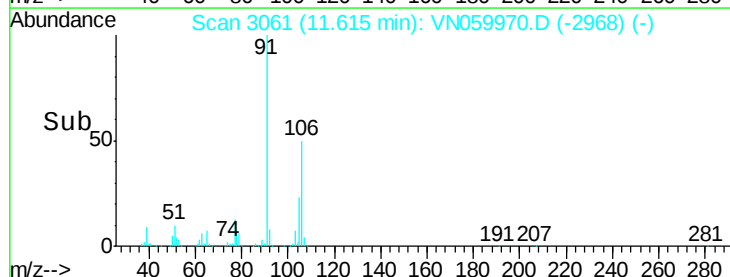
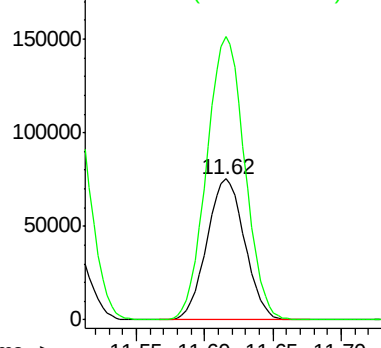
Ion Ratio Lower Upper

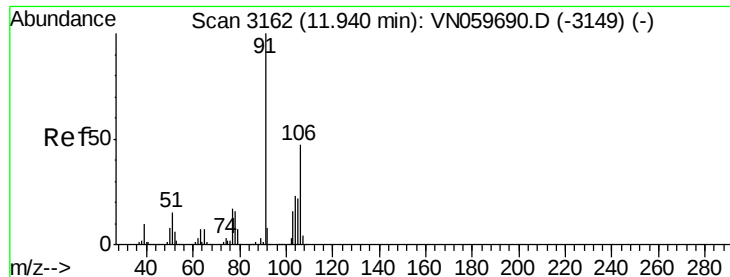
106 100

91 202.1 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059970.D (-2968) (-)

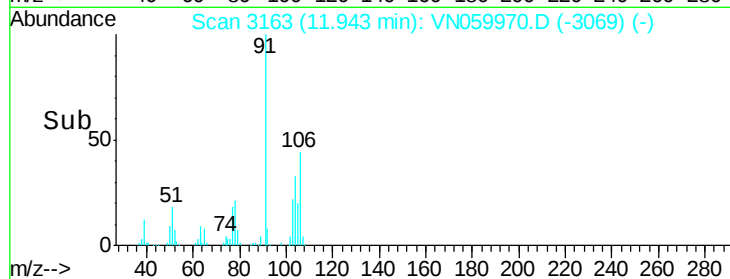
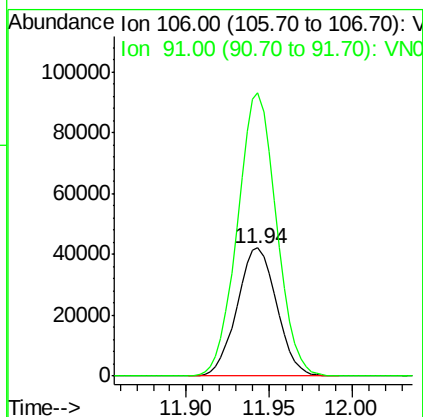
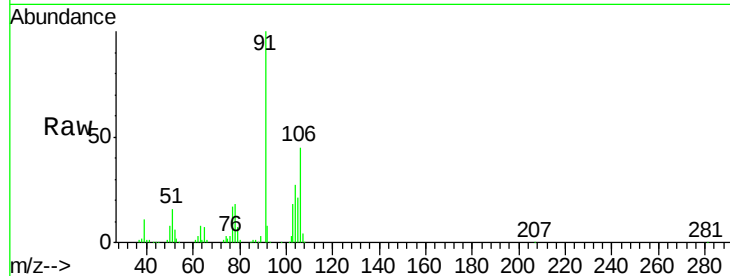




#69
o-Xylene
Concen: 19.40 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

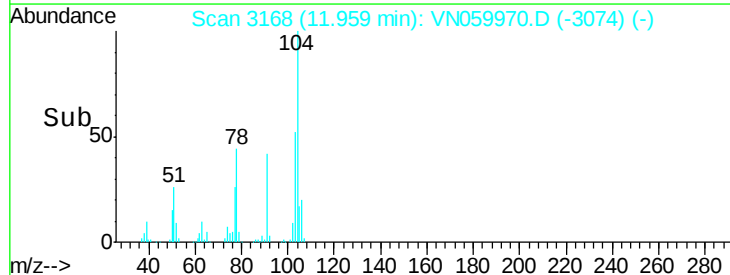
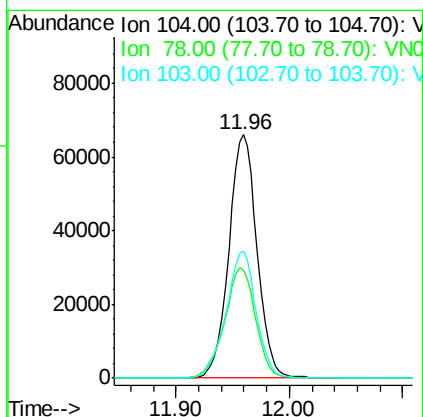
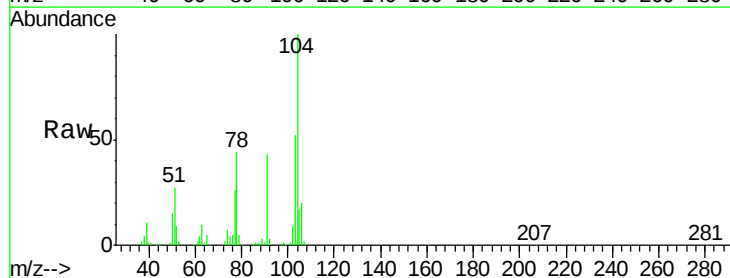
Instrument :
MSVOA_N
ClientSampled :
VN0203WBSD01

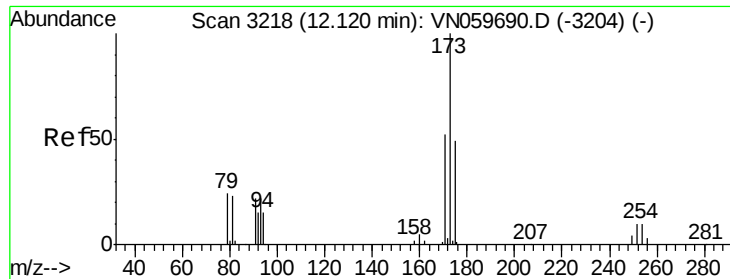
Tgt Ion:106 Resp: 70208
Ion Ratio Lower Upper
106 100
91 216.9 110.3 330.9



#70
Styrene
Concen: 18.85 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion:104 Resp: 114168
Ion Ratio Lower Upper
104 100
78 49.7 42.4 63.6
103 55.4 43.9 65.9

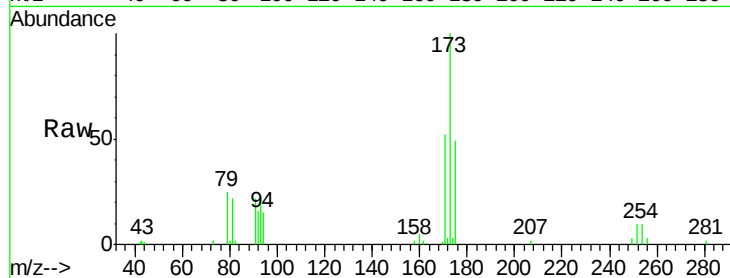




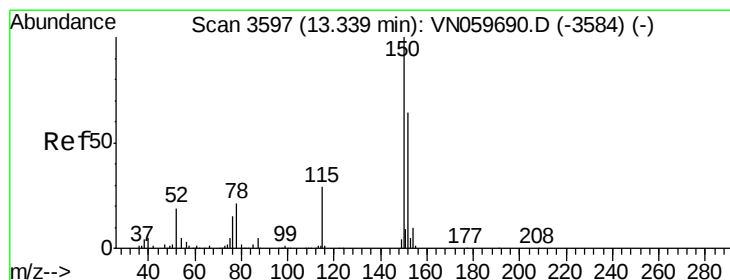
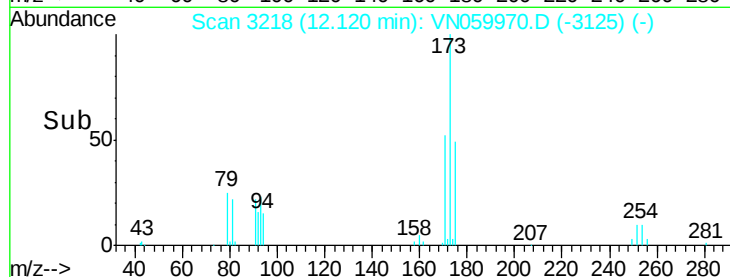
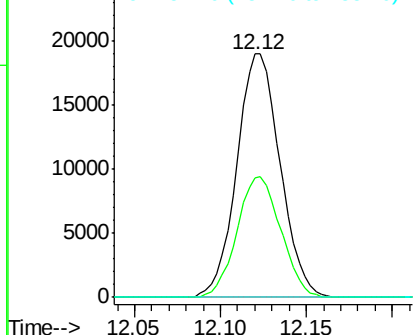
#71
Bromoform
Concen: 19.91 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0203WBSD01

Tgt Ion:173 Resp: 33225
Ion Ratio Lower Upper
173 100
175 49.7 23.8 71.4
254 0.0 0.0 0.0

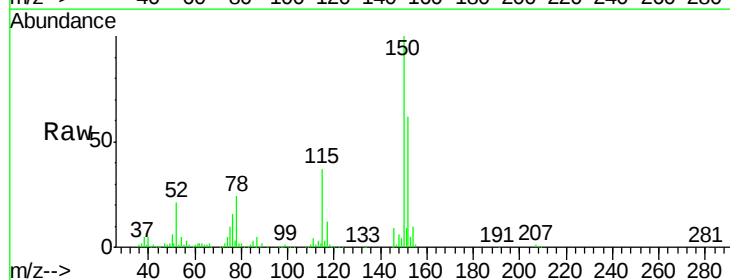


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

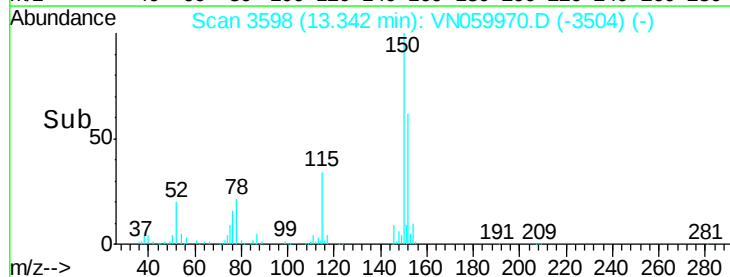
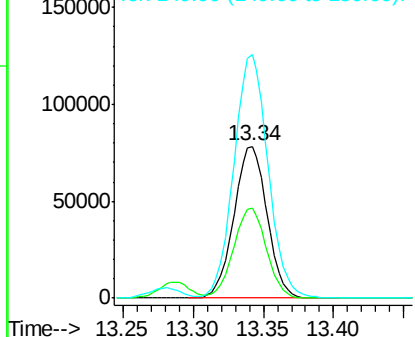


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059970.D
Acq: 3 Feb 2020 13:31

Tgt Ion:152 Resp: 128753
Ion Ratio Lower Upper
152 100
115 58.8 30.3 90.9
150 165.6 0.0 345.2



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: 20.51 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

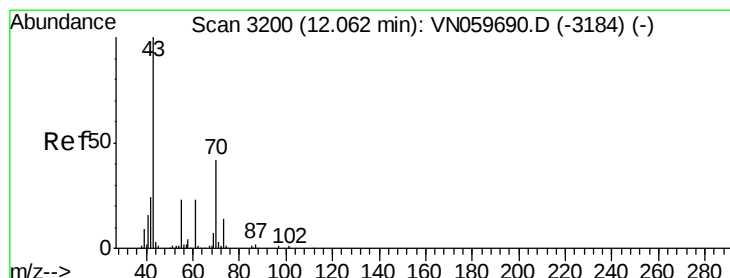
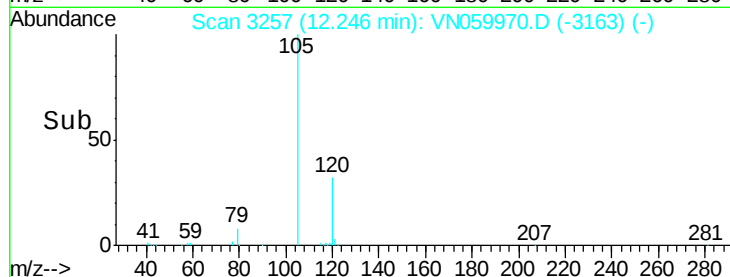
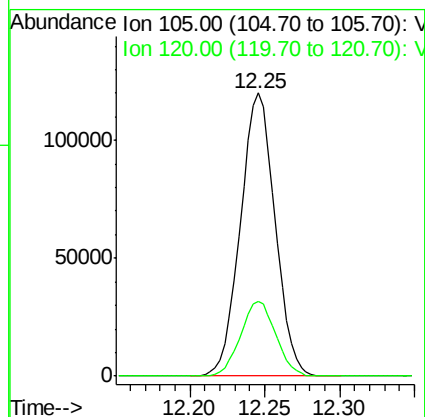
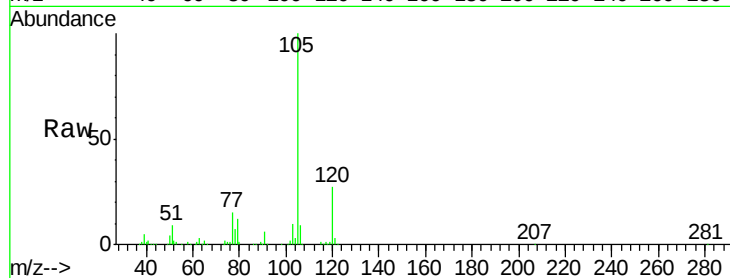
VN0203WBSD01

Tgt Ion: 105 Resp: 193702

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.5



#74

N-ethyl acetate

Concen: 18.99 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Tgt Ion: 43 Resp: 69589

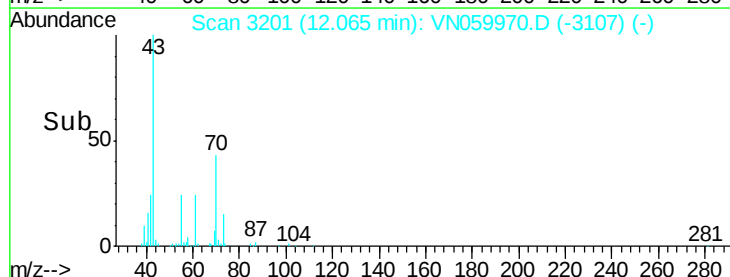
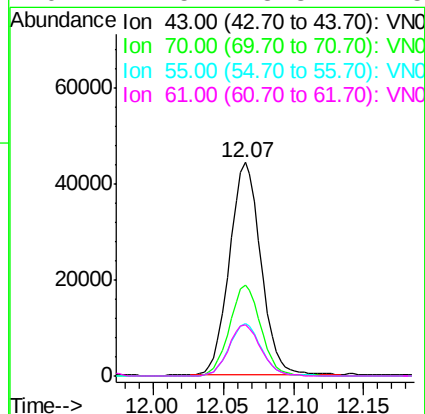
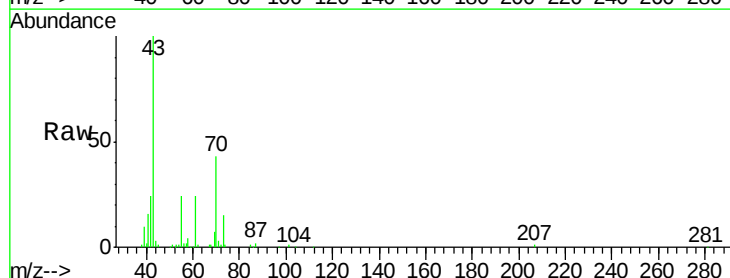
Ion Ratio Lower Upper

43 100

70 42.4 31.3 46.9

55 25.0 19.8 29.6

61 24.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.21 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

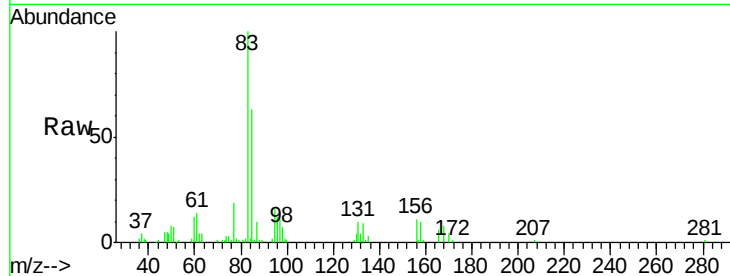
Tgt Ion: 83 Resp: 58052

Ion Ratio Lower Upper

83 100

131 10.1 5.0 14.9

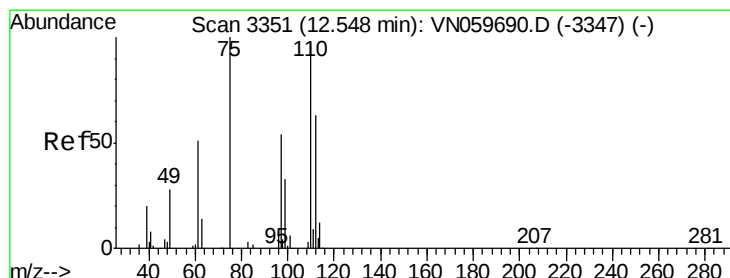
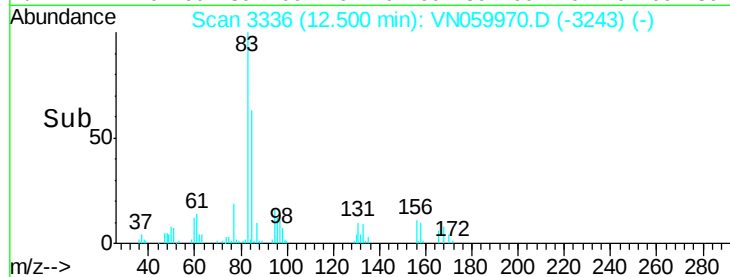
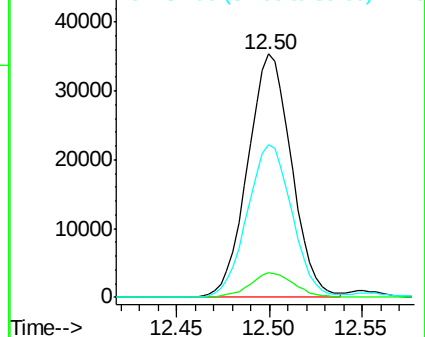
85 63.9 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.19 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059970.D

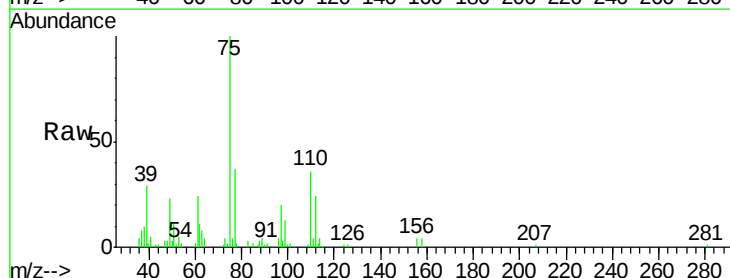
Acq: 3 Feb 2020 13:31

Tgt Ion: 75 Resp: 76248

Ion Ratio Lower Upper

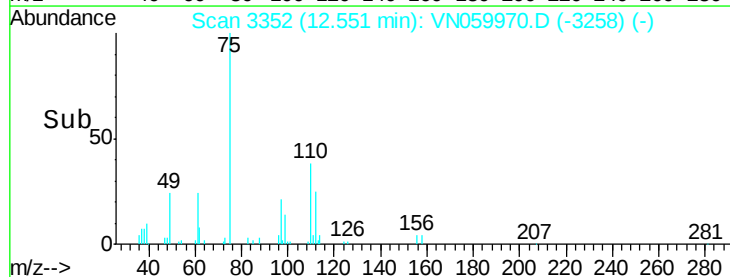
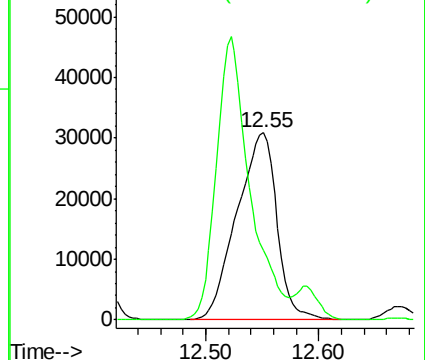
75 100

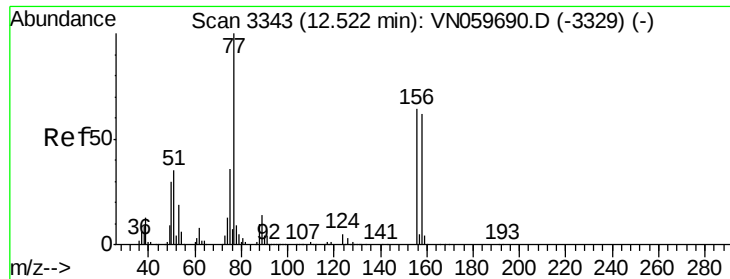
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.40 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

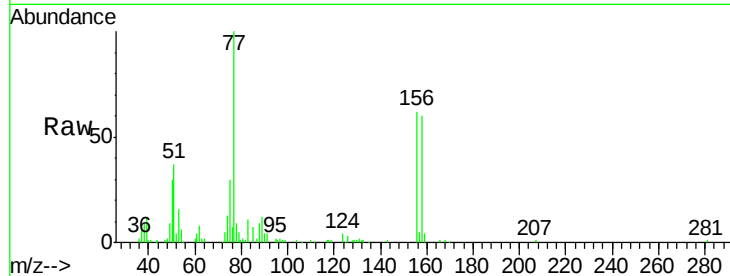
Tgt Ion:156 Resp: 48776

Ion Ratio Lower Upper

156 100

77 197.0 115.8 347.4

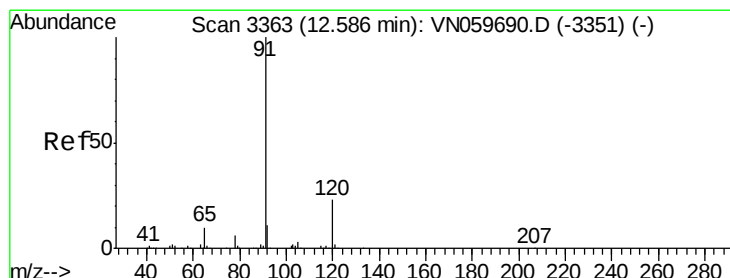
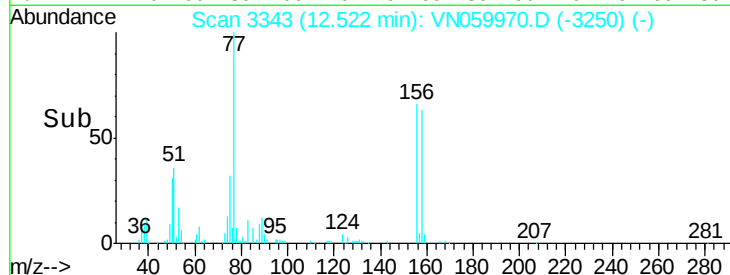
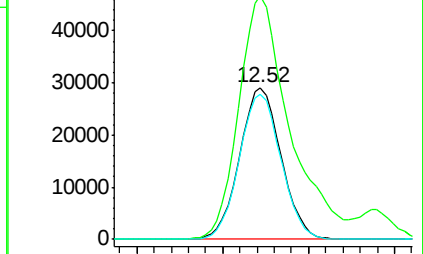
158 96.0 49.2 147.6



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: 20.39 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059970.D

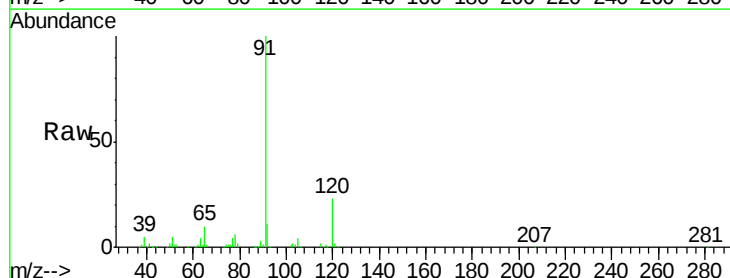
Acq: 3 Feb 2020 13:31

Tgt Ion: 91 Resp: 216147

Ion Ratio Lower Upper

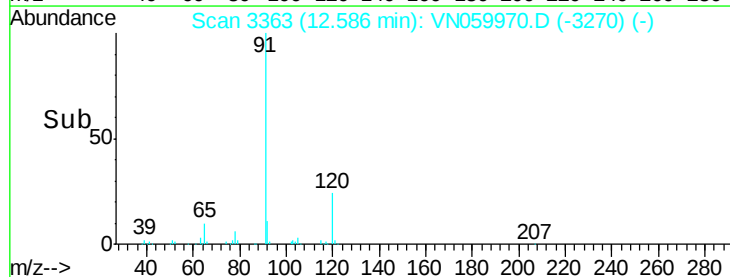
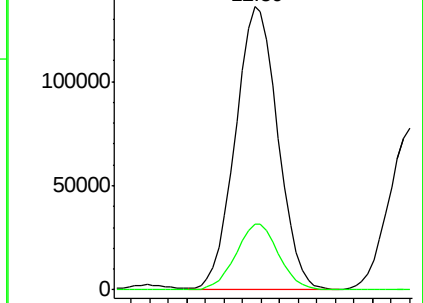
91 100

120 23.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.62 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampled :

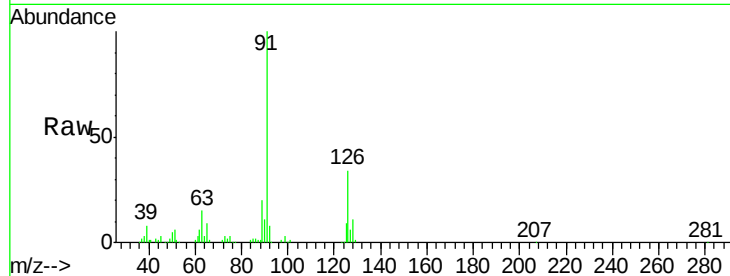
VN0203WBSD01

Tgt Ion: 91 Resp: 130032

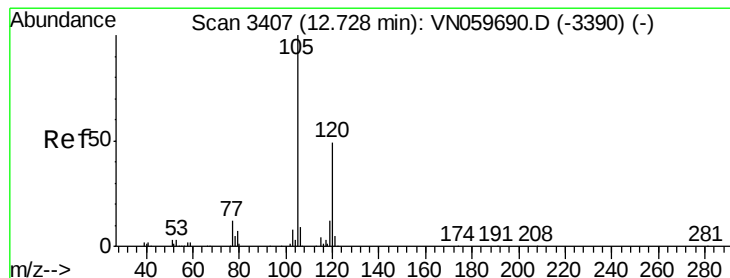
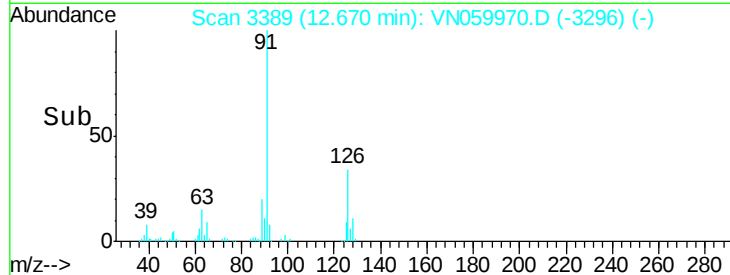
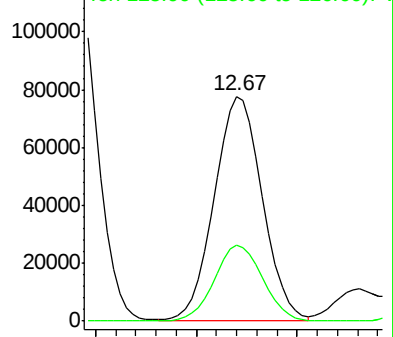
Ion Ratio Lower Upper

91 100

126 34.0 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059970.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.98 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059970.D

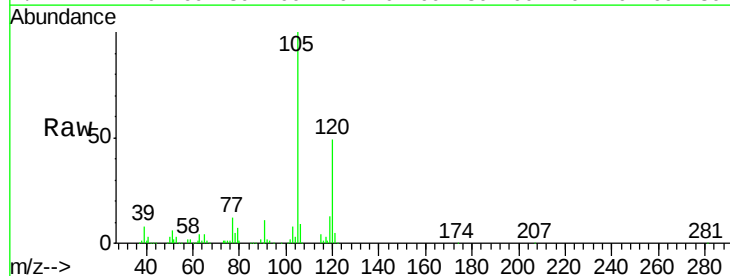
Acq: 3 Feb 2020 13:31

Tgt Ion: 105 Resp: 158677

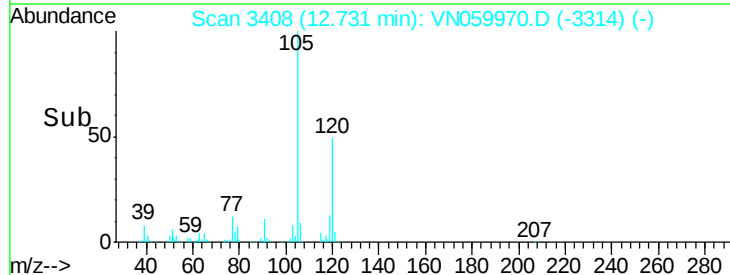
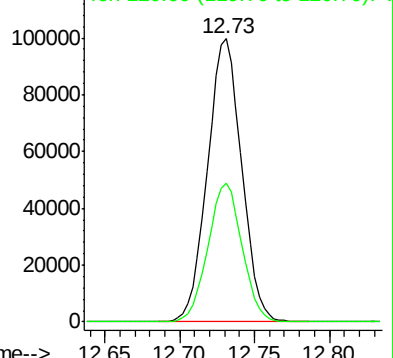
Ion Ratio Lower Upper

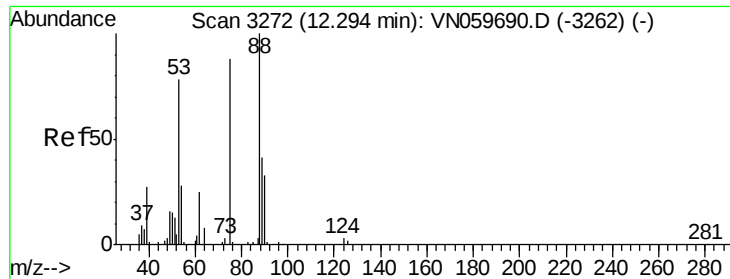
105 100

120 48.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059970.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.28 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0203WBSD01

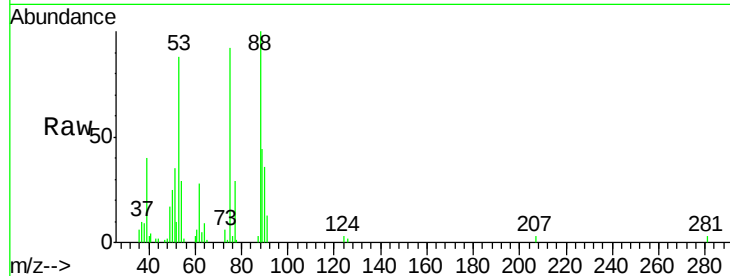
Tgt Ion: 75 Resp: 20463

Ion Ratio Lower Upper

75 100

53 94.9 78.1 117.1

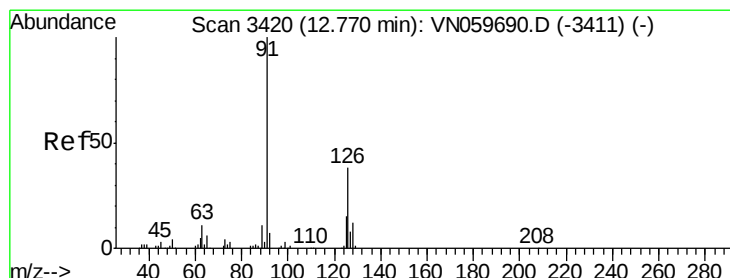
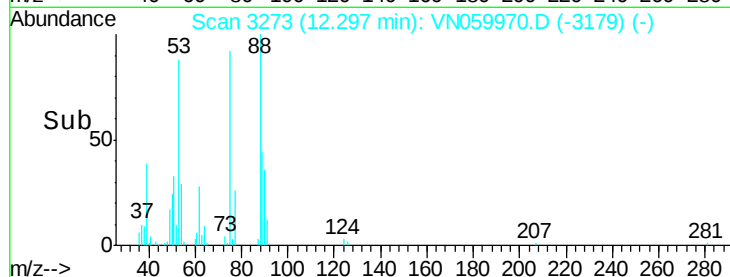
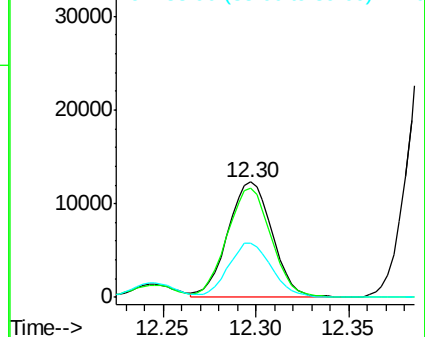
89 45.9 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.73 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059970.D

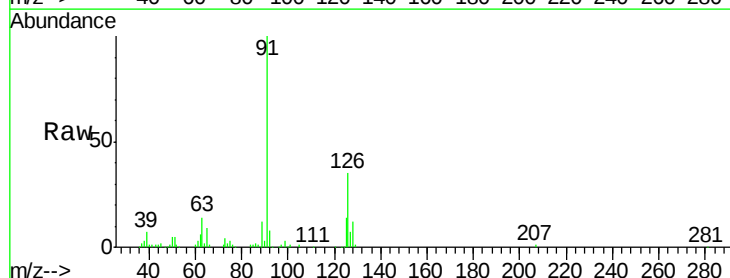
Acq: 3 Feb 2020 13:31

Tgt Ion: 91 Resp: 131066

Ion Ratio Lower Upper

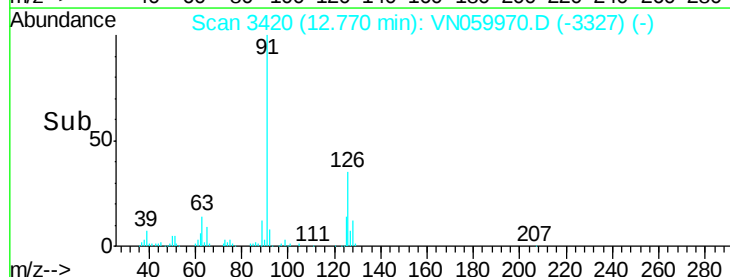
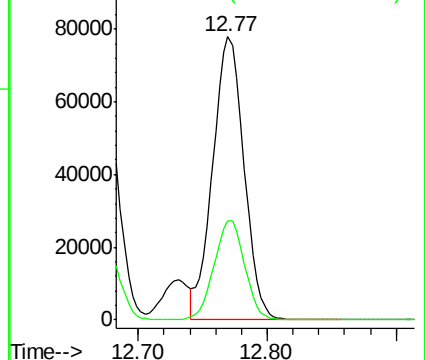
91 100

126 34.3 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

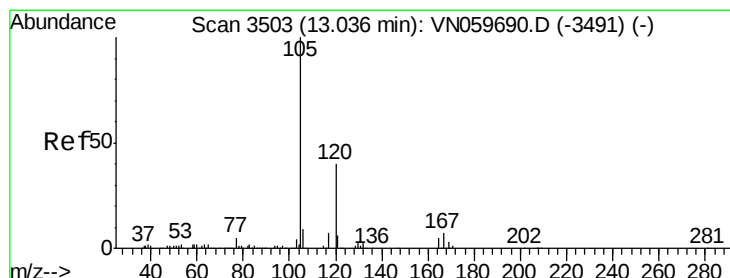
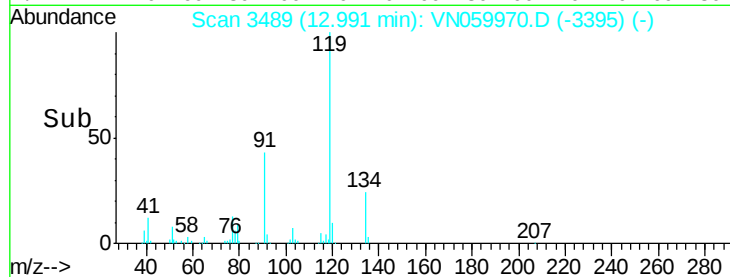
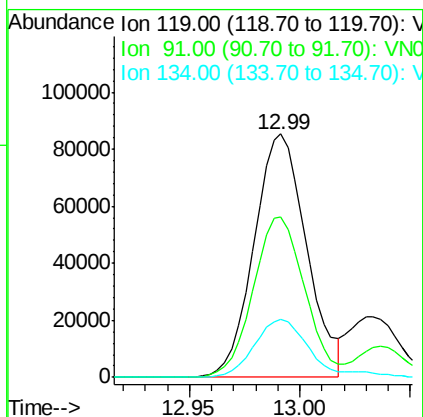
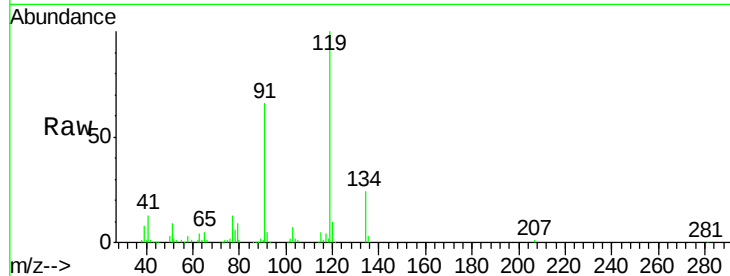




#83
 tert-Butylbenzene
 Concen: 20.53 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

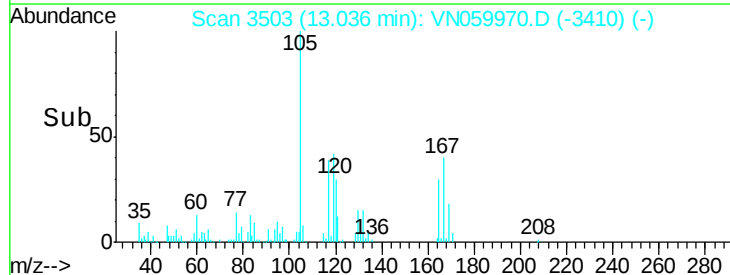
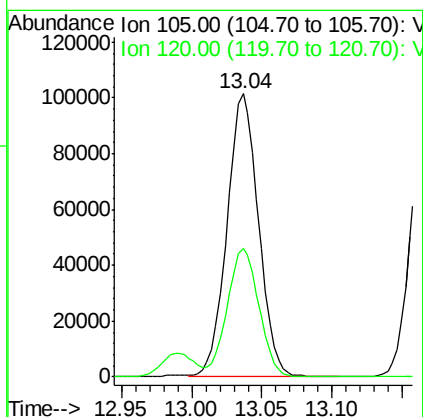
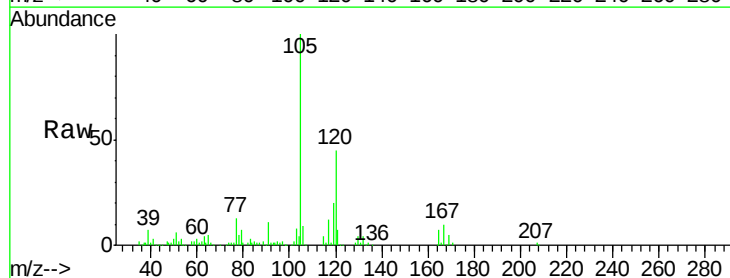
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

Tgt Ion:119 Resp: 140984
 Ion Ratio Lower Upper
 119 100
 91 65.2 34.8 104.4
 134 25.3 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.18 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion:105 Resp: 158573
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.3 66.9

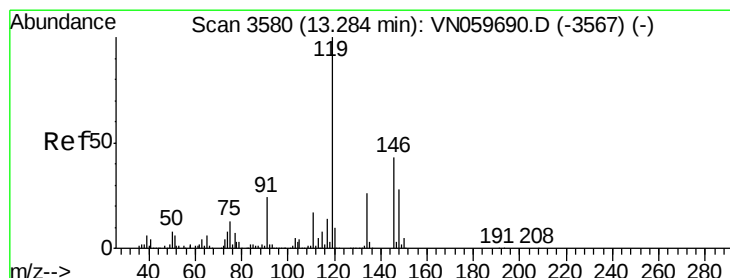
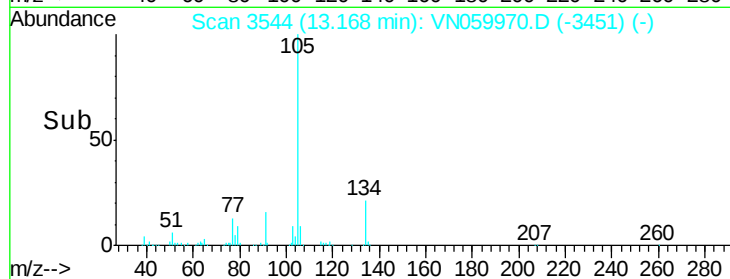
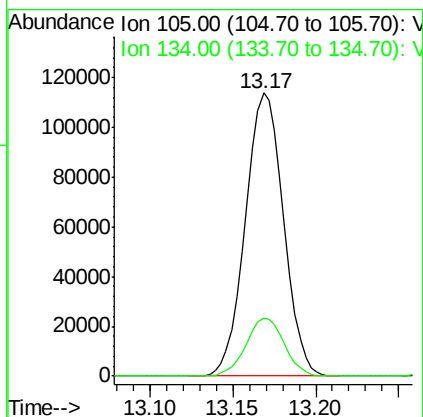
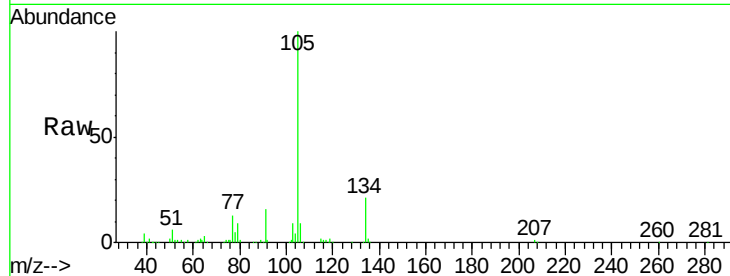




#85
 sec-Butylbenzene
 Concen: 20.26 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

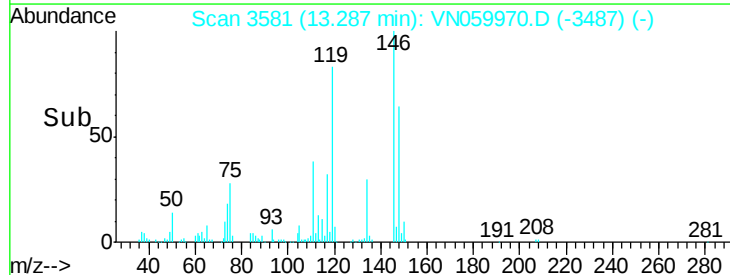
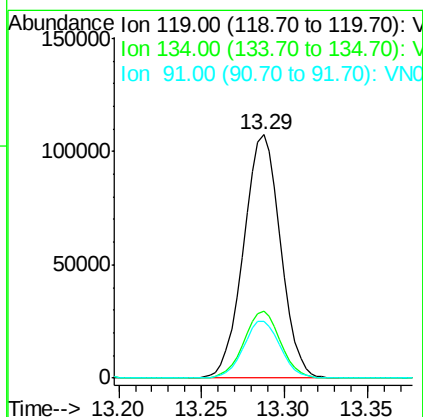
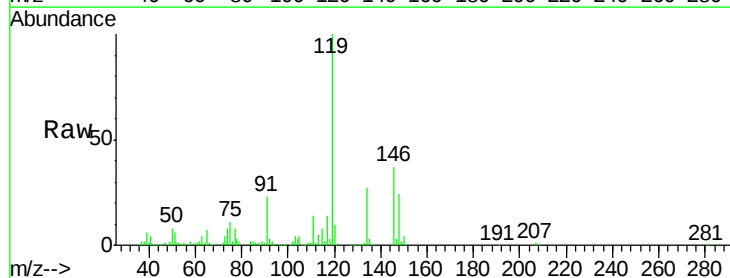
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

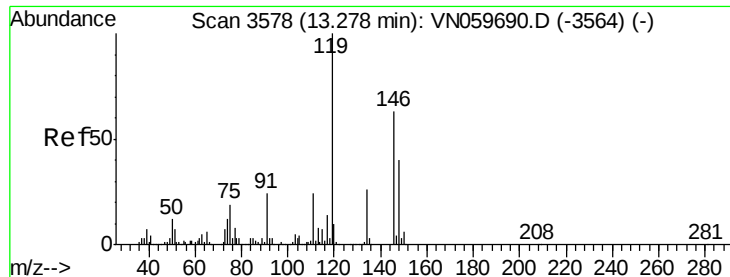
Tgt Ion:105 Resp: 182784
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 19.83 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion:119 Resp: 165607
 Ion Ratio Lower Upper
 119 100
 134 27.3 12.9 38.7
 91 23.6 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 20.29 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

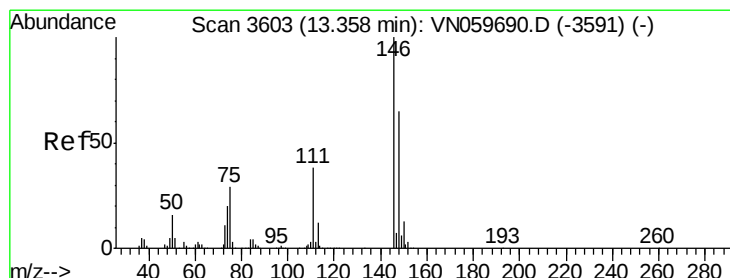
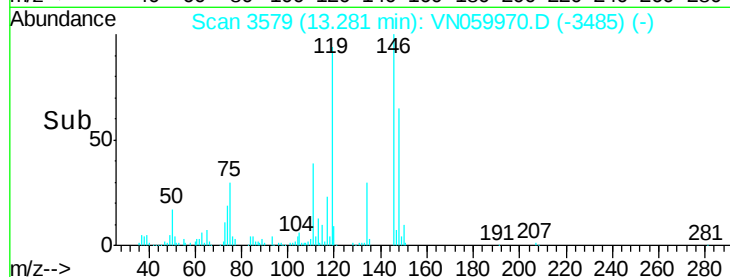
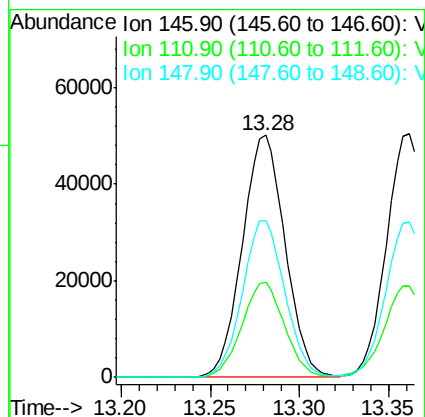
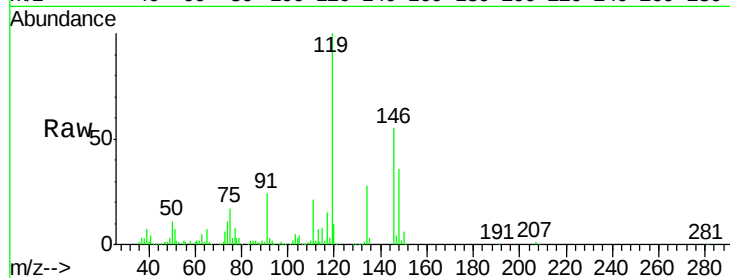
Tgt Ion:146 Resp: 84261

Ion Ratio Lower Upper

146 100

111 39.0 20.8 62.2

148 64.2 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 20.06 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

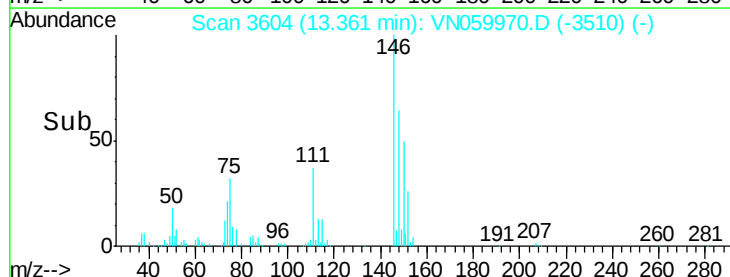
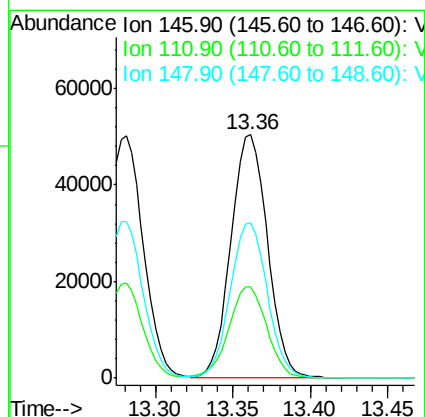
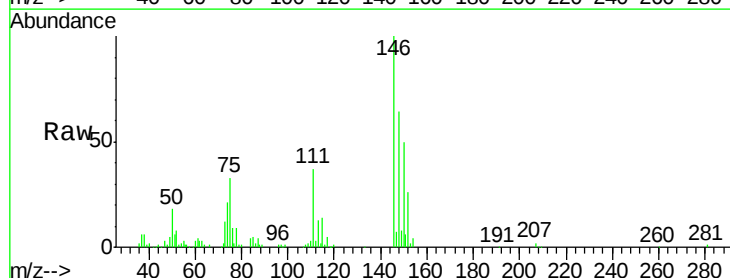
Tgt Ion:146 Resp: 83138

Ion Ratio Lower Upper

146 100

111 39.2 20.8 62.2

148 64.6 31.8 95.4





#89

n-Butylbenzene

Concen: 20.16 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

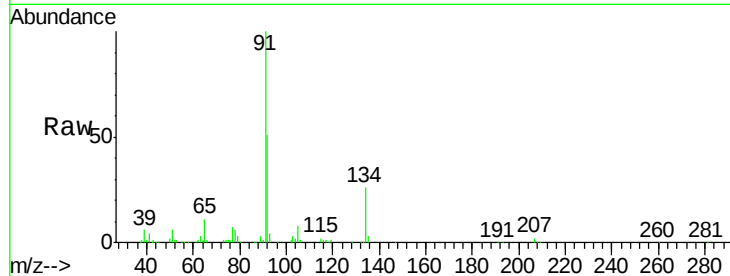
Tgt Ion: 91 Resp: 143494

Ion Ratio Lower Upper

91 100

92 51.5 25.9 77.7

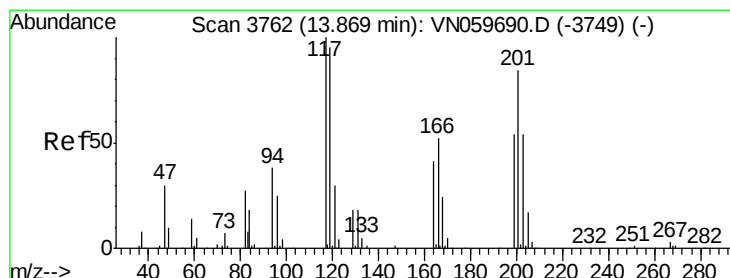
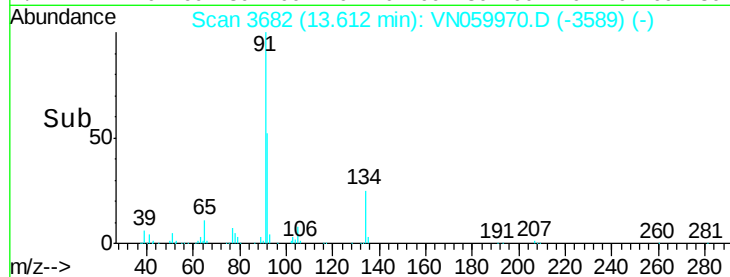
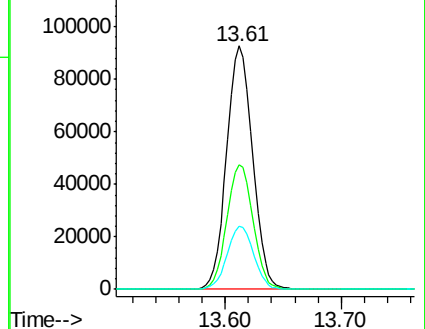
134 26.3 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059970.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059970.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059970.D (-3669) (-)



#90

Hexachloroethane

Concen: 19.71 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059970.D

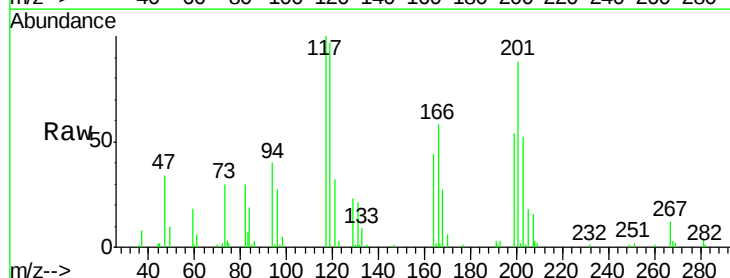
Acq: 3 Feb 2020 13:31

Tgt Ion: 117 Resp: 30785

Ion Ratio Lower Upper

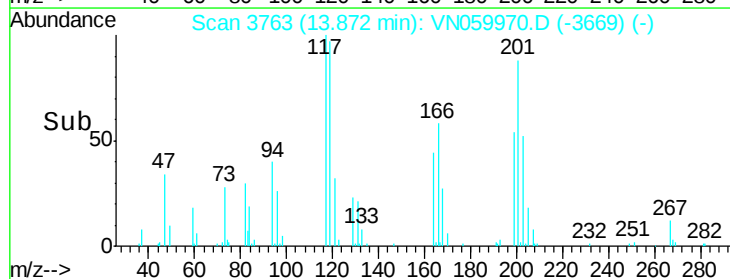
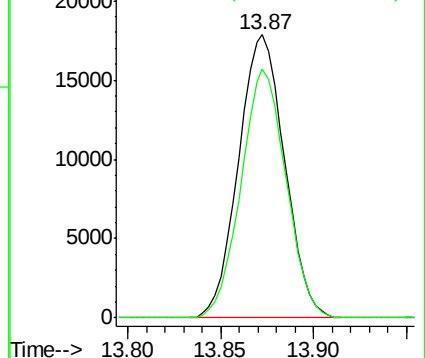
117 100

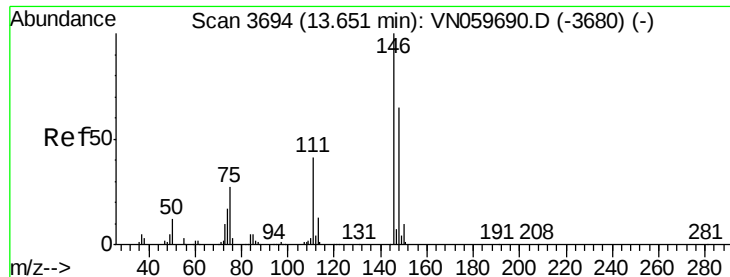
201 85.7 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059970.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN059970.D (-3669) (-)

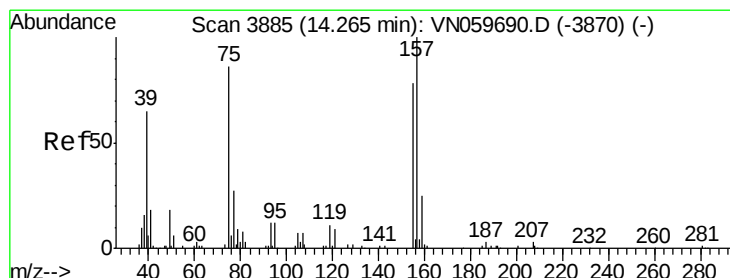
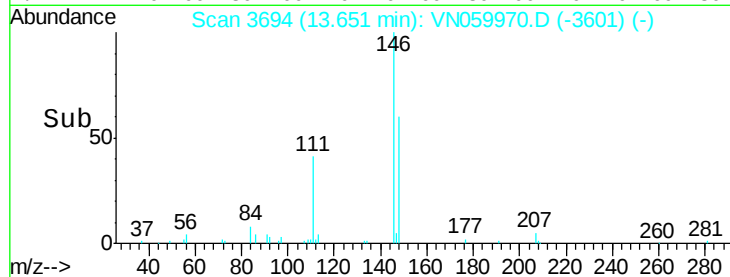
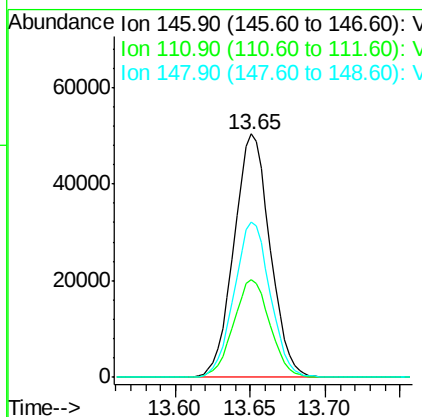
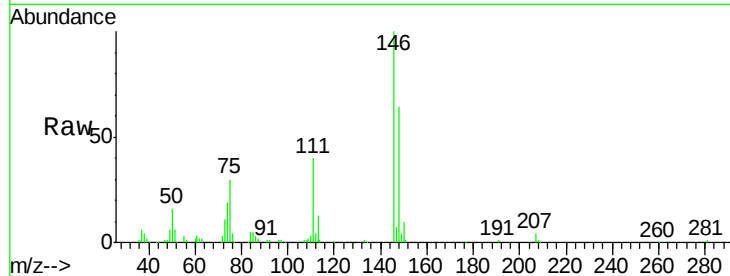




#91
 1,2-Dichlorobenzene
 Concen: 20.60 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

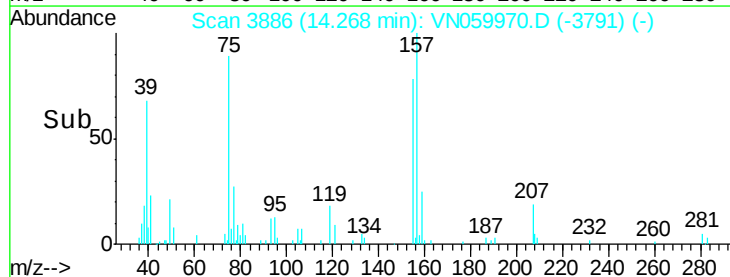
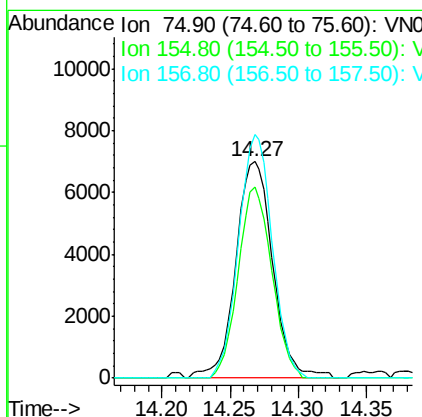
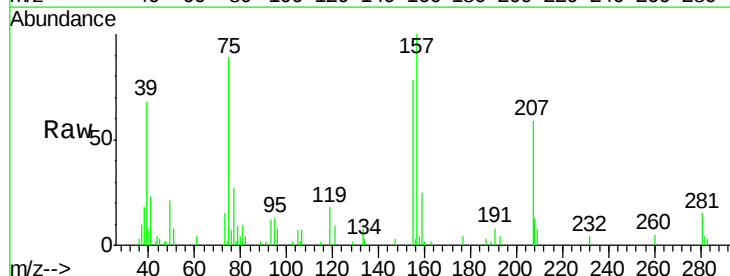
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

Tgt Ion: 146 Resp: 84592
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.6 64.8
 148 63.7 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.24 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion: 75 Resp: 13185
 Ion Ratio Lower Upper
 75 100
 155 80.2 37.0 110.9
 157 102.4 48.4 145.2

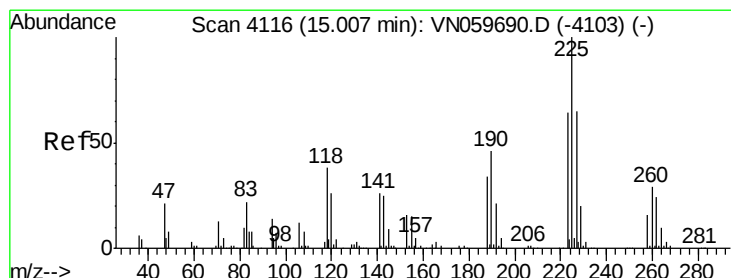
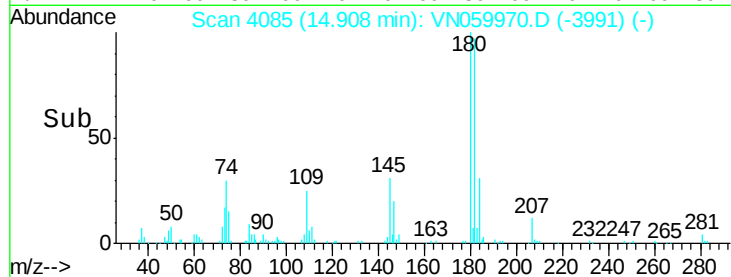
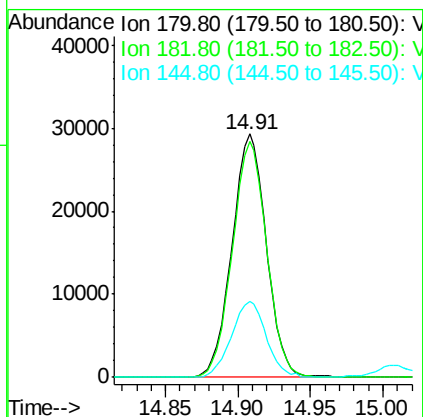
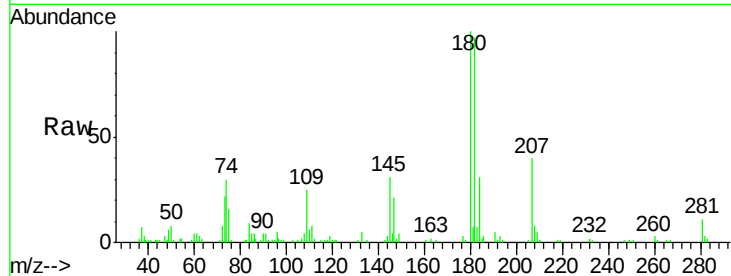




#93
 1,2,4-Trichlorobenzene
 Concen: 19.52 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

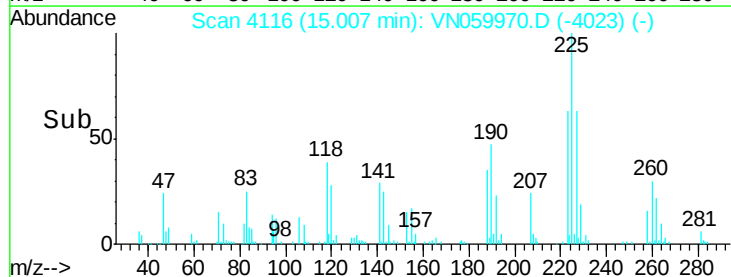
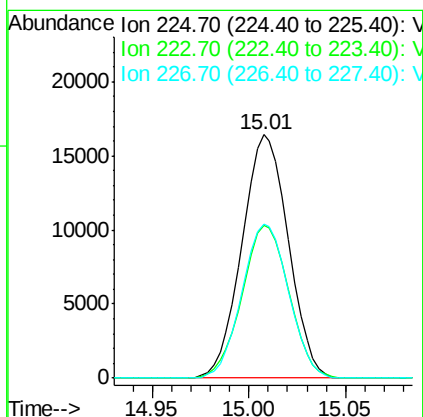
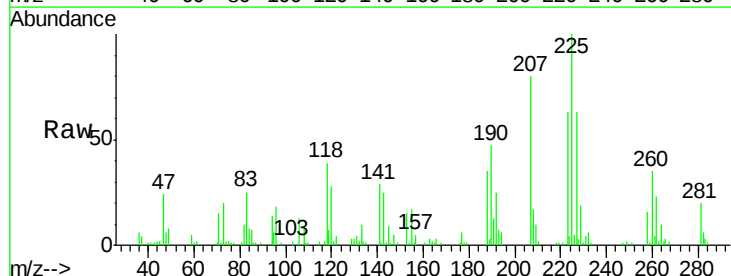
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBSD01

Tgt Ion:180 Resp: 48158
 Ion Ratio Lower Upper
 180 100
 182 96.3 46.9 140.7
 145 31.4 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 20.17 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059970.D
 Acq: 3 Feb 2020 13:31

Tgt Ion:225 Resp: 27423
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.8 95.3
 227 63.5 32.1 96.5





#95

Naphthalene

Concen: 19.03 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0203WBSD01

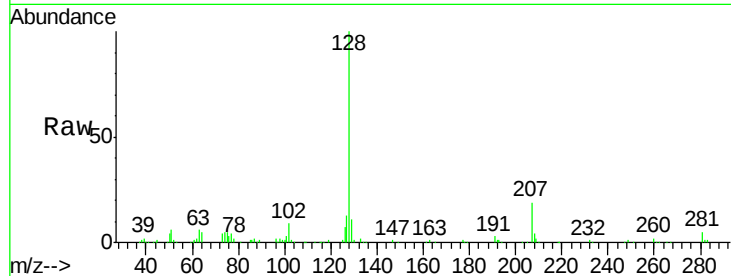
Tgt Ion:128 Resp: 133542

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

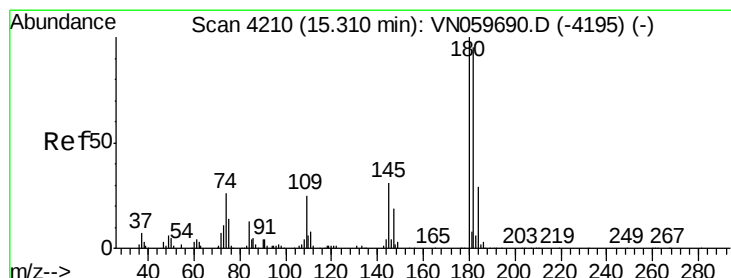
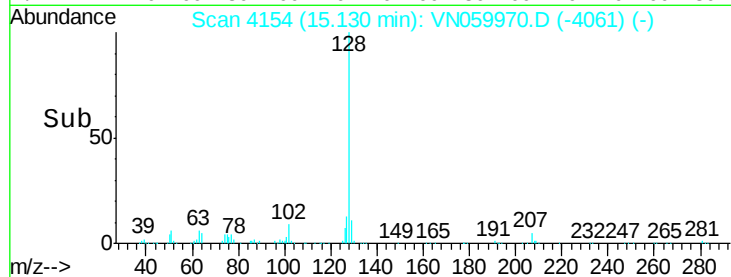
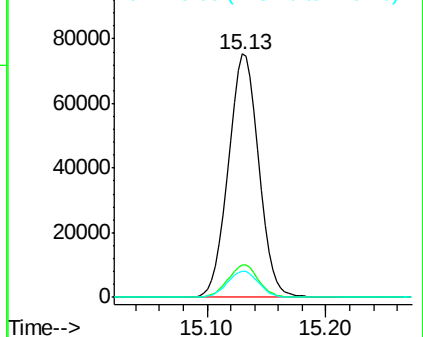
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.02 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059970.D

Acq: 3 Feb 2020 13:31

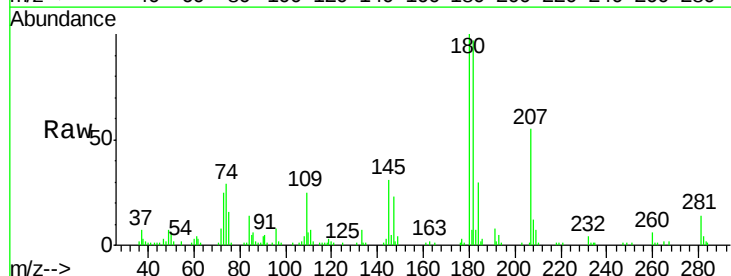
Tgt Ion:180 Resp: 48084

Ion Ratio Lower Upper

180 100

182 95.0 47.4 142.3

145 32.5 16.3 48.9



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

