

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121219\
 Data File : VN059572.D
 Acq On : 12 Dec 2019 14:27
 Operator : JC/SP
 Sample : VN1212MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

Quant Time: Dec 13 04:05:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	284851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	456343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	419470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	221927	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
35) Dibromofluoromethane	7.56	113	154875	56.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.74%	
50) Toluene-d8	10.08	98	589259	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
62) 4-Bromofluorobenzene	12.40	95	211035	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	60133	18.303	ug/l	99
3) Chloromethane	2.04	50	98651	19.836	ug/l	98
4) Vinyl Chloride	2.17	62	94206	19.217	ug/l	99
5) Bromomethane	2.54	94	59089	19.790	ug/l	100
6) Chloroethane	2.68	64	56932	19.449	ug/l	97
7) Trichlorofluoromethane	3.00	101	117785	20.100	ug/l	98
8) Diethyl Ether	3.38	74	36239	18.045	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	56052	18.379	ug/l	99
10) Methyl Iodide	3.92	142	71318	17.270	ug/l	100
11) Tert butyl alcohol	4.75	59	66871	101.531	ug/l	100
12) 1,1-Dichloroethene	3.71	96	53177	17.936	ug/l	94
13) Acrolein	3.58	56	38788	121.020	ug/l	97
14) Allyl chloride	4.29	41	106261	18.632	ug/l	98
15) Acrylonitrile	4.95	53	171384	98.661	ug/l	100
16) Acetone	3.79	43	183108	98.458	ug/l	100
17) Carbon Disulfide	4.02	76	166070	17.323	ug/l	98
18) Methyl Acetate	4.29	43	94275	19.308	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	202642	20.562	ug/l	100
20) Methylene Chloride	4.52	84	67292	19.914	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	60113	18.891	ug/l	96
22) Diisopropyl ether	5.92	45	218797	20.152	ug/l	97
23) Vinyl Acetate	5.86	43	911791	100.675	ug/l	99
24) 1,1-Dichloroethane	5.81	63	122176	19.820	ug/l	99
25) 2-Butanone	6.81	43	251700	100.547	ug/l	100
26) 2,2-Dichloropropane	6.79	77	108019	19.397	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	69325	19.369	ug/l	99
28) Bromochloromethane	7.17	49	49906	22.994	ug/l	98
29) Tetrahydrofuran	7.18	42	163269	93.765	ug/l	99
30) Chloroform	7.35	83	121043	19.896	ug/l	96
31) Cyclohexane	7.63	56	108975	18.166	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	105306	19.511	ug/l	100
36) 1,1-Dichloropropene	7.77	75	89479	19.112	ug/l	99
37) Ethyl Acetate	6.90	43	105305	20.232	ug/l	98
38) Carbon Tetrachloride	7.75	117	93435	20.247	ug/l	97

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

39) Methylcyclohexane	9.06	83	100416	19.120	ug/l	97
40) Benzene	8.02	78	262192	19.603	ug/l	100
41) Methacrylonitrile	7.18	41	149839	65.855	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	104091	20.888	ug/l	99
43) Isopropyl Acetate	8.14	43	161891	20.031	ug/l	98
44) Trichloroethene	8.82	130	67497	19.976	ug/l	99
45) 1,2-Dichloropropane	9.10	63	71712	20.240	ug/l	99
46) Dibromomethane	9.19	93	47674	20.360	ug/l	98
47) Bromodichloromethane	9.39	83	95136	20.443	ug/l	100
48) Methyl methacrylate	9.18	41	71202	20.149	ug/l	99
49) 1,4-Dioxane	9.19	88	23246	514.140	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	495371	95.968	ug/l	100
52) Toluene	10.14	92	160352	20.122	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	108479	20.007	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	113831	20.512	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	64947	20.151	ug/l	99
56) Ethyl methacrylate	10.42	69	93778	18.299	ug/l	99
57) 1,3-Dichloropropane	10.70	76	113717	20.659	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	165721	125.512	ug/l	99
59) 2-Hexanone	10.74	43	373689	96.645	ug/l	99
60) Dibromochloromethane	10.90	129	70116	18.894	ug/l	100
61) 1,2-Dibromoethane	11.00	107	66677	19.872	ug/l	100
64) Tetrachloroethene	10.62	164	65923	21.503	ug/l	98
65) Chlorobenzene	11.43	112	167406	19.047	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	64441	19.658	ug/l	99
67) Ethyl Benzene	11.51	91	303883	19.213	ug/l	99
68) m/p-Xylenes	11.62	106	222899	37.568	ug/l	97
69) o-Xylene	11.94	106	106337	19.256	ug/l	95
70) Styrene	11.96	104	173353	18.948	ug/l	99
71) Bromoform	12.12	173	49022	19.006	ug/l #	98
73) Isopropylbenzene	12.25	105	288146	19.463	ug/l	98
74) N-amyl acetate	12.07	43	128648	19.949	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	93922	18.722	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	134390	26.627	ug/l #	100
77) Bromobenzene	12.52	156	68980	18.716	ug/l	93
78) n-propylbenzene	12.59	91	342675	18.836	ug/l	99
79) 2-Chlorotoluene	12.67	91	201230	18.550	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	244399	19.251	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	34379	18.326	ug/l #	87
82) 4-Chlorotoluene	12.77	91	211515	19.069	ug/l	99
83) tert-Butylbenzene	12.99	119	200726	18.960	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	242648	19.357	ug/l	99
85) sec-Butylbenzene	13.17	105	276444	19.011	ug/l	99
86) p-Isopropyltoluene	13.29	119	252603	19.436	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	124338	18.315	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	126041	18.962	ug/l	99
89) n-Butylbenzene	13.61	91	231873	19.001	ug/l	98
90) Hexachloroethane	13.87	117	47264	19.802	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	122751	19.268	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22322	20.678	ug/l	90

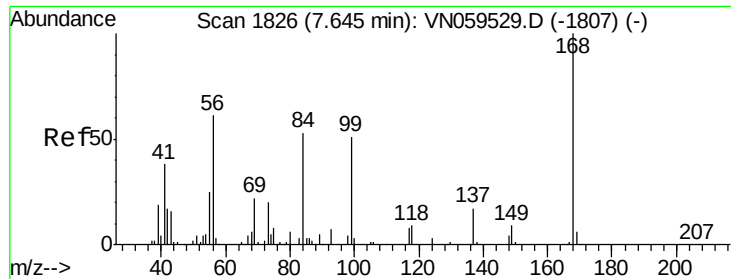
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Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	77753	17.646	ug/l	99
94) Hexachlorobutadiene	15.01	225	41132	18.272	ug/l	99
95) Naphthalene	15.13	128	228740	17.759	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	77799	19.663	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

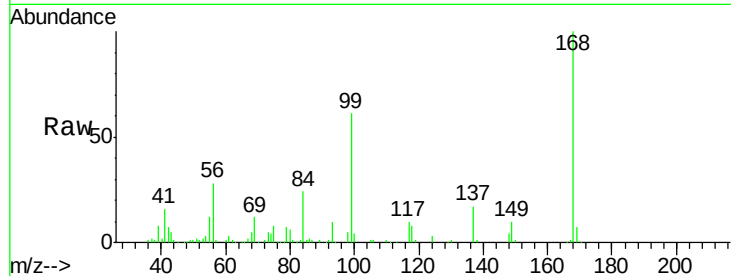
VN1212MBS01

Tgt Ion:168 Resp: 284851

Ion Ratio Lower Upper

168 100

99 61.0 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

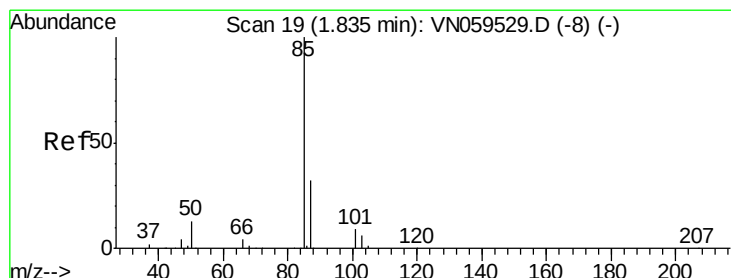
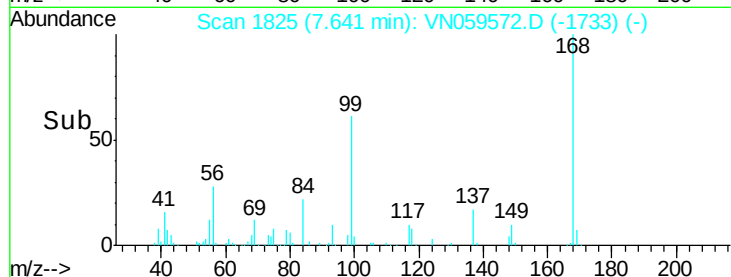
7.64

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.303 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059572.D

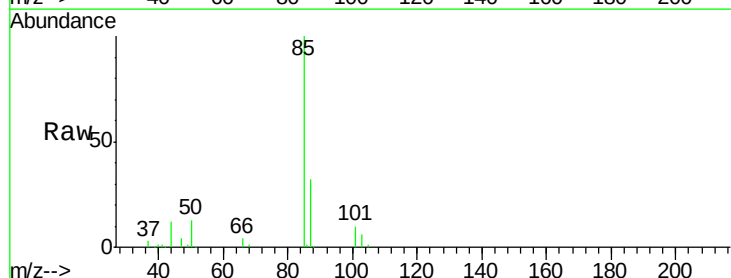
Acq: 12 Dec 2019 14:27

Tgt Ion: 85 Resp: 60133

Ion Ratio Lower Upper

85 100

87 32.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

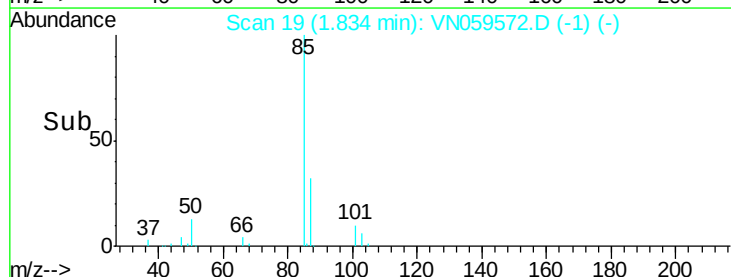
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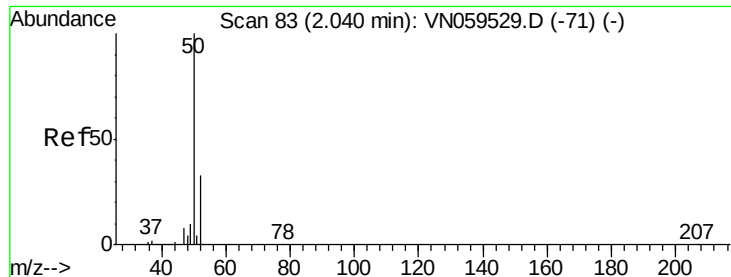
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 19.836 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

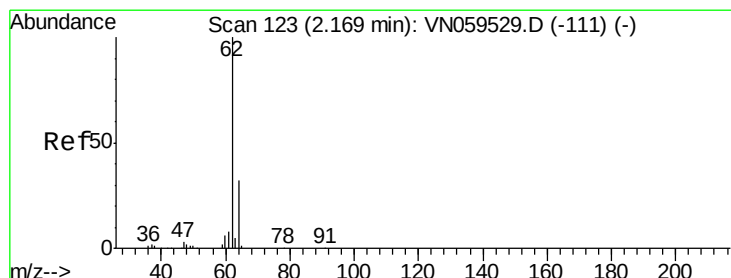
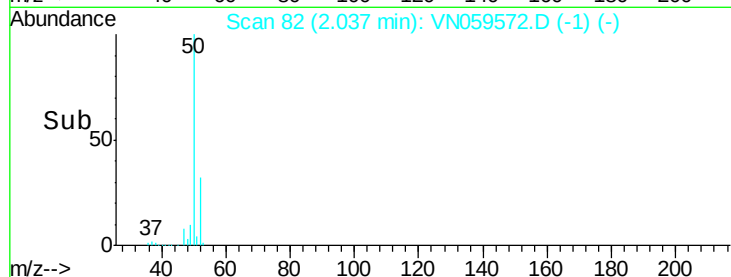
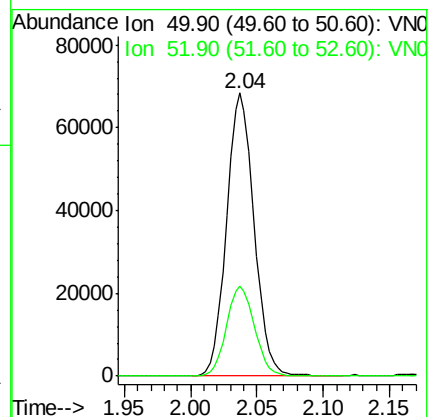
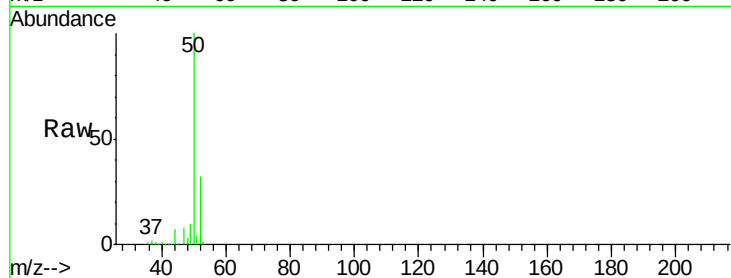
VN1212MBS01

Tgt Ion: 50 Resp: 98651

Ion Ratio Lower Upper

50 100

52 31.7 26.2 39.4



#4

Vinyl Chloride

Concen: 19.217 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059572.D

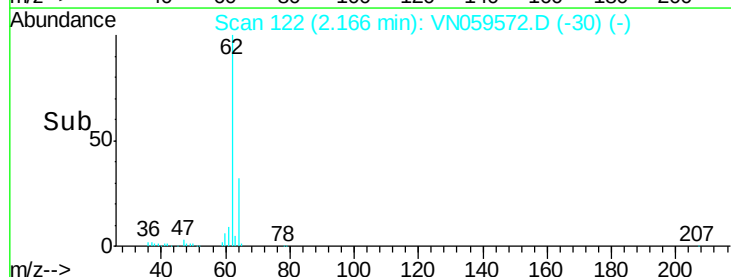
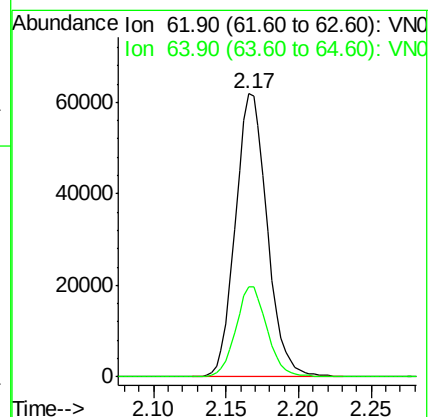
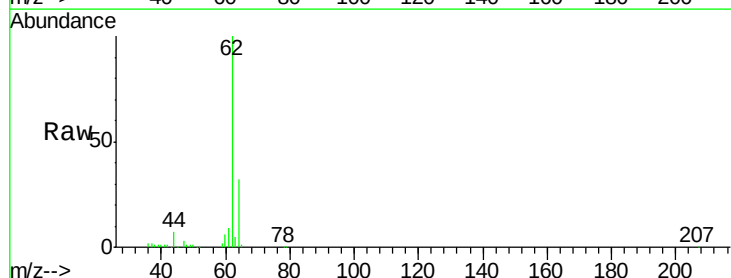
Acq: 12 Dec 2019 14:27

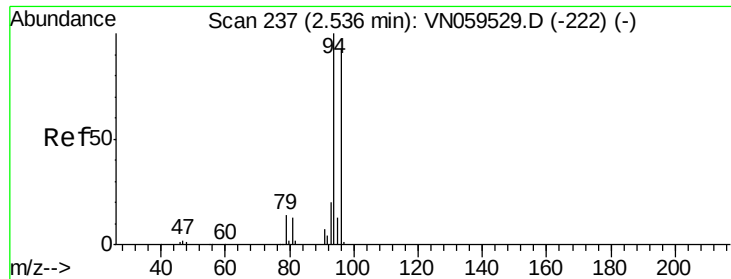
Tgt Ion: 62 Resp: 94206

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 19.790 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

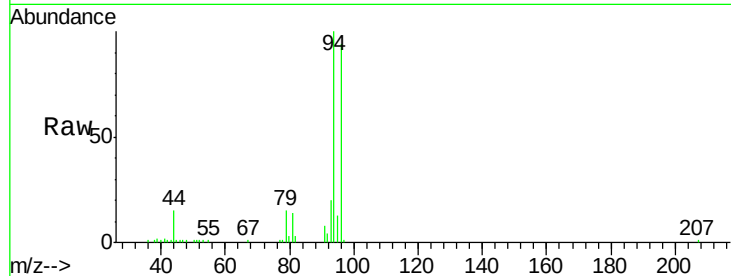
VN1212MBS01

Tgt Ion: 94 Resp: 59089

Ion Ratio Lower Upper

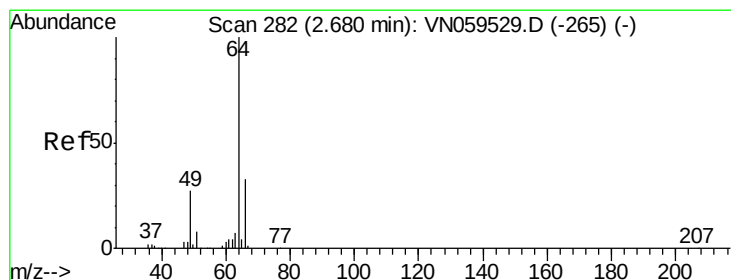
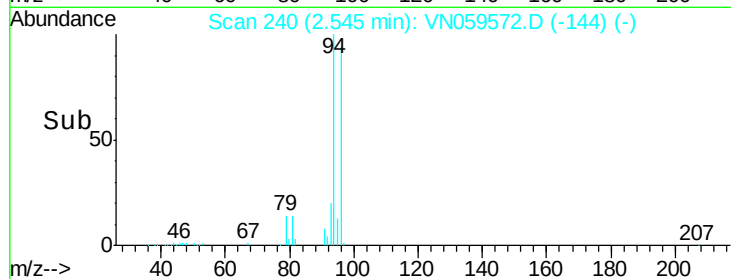
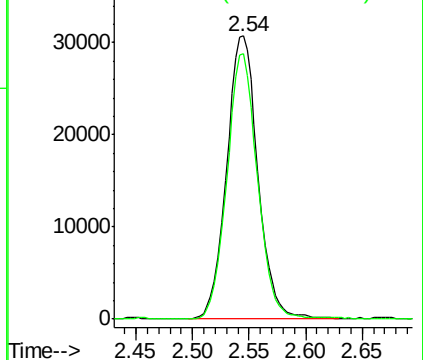
94 100

96 93.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.449 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059572.D

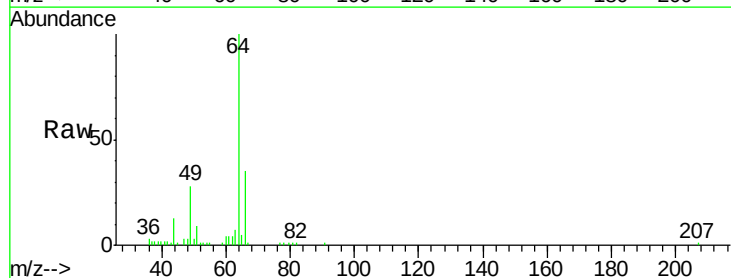
Acq: 12 Dec 2019 14:27

Tgt Ion: 64 Resp: 56932

Ion Ratio Lower Upper

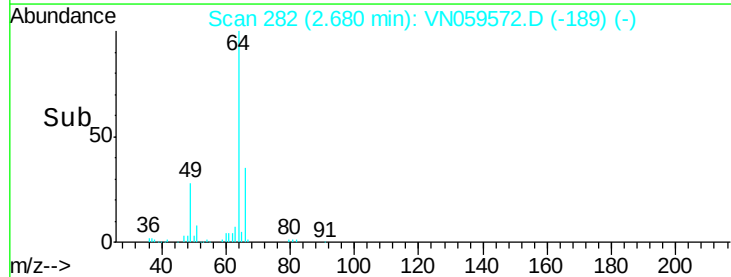
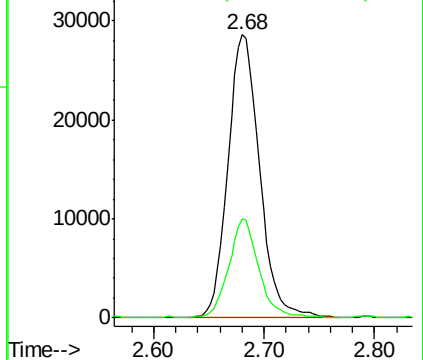
64 100

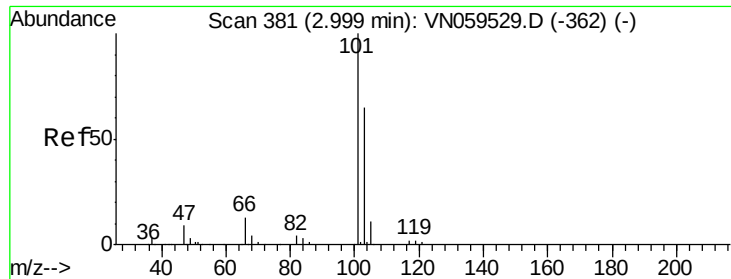
66 34.9 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



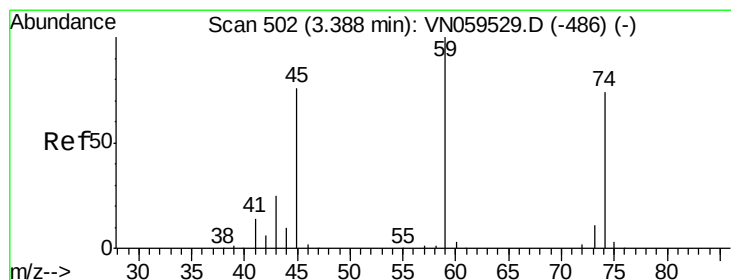
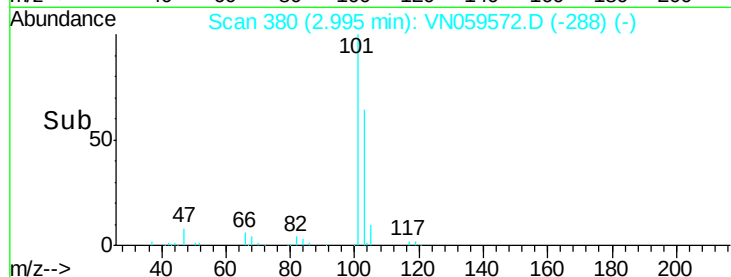
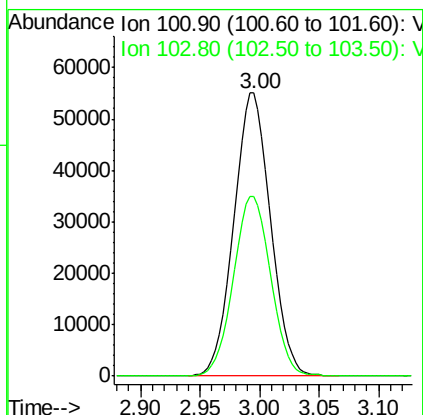
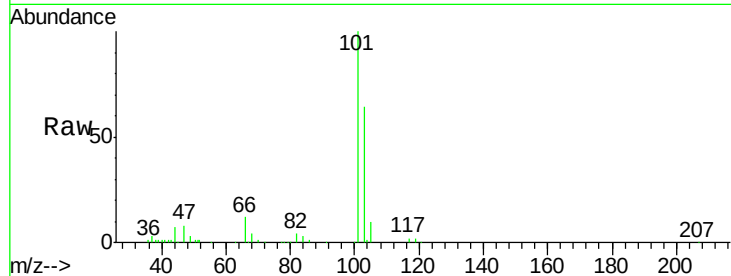


#7

Trichlorofluoromethane
Concen: 20.100 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

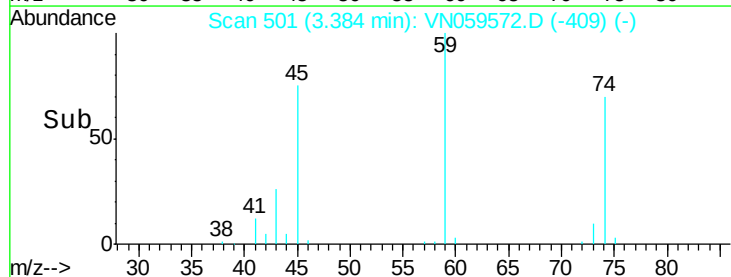
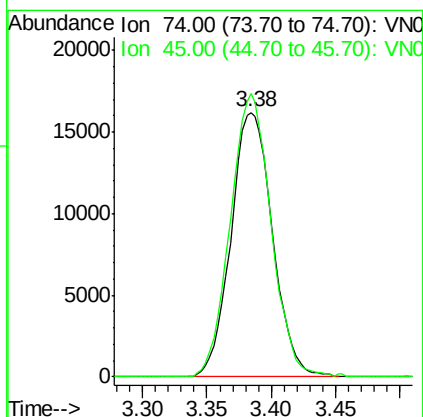
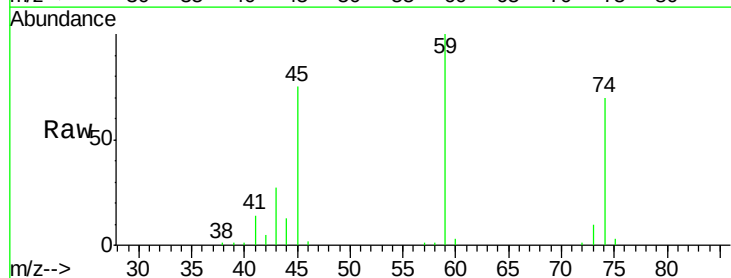
Tgt Ion:101 Resp: 117785
Ion Ratio Lower Upper
101 100
103 63.5 52.2 78.4

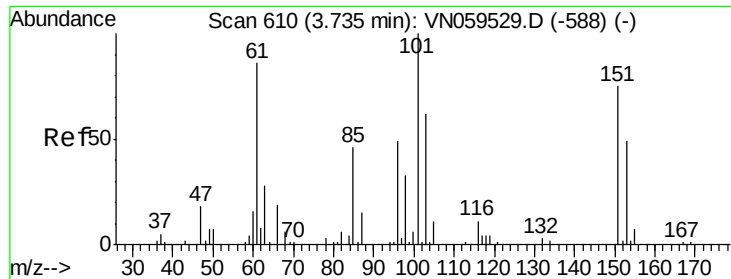


#8

Diethyl Ether
Concen: 18.045 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 74 Resp: 36239
Ion Ratio Lower Upper
74 100
45 105.2 52.6 157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.379 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

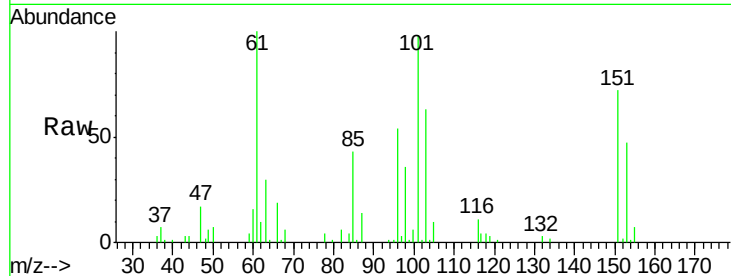
Tgt Ion:101 Resp: 56052

Ion Ratio Lower Upper

101 100

85 44.7 36.6 54.8

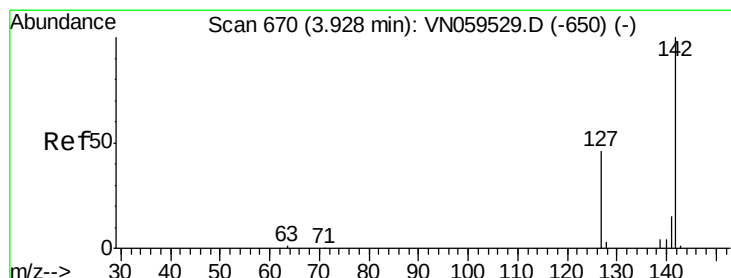
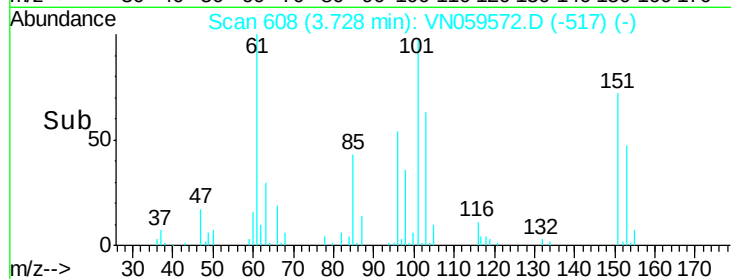
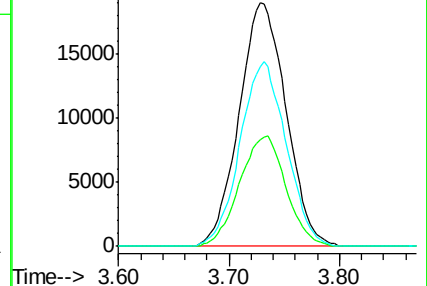
151 74.7 59.3 88.9



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: 17.270 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.01 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

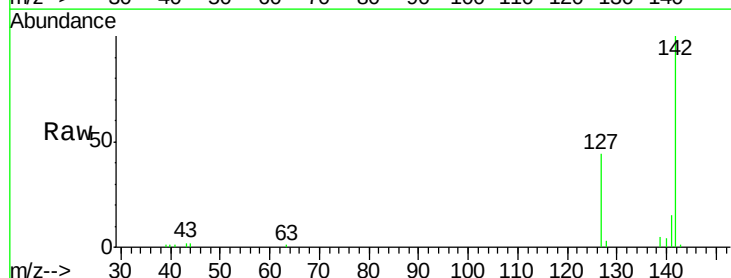
Tgt Ion:142 Resp: 71318

Ion Ratio Lower Upper

142 100

127 45.8 36.6 54.8

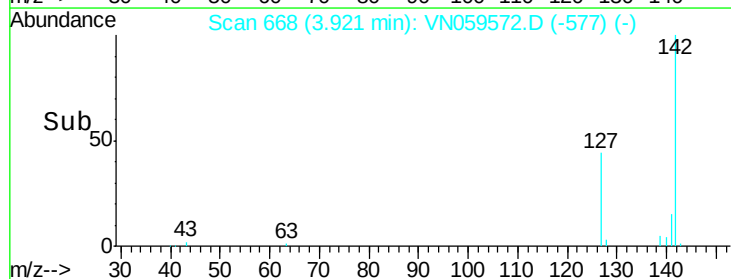
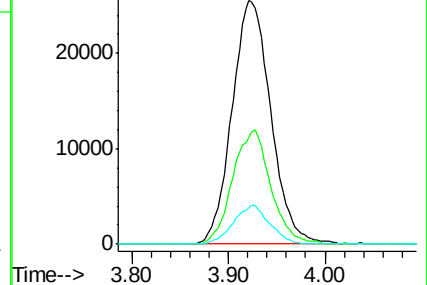
141 14.7 11.6 17.4

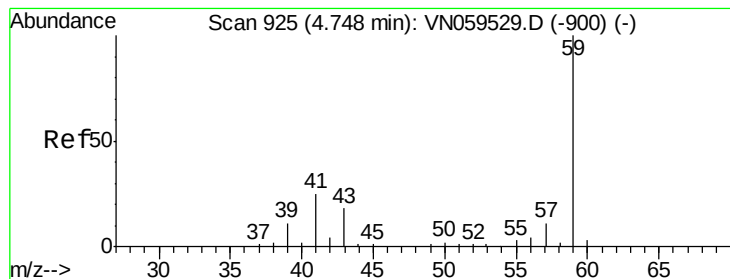


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



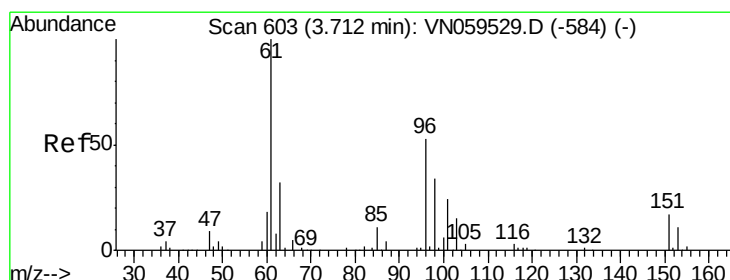
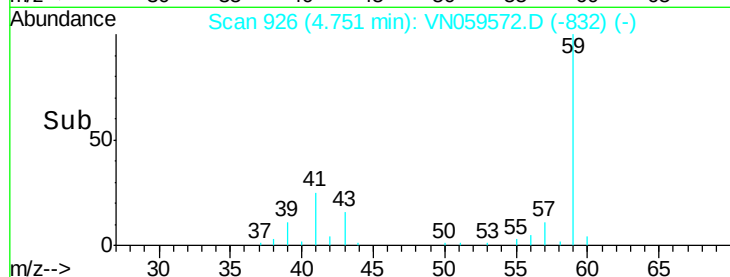
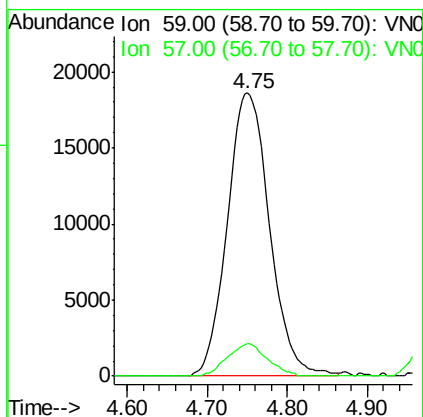
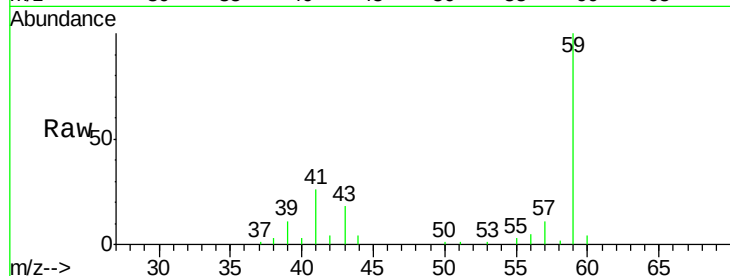


#11

Tert butyl alcohol
 Concen: 101.531 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

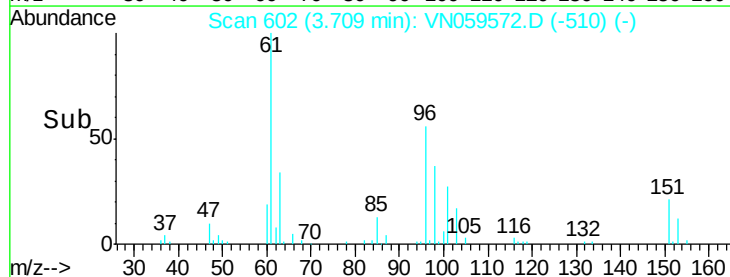
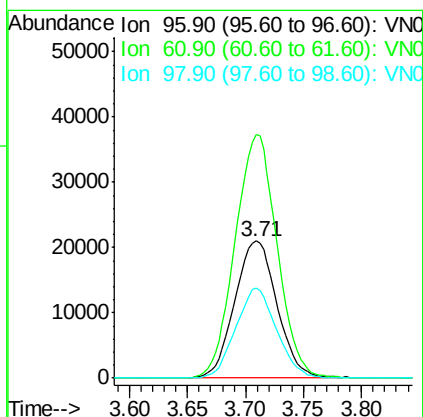
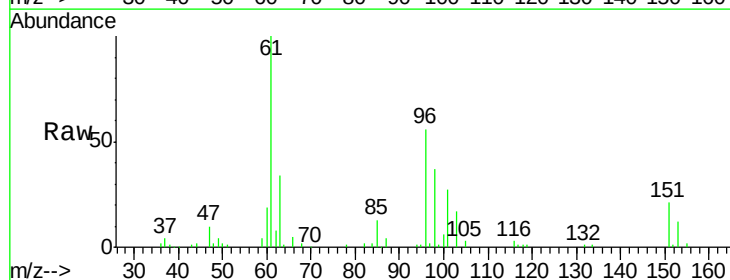
Tgt Ion: 59 Resp: 66871
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 13.0

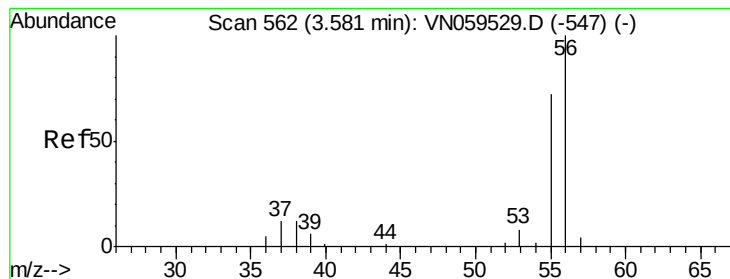


#12

1,1-Dichloroethene
 Concen: 17.936 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion: 96 Resp: 53177
 Ion Ratio Lower Upper
 96 100
 61 177.7 149.8 224.6
 98 66.1 50.6 75.8





#13

Acrolein

Concen: 121.020 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

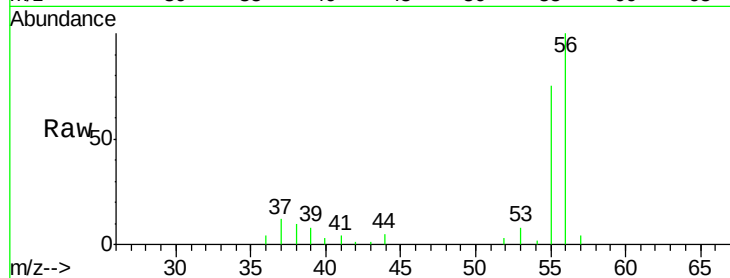
VN1212MBS01

Tgt Ion: 56 Resp: 38788

Ion Ratio Lower Upper

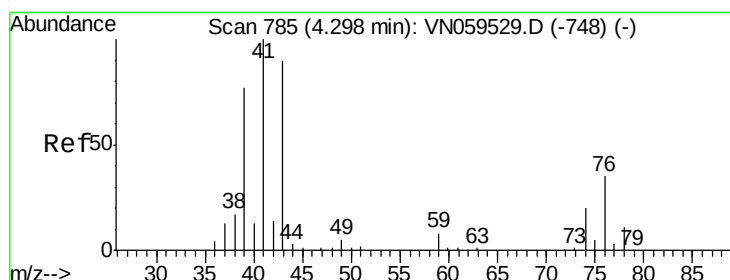
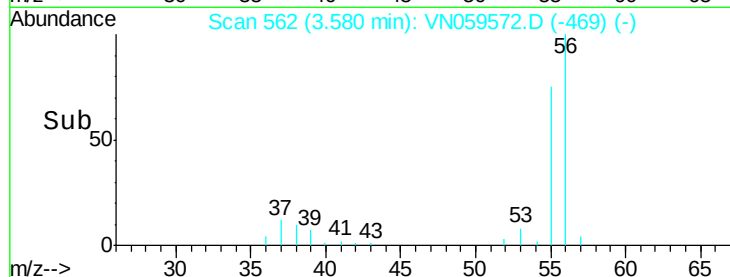
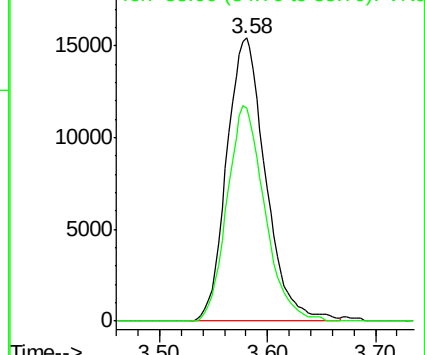
56 100

55 73.4 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.632 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

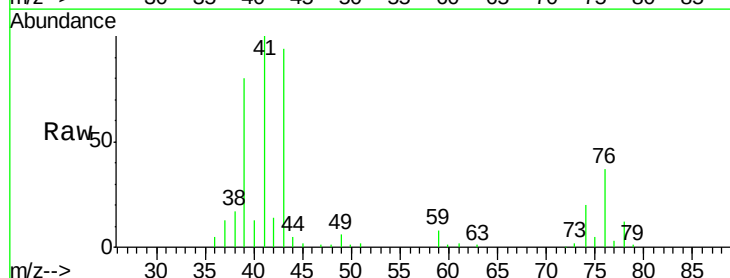
Tgt Ion: 41 Resp: 106261

Ion Ratio Lower Upper

41 100

39 72.8 56.7 85.1

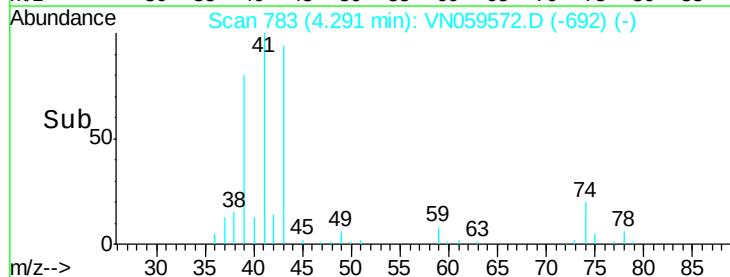
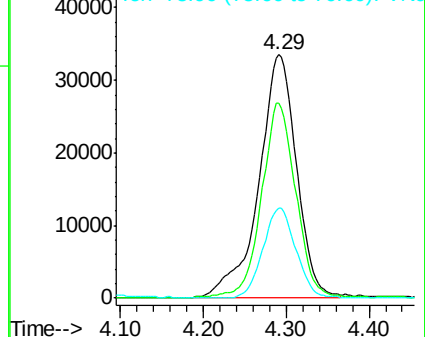
76 32.4 25.5 38.3

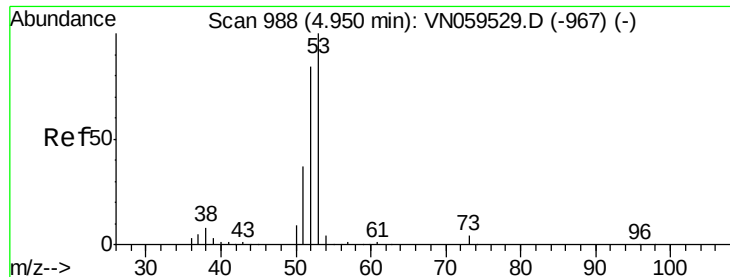


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.661 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

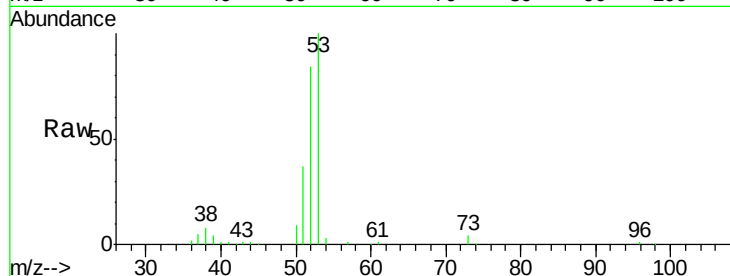
Tgt Ion: 53 Resp: 171384

Ion Ratio Lower Upper

53 100

52 82.9 66.6 99.8

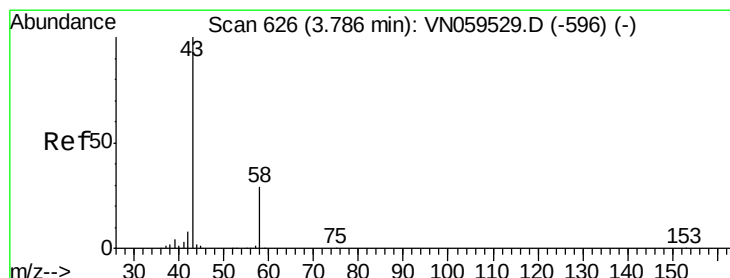
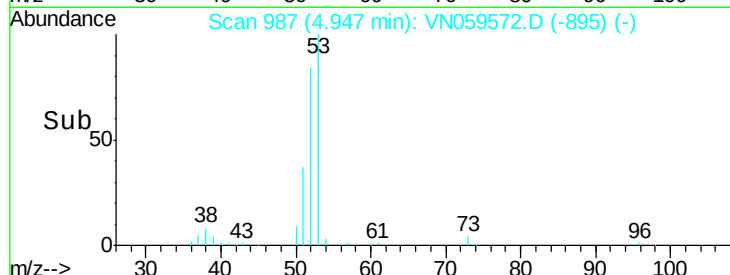
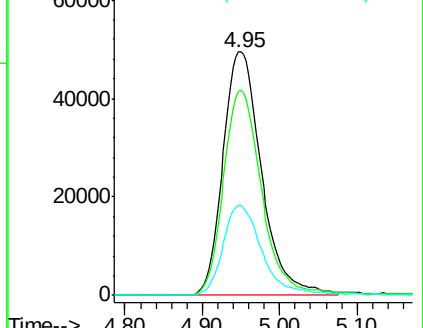
51 36.9 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 98.458 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059572.D

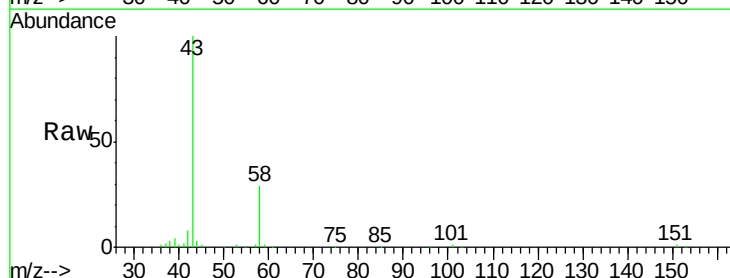
Acq: 12 Dec 2019 14:27

Tgt Ion: 43 Resp: 183108

Ion Ratio Lower Upper

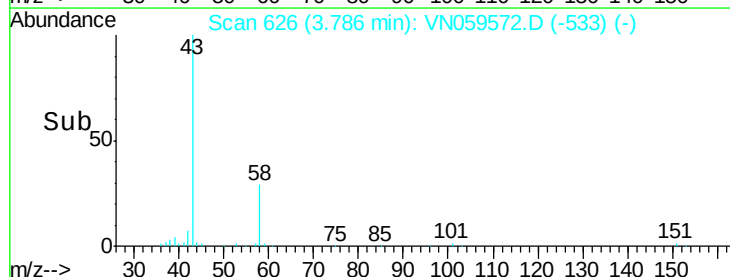
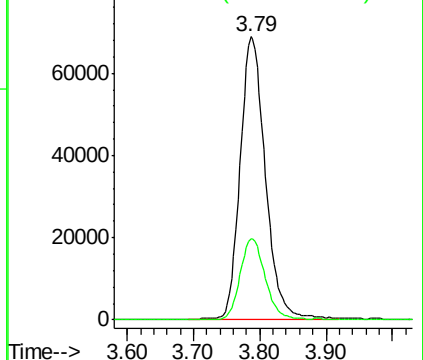
43 100

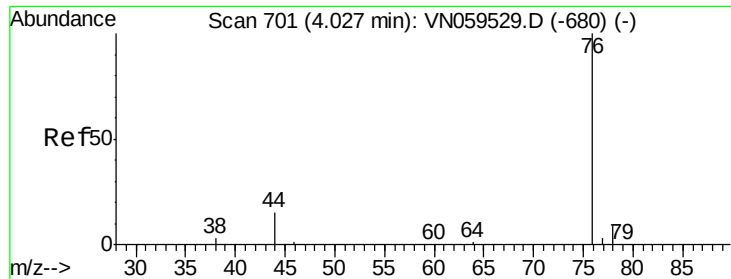
58 28.8 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

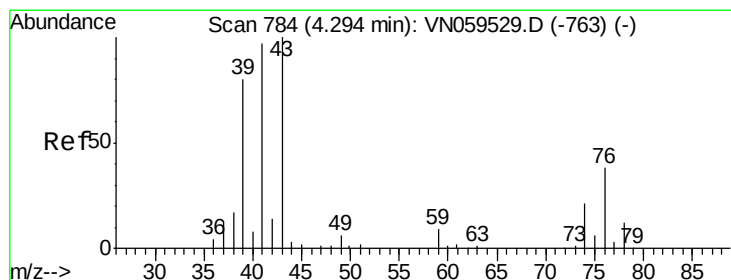
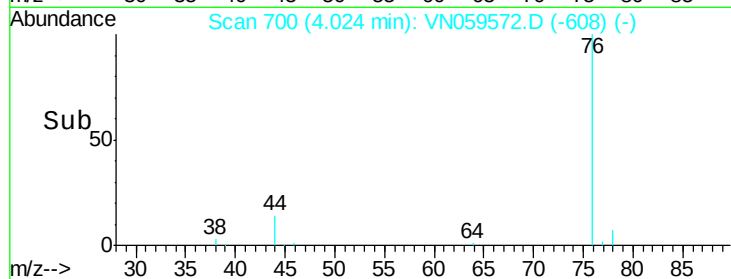
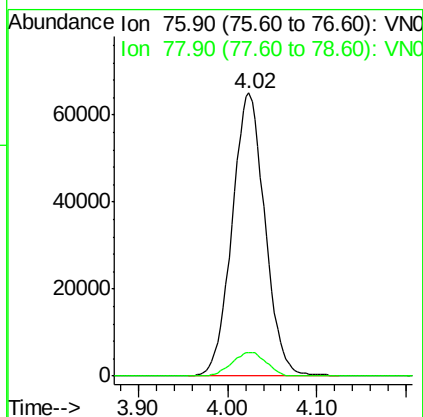
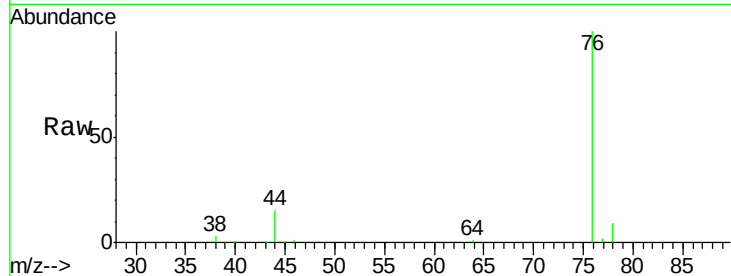




#17
Carbon Disulfide
Concen: 17.323 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

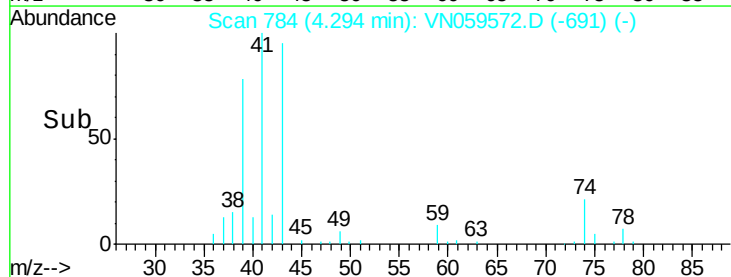
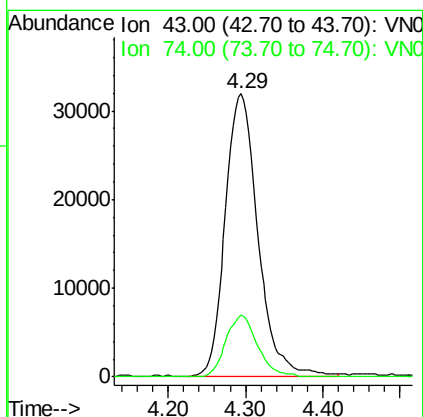
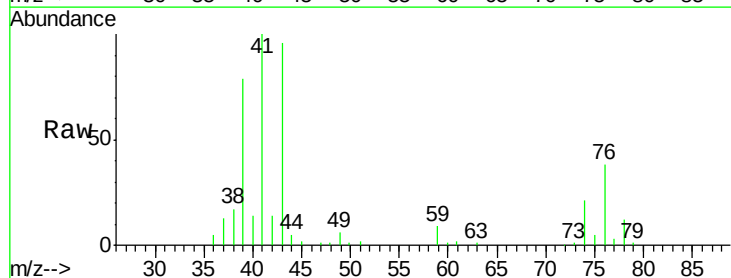
Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

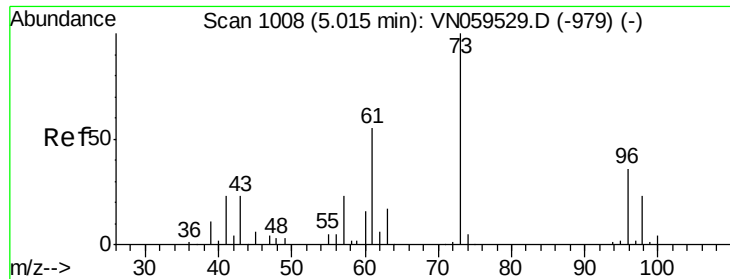
Tgt Ion: 76 Resp: 166070
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2



#18
Methyl Acetate
Concen: 19.308 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 43 Resp: 94275
Ion Ratio Lower Upper
43 100
74 20.9 17.5 26.3

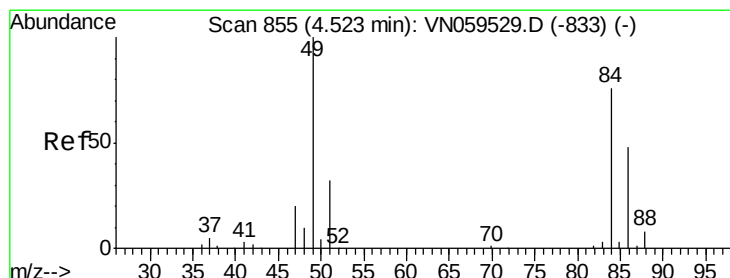
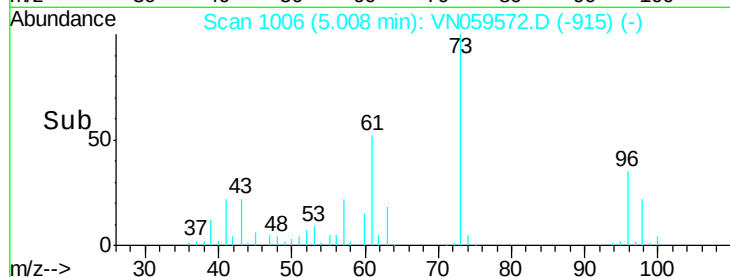
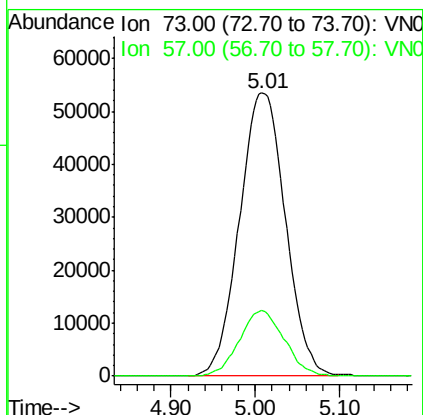
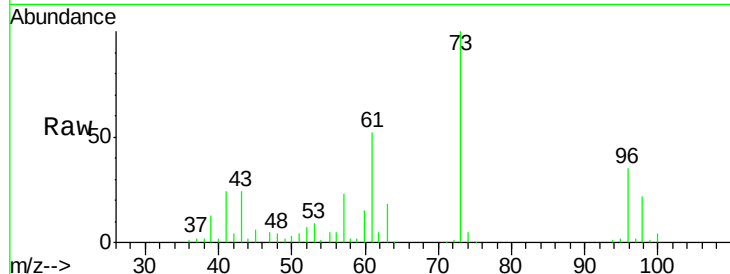




#19
Methyl tert-butyl Ether
Concen: 20.562 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

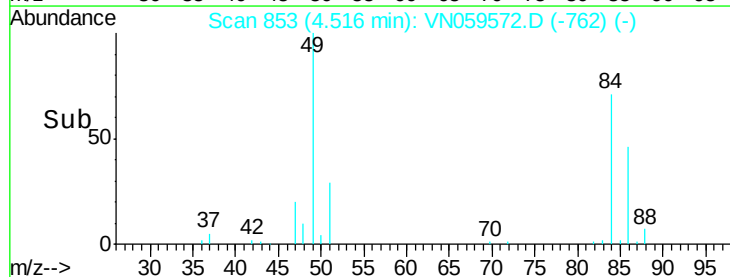
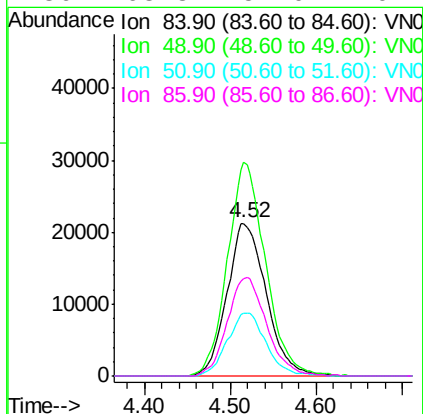
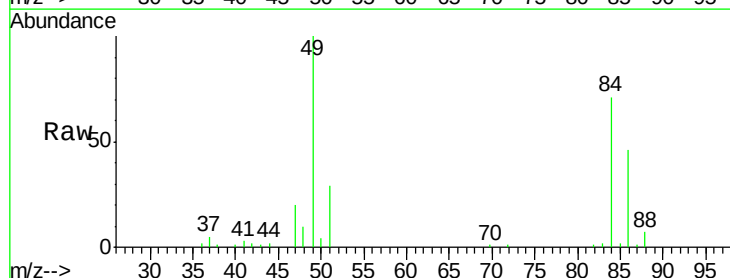
Instrument :
MSVOA_N
ClientSampled :
VN1212MBS01

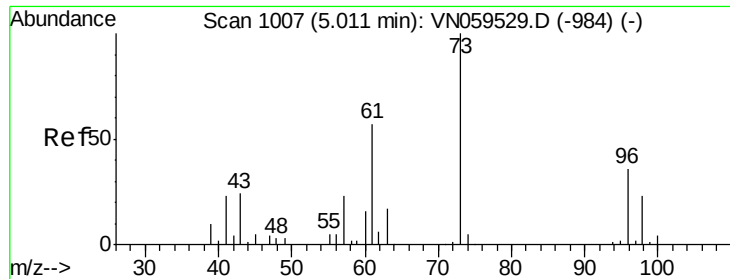
Tgt Ion: 73 Resp: 202642
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5



#20
Methylene Chloride
Concen: 19.914 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 84 Resp: 67292
Ion Ratio Lower Upper
84 100
49 140.0 105.8 158.8
51 41.0 33.7 50.5
86 63.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 18.891 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

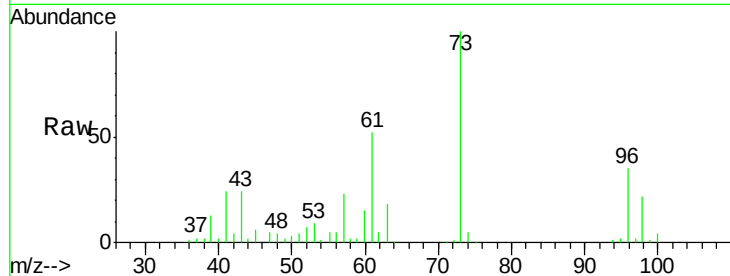
Tgt Ion: 96 Resp: 60113

Ion Ratio Lower Upper

96 100

61 150.0 124.8 187.2

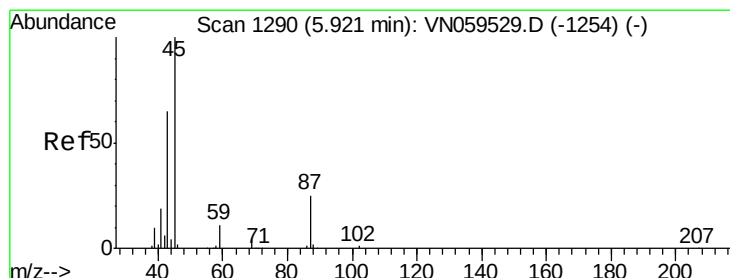
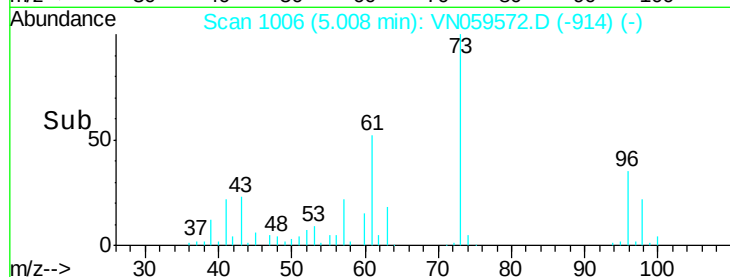
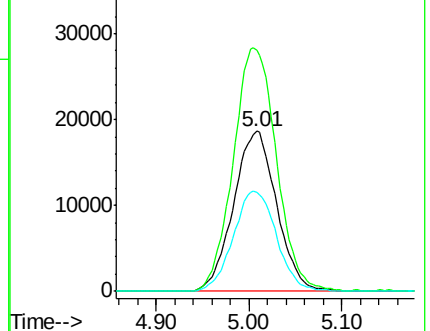
98 61.7 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN059572.D (-1197) (-)

Ion 60.90 (60.60 to 61.60): VN059572.D (-1197) (-)

Ion 97.90 (97.60 to 98.60): VN059572.D (-1197) (-)



#22

Diisopropyl ether

Concen: 20.152 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Tgt Ion: 45 Resp: 218797

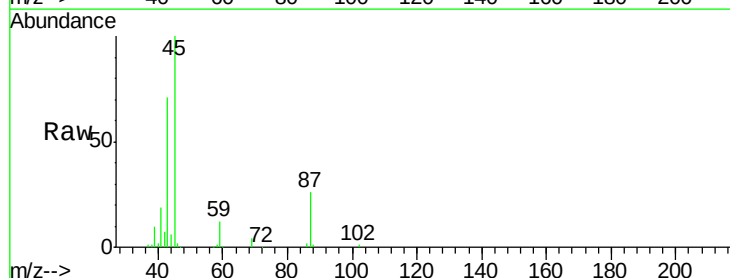
Ion Ratio Lower Upper

45 100

43 69.3 52.8 79.2

87 26.0 20.2 30.4

59 11.4 9.1 13.7

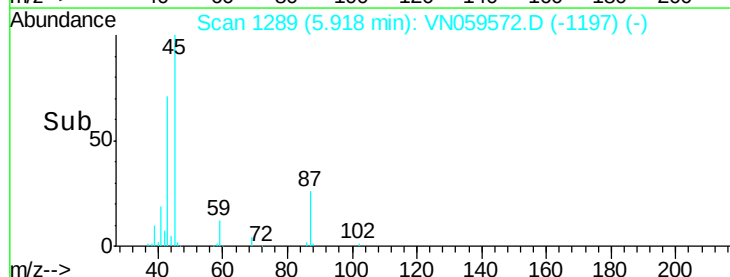
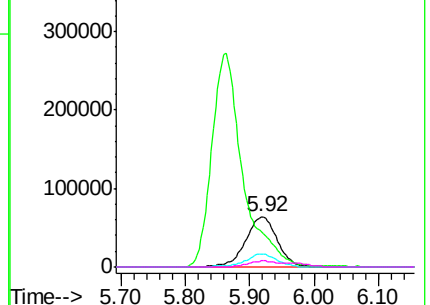


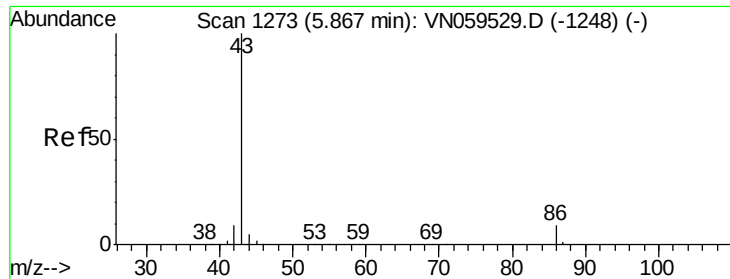
Abundance Ion 45.00 (44.70 to 45.70): VN059572.D (-1197) (-)

Ion 43.00 (42.70 to 43.70): VN059572.D (-1197) (-)

Ion 87.00 (86.70 to 87.70): VN059572.D (-1197) (-)

Ion 59.00 (58.70 to 59.70): VN059572.D (-1197) (-)





#23

Vinyl Acetate

Concen: 100.675 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

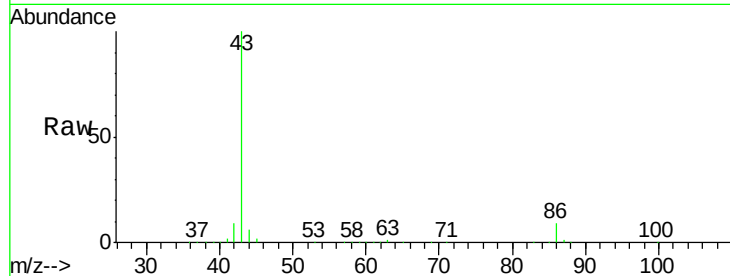
VN1212MBS01

Tgt Ion: 43 Resp: 911791

Ion Ratio Lower Upper

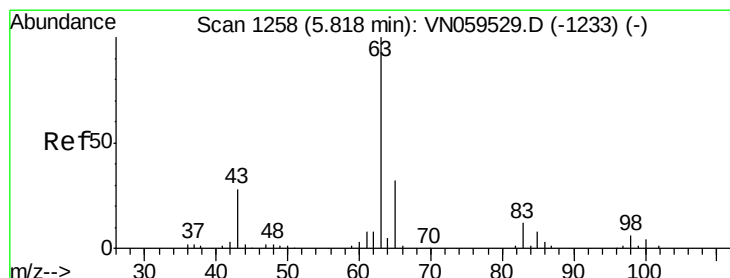
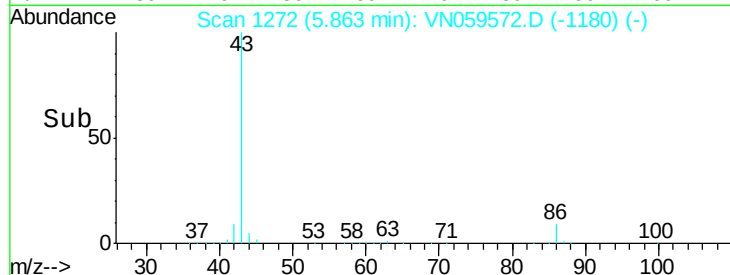
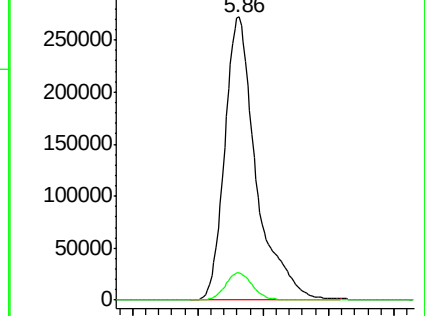
43 100

86 9.5 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.820 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

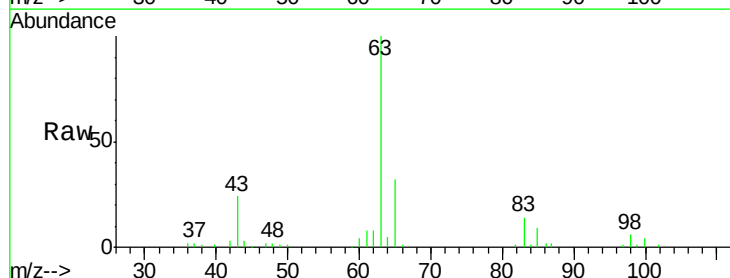
Tgt Ion: 63 Resp: 122176

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

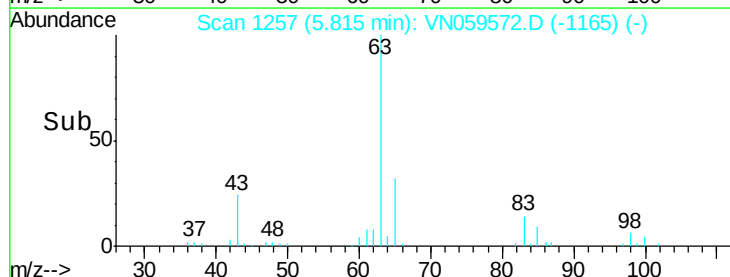
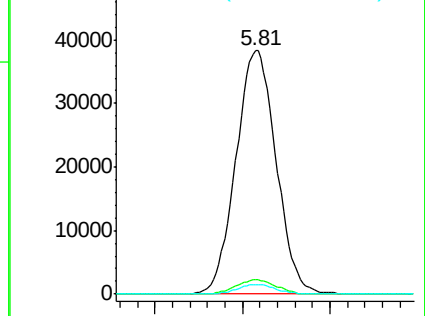
100 4.0 1.8 5.3

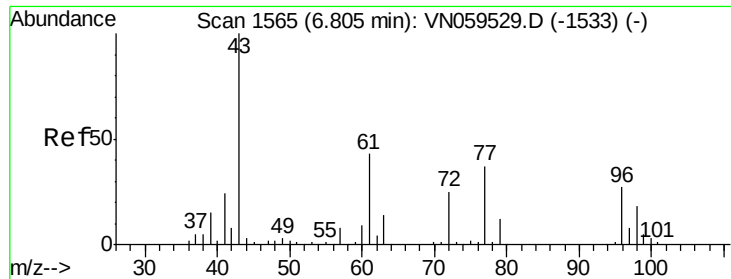


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 100.547 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

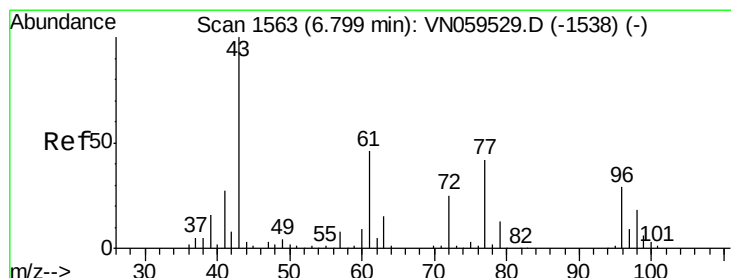
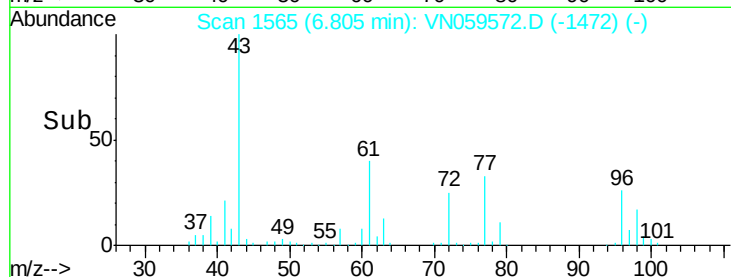
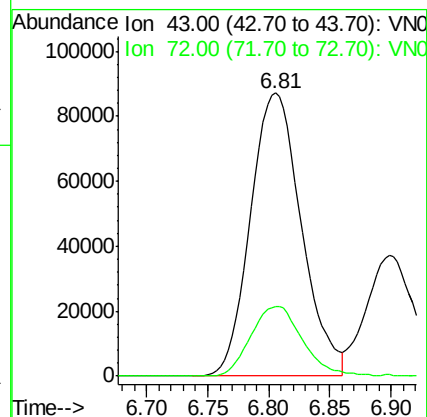
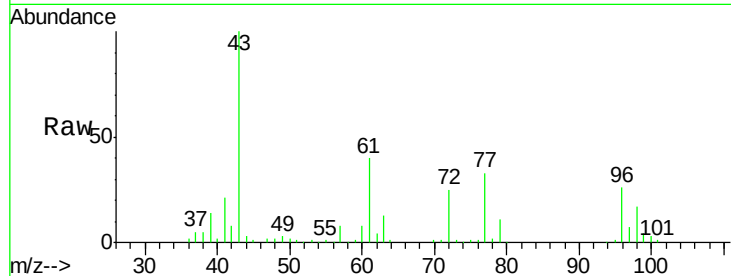
VN1212MBS01

Tgt Ion: 43 Resp: 251700

Ion Ratio Lower Upper

43 100

72 24.8 19.9 29.9



#26

2,2-Dichloropropane

Concen: 19.397 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059572.D

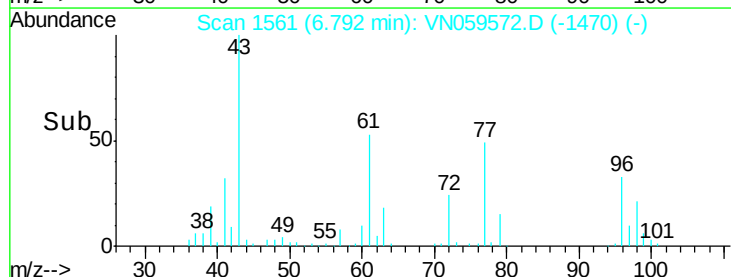
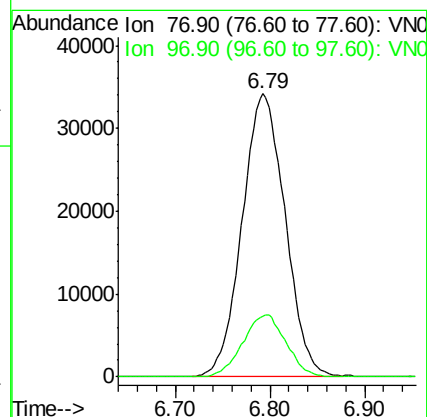
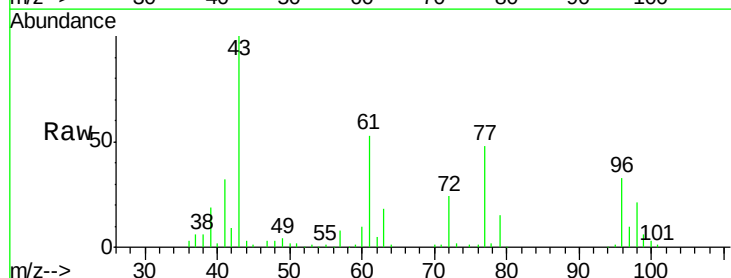
Acq: 12 Dec 2019 14:27

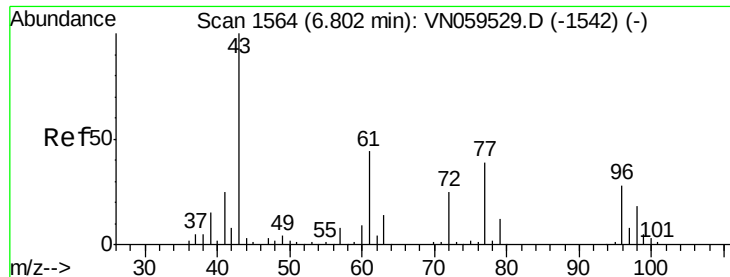
Tgt Ion: 77 Resp: 108019

Ion Ratio Lower Upper

77 100

97 21.9 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.369 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

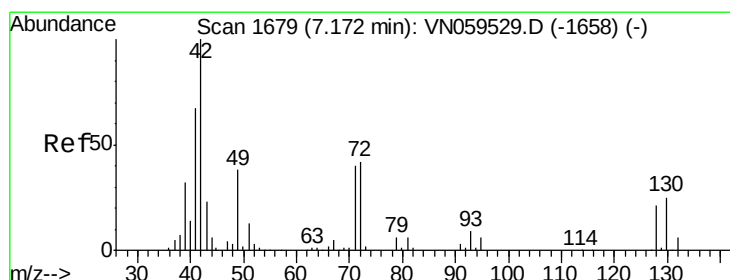
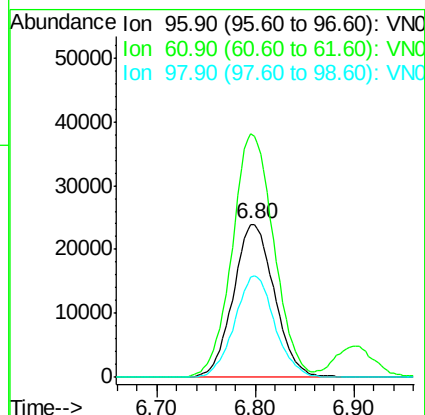
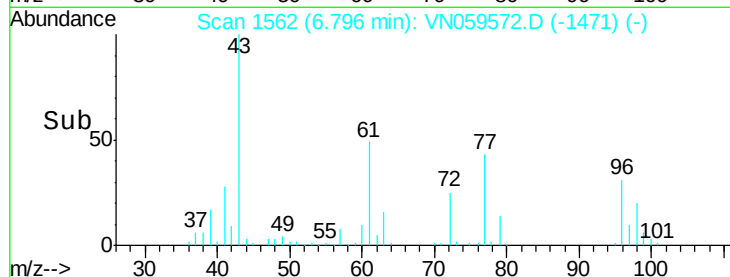
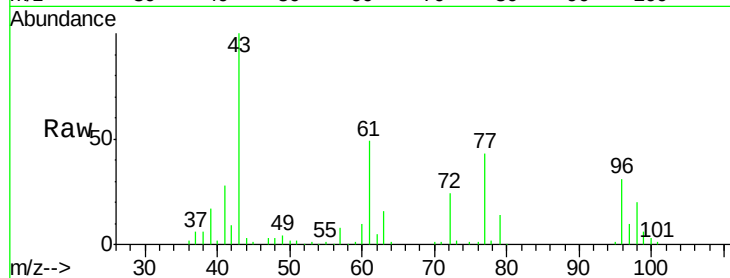
Tgt Ion: 96 Resp: 69325

Ion Ratio Lower Upper

96 100

61 161.3 0.0 320.0

98 64.6 0.0 128.6



#28

Bromochloromethane

Concen: 22.994 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

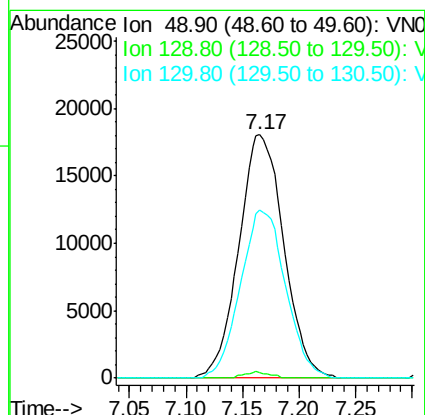
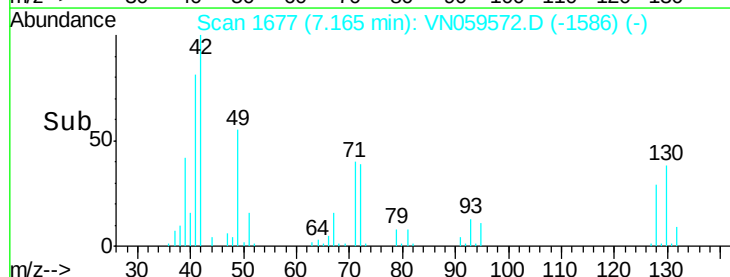
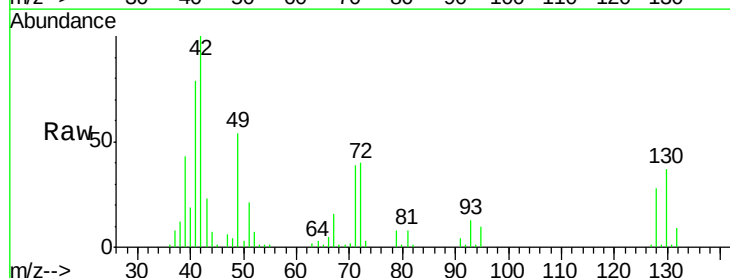
Tgt Ion: 49 Resp: 49906

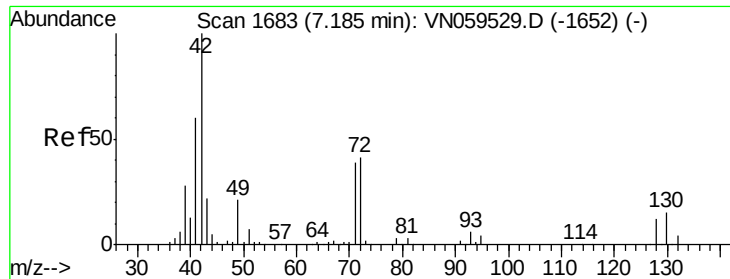
Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.0

130 69.5 54.2 81.2

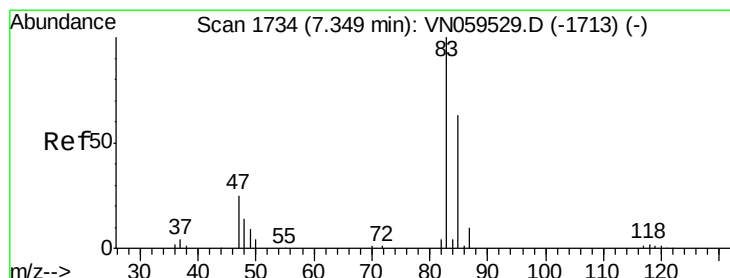
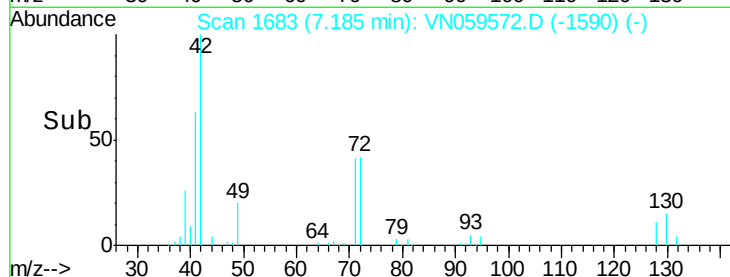
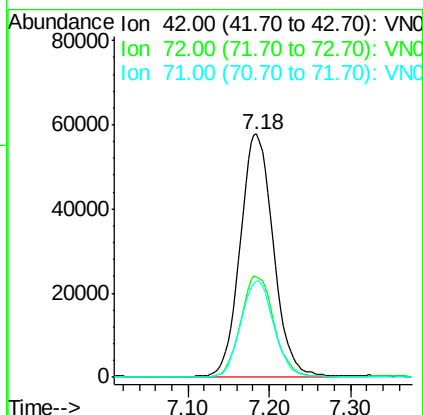
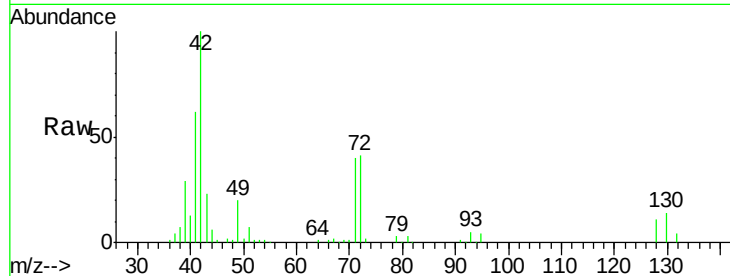




#29
Tetrahydrofuran
Concen: 93.765 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

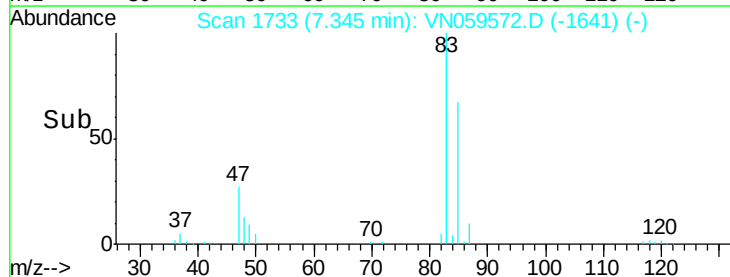
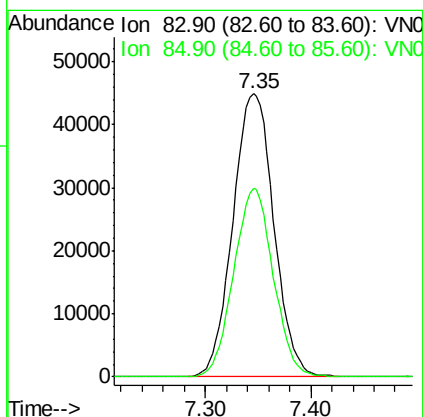
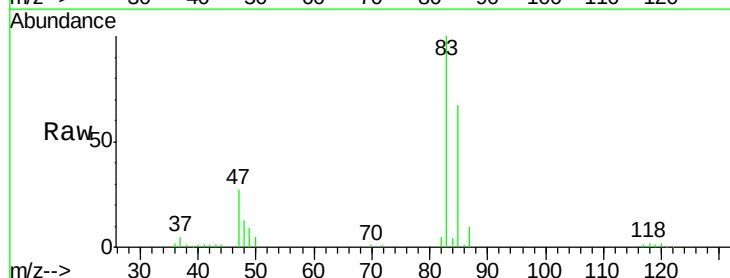
Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

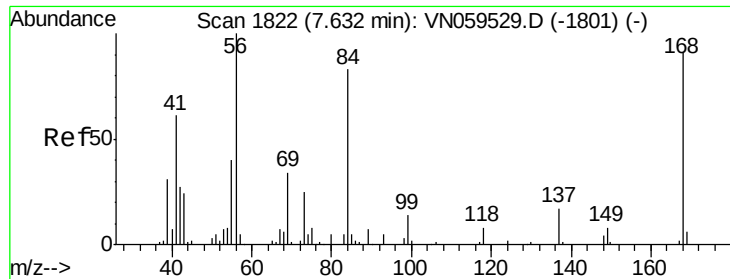
Tgt Ion: 42 Resp: 163269
Ion Ratio Lower Upper
42 100
72 41.9 32.7 49.1
71 39.4 31.4 47.2



#30
Chloroform
Concen: 19.896 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 83 Resp: 121043
Ion Ratio Lower Upper
83 100
85 66.7 50.6 75.8

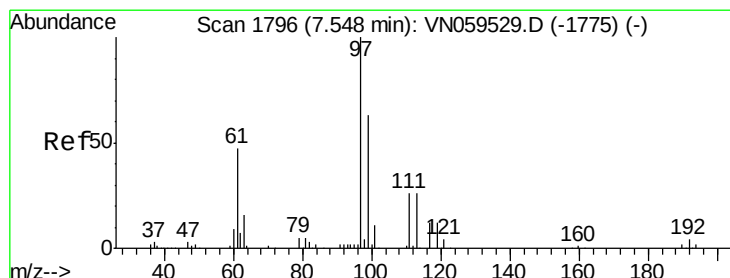
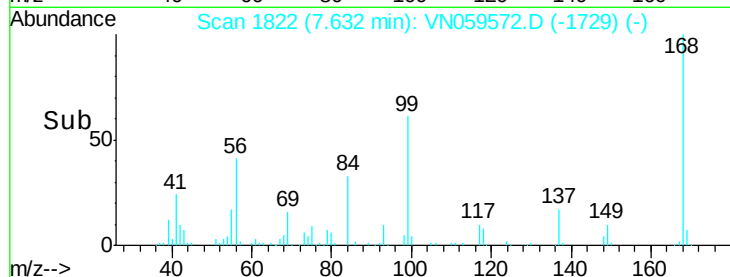
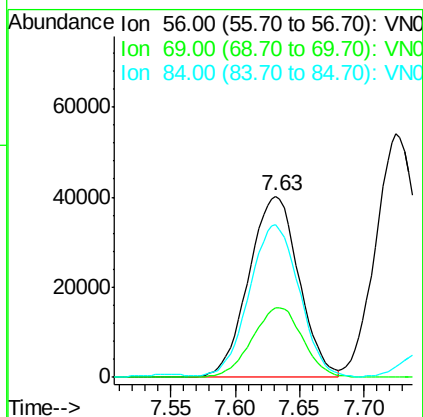
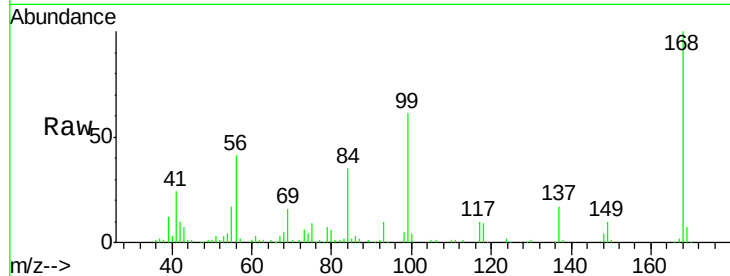




#31
Cyclohexane
Concen: 18.166 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

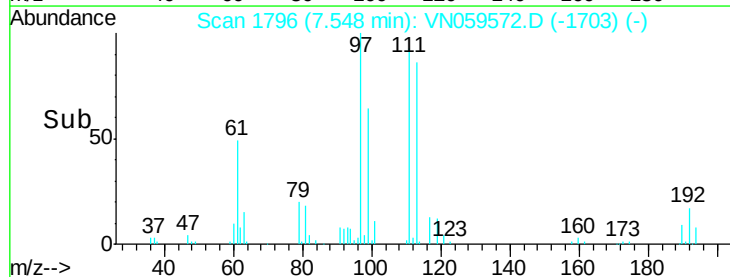
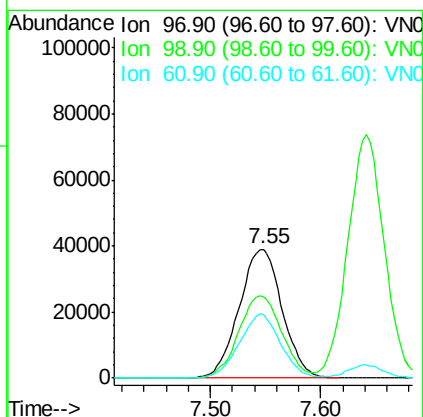
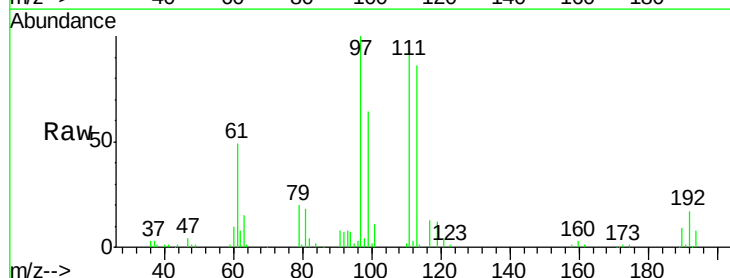
Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

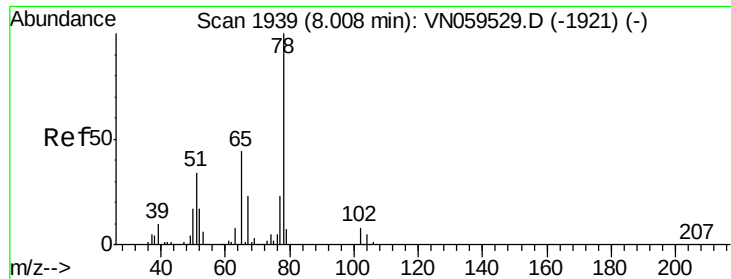
Tgt Ion: 56 Resp: 108975
Ion Ratio Lower Upper
56 100
69 38.1 26.9 40.3
84 83.2 66.5 99.7



#32
1,1,1-Trichloroethane
Concen: 19.511 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 97 Resp: 105306
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 47.6 38.5 57.7

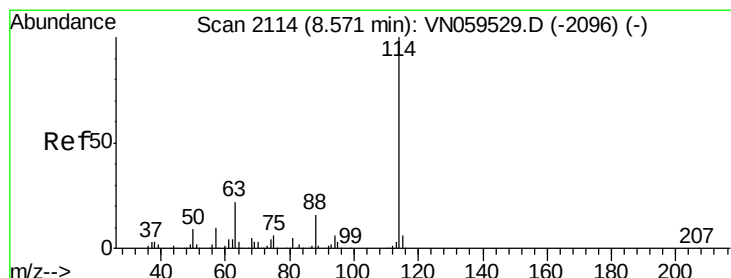
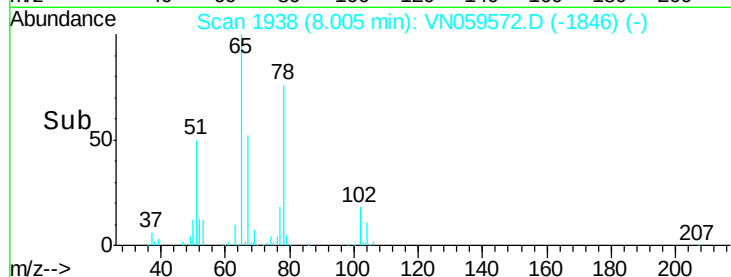
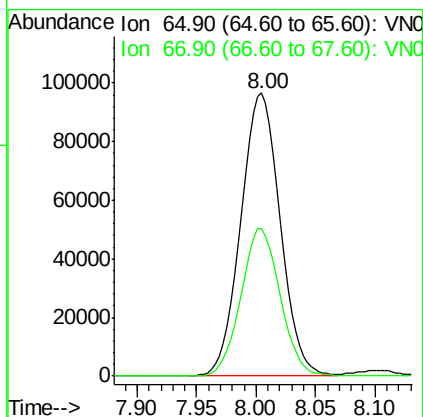
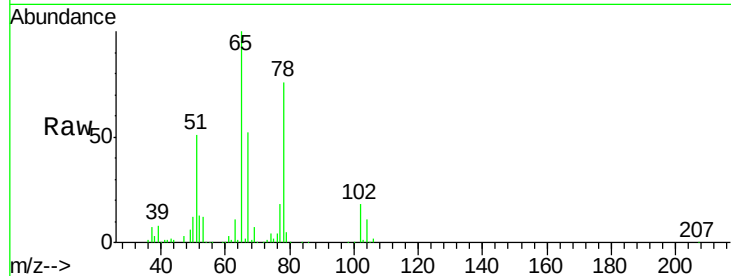




#33
 1,2-Dichloroethane-d4
 Concen: 55.745 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

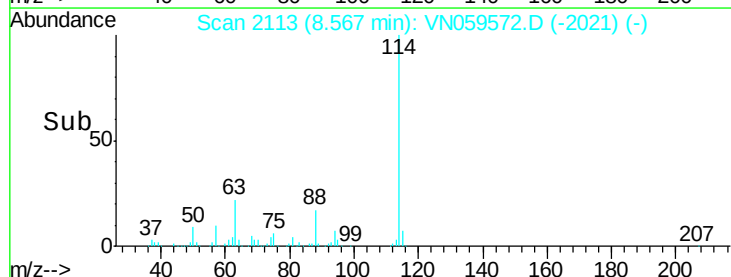
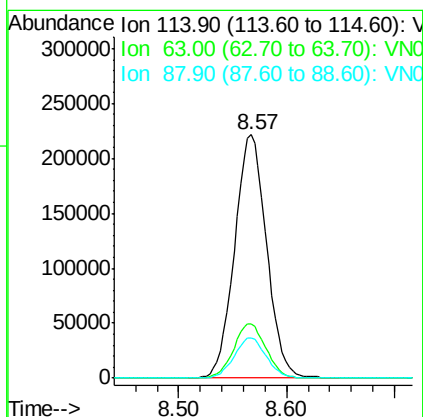
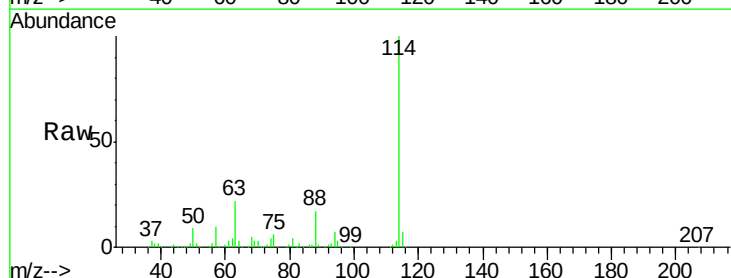
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

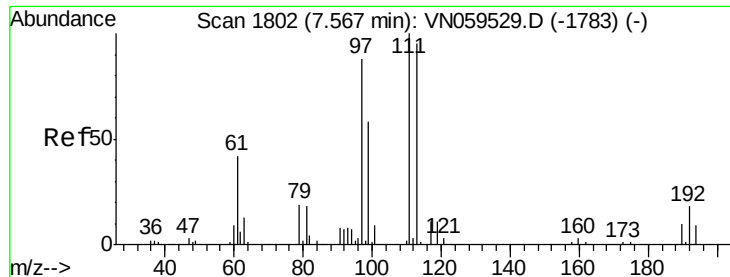
Tgt Ion: 65 Resp: 221927
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion: 114 Resp: 456343
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.0
 88 16.5 0.0 32.2

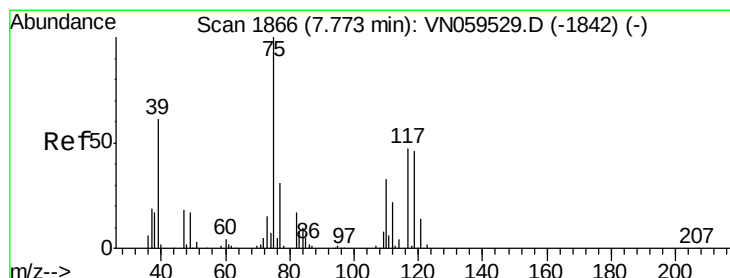
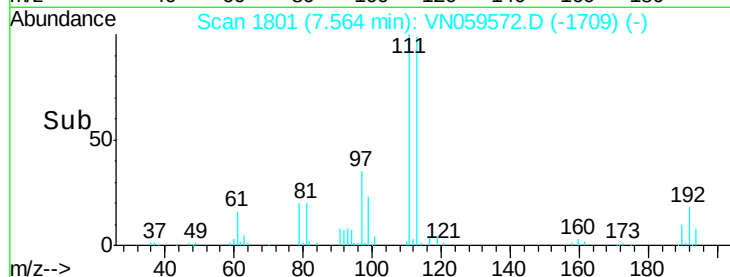
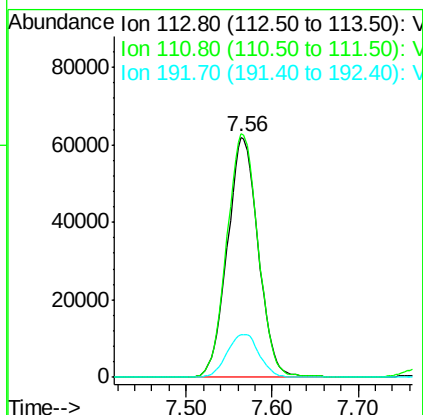
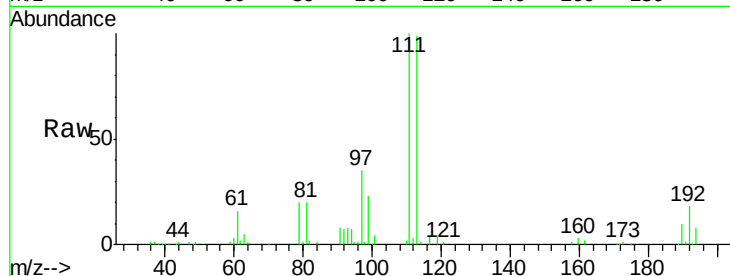




#35
 Dibromofluoromethane
 Concen: 56.872 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

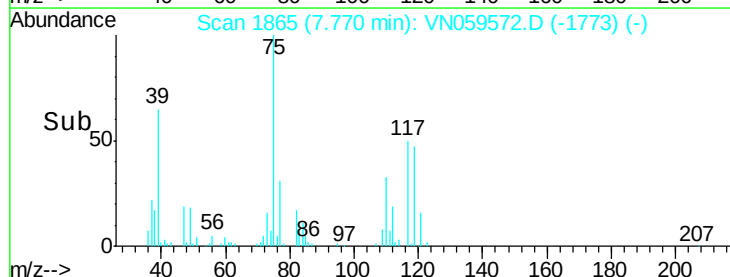
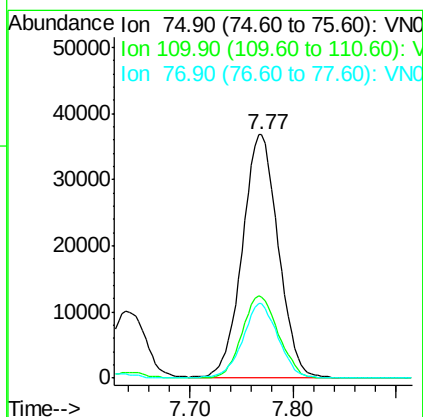
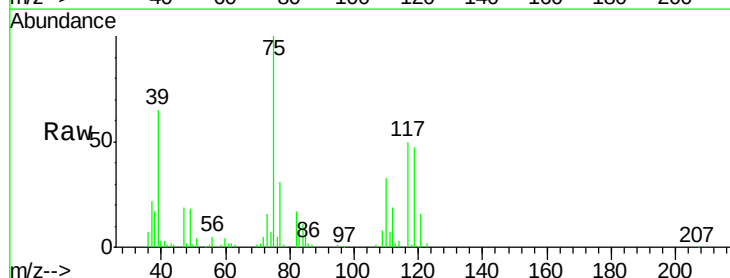
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

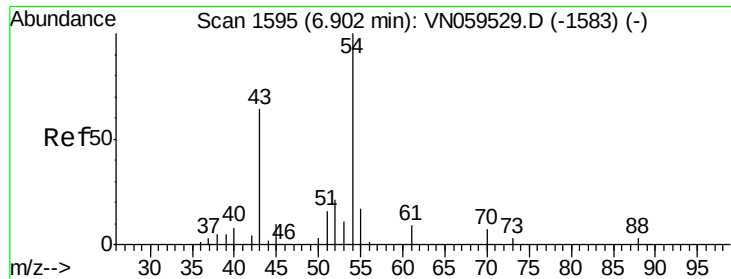
Tgt Ion:113 Resp: 154875
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.4
 192 18.6 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 19.112 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion: 75 Resp: 89479
 Ion Ratio Lower Upper
 75 100
 110 33.8 16.7 50.0
 77 30.0 24.6 37.0

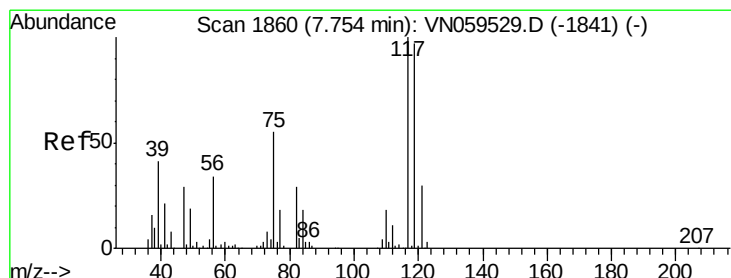
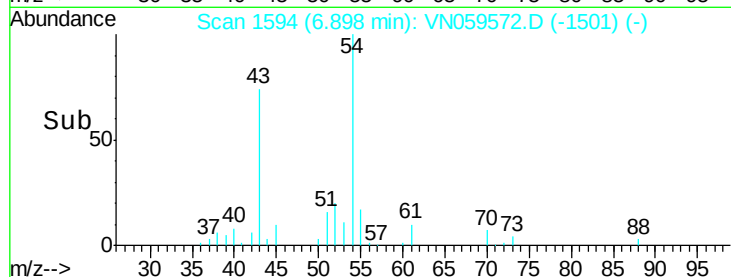
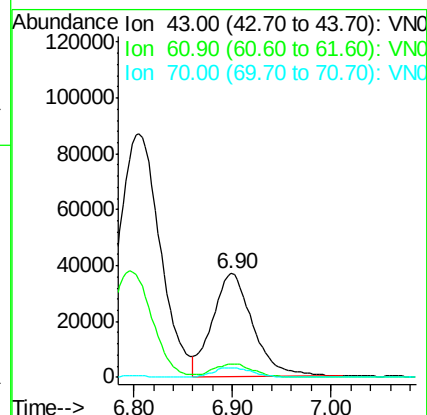
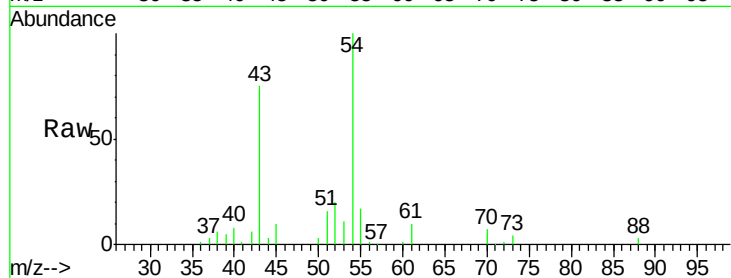




#37
Ethyl Acetate
 Concen: 20.232 ug/l
 RT: 6.90 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

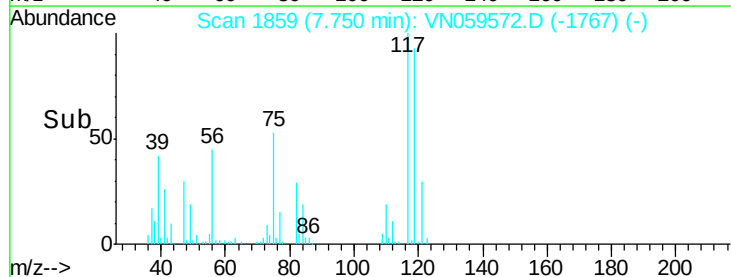
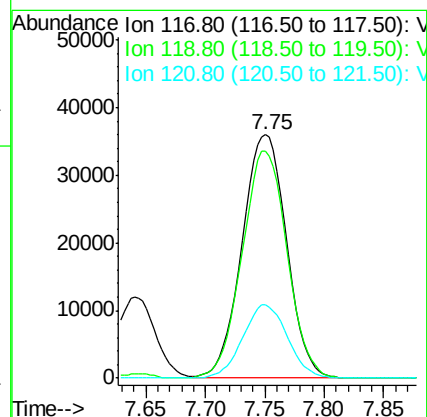
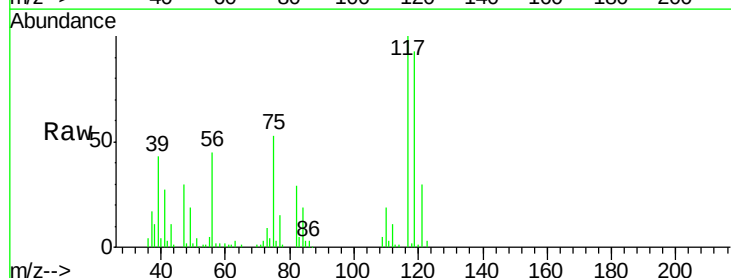
Instrument :
 MSVOA_N
 ClientSampled :
 VN1212MBS01

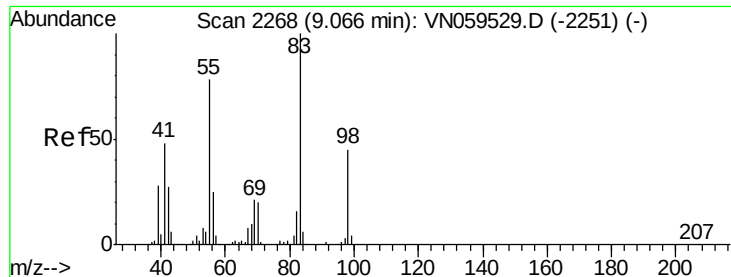
Tgt Ion: 43 Resp: 105305
 Ion Ratio Lower Upper
 43 100
 61 12.5 11.0 16.6
 70 9.1 7.7 11.5



#38
Carbon Tetrachloride
 Concen: 20.247 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion: 117 Resp: 93435
 Ion Ratio Lower Upper
 117 100
 119 93.1 77.0 115.4
 121 30.3 24.1 36.1

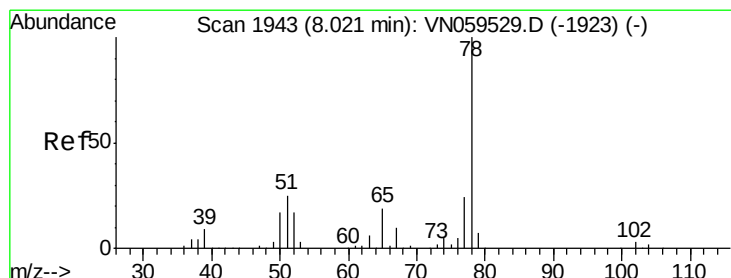
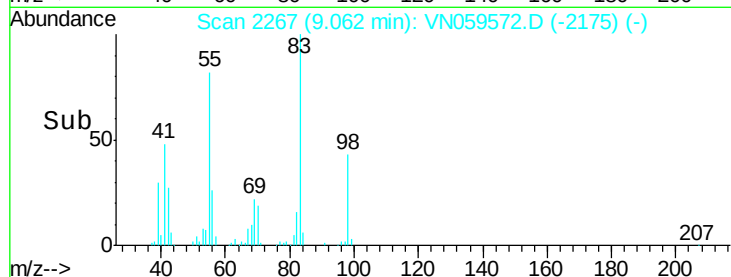
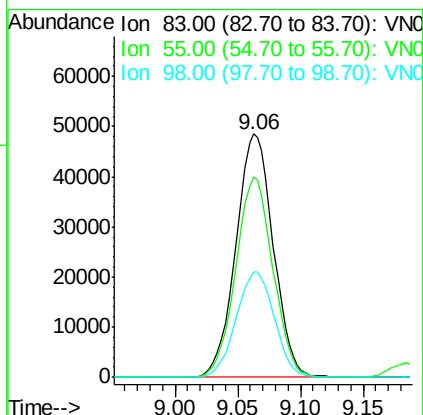
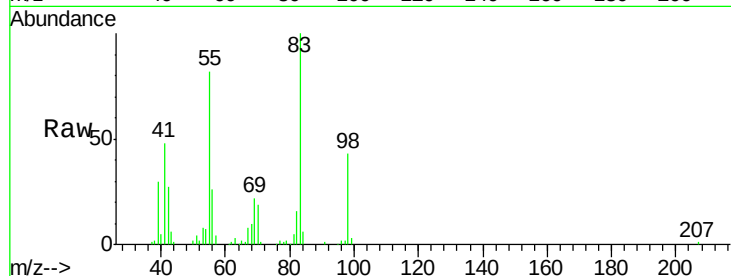




#39
Methylcyclohexane
Concen: 19.120 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

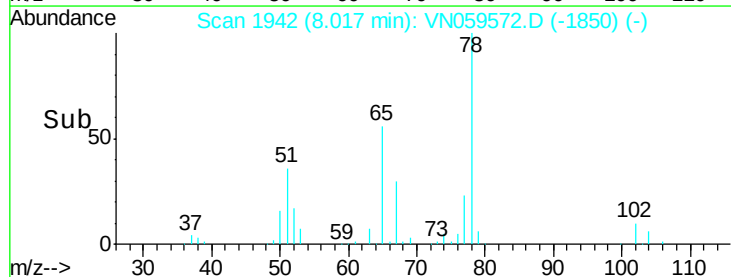
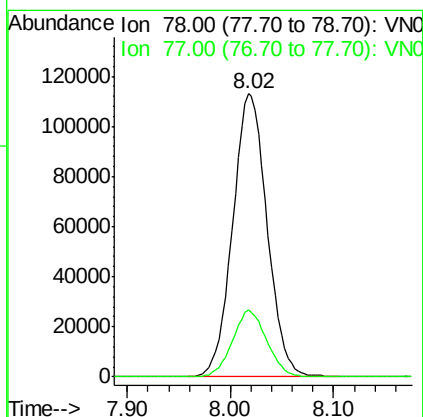
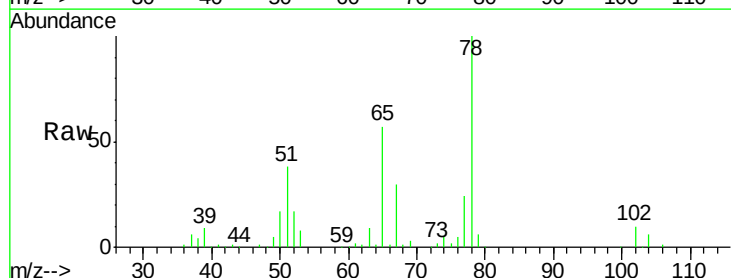
Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

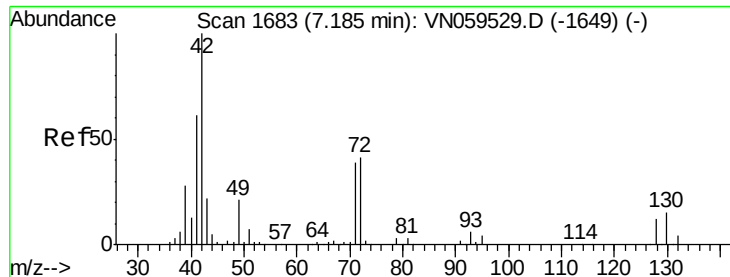
Tgt Ion: 83 Resp: 100416
Ion Ratio Lower Upper
83 100
55 82.0 62.7 94.1
98 43.5 35.7 53.5



#40
Benzene
Concen: 19.603 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 78 Resp: 262192
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

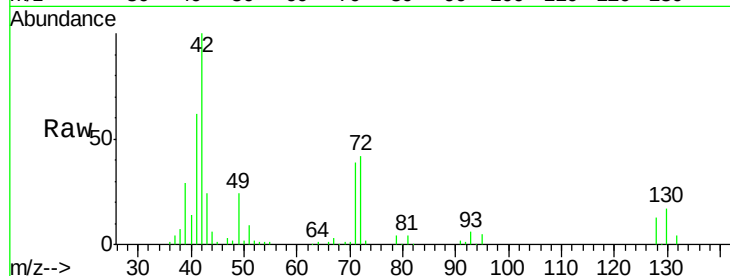




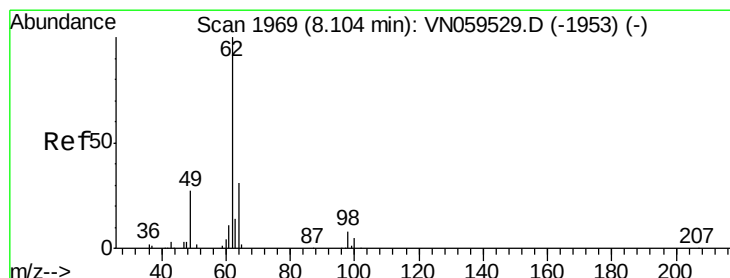
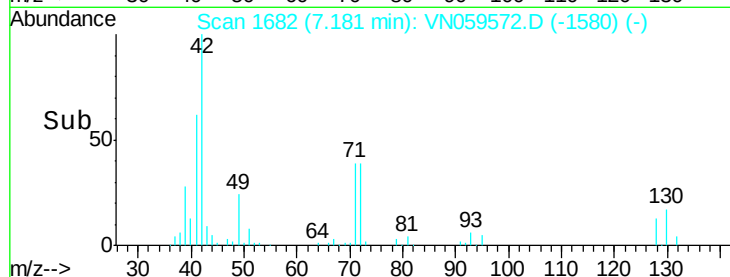
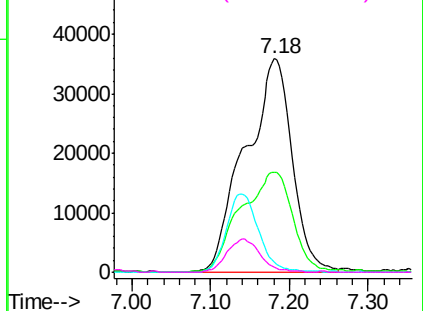
#41
Methacrylonitrile
Concen: 65.855 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampled :
VN1212MBS01

Tgt Ion:	41	Resp:	149839
Ion	Ratio	Lower	Upper
41	100		
39	52.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

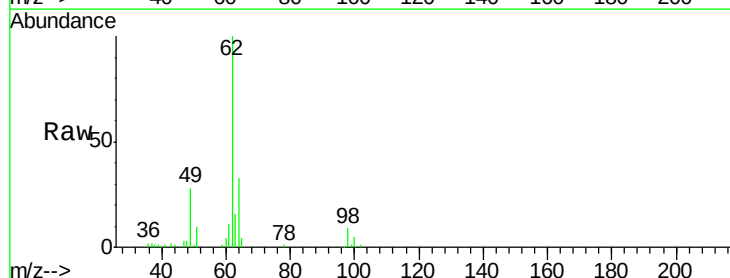


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

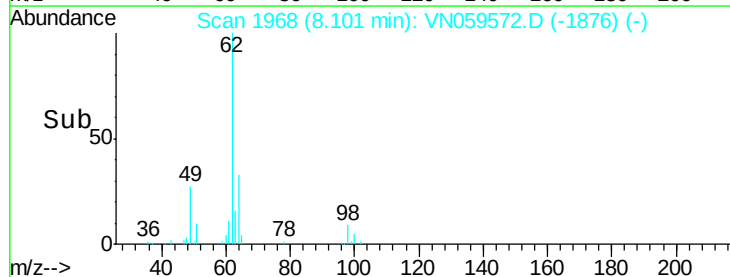
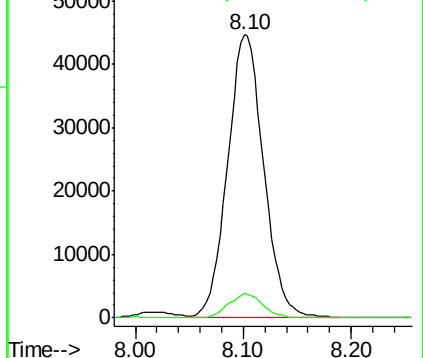


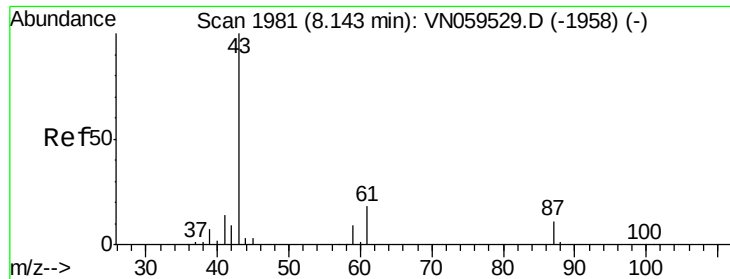
#42
1,2-Dichloroethane
Concen: 20.888 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion:	62	Resp:	104091
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.4



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





#43

Isopropyl Acetate

Concen: 20.031 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

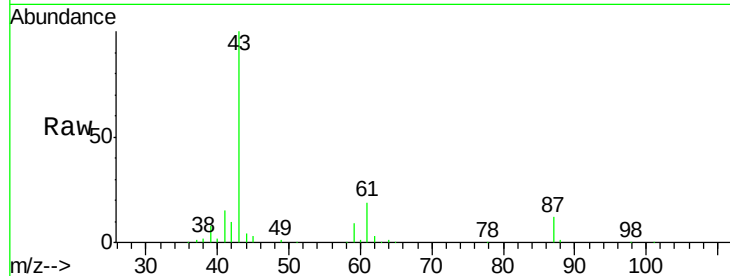
Tgt Ion: 43 Resp: 161891

Ion Ratio Lower Upper

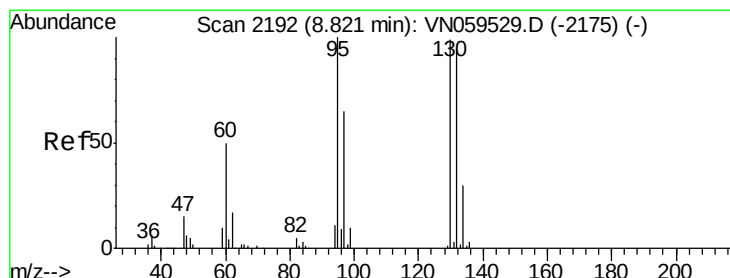
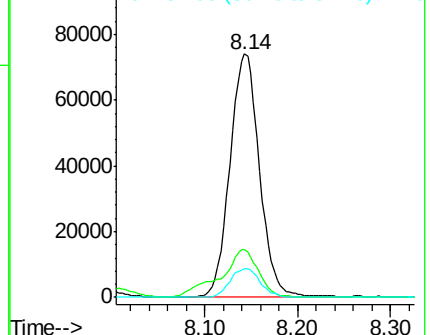
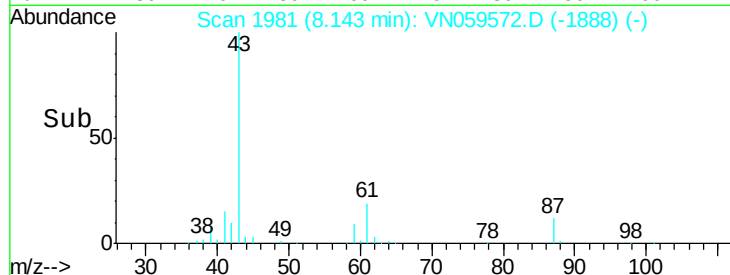
43 100

61 25.7 19.8 29.6

87 12.1 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN059572.D (-1888) (-)



#44

Trichloroethene

Concen: 19.976 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059572.D

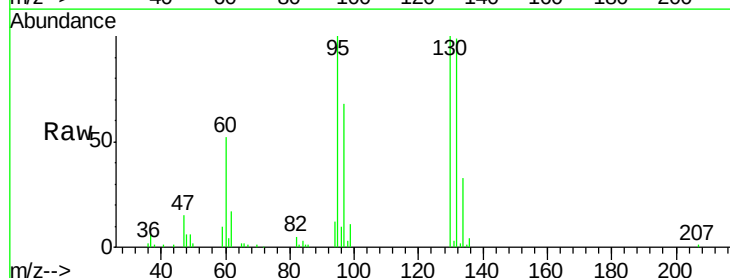
Acq: 12 Dec 2019 14:27

Tgt Ion: 130 Resp: 67497

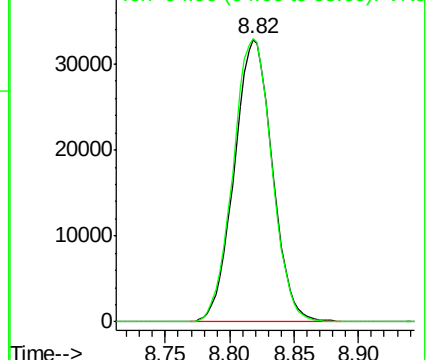
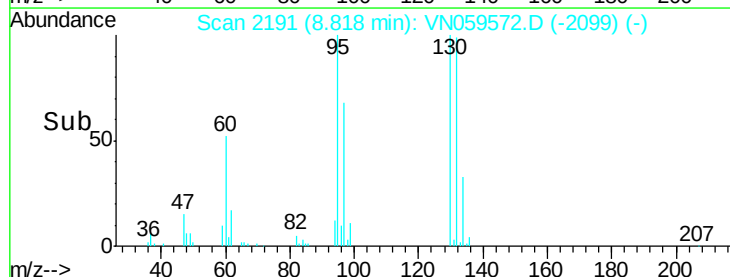
Ion Ratio Lower Upper

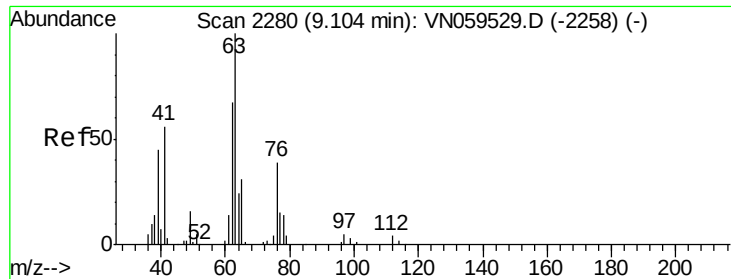
130 100

95 100.3 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VN059572.D (-2099) (-)

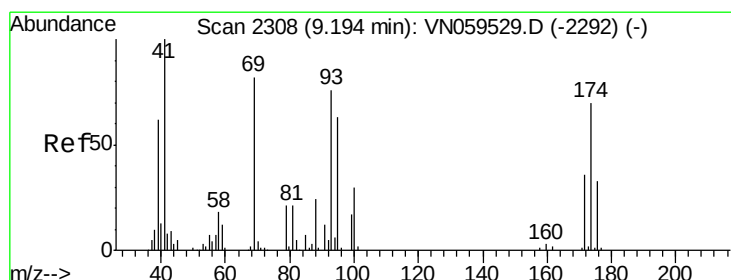
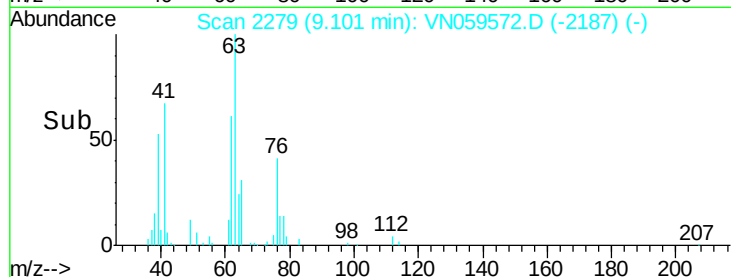
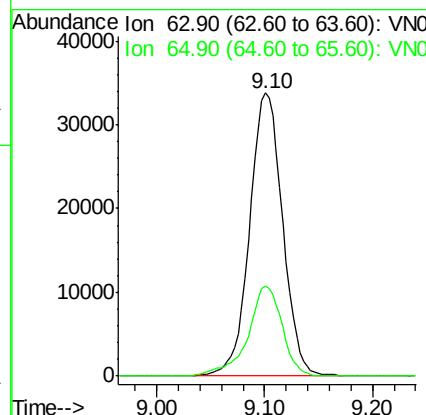
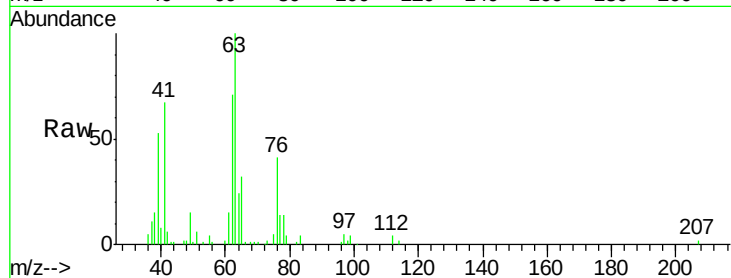




#45
 1,2-Dichloropropane
 Concen: 20.240 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

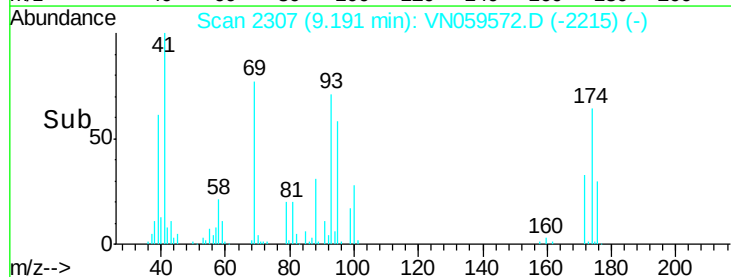
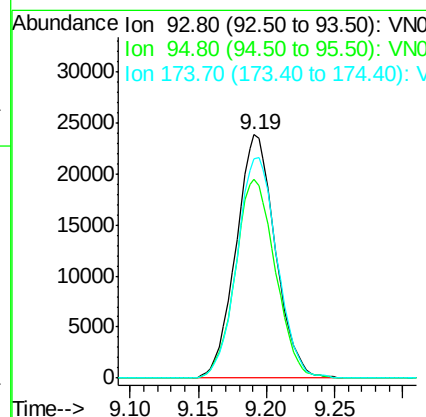
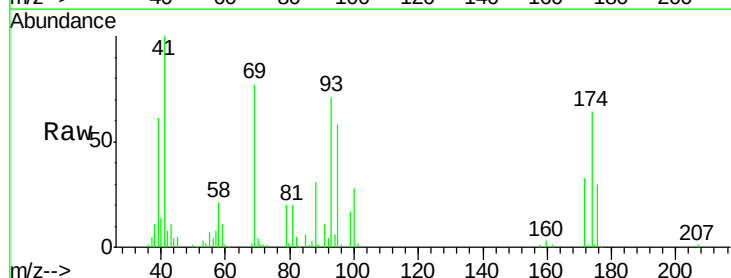
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

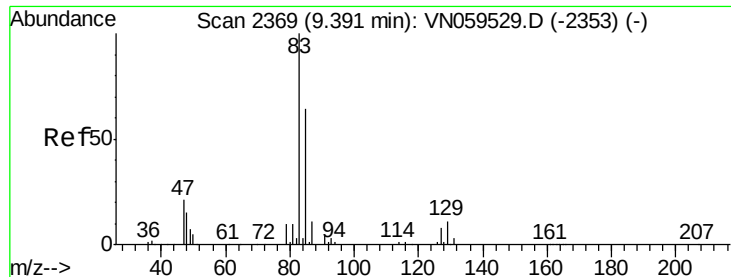
Tgt Ion: 63 Resp: 71712
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2



#46
 Dibromomethane
 Concen: 20.360 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion: 93 Resp: 47674
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.0 100.6
 174 92.3 75.6 113.4

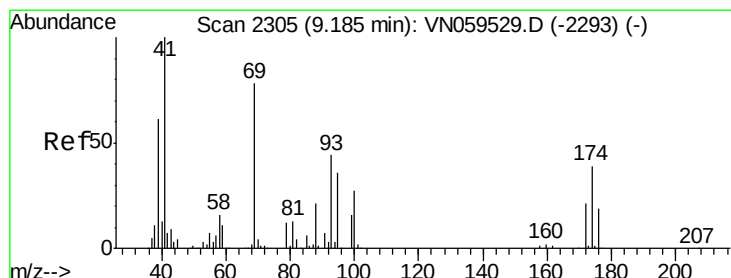
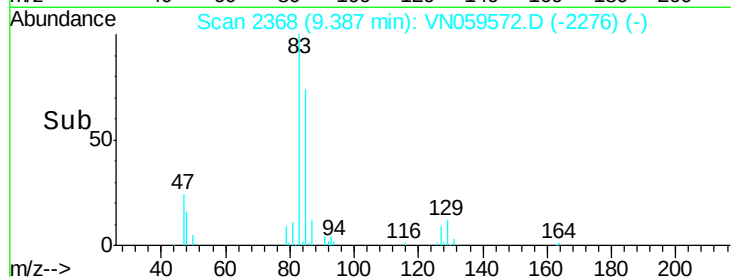
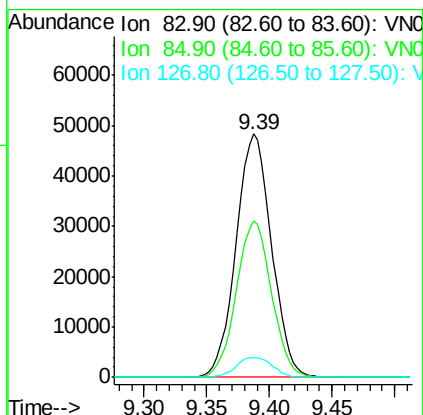
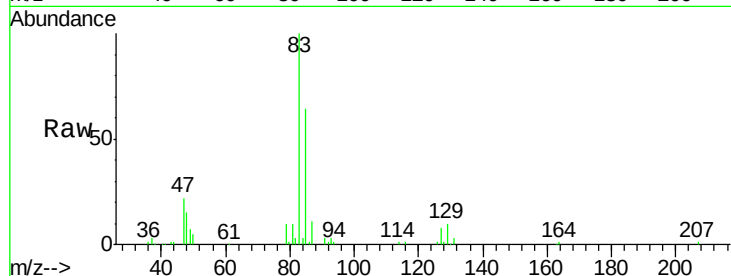




#47
Bromodichloromethane
Concen: 20.443 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

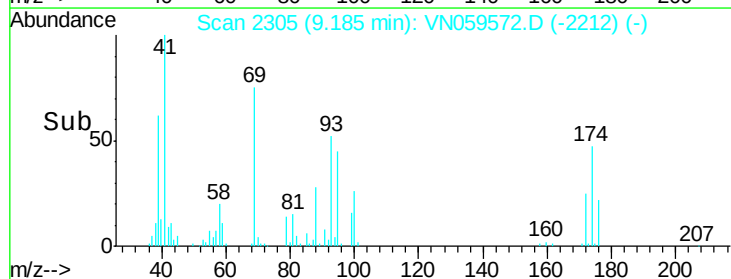
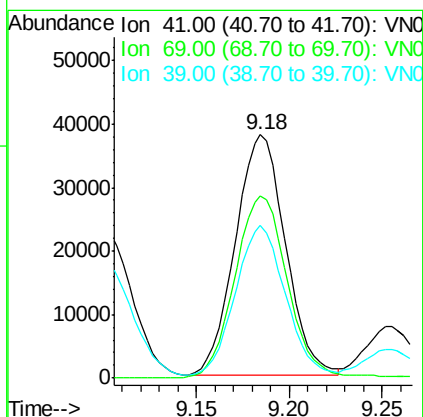
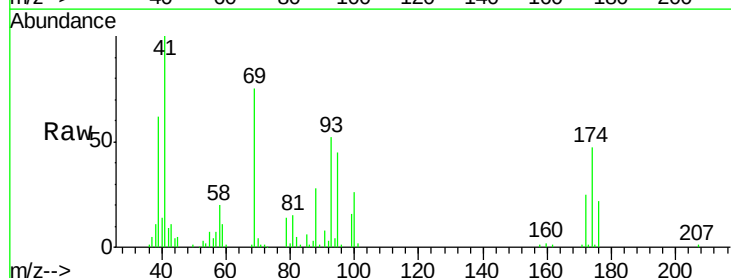
Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

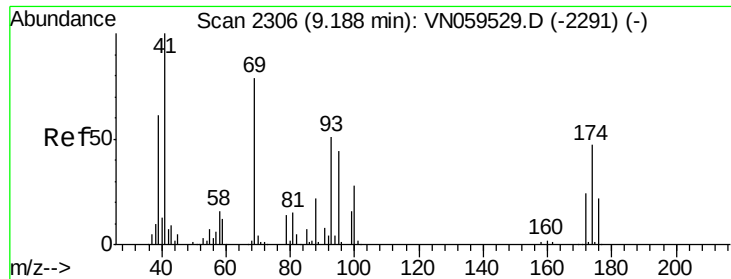
Tgt Ion: 83 Resp: 95136
Ion Ratio Lower Upper
83 100
85 64.1 51.4 77.0
127 8.2 6.7 10.1



#48
Methyl methacrylate
Concen: 20.149 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 41 Resp: 71202
Ion Ratio Lower Upper
41 100
69 79.6 64.0 96.0
39 64.4 50.0 75.0

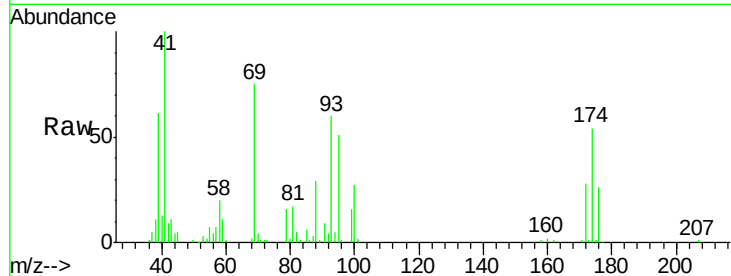




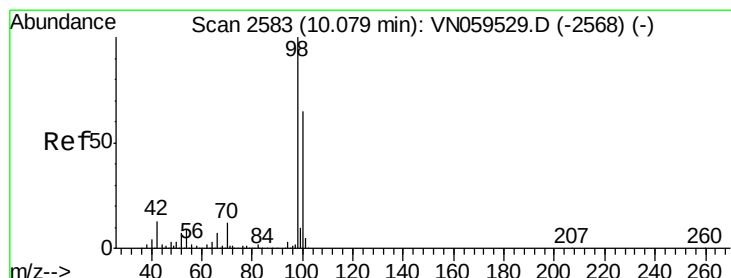
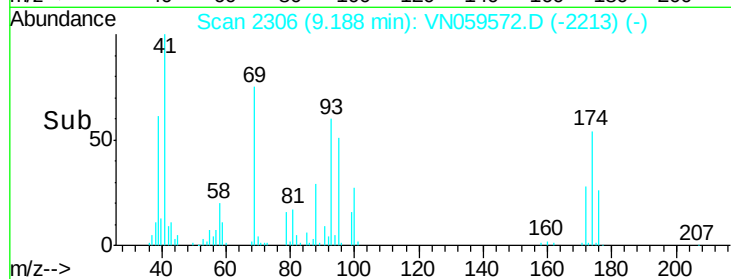
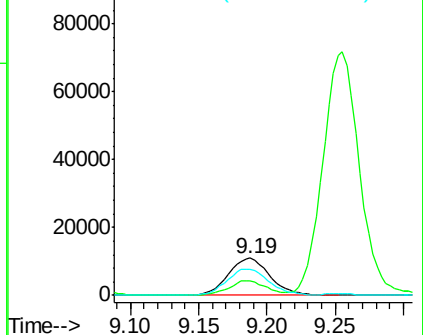
#49
1,4-Dioxane
Concen: 514.140 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tgt Ion: 88 Resp: 23246
Ion Ratio Lower Upper
88 100
43 36.2 31.4 47.0
58 71.7 61.0 91.6

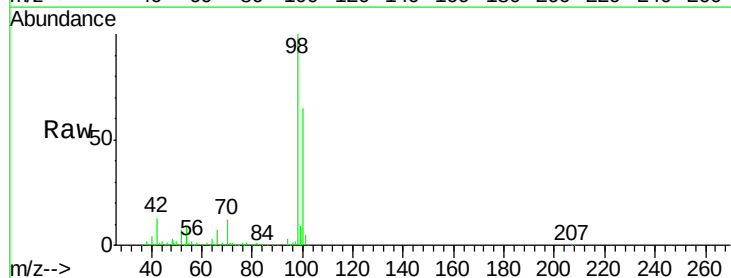


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

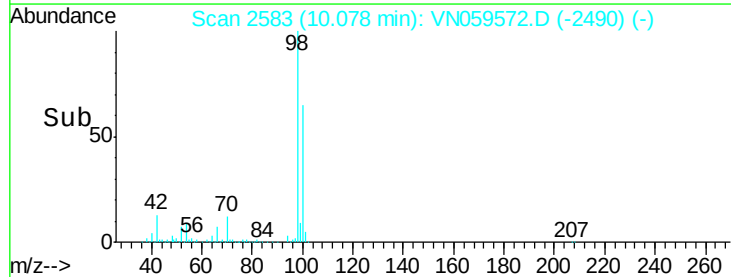
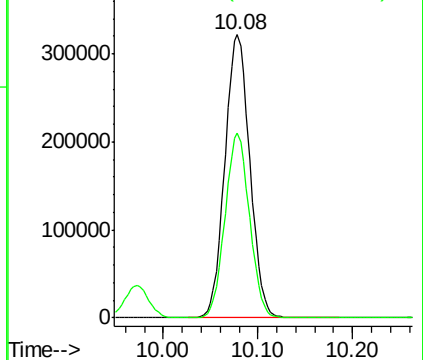


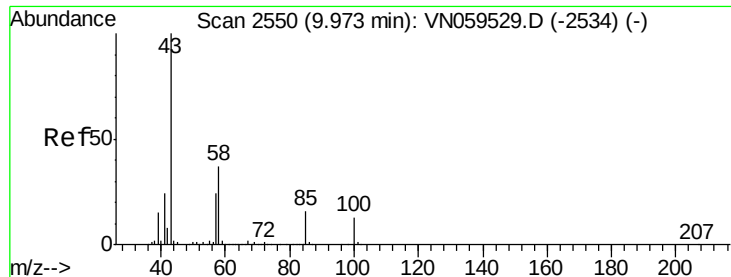
#50
Toluene-d8
Concen: 53.002 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 98 Resp: 589259
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.8



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

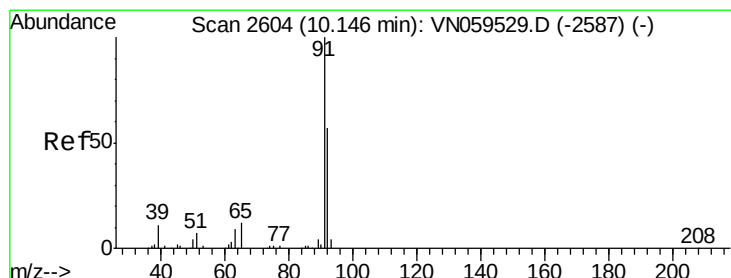
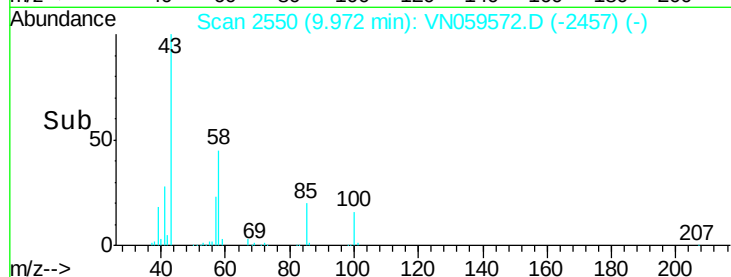
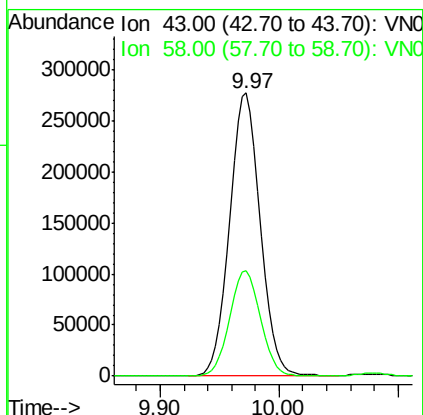
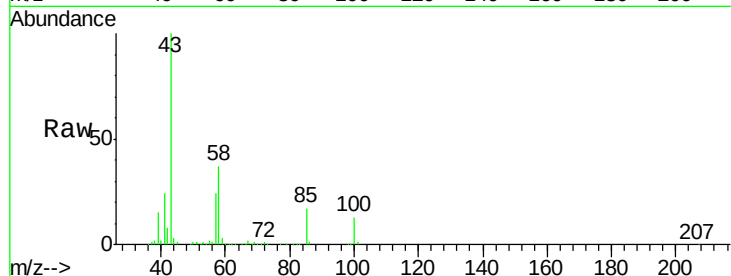




#51
 4-Methyl-2-Pentanone
 Concen: 95.968 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

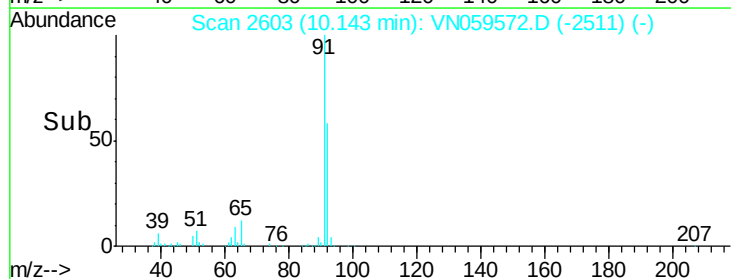
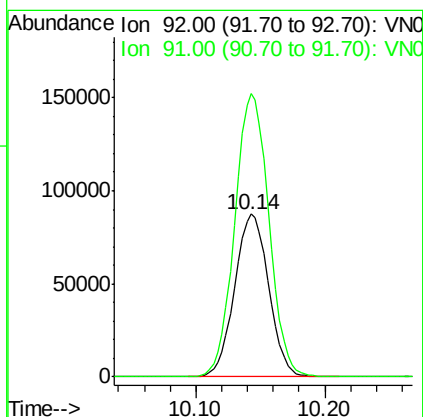
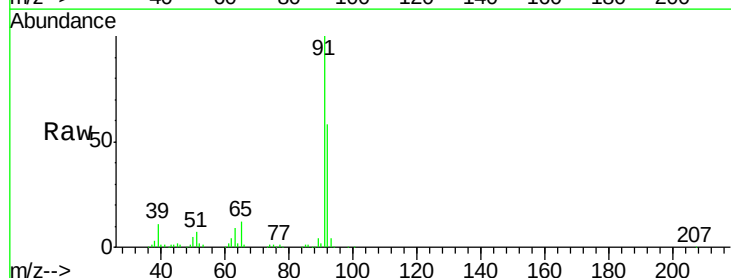
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

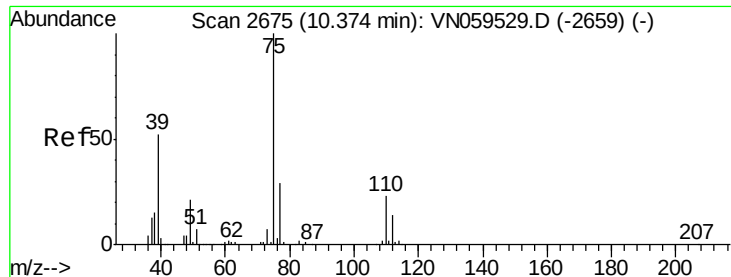
Tgt Ion: 43 Resp: 495371
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.1 45.1



#52
 Toluene
 Concen: 20.122 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion: 92 Resp: 160352
 Ion Ratio Lower Upper
 92 100
 91 174.8 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 20.007 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

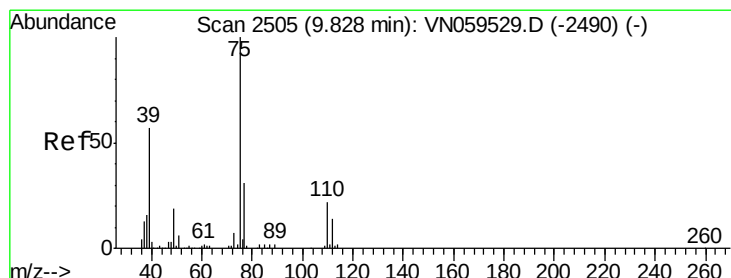
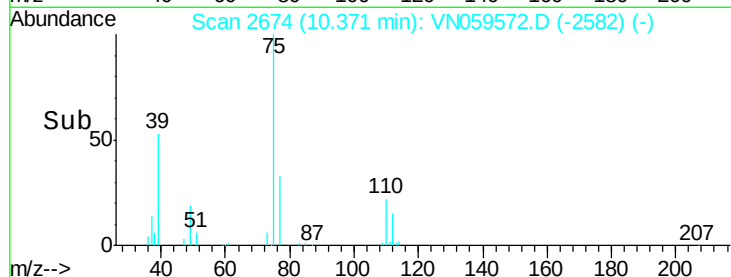
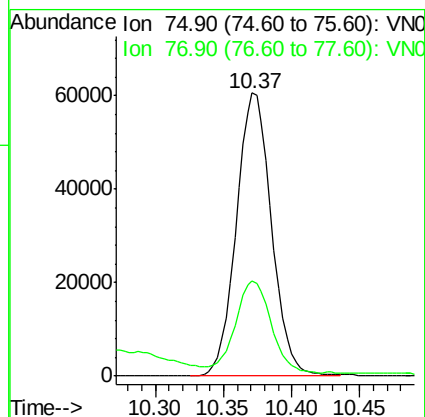
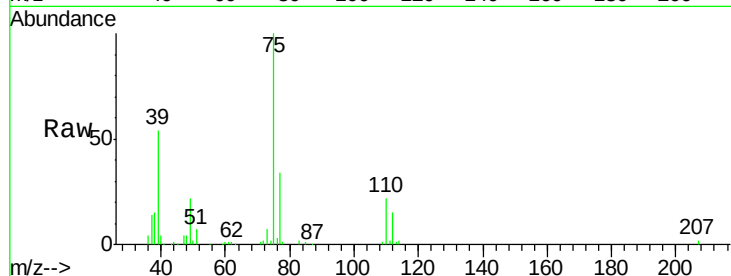
VN1212MBS01

Tgt Ion: 75 Resp: 108479

Ion Ratio Lower Upper

75 100

77 32.6 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 20.512 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

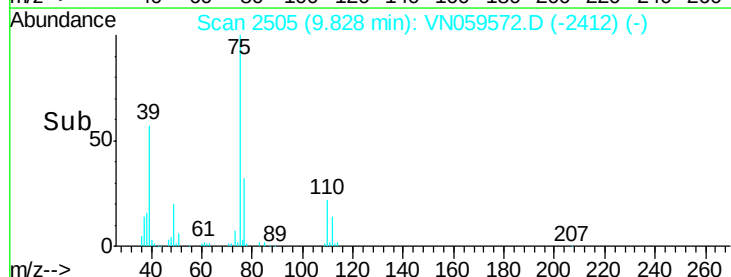
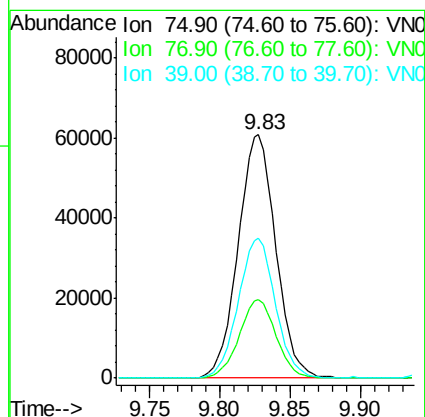
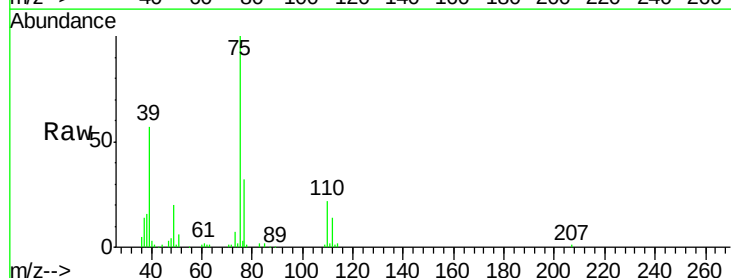
Tgt Ion: 75 Resp: 113831

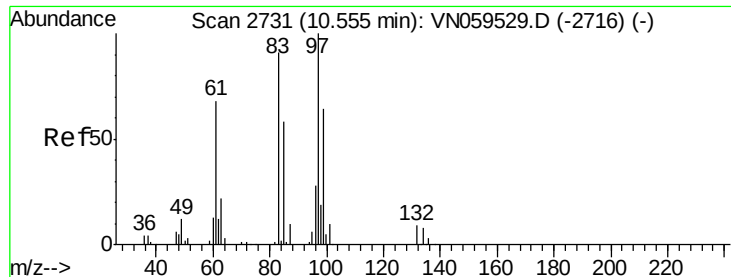
Ion Ratio Lower Upper

75 100

77 32.3 24.6 36.8

39 57.5 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 20.151 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampled :

VN1212MBS01

Tgt Ion: 97 Resp: 64947

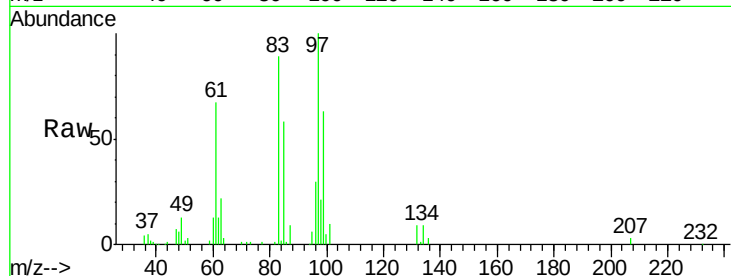
Ion Ratio Lower Upper

97 100

83 88.5 72.9 109.3

85 58.0 46.1 69.1

99 63.3 50.8 76.2

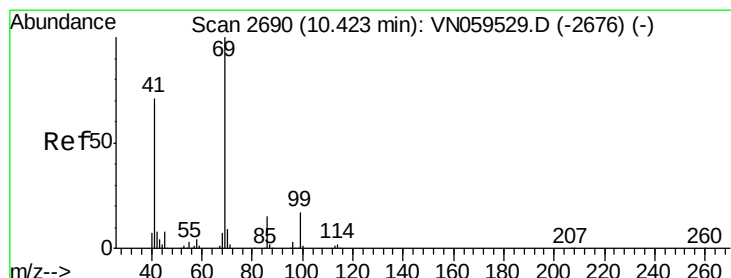
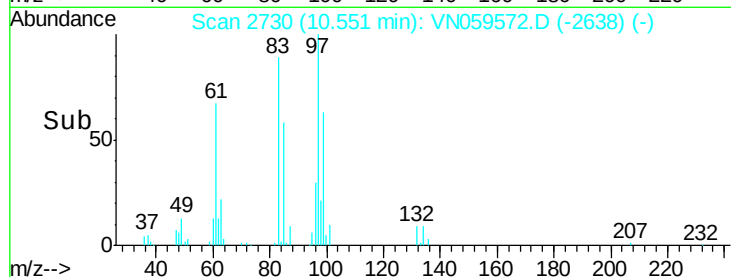
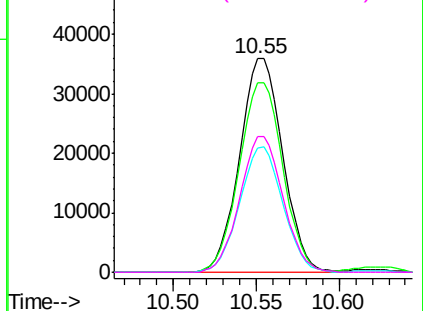


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 18.299 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

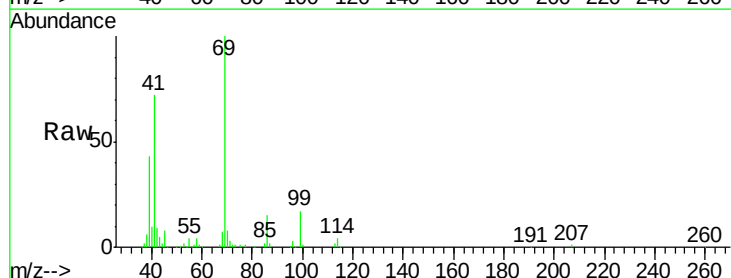
Tgt Ion: 69 Resp: 93778

Ion Ratio Lower Upper

69 100

41 71.2 57.7 86.5

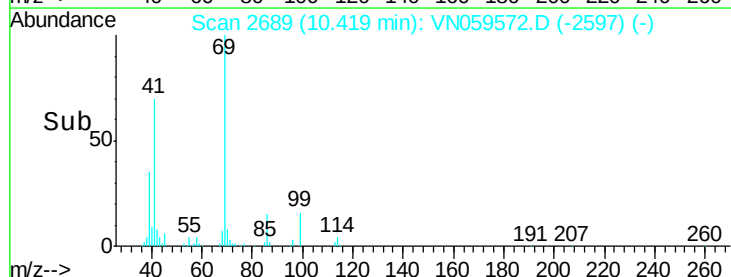
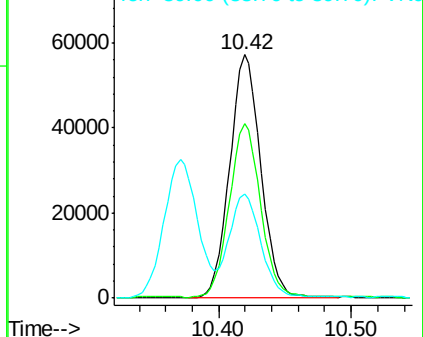
39 43.7 34.2 51.2

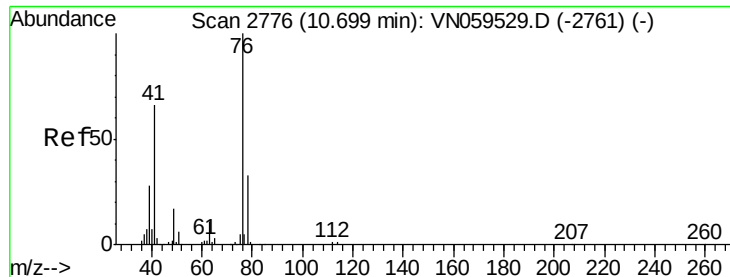


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.659 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

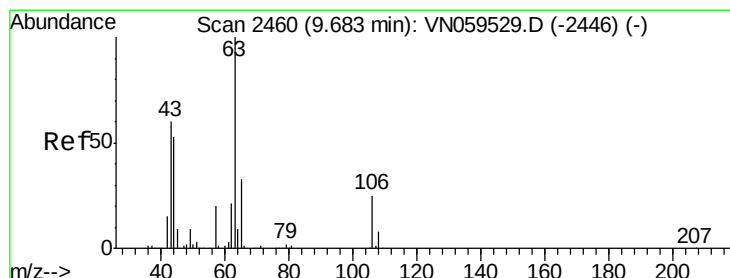
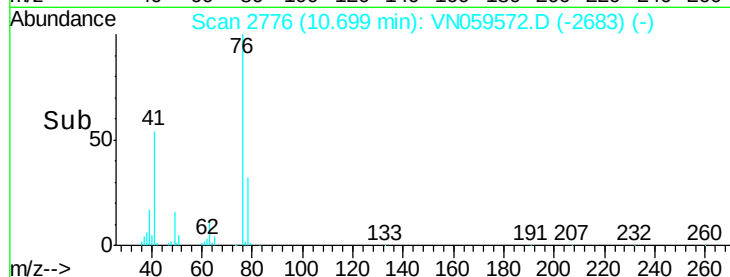
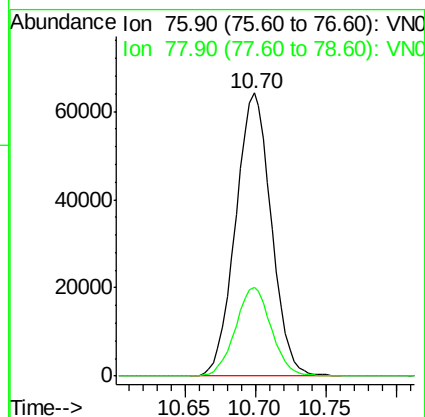
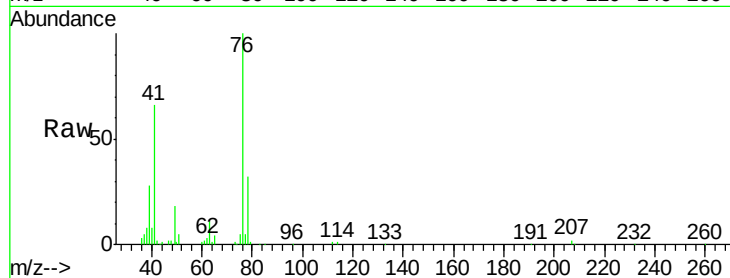
VN1212MBS01

Tgt Ion: 76 Resp: 113717

Ion Ratio Lower Upper

76 100

78 31.7 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 125.512 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059572.D

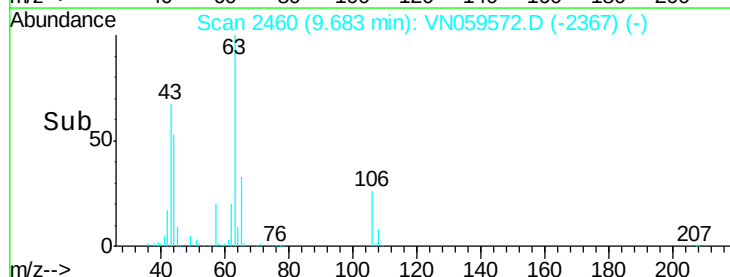
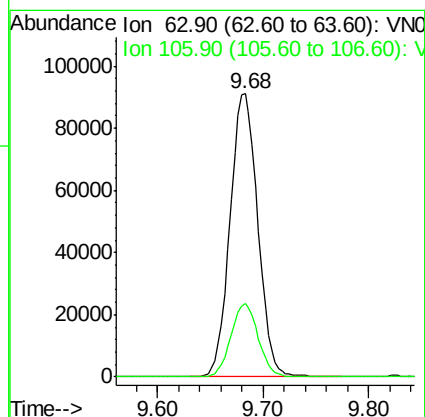
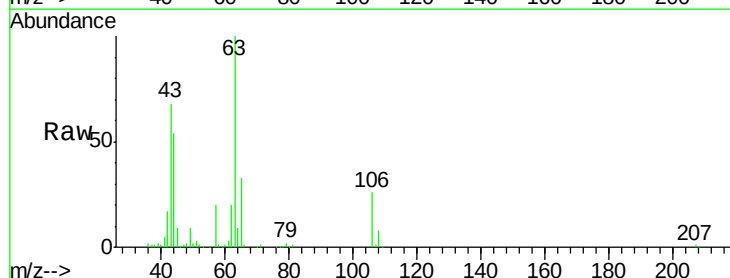
Acq: 12 Dec 2019 14:27

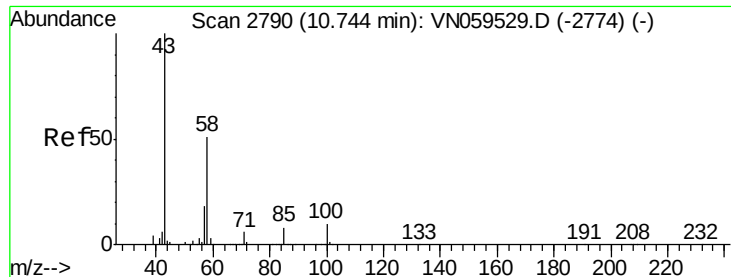
Tgt Ion: 63 Resp: 165721

Ion Ratio Lower Upper

63 100

106 25.4 19.9 29.9

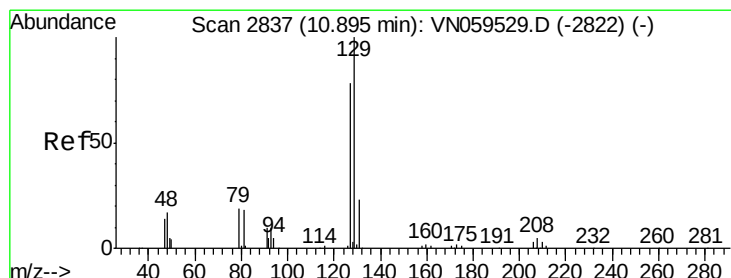
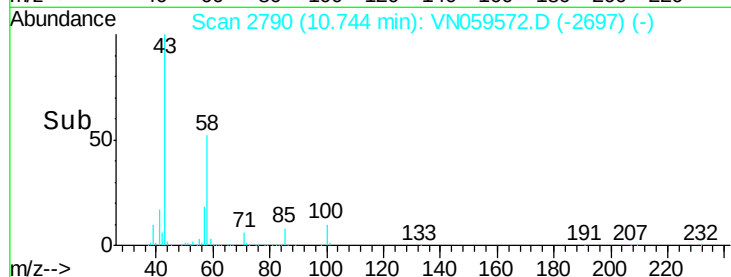
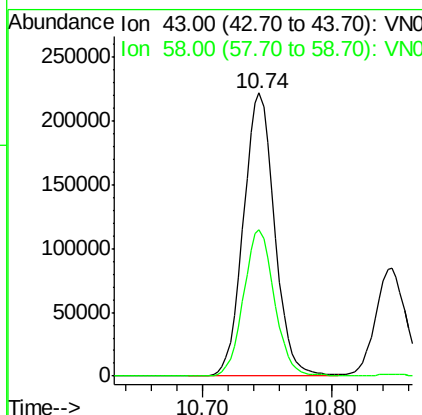
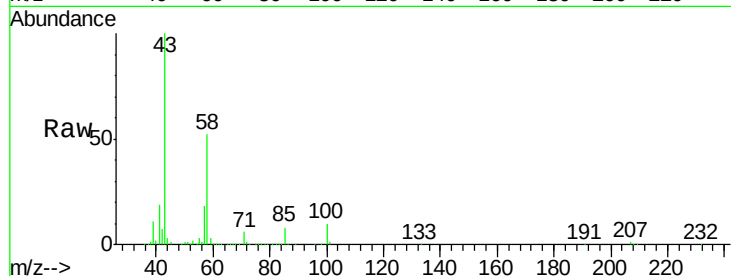




#59
2-Hexanone
Concen: 96.645 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

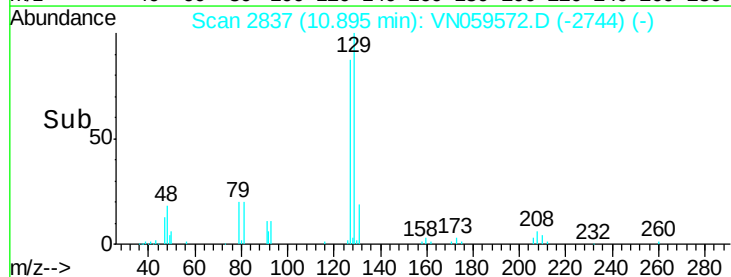
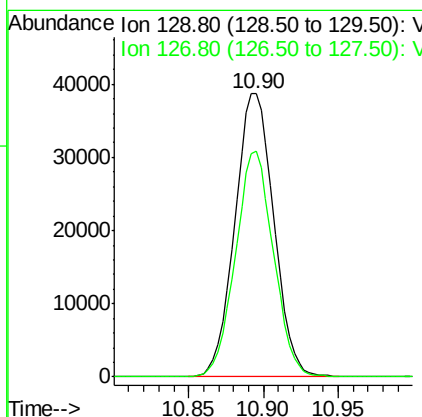
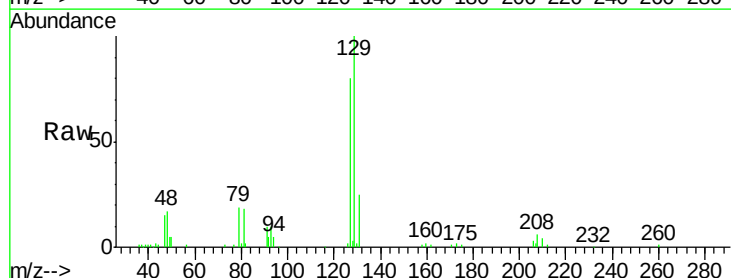
Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

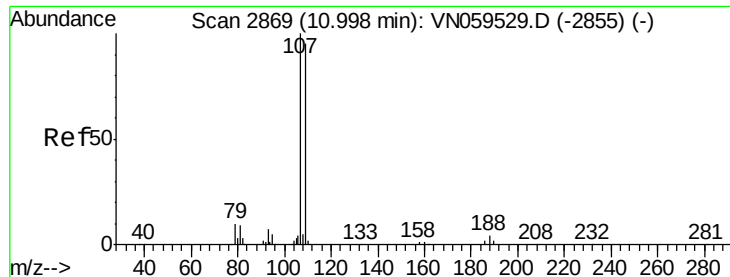
Tgt Ion: 43 Resp: 373689
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.6



#60
Dibromochloromethane
Concen: 18.894 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 129 Resp: 70116
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.872 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

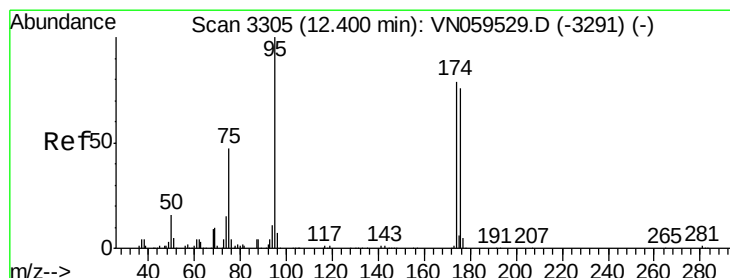
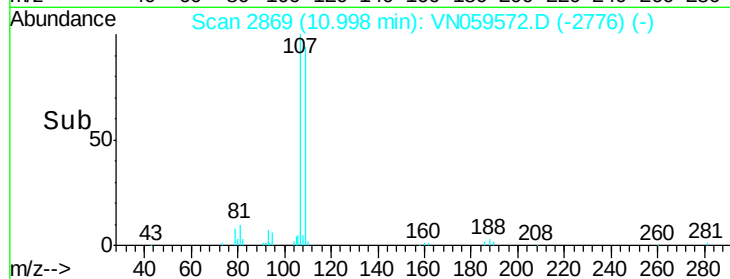
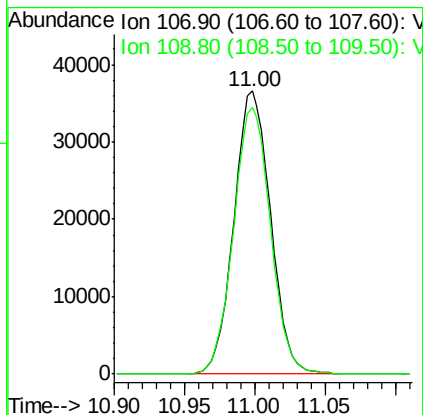
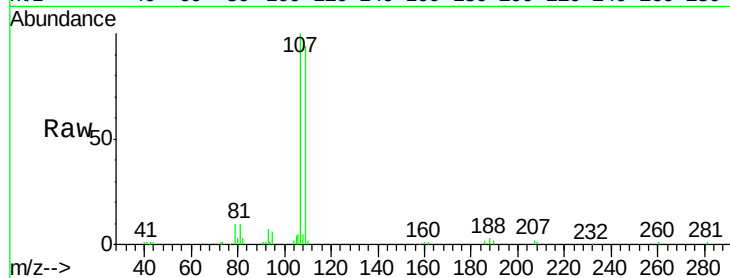
VN1212MBS01

Tgt Ion: 107 Resp: 66677

Ion Ratio Lower Upper

107 100

109 95.1 76.1 114.1



#62

4-Bromofluorobenzene

Concen: 51.280 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

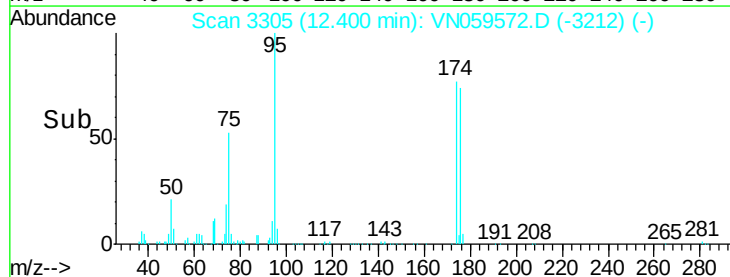
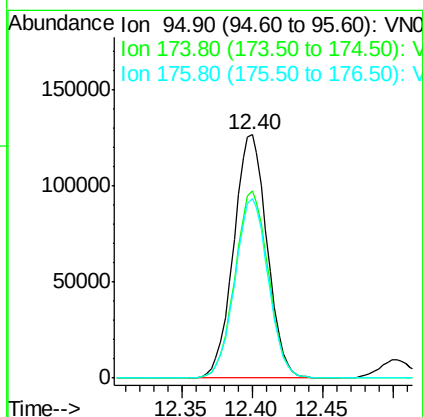
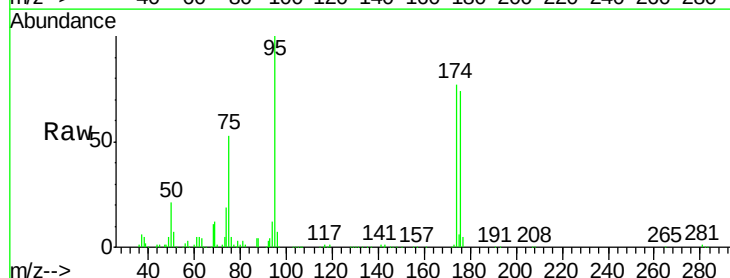
Tgt Ion: 95 Resp: 211035

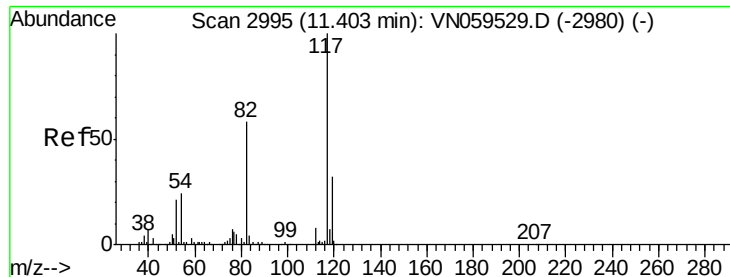
Ion Ratio Lower Upper

95 100

174 76.7 0.0 158.0

176 73.7 0.0 155.4

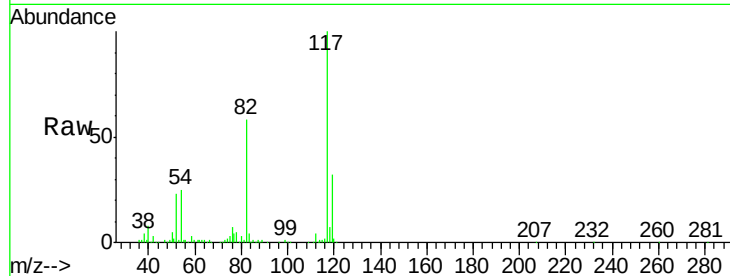




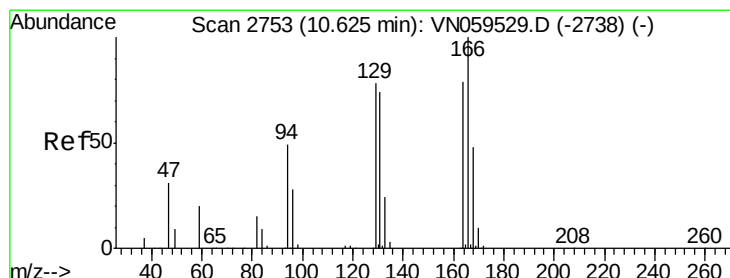
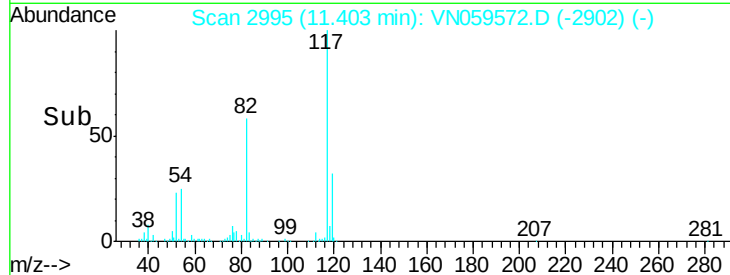
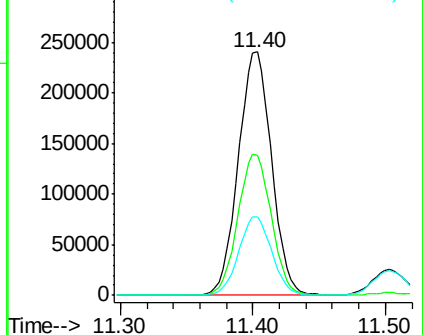
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tgt Ion:117 Resp: 419470
Ion Ratio Lower Upper
117 100
82 57.5 46.5 69.7
119 32.2 25.2 37.8

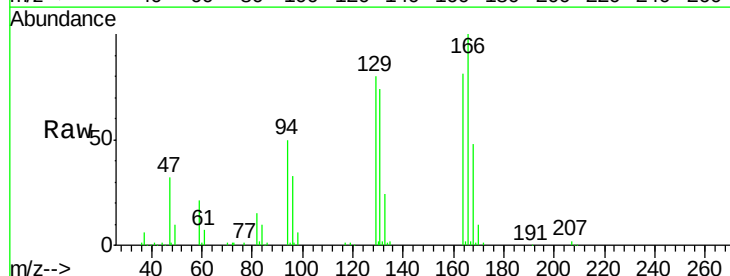


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

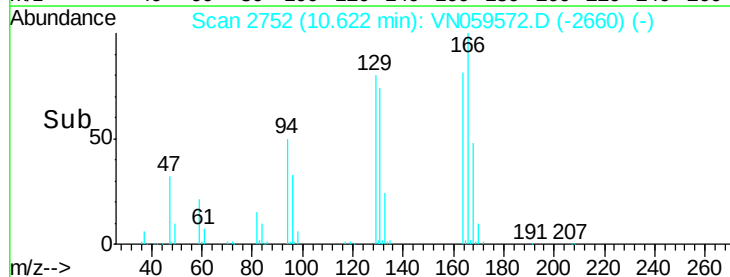
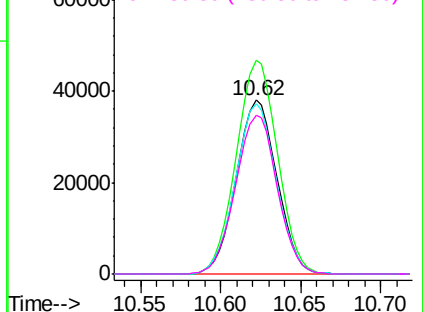


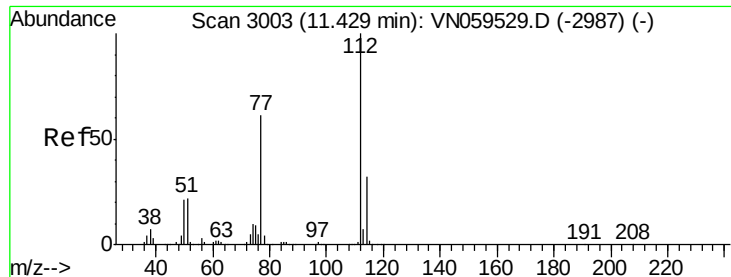
#64
Tetrachloroethene
Concen: 21.503 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion:164 Resp: 65923
Ion Ratio Lower Upper
164 100
166 123.1 101.6 152.4
129 98.3 79.0 118.6
131 91.5 74.7 112.1



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

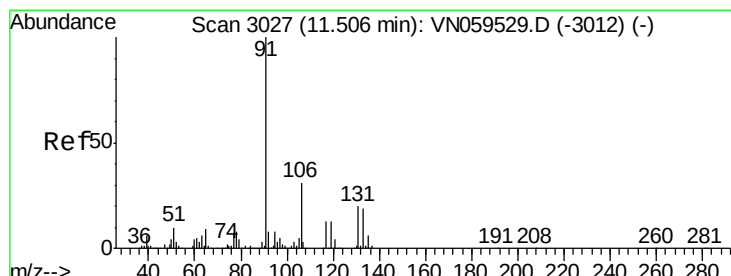
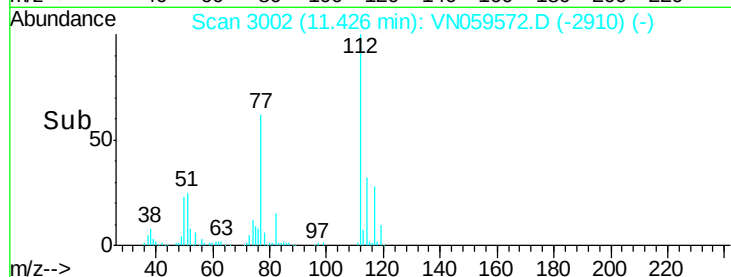
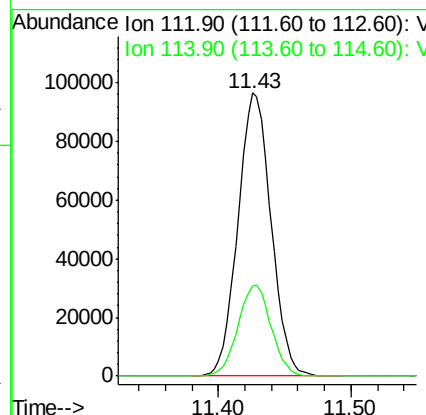
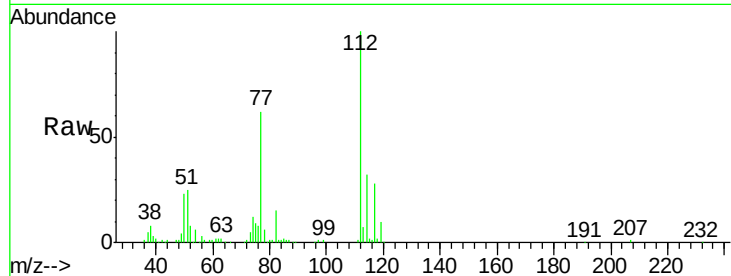




#65
Chlorobenzene
Concen: 19.047 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

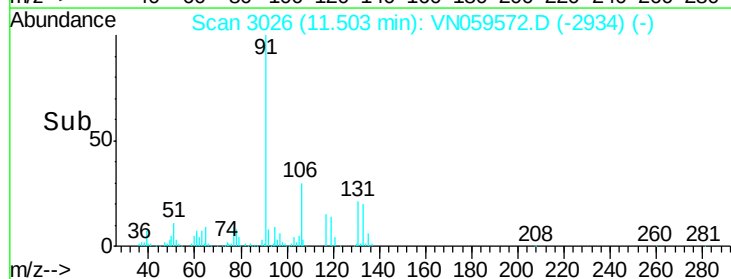
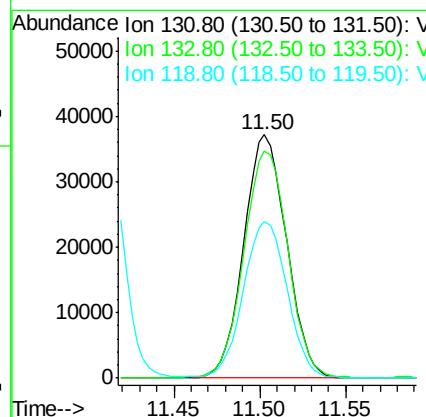
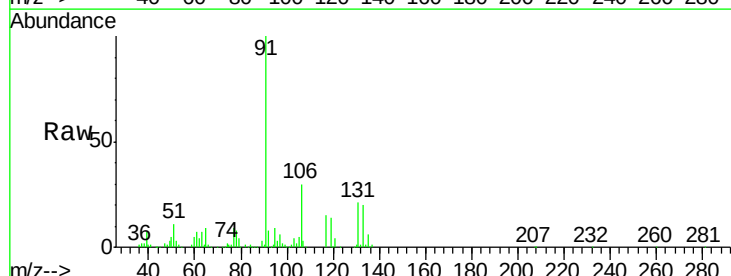
Instrument :
MSVOA_N
ClientSampled :
VN1212MBS01

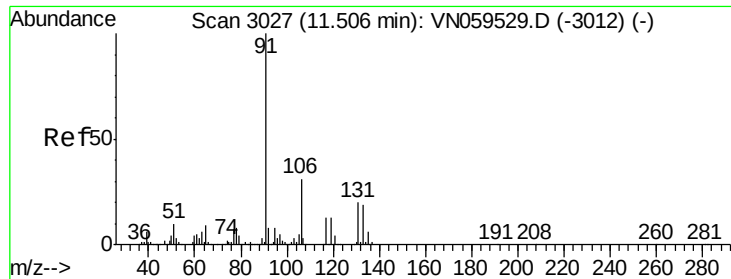
Tgt Ion:112 Resp: 167406
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.658 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion:131 Resp: 64441
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 65.9 33.4 100.2





#67

Ethyl Benzene

Concen: 19.213 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

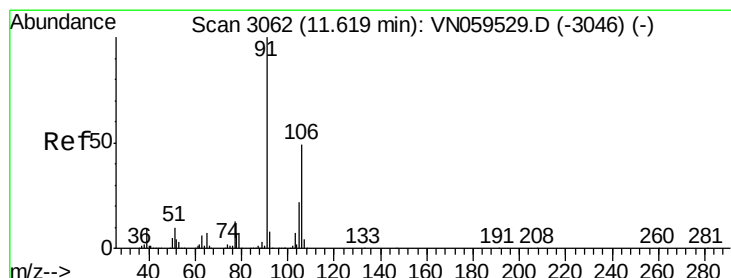
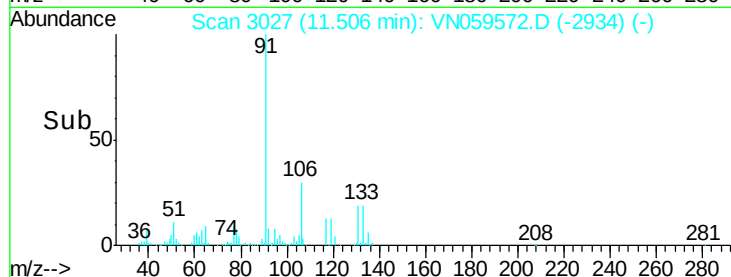
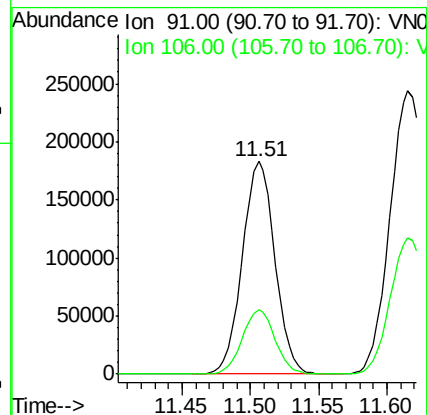
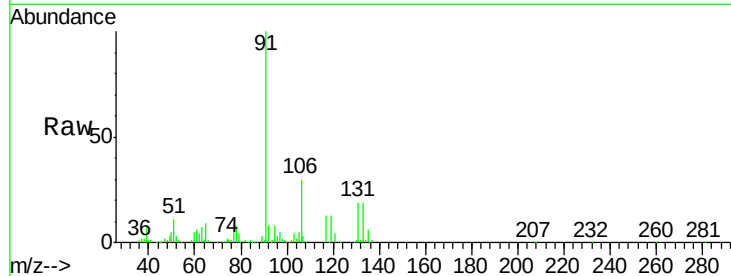
VN1212MBS01

Tgt Ion: 91 Resp: 303883

Ion Ratio Lower Upper

91 100

106 30.1 24.5 36.7



#68

m/p-Xylenes

Concen: 37.568 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059572.D

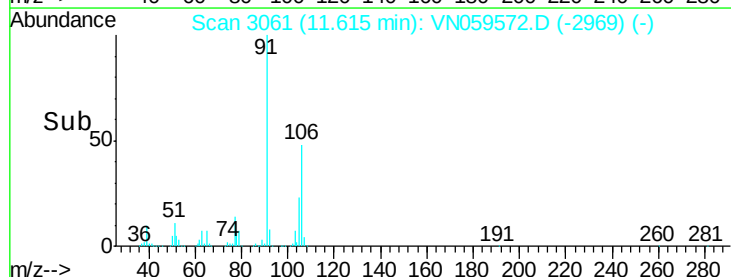
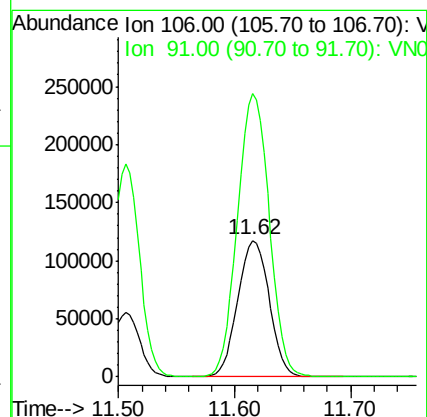
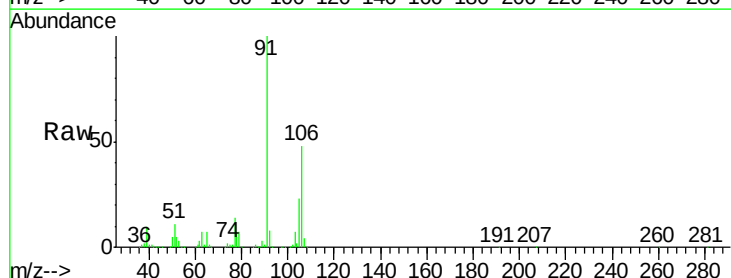
Acq: 12 Dec 2019 14:27

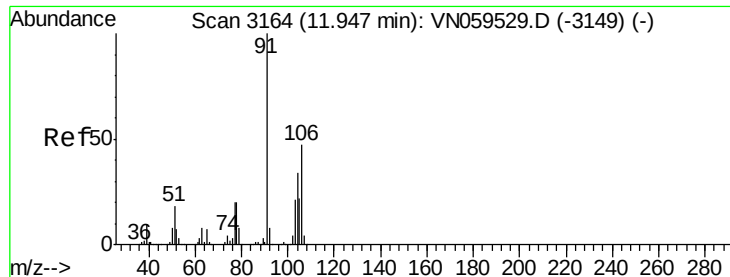
Tgt Ion: 106 Resp: 222899

Ion Ratio Lower Upper

106 100

91 207.8 162.9 244.3

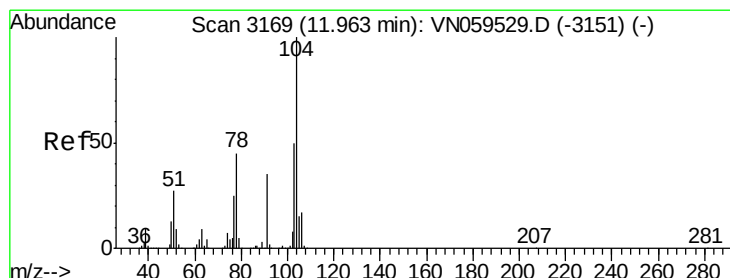
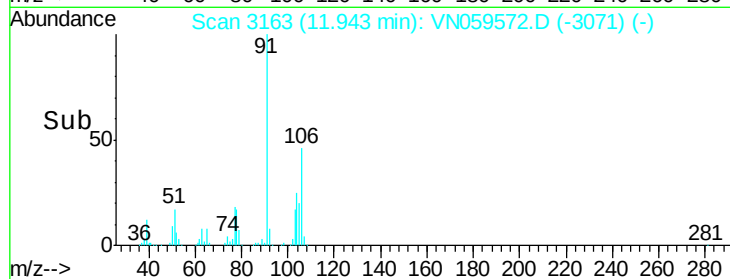
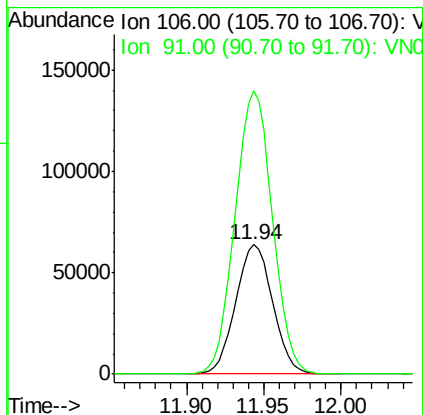
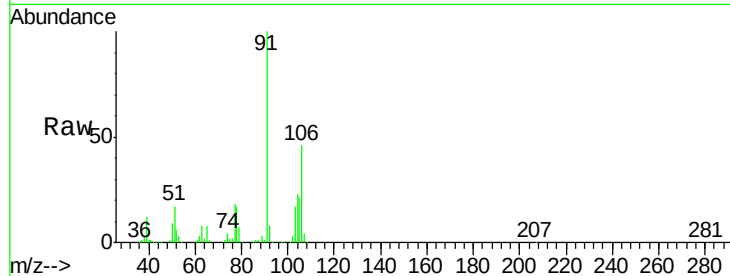




#69
o-Xylene
Concen: 19.256 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

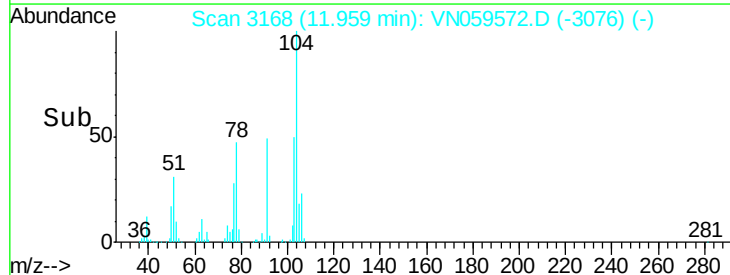
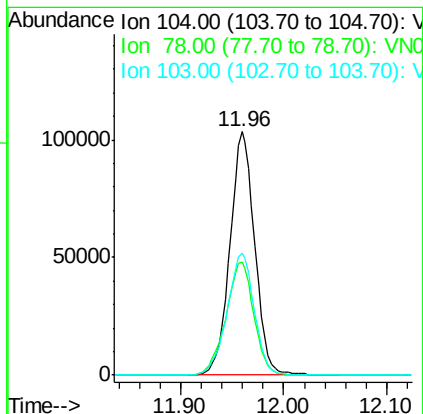
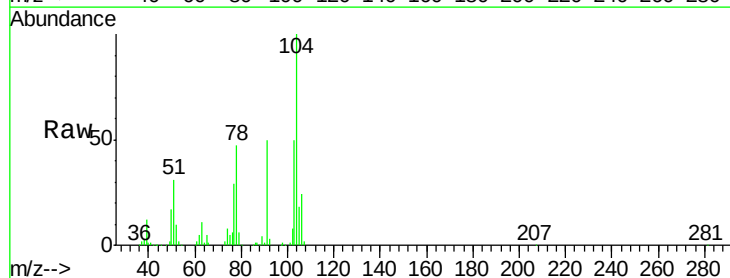
Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

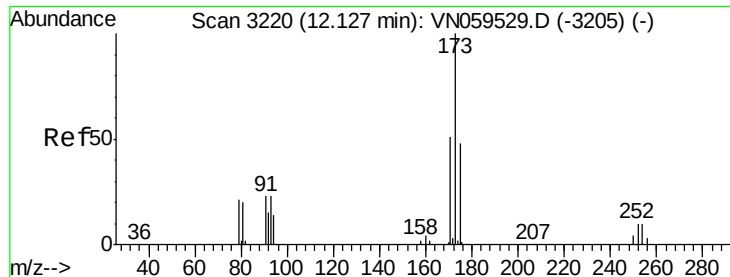
Tgt Ion:106 Resp: 106337
Ion Ratio Lower Upper
106 100
91 221.1 106.7 319.9



#70
Styrene
Concen: 18.948 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion:104 Resp: 173353
Ion Ratio Lower Upper
104 100
78 52.3 40.6 60.8
103 55.0 43.9 65.9





#71

Bromoform

Concen: 19.006 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

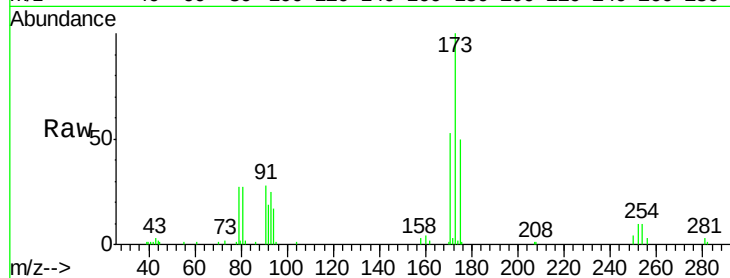
Tgt Ion:173 Resp: 49022

Ion Ratio Lower Upper

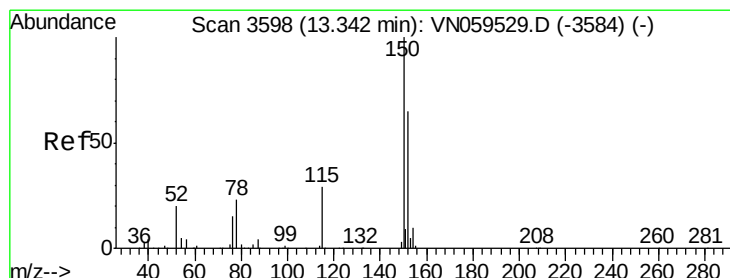
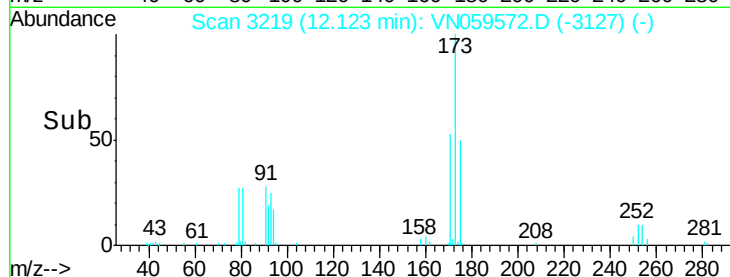
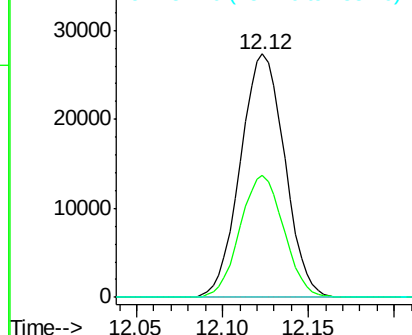
173 100

175 49.4 24.1 72.4

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: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

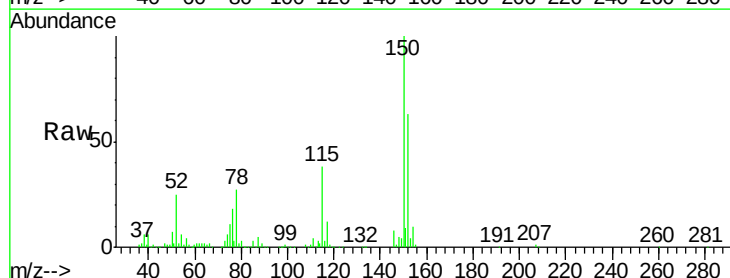
Tgt Ion:152 Resp: 197367

Ion Ratio Lower Upper

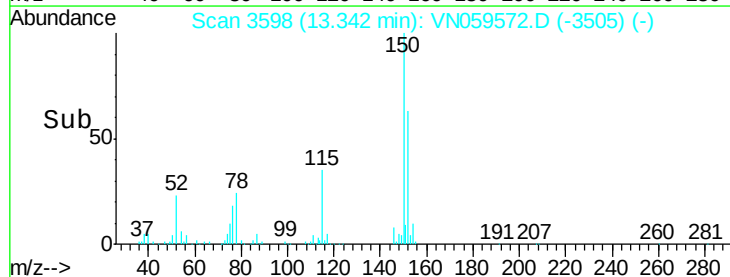
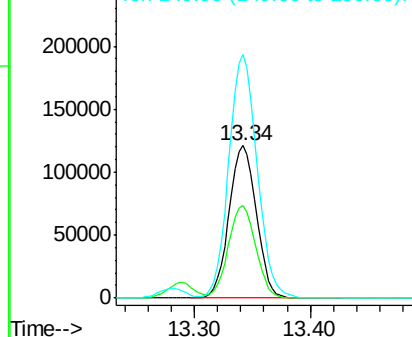
152 100

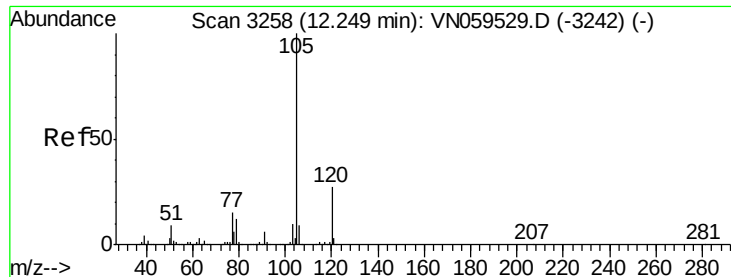
115 60.9 29.4 88.2

150 165.5 0.0 342.4



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





#73

Isopropylbenzene

Concen: 19.463 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

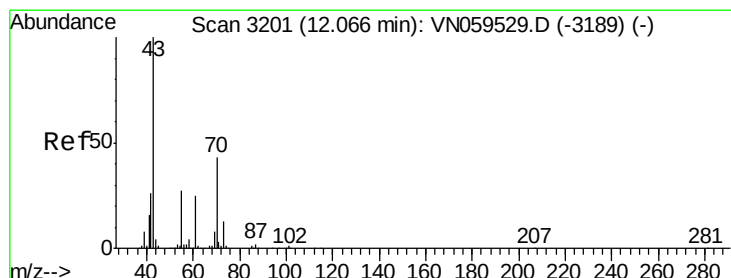
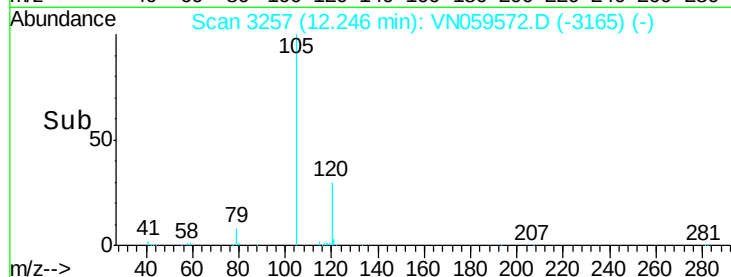
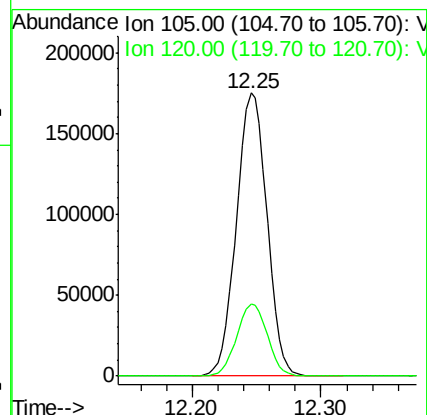
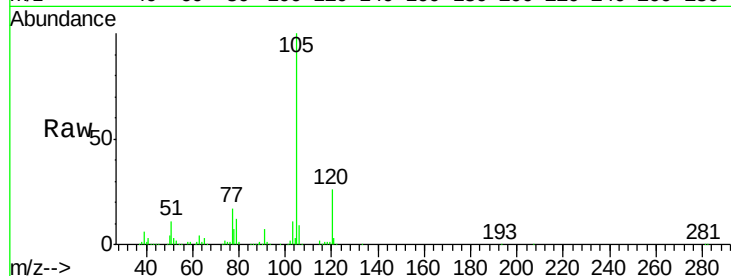
VN1212MBS01

Tgt Ion: 105 Resp: 288146

Ion Ratio Lower Upper

105 100

120 25.5 13.2 39.5



#74

N-ethyl acetate

Concen: 19.949 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Tgt Ion: 43 Resp: 128648

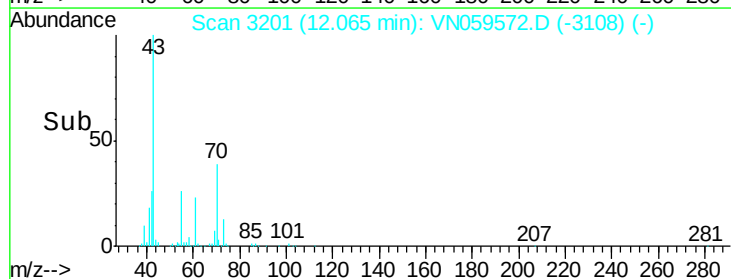
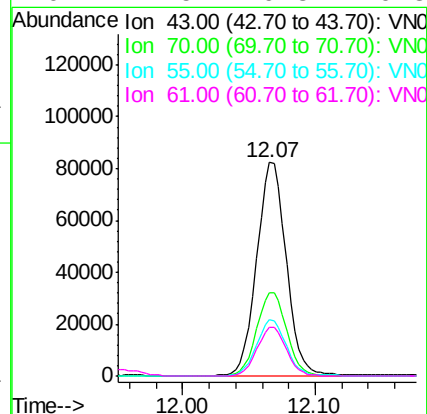
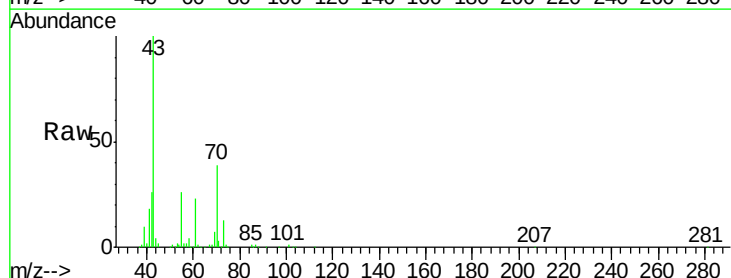
Ion Ratio Lower Upper

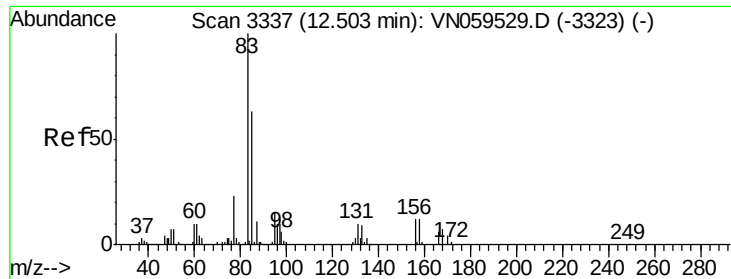
43 100

70 39.8 34.2 51.4

55 26.5 21.3 31.9

61 22.5 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.722 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

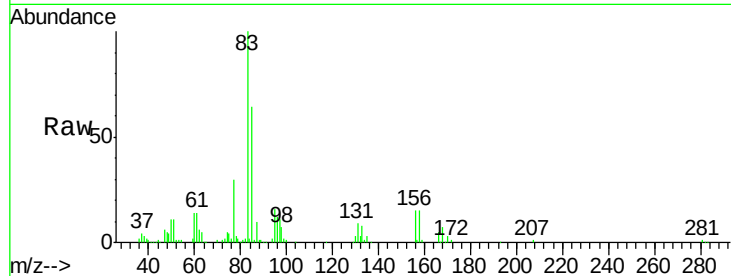
Tgt Ion: 83 Resp: 93922

Ion Ratio Lower Upper

83 100

131 9.3 5.0 14.9

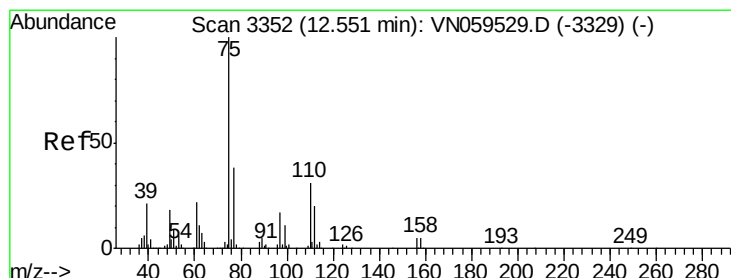
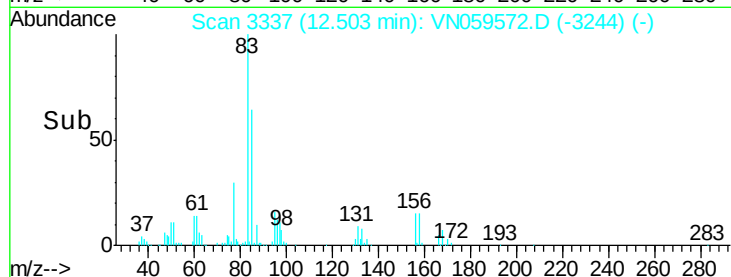
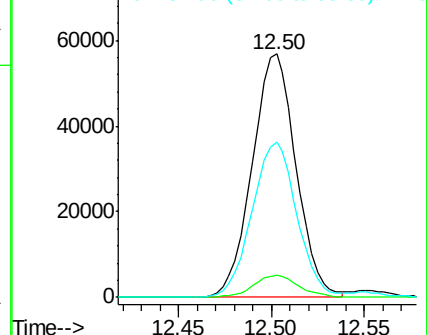
85 65.0 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN059572.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN059572.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN059572.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 26.627 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059572.D

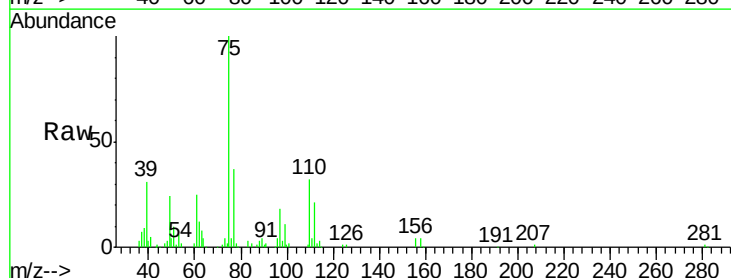
Acq: 12 Dec 2019 14:27

Tgt Ion: 75 Resp: 134390

Ion Ratio Lower Upper

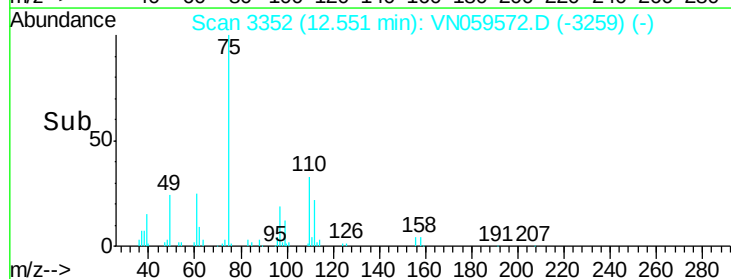
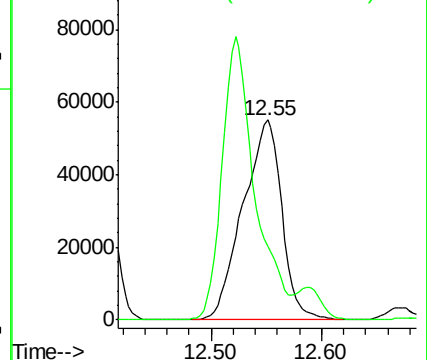
75 100

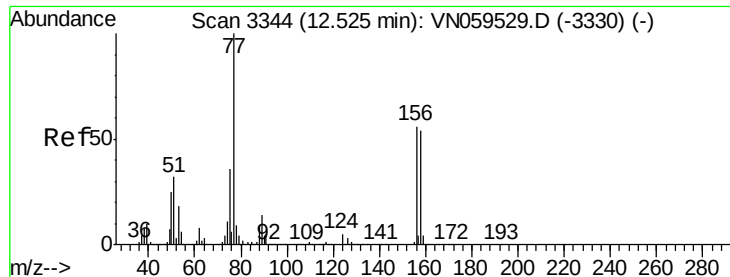
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059572.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN059572.D (-3329) (-)





#77

Bromobenzene

Concen: 18.716 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampled :

VN1212MBS01

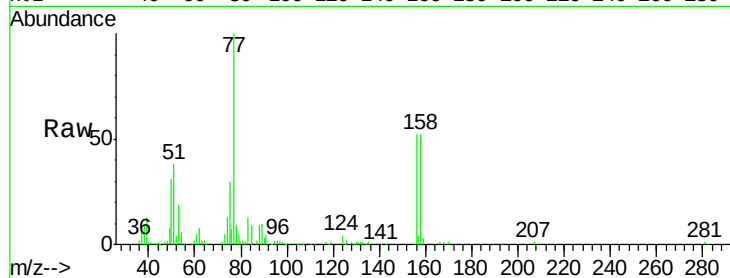
Tgt Ion:156 Resp: 68980

Ion Ratio Lower Upper

156 100

77 233.2 109.3 327.8

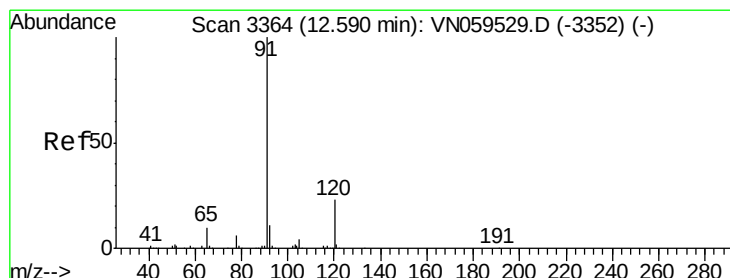
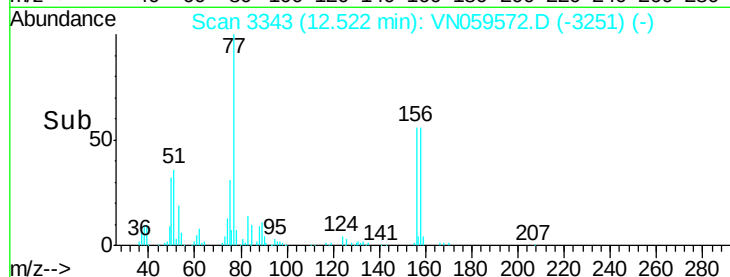
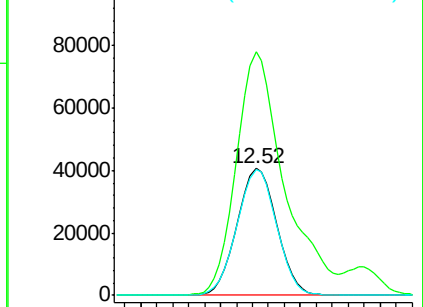
158 98.9 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.836 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059572.D

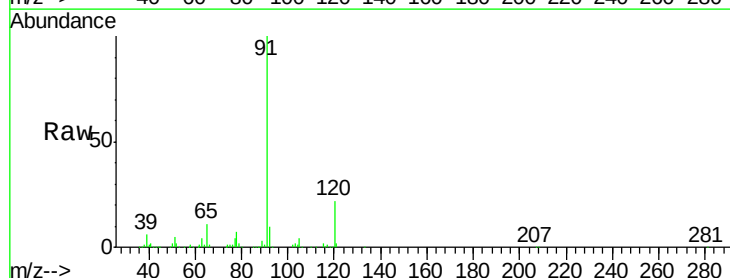
Acq: 12 Dec 2019 14:27

Tgt Ion: 91 Resp: 342675

Ion Ratio Lower Upper

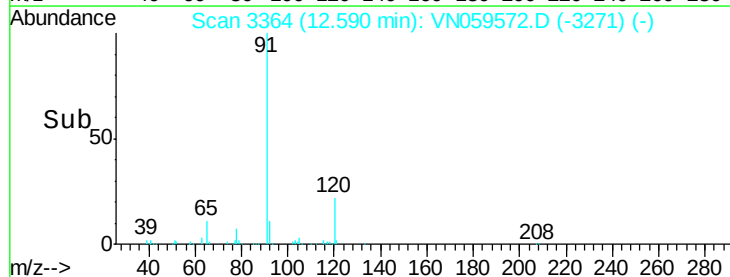
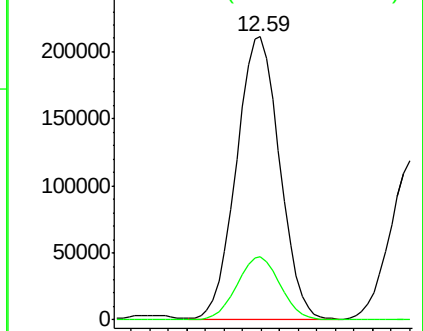
91 100

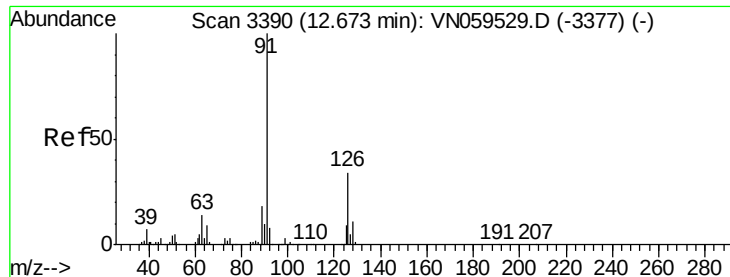
120 22.1 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.550 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

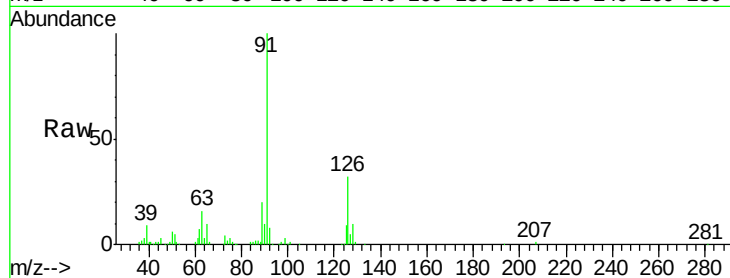
VN1212MBS01

Tgt Ion: 91 Resp: 201230

Ion Ratio Lower Upper

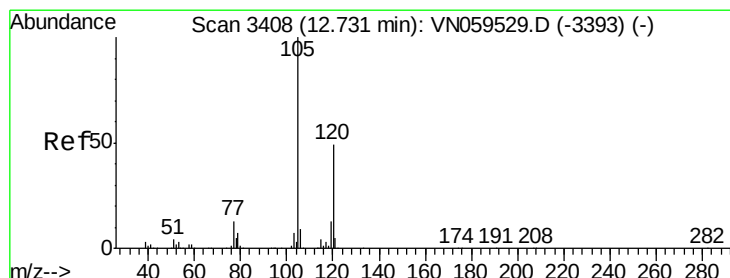
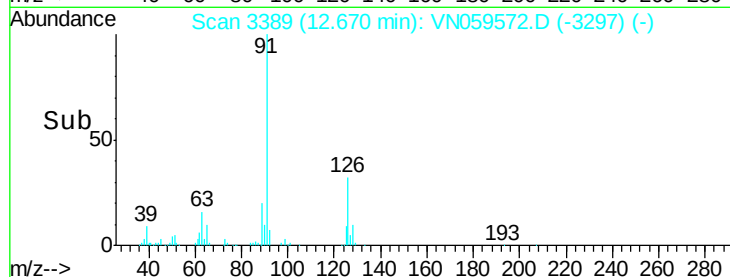
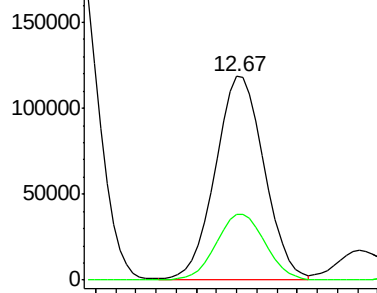
91 100

126 32.7 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN059572.D (-3397) (-)

Ion 125.90 (125.60 to 126.60): VN059572.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.251 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059572.D

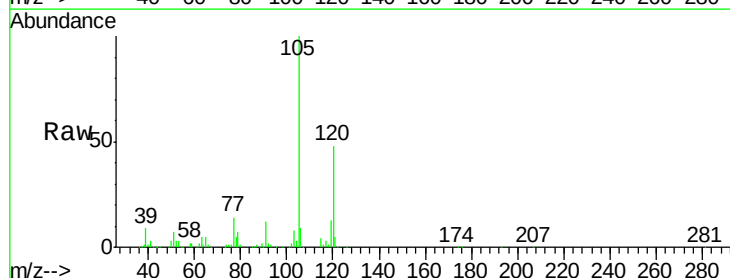
Acq: 12 Dec 2019 14:27

Tgt Ion: 105 Resp: 244399

Ion Ratio Lower Upper

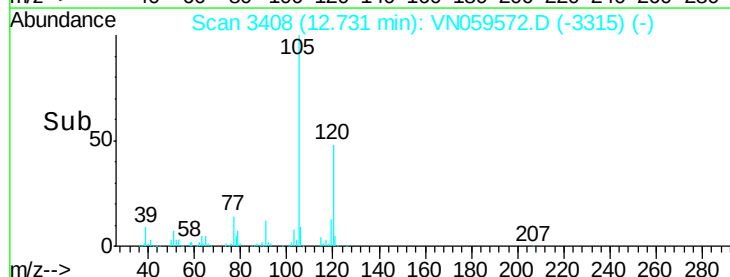
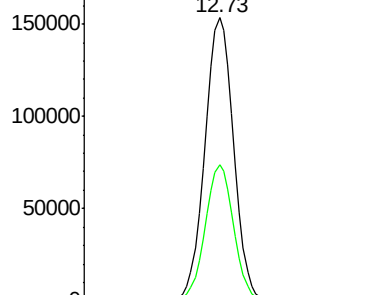
105 100

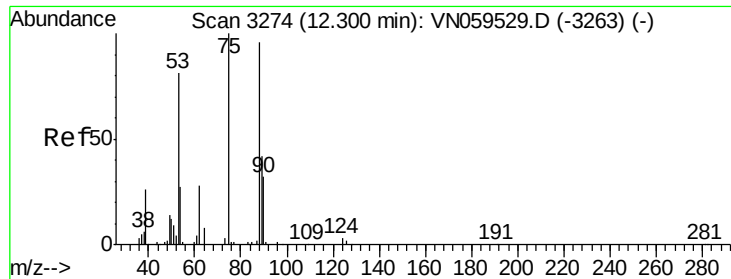
120 47.3 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059572.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN059572.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.326 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

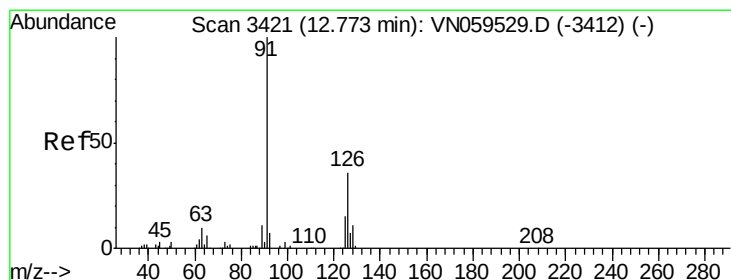
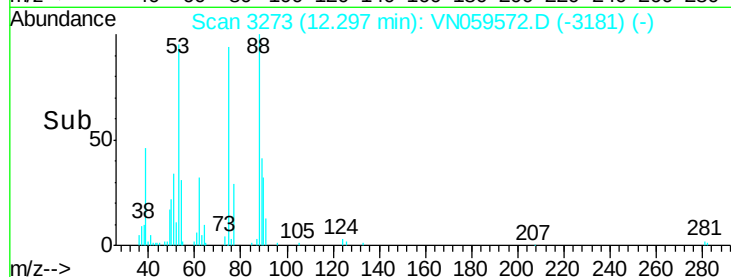
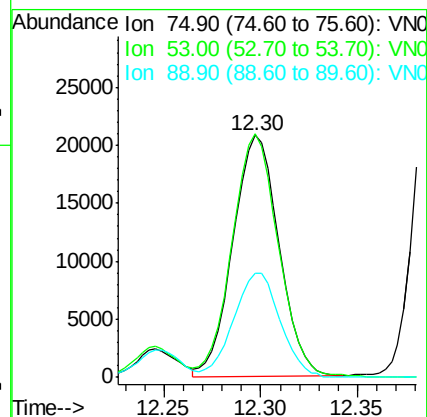
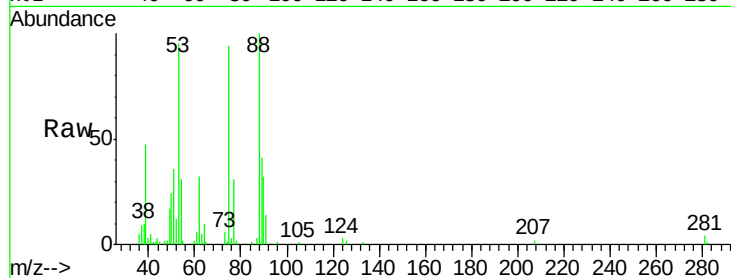
Tgt Ion: 75 Resp: 34379

Ion Ratio Lower Upper

75 100

53 101.9 67.0 100.6#

89 43.9 35.5 53.3



#82

4-Chlorotoluene

Concen: 19.069 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN059572.D

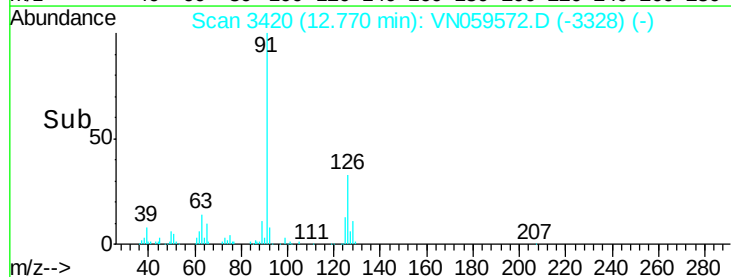
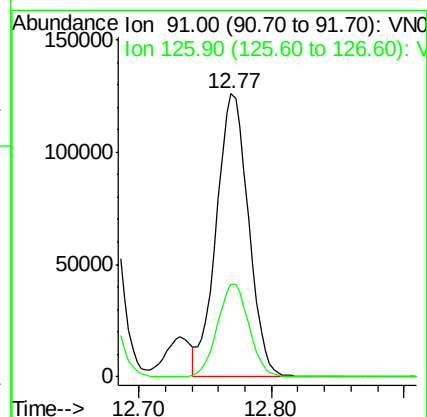
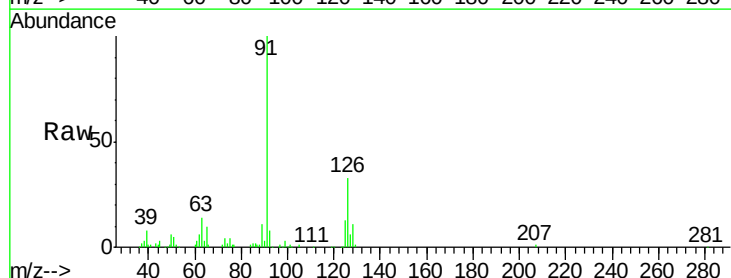
Acq: 12 Dec 2019 14:27

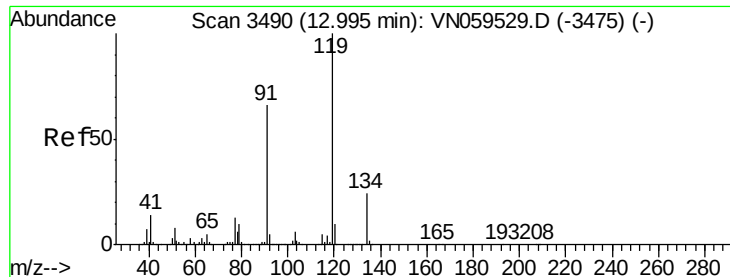
Tgt Ion: 91 Resp: 211515

Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.4





#83

tert-Butylbenzene

Concen: 18.960 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

VN1212MBS01

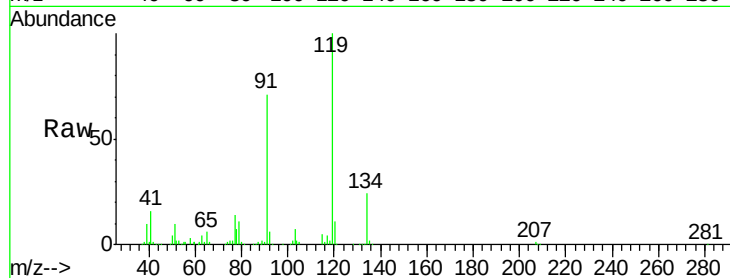
Tgt Ion:119 Resp: 200726

Ion Ratio Lower Upper

119 100

91 69.3 32.8 98.4

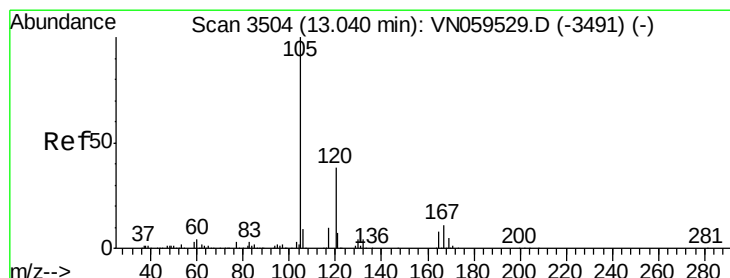
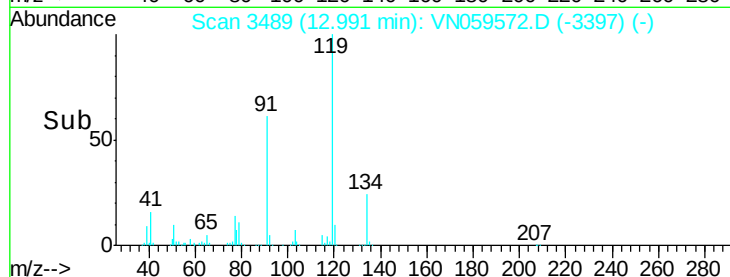
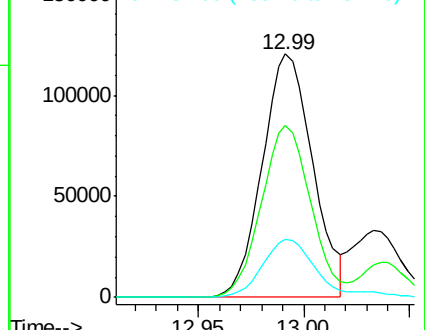
134 25.7 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.357 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN059572.D

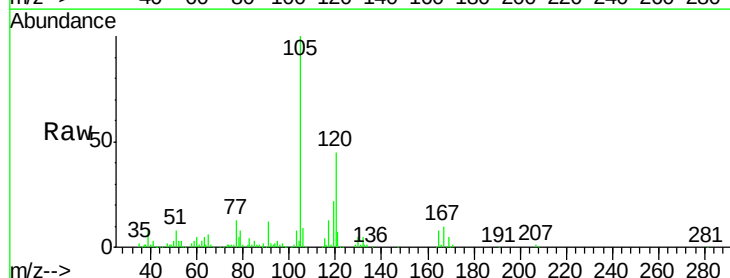
Acq: 12 Dec 2019 14:27

Tgt Ion:105 Resp: 242648

Ion Ratio Lower Upper

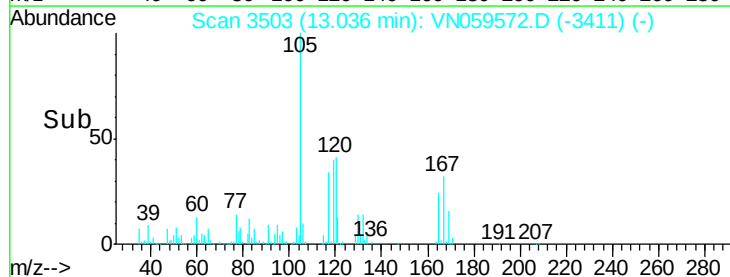
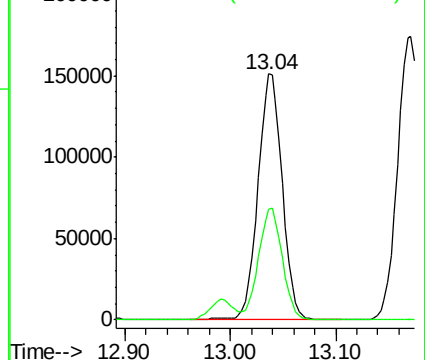
105 100

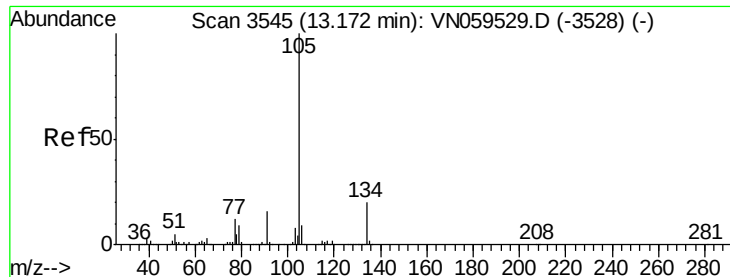
120 44.7 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.011 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

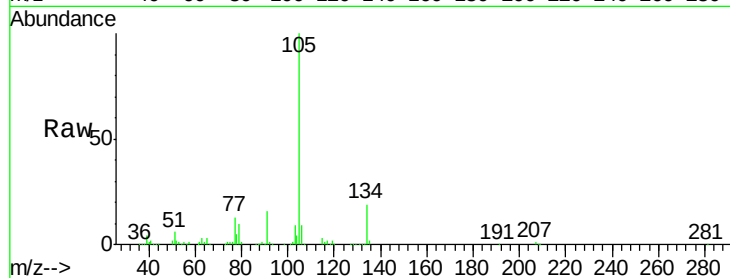
VN1212MBS01

Tgt Ion:105 Resp: 276444

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

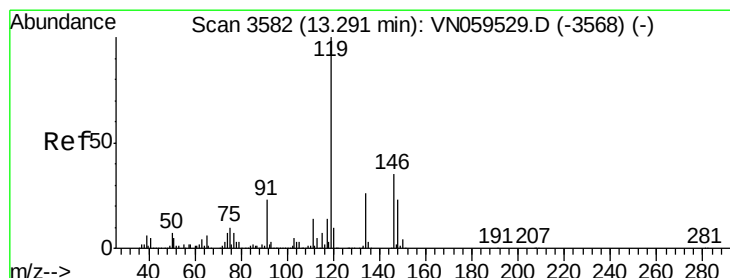
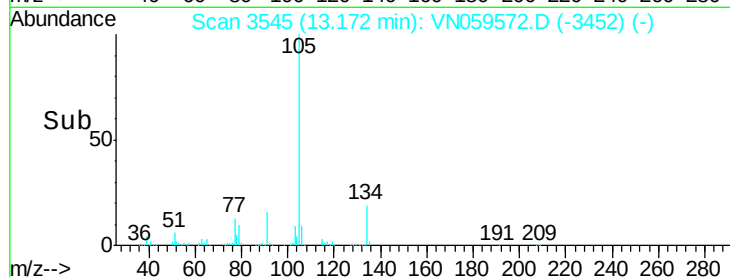
100000

50000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.436 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059572.D

Acq: 12 Dec 2019 14:27

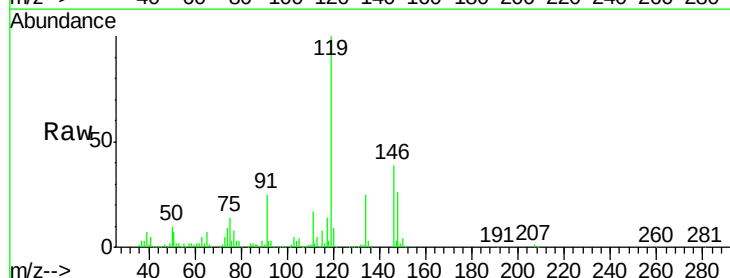
Tgt Ion:119 Resp: 252603

Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

91 25.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

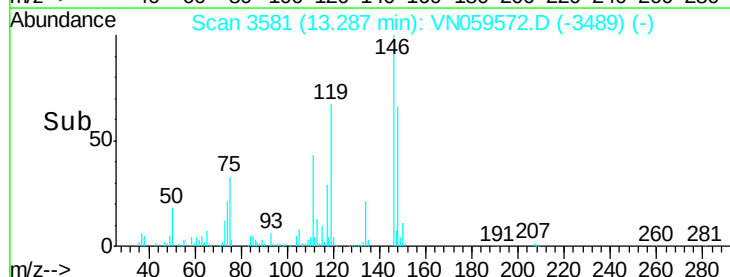
100000

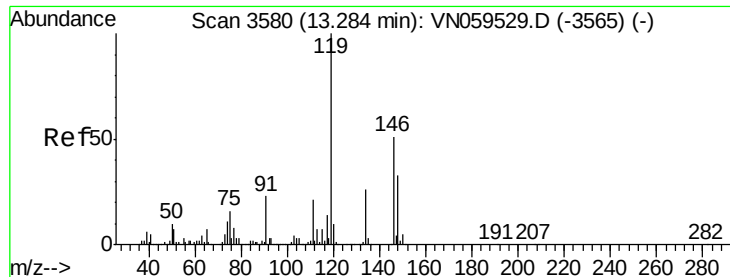
50000

0

13.20 13.25 13.30 13.35

Time-->

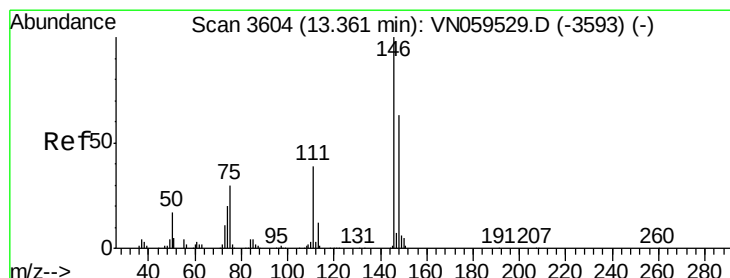
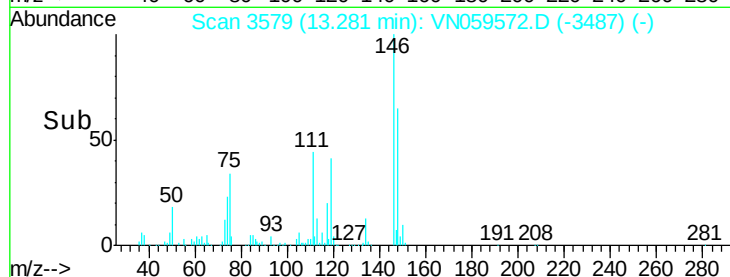
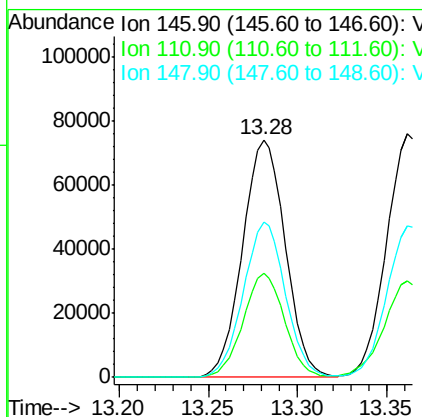
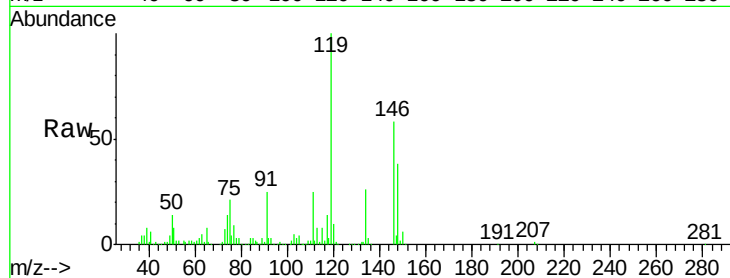




#87
 1,3-Dichlorobenzene
 Concen: 18.315 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

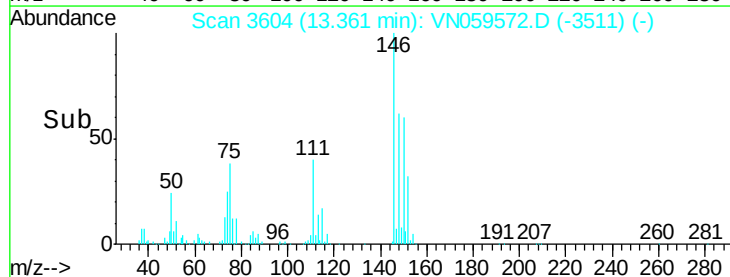
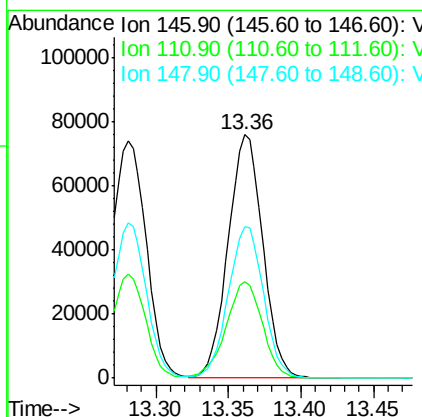
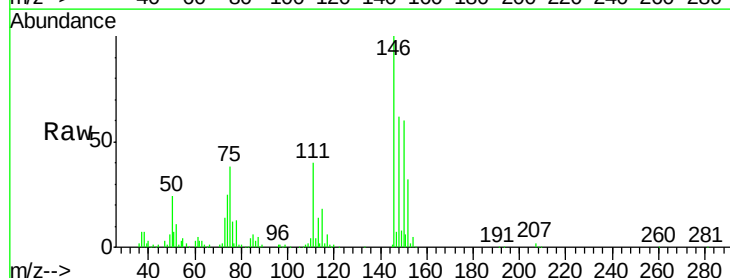
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

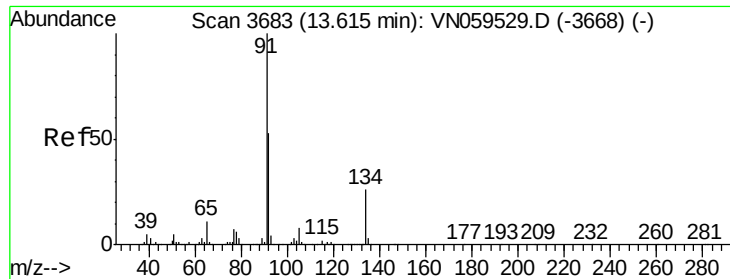
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.6	61.8
148	64.3	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 18.962 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.0	59.9
148	63.4	31.9	95.7

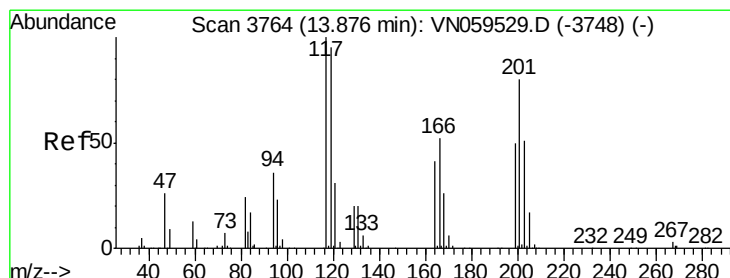
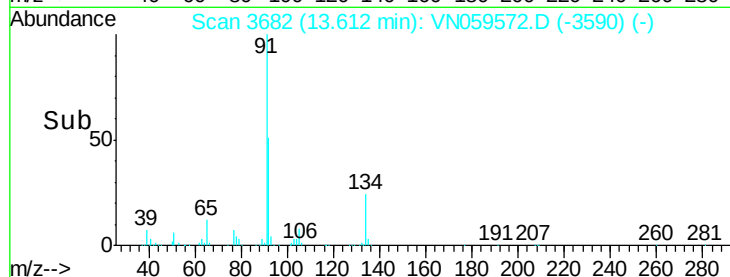
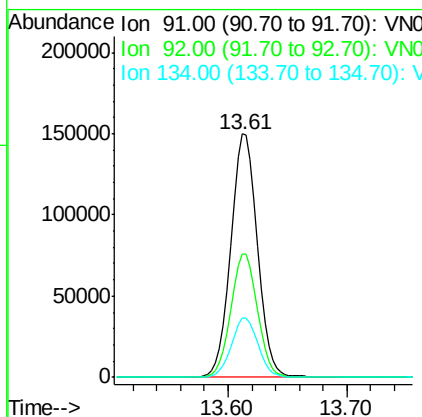
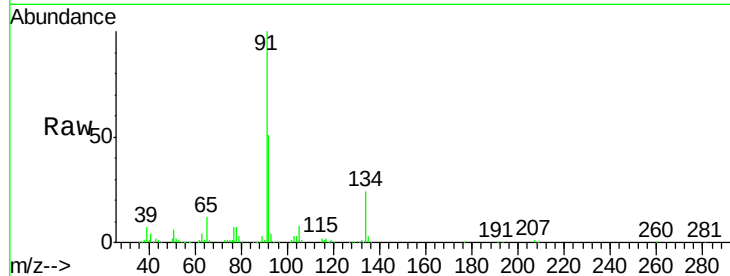




#89
n-Butylbenzene
Concen: 19.001 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

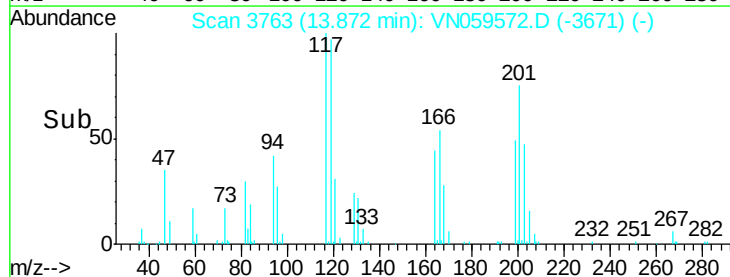
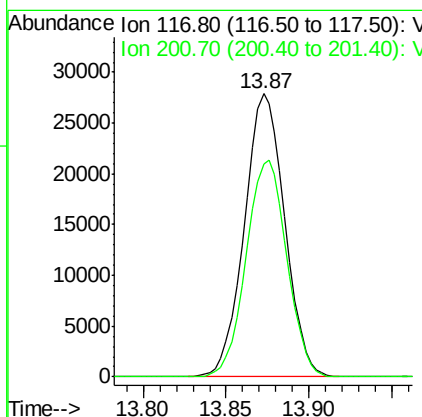
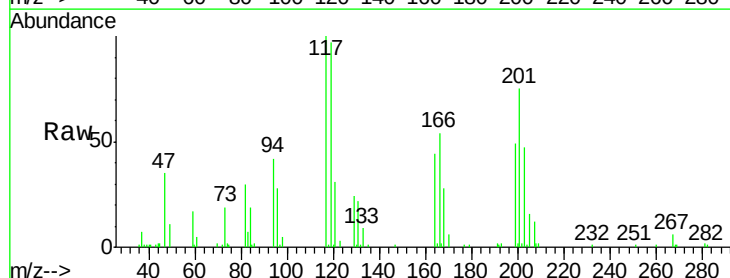
Instrument :
MSVOA_N
ClientSampled :
VN1212MBS01

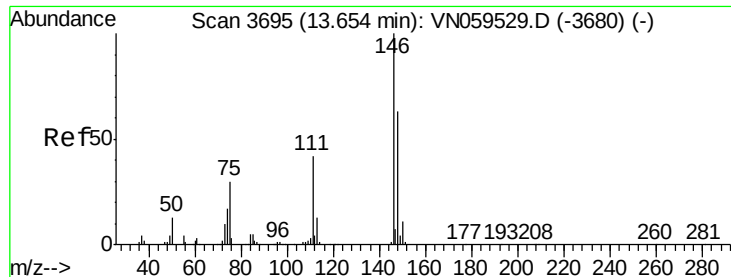
Tgt Ion: 91 Resp: 231873
Ion Ratio Lower Upper
91 100
92 50.8 26.3 78.9
134 24.6 12.8 38.4



#90
Hexachloroethane
Concen: 19.802 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion: 117 Resp: 47264
Ion Ratio Lower Upper
117 100
201 77.2 40.5 121.5

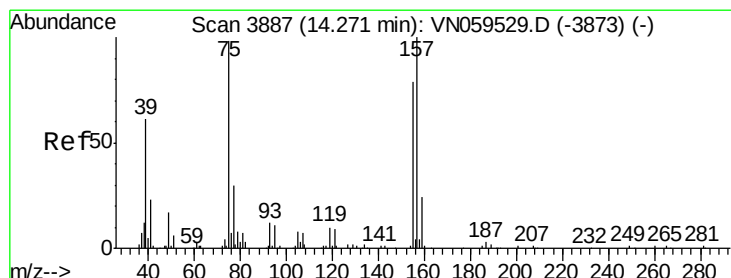
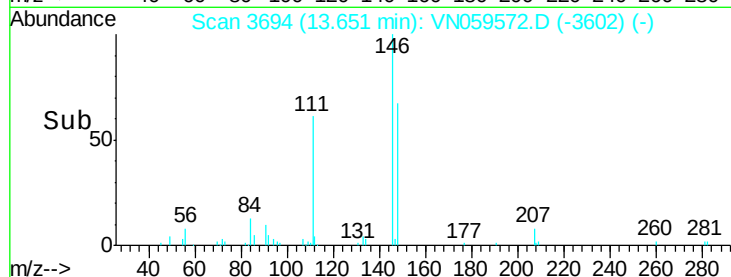
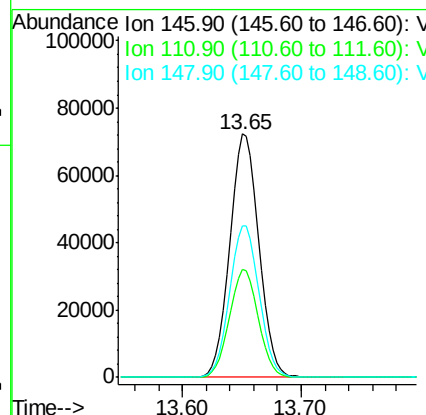
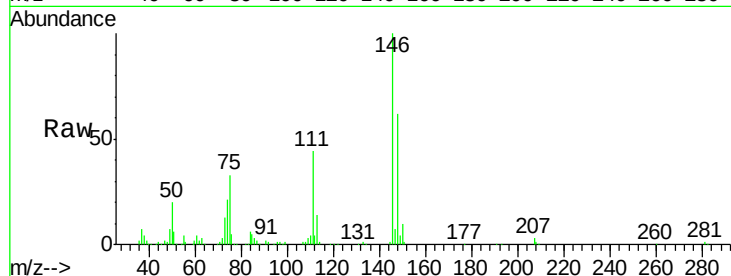




#91
 1,2-Dichlorobenzene
 Concen: 19.268 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

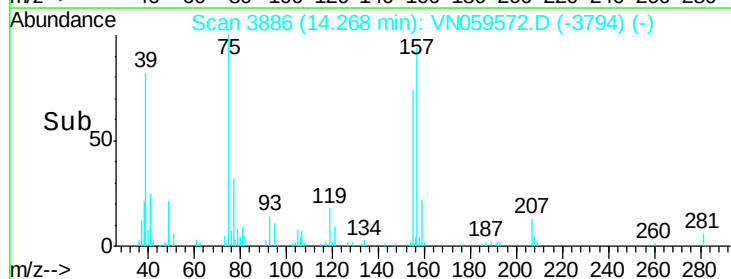
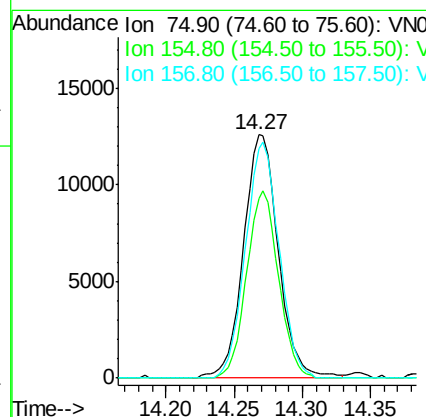
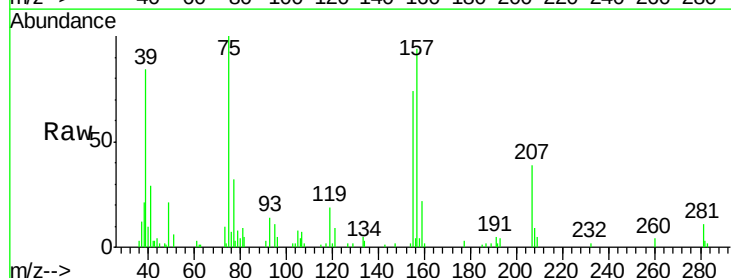
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

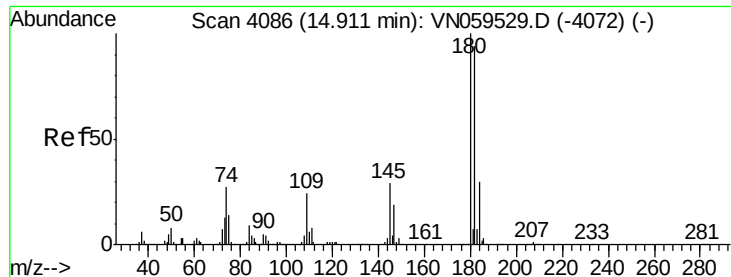
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.9	62.7
148	63.0	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.678 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.5	40.4	121.1
157	93.0	51.1	153.3

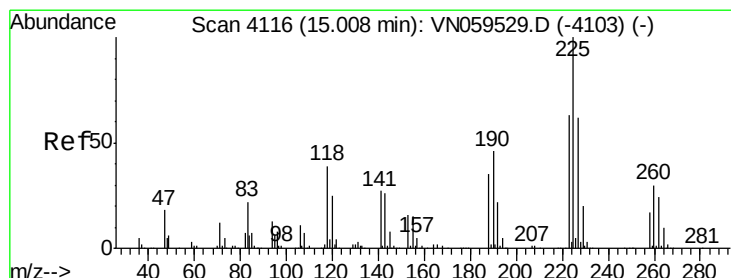
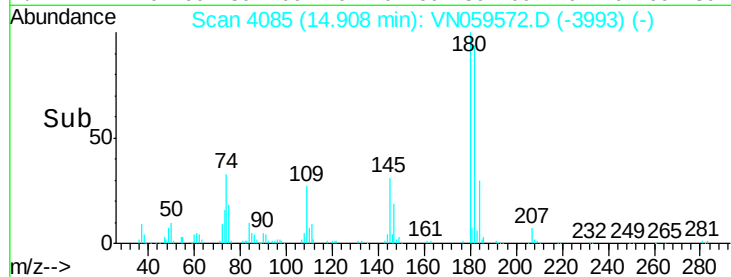
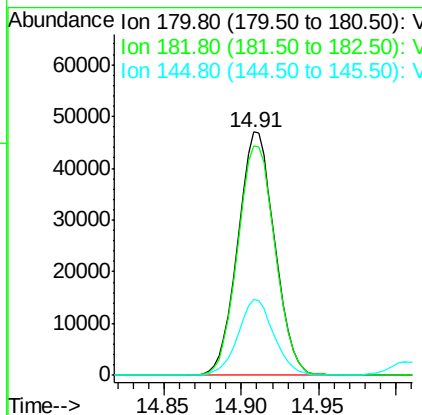
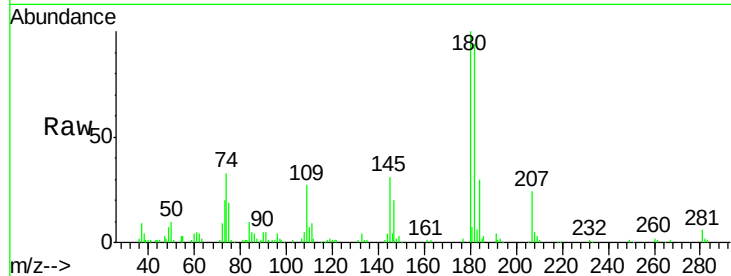




#93
 1,2,4-Trichlorobenzene
 Concen: 17.646 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

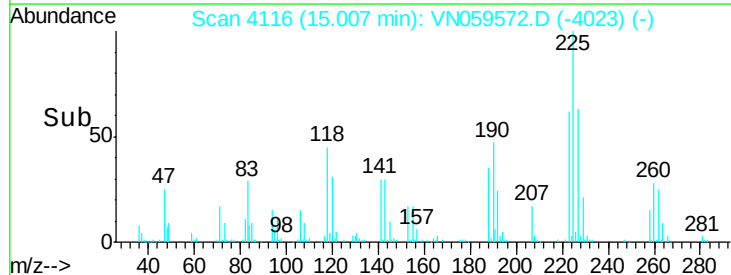
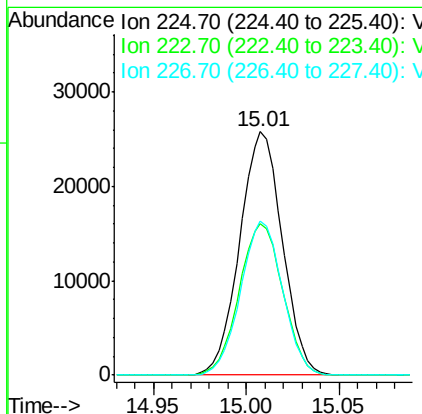
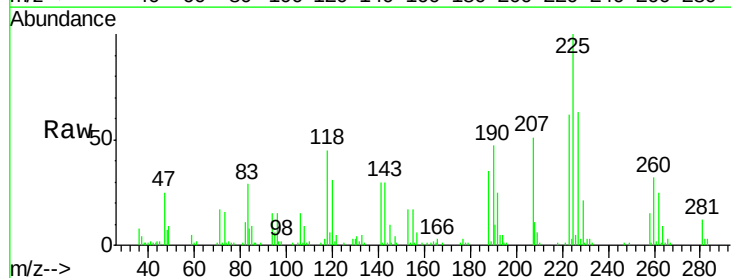
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212MBS01

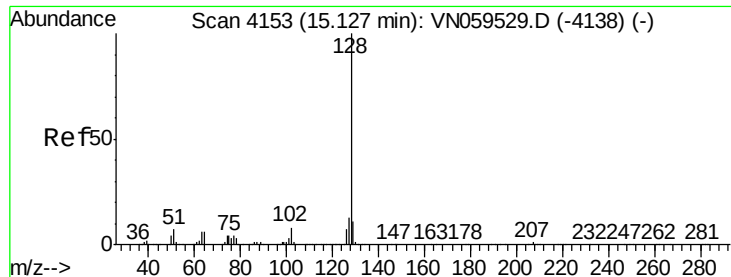
Tgt Ion:180 Resp: 77753
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.3 142.0
 145 30.5 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 18.272 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059572.D
 Acq: 12 Dec 2019 14:27

Tgt Ion:225 Resp: 41132
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.3 93.9
 227 62.1 31.6 95.0

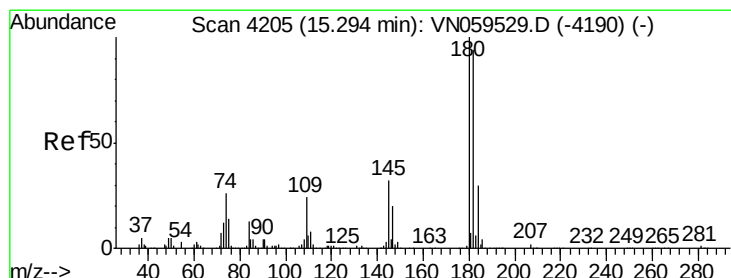
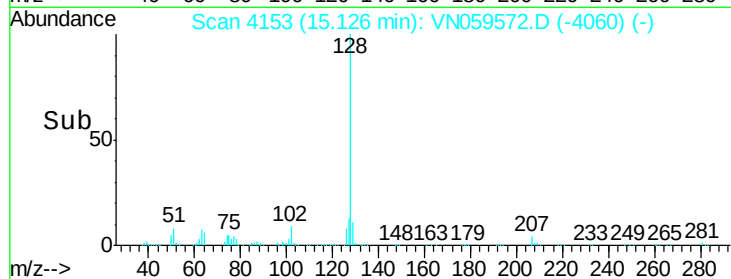
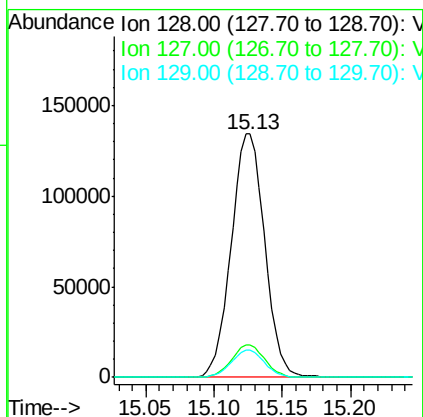
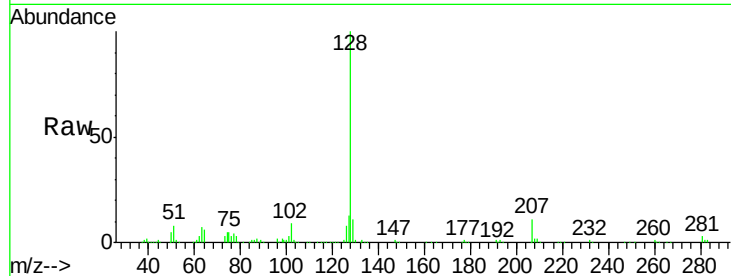




#95
Naphthalene
Concen: 17.759 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :
VN1212MBS01

Tgt Ion:128 Resp: 228740
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.663 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059572.D
Acq: 12 Dec 2019 14:27

Tgt Ion:180 Resp: 77799
Ion Ratio Lower Upper
180 100
182 95.3 47.1 141.4
145 32.7 15.8 47.4

