

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
 Data File : VN058681.D
 Acq On : 10 Oct 2019 21:52
 Operator : JC/SP
 Sample : VN1011WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Quant Time: Oct 11 08:41:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	68916	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	397757	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	349815	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	185340	31.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.63%
60) 4-Bromofluorobenzene	12.40	95	178072	29.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.00%
63) Toluene-d8	10.08	98	513538	31.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.63%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	78081	20.911 ug/l	96
3) Chloromethane	2.04	50	100058	20.061 ug/l	97
4) Vinyl Chloride	2.17	62	102890	19.959 ug/l	99
5) Bromomethane	2.50	94	35226	11.068 ug/l	99
6) Chloroethane	2.60	64	14187	4.378 ug/l	94
8) Diethyl Ether	3.38	74	52552	21.716 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	79613	21.685 ug/l	99
10) 1,1-Dichloroethene	3.69	96	75298	20.882 ug/l	100
11) Methyl Iodide	3.91	142	90413	18.004 ug/l	98
12) Methyl Acetate	4.30	43	117235	20.321 ug/l	99
13) Acrolein	3.58	56	58339	91.522 ug/l	100
14) Acrylonitrile	4.97	53	213269	93.821 ug/l #	89
15) Acetone	3.81	58	58700	86.994 ug/l	93
16) Carbon Disulfide	4.00	76	205433	19.533 ug/l	97
17) Allyl chloride	4.28	41	145600	20.287 ug/l	98
18) Methylene Chloride	4.52	84	91465	20.947 ug/l	96
19) trans-1,2-Dichloroethene	5.00	96	84849	21.615 ug/l	88
20) Diisopropyl ether	5.93	45	310563	21.239 ug/l	97
21) 1,1-Dichloroethane	5.81	63	173428	21.418 ug/l	100
22) cis-1,2-Dichloroethene	6.80	96	97483	20.828 ug/l	99
23) tert-Butyl Alcohol	4.71	59	732	0.787 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	283438	21.070 ug/l	100
25) Chloroform	7.35	83	170352	21.095 ug/l	92
26) Cyclohexane	7.63	56	149410	21.023 ug/l #	96
29) 1,1-Dichloropropene	7.77	75	126059	20.133 ug/l	99
30) 2-Butanone	6.82	43	272431	76.996 ug/l	99
31) 2,2-Dichloropropane	6.80	77	131618	17.835 ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	145895	20.146 ug/l	99
33) Carbon Tetrachloride	7.75	117	125123	19.961 ug/l	99
34) Benzene	8.02	78	371127	20.134 ug/l	99
35) Methacrylonitrile	7.19	41	179724	57.500 ug/l #	66
36) 1,2-Dichloroethane	8.11	62	143267	20.328 ug/l	100
37) Trichloroethene	8.82	130	91885	20.290 ug/l	99
38) Methylcyclohexane	9.07	83	143493	19.766 ug/l	99
39) 1,2-Dichloropropane	9.11	63	102391	20.326 ug/l	98
40) Dibromomethane	9.20	93	63314	19.909 ug/l	100
41) Bromodichloromethane	9.39	83	127828	19.676 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.87	43	1248783	100.776	ug/l	100
43) Ethyl Acetate	6.91	43	119080	17.147	ug/l	95
44) Isopropyl Acetate	8.15	43	211830	18.831	ug/l #	87
45) 1,4-Dioxane	9.20	88	12058	139.596	ug/l	96
46) Methyl methacrylate	9.19	41	93465	18.098	ug/l	99
47) n-amyl Acetate	12.08	43	173681	17.417	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	138055	18.323	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	149212	18.859	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	88880	19.578	ug/l	98
51) Ethyl methacrylate	10.43	69	127404	17.551	ug/l	99
52) 1,3-Dichloropropane	10.71	76	156179	19.318	ug/l	98
53) Dibromochloromethane	10.90	129	89300	18.329	ug/l	99
54) 1,2-Dibromoethane	11.00	107	90458	19.224	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	344683	95.455	ug/l	99
56) Bromoform	12.13	173	57536	16.953	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	586712	91.939	ug/l	100
59) 2-Hexanone	10.75	43	421728	84.296	ug/l	99
61) Tetrachloroethene	10.63	164	80640	21.333	ug/l	98
62) Toluene	10.15	91	395751	21.032	ug/l	99
64) Chlorobenzene	11.43	112	231561	20.128	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	84703	19.636	ug/l	98
66) Ethyl Benzene	11.51	91	424714	20.384	ug/l	100
67) m/p-Xylenes	11.62	106	309841	39.803	ug/l	97
68) o-Xylene	11.95	106	150378	19.927	ug/l	100
69) Styrene	11.97	104	235367	18.879	ug/l	98
70) Isopropylbenzene	12.25	105	407799	20.016	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	125299	18.268	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	166518	26.792	ug/l	64
73) Bromobenzene	12.53	156	93869	18.968	ug/l	99
74) n-propylbenzene	12.60	91	478780	20.076	ug/l	99
75) 2-Chlorotoluene	12.68	91	280816	19.571	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	344335	19.732	ug/l	99
77) t-1,4-Dichloro-2-butene	12.31	75	37475	15.828	ug/l	93
78) 4-Chlorotoluene	12.78	91	286403	19.367	ug/l	100
79) tert-butylbenzene	13.00	119	286871	19.242	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	336363	19.398	ug/l	100
81) sec-Butylbenzene	13.18	105	384570	19.167	ug/l	99
82) p-Isopropyltoluene	13.29	119	347605	19.293	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	170588	19.050	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	169599	18.961	ug/l	98
85) n-Butylbenzene	13.62	91	307312	18.630	ug/l	99
86) Hexachloroethane	13.88	117	60100	18.330	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	171970	19.453	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	27673	18.127	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	107530	19.264	ug/l	99
90) Hexachlorobutadiene	15.02	225	52038	18.053	ug/l	97
91) Naphthalene	15.13	128	319126	19.363	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	108347	19.940	ug/l	99

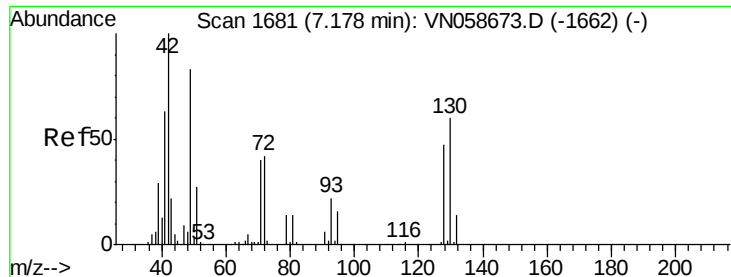
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

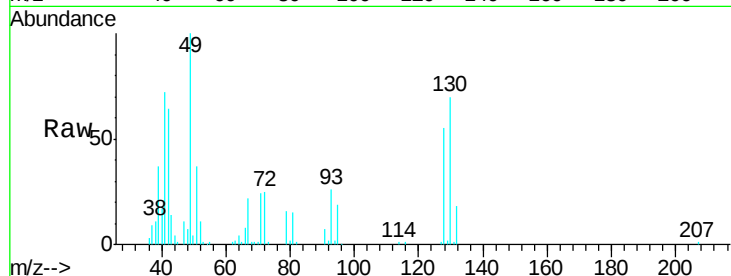
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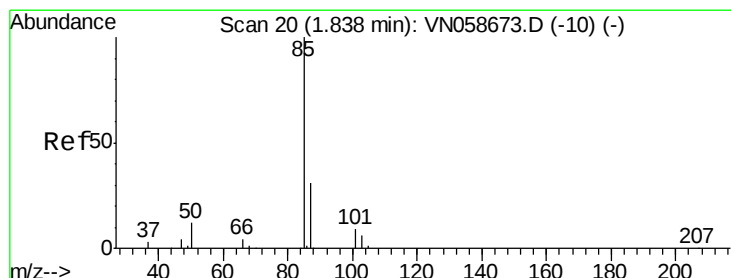
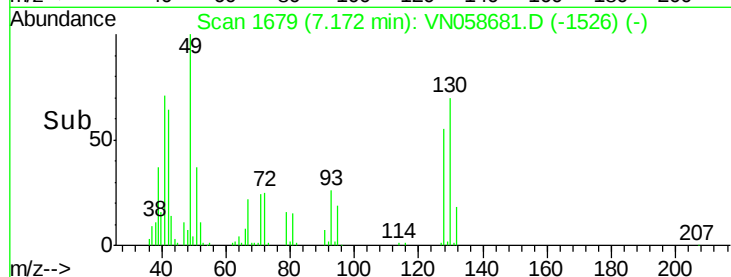
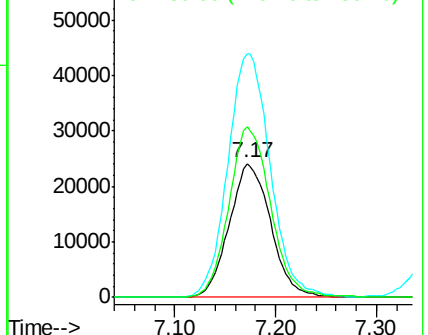
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

Tgt Ion:128 Resp: 68916
Ion Ratio Lower Upper
128 100
49 186.7 0.0 453.5
130 127.9 0.0 314.2

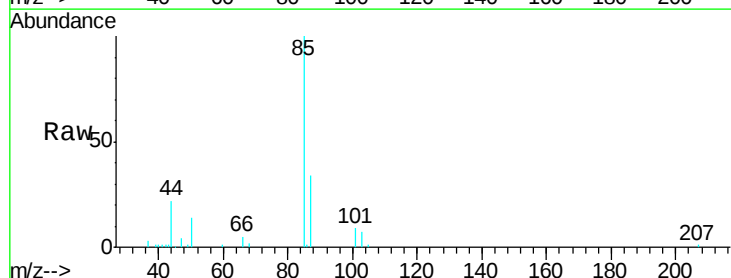


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

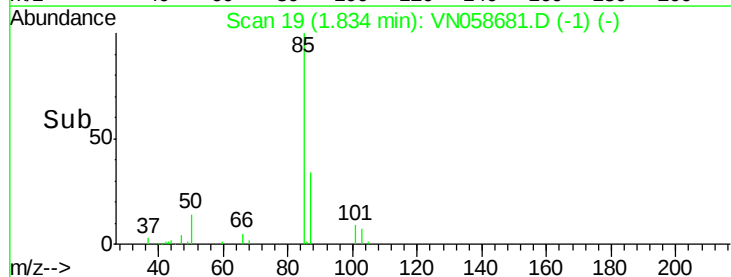
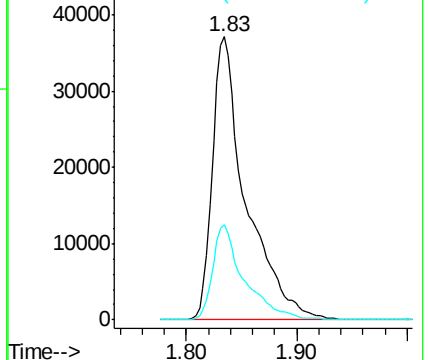


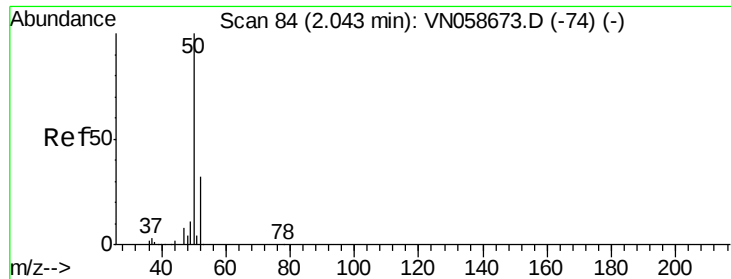
#2
Dichlorodifluoromethane
Concen: 20.911 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Tgt Ion: 85 Resp: 78081
Ion Ratio Lower Upper
85 100
87 33.6 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.061 ug/l

RT: 2.04 min Scan# 84

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

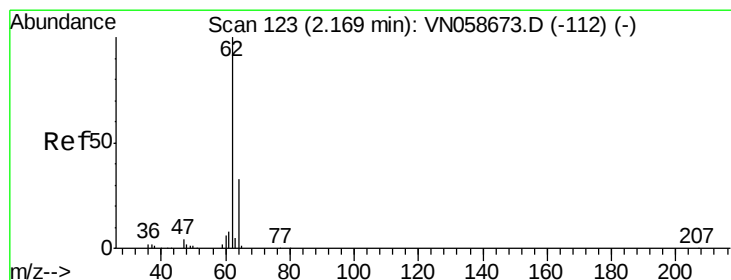
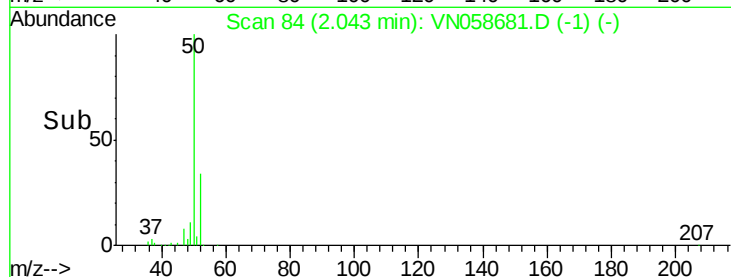
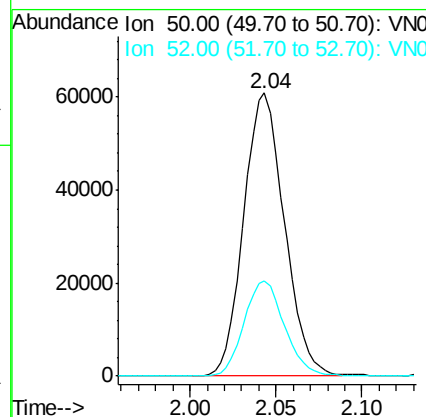
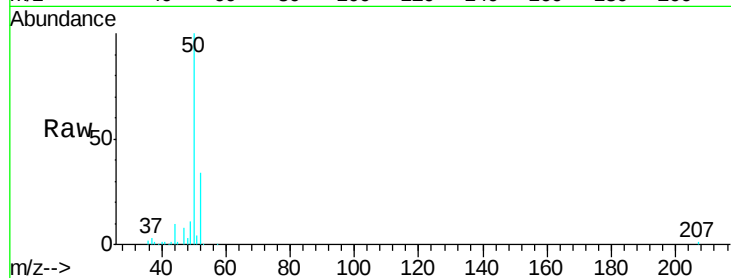
VN1011WBS01

Tgt Ion: 50 Resp: 100058

Ion Ratio Lower Upper

50 100

52 33.9 25.8 38.8



#4

Vinyl Chloride

Concen: 19.959 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058681.D

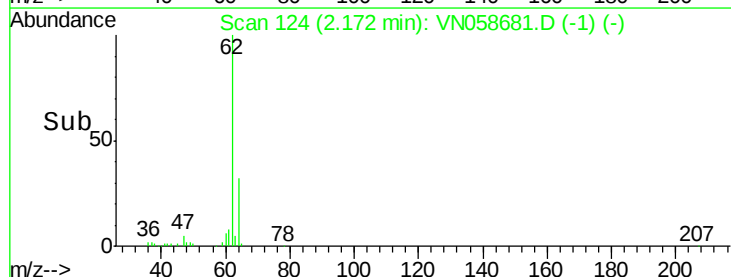
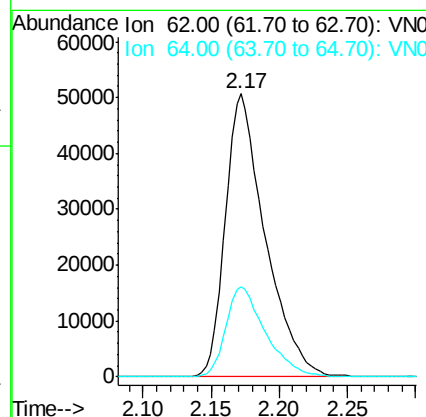
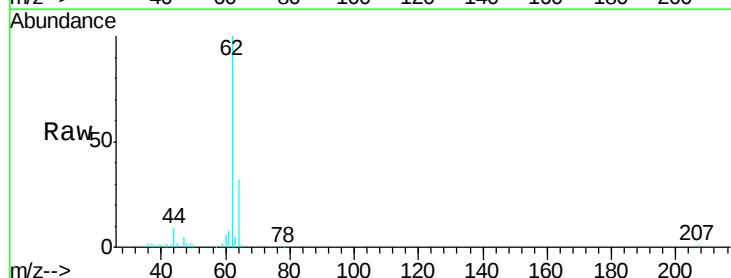
Acq: 10 Oct 2019 21:52

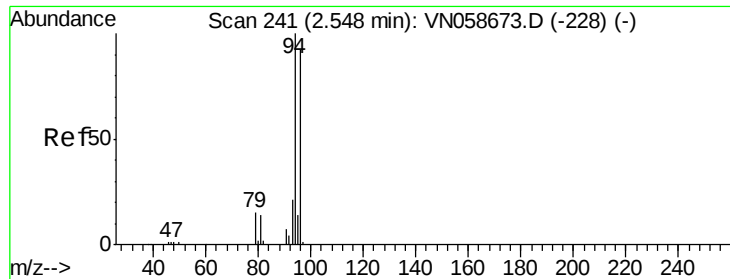
Tgt Ion: 62 Resp: 102890

Ion Ratio Lower Upper

62 100

64 32.1 26.1 39.1





#5

Bromomethane

Concen: 11.068 ug/l

RT: 2.50 min Scan# 225

Delta R.T. -0.05 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampled :

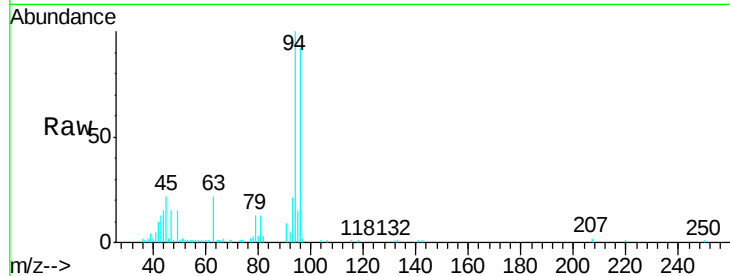
VN1011WBS01

Tgt Ion: 94 Resp: 35226

Ion Ratio Lower Upper

94 100

96 92.6 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

15000

10000

5000

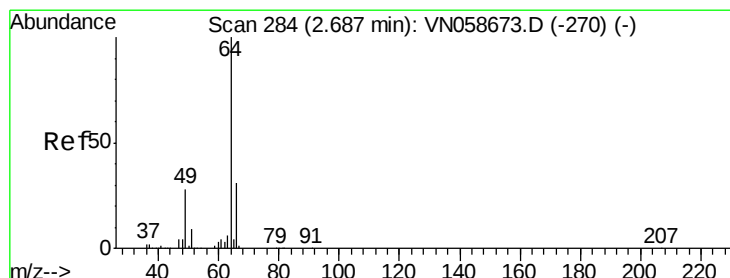
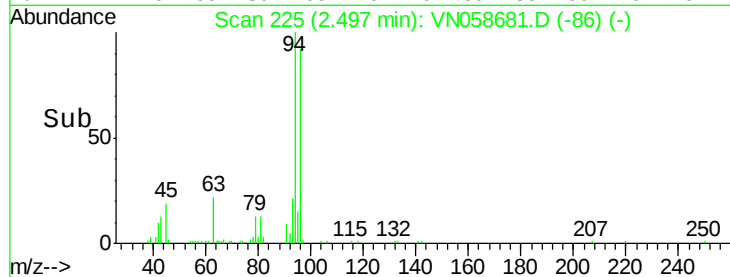
0

Time-->

2.45

2.50

2.55



#6

Chloroethane

Concen: 4.378 ug/l

RT: 2.60 min Scan# 258

Delta R.T. -0.08 min

Lab File: VN058681.D

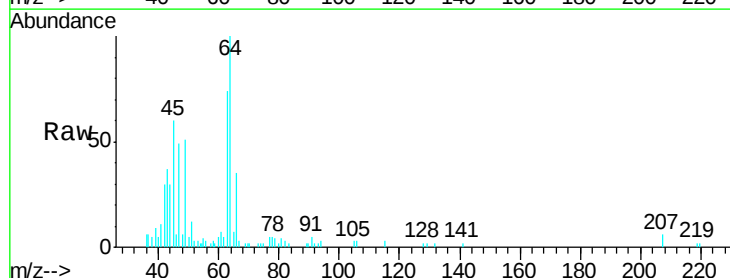
Acq: 10 Oct 2019 21:52

Tgt Ion: 64 Resp: 14187

Ion Ratio Lower Upper

64 100

66 33.7 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

10000

8000

6000

4000

2000

0

Time-->

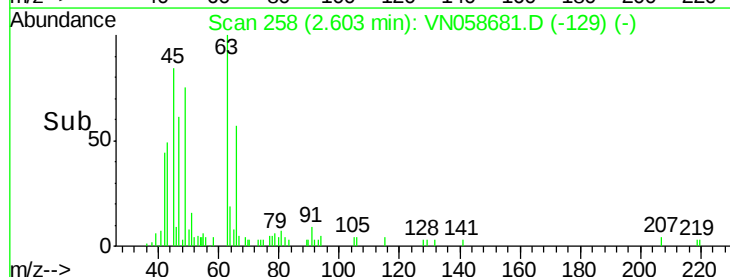
2.54

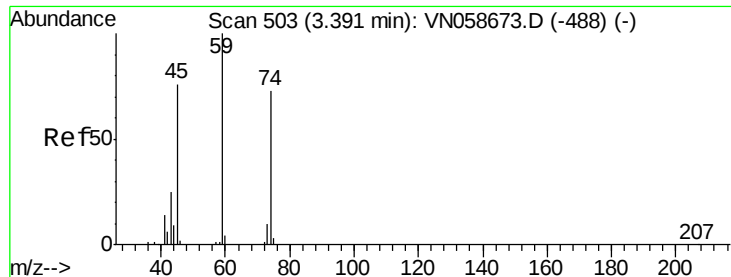
2.56

2.58

2.60

2.62





#8

Diethyl Ether

Concen: 21.716 ug/l

RT: 3.38 min Scan# 501

Delta R.T. -0.01 min

Lab File: VN058681.D

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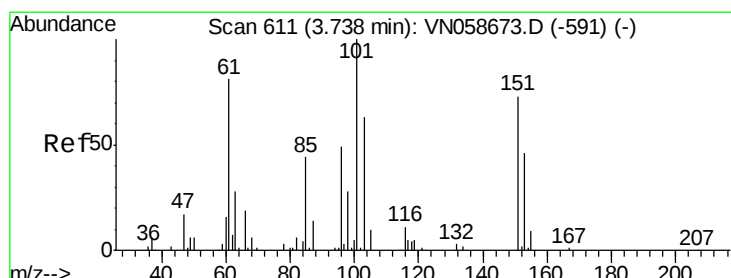
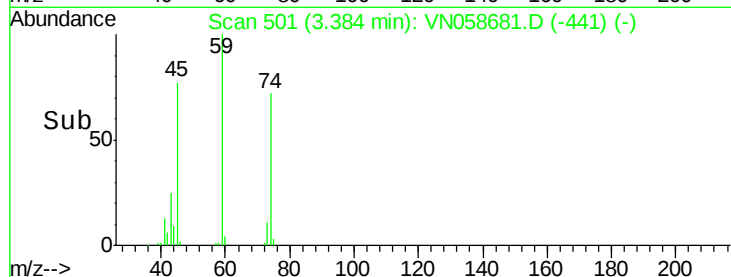
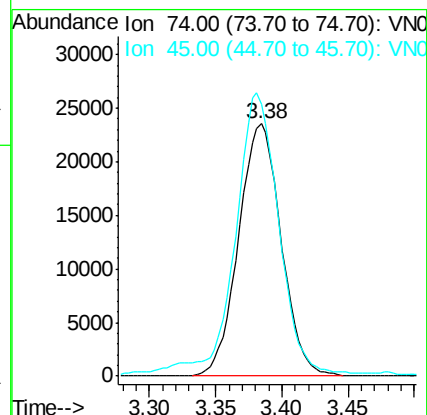
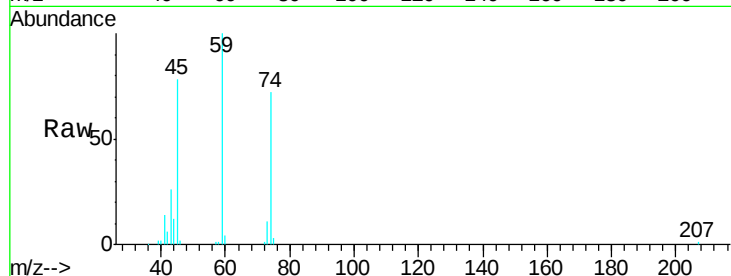
VN1011WBS01

Tgt Ion: 74 Resp: 52552

Ion Ratio Lower Upper

74 100

45 107.2 20.6 185.8



#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.685 ug/l

RT: 3.71 min Scan# 601

Delta R.T. -0.03 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

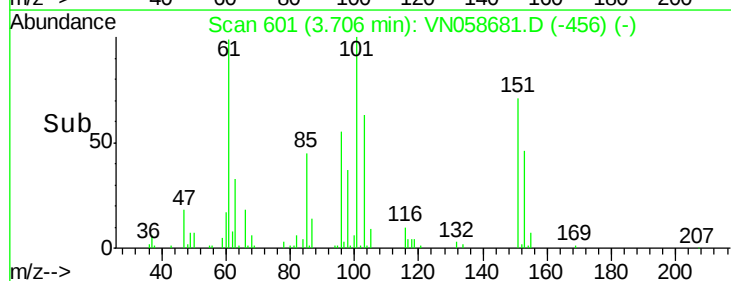
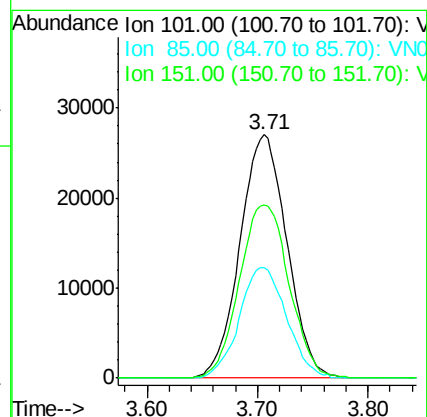
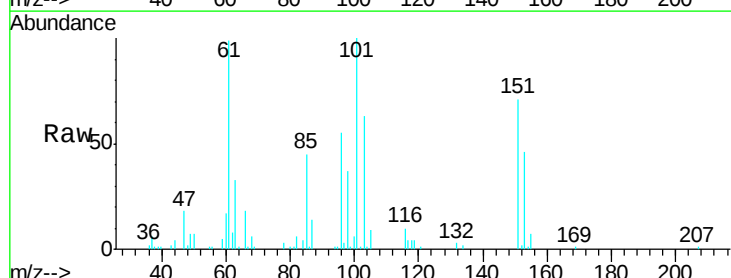
Tgt Ion: 101 Resp: 79613

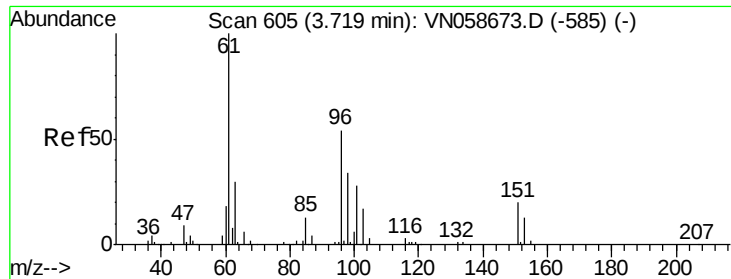
Ion Ratio Lower Upper

101 100

85 45.5 0.0 93.8

151 75.4 0.0 149.6

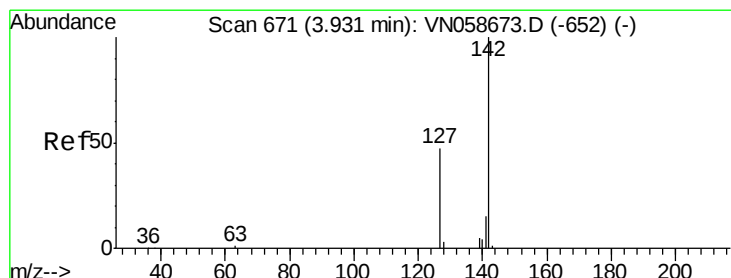
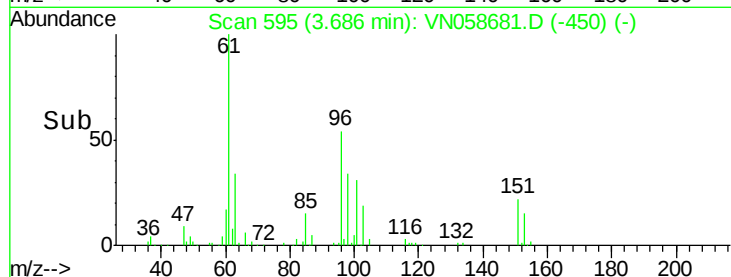
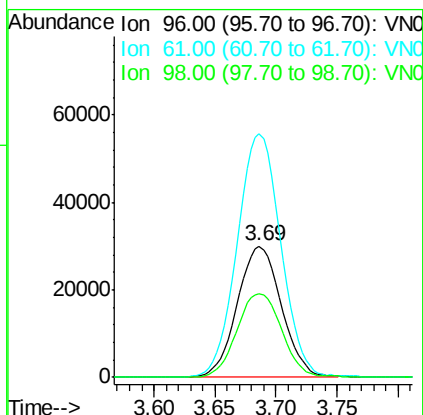
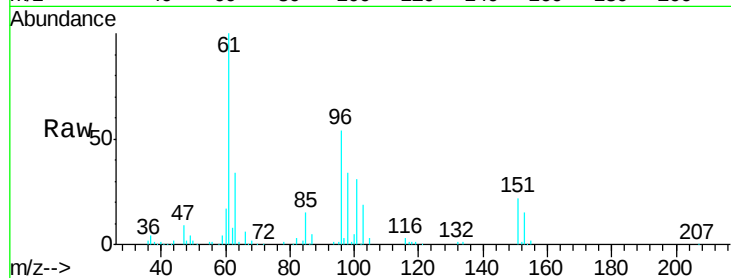




#10
 1,1-Dichloroethene
 Concen: 20.882 ug/l
 RT: 3.69 min Scan# 595
 Delta R.T. -0.03 min
 Lab File: VN058681.D
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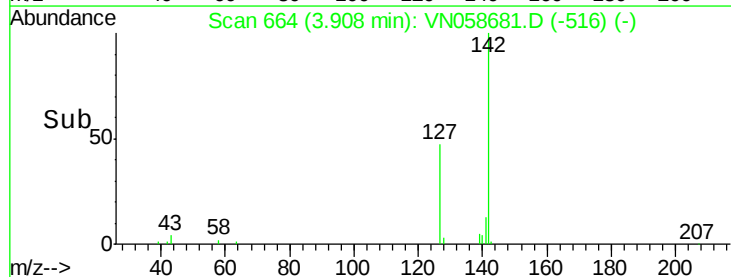
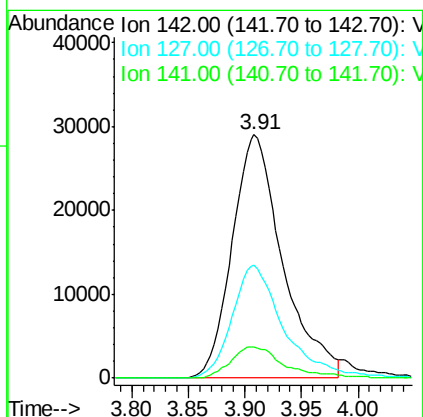
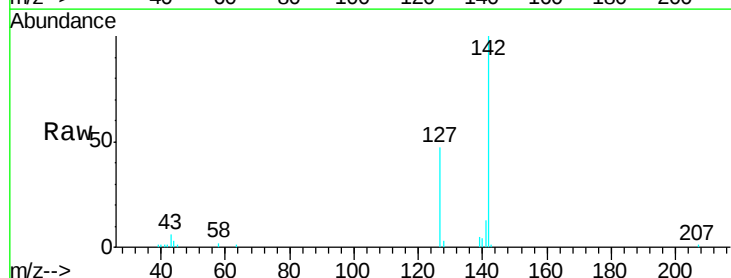
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 ClientSampleId :
 VN1011WBS01

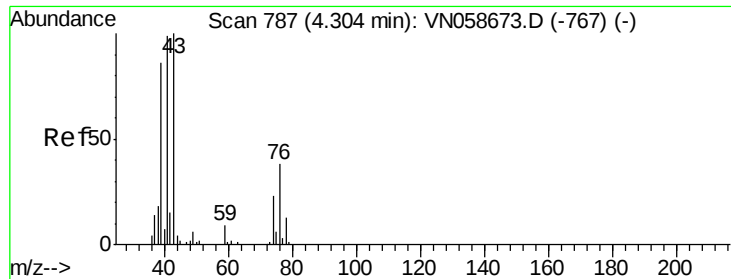
Tgt Ion: 96 Resp: 75298
 Ion Ratio Lower Upper
 96 100
 61 185.3 148.5 222.7
 98 64.0 51.0 76.6



#11
 Methyl Iodide
 Concen: 18.004 ug/l
 RT: 3.91 min Scan# 664
 Delta R.T. -0.02 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

Tgt Ion: 142 Resp: 90413
 Ion Ratio Lower Upper
 142 100
 127 46.8 23.5 70.6
 141 12.4 7.4 22.2

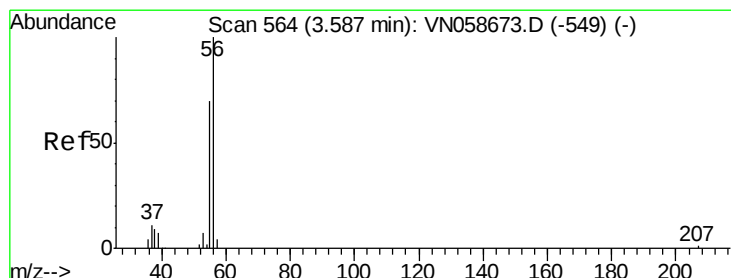
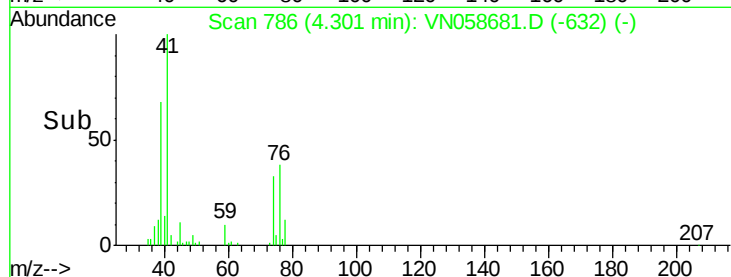
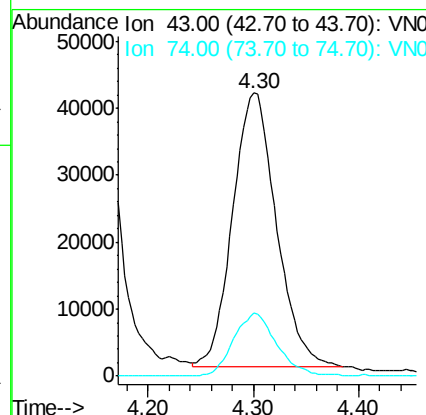
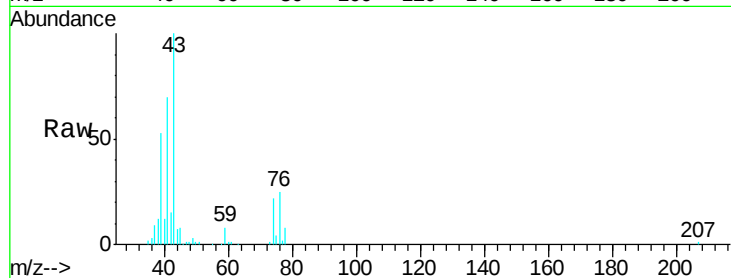




#12
Methyl Acetate
Concen: 20.321 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

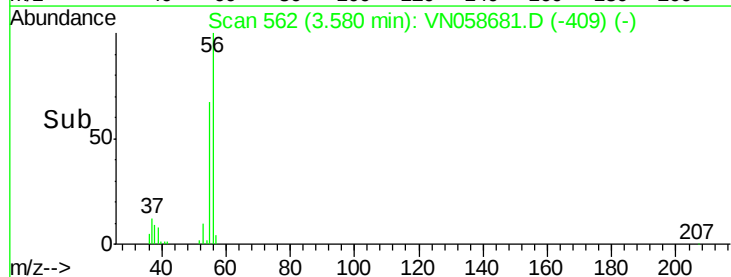
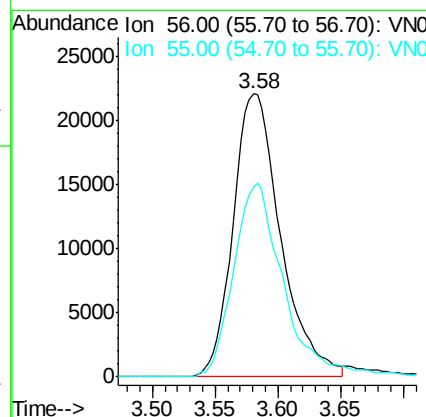
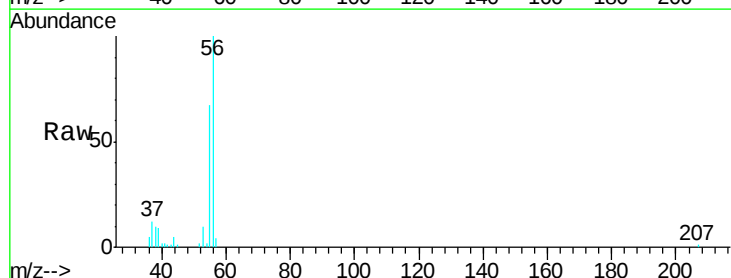
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

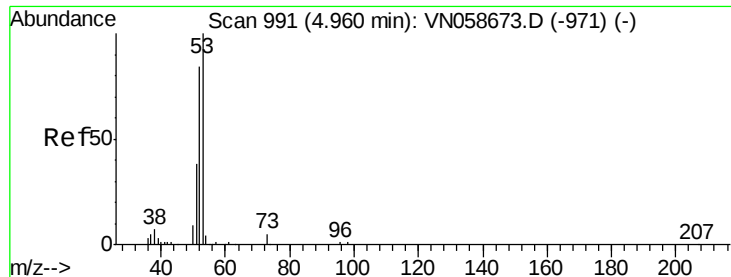
Tgt Ion: 43 Resp: 117235
Ion Ratio Lower Upper
43 100
74 22.9 18.1 27.1



#13
Acrolein
Concen: 91.522 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Tgt Ion: 56 Resp: 58339
Ion Ratio Lower Upper
56 100
55 70.2 55.9 83.9





#14

Acrylonitrile

Concen: 93.821 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

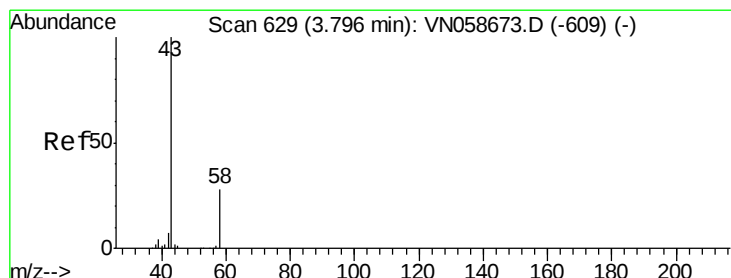
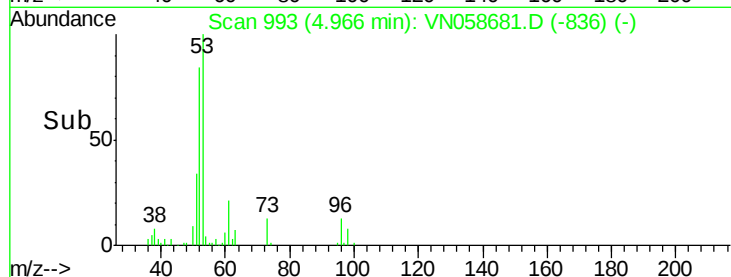
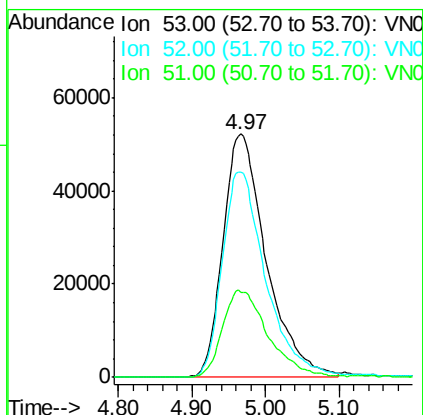
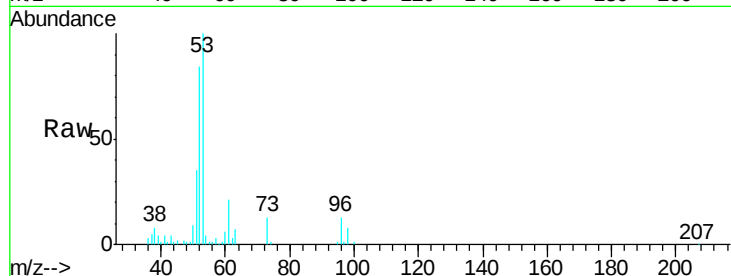
Tgt Ion: 53 Resp: 213269

Ion Ratio Lower Upper

53 100

52 83.0 42.2 126.6

51 17.3 18.8 56.4#



#15

Acetone

Concen: 86.994 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058681.D

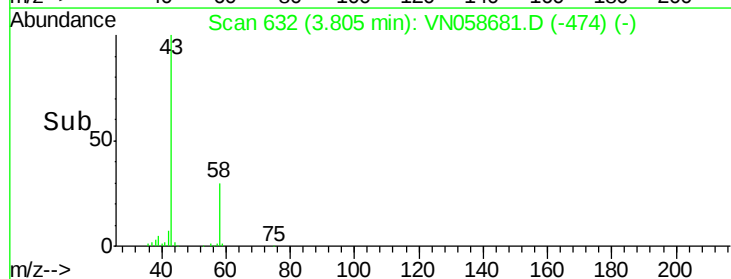
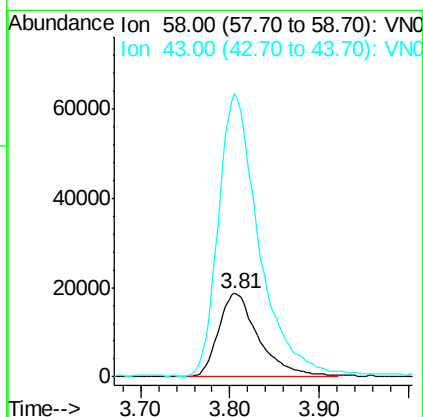
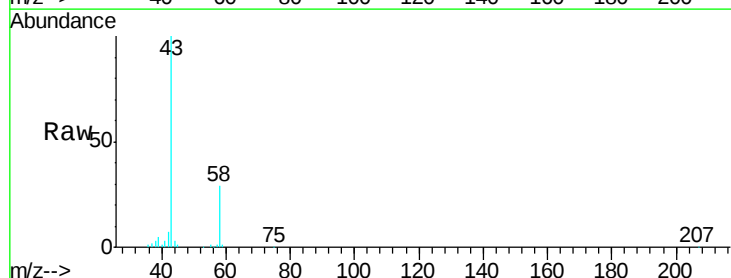
Acq: 10 Oct 2019 21:52

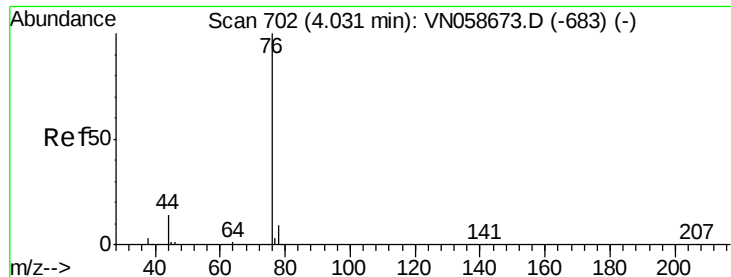
Tgt Ion: 58 Resp: 58700

Ion Ratio Lower Upper

58 100

43 337.6 281.7 422.5

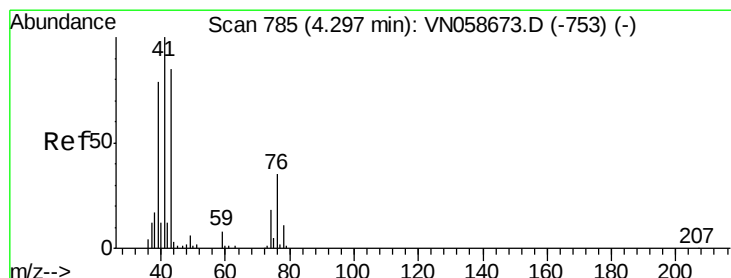
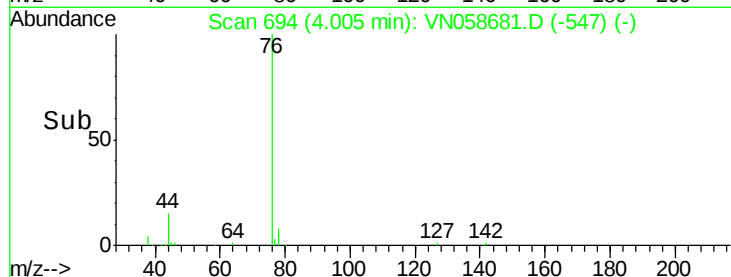
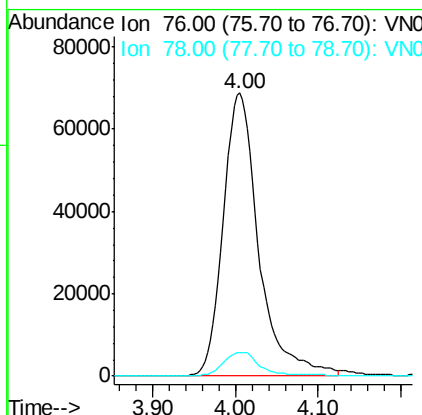
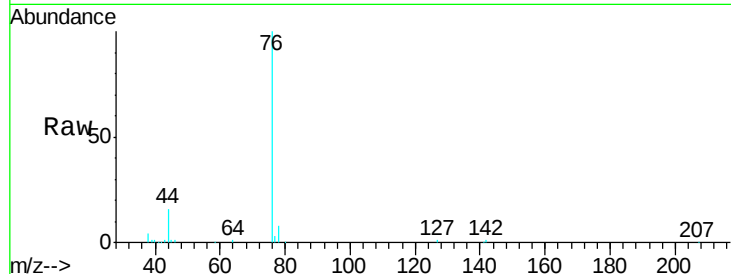




#16
Carbon Disulfide
Concen: 19.533 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.03 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

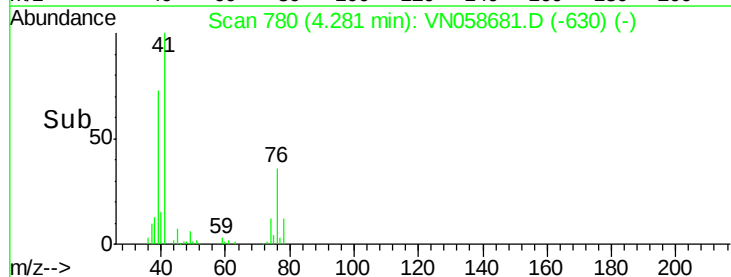
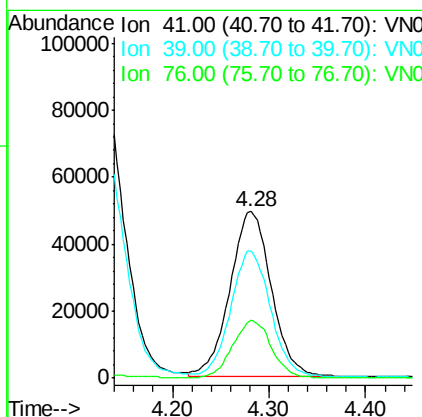
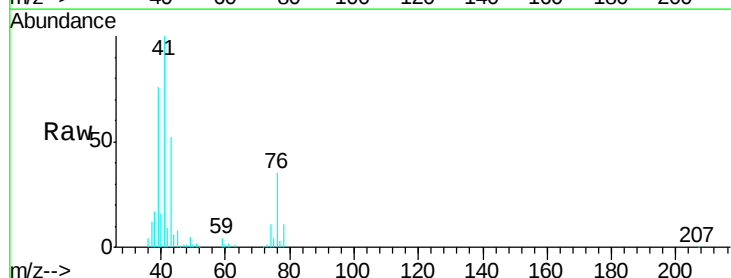
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

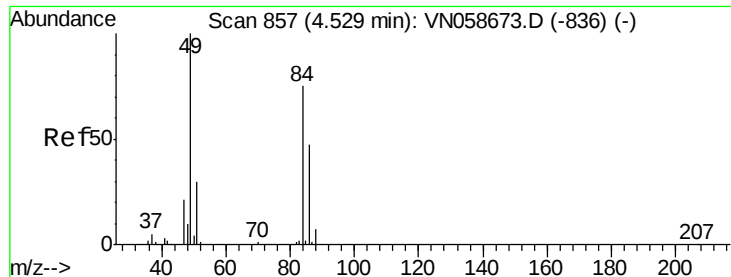
Tgt Ion: 76 Resp: 205433
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.0



#17
Allyl chloride
Concen: 20.287 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.02 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Tgt Ion: 41 Resp: 145600
Ion Ratio Lower Upper
41 100
39 76.2 39.6 118.8
76 35.2 17.6 52.9

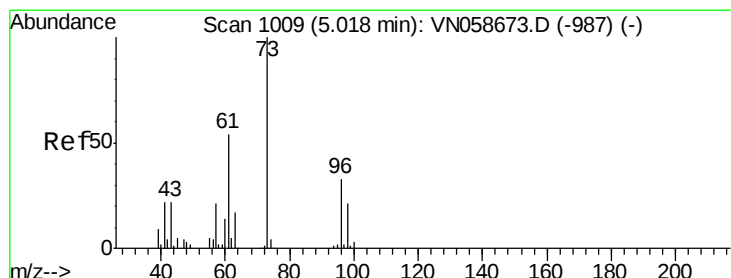
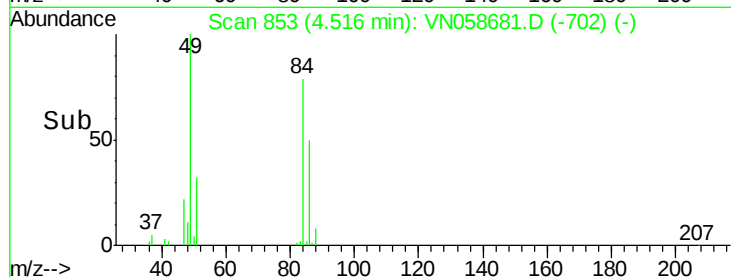
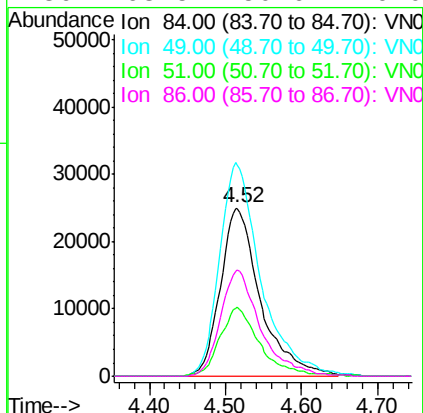
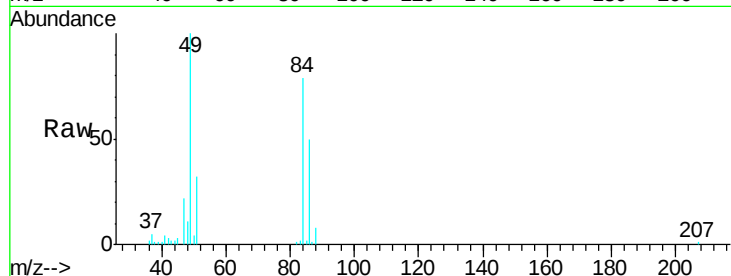




#18
Methylene Chloride
Concen: 20.947 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

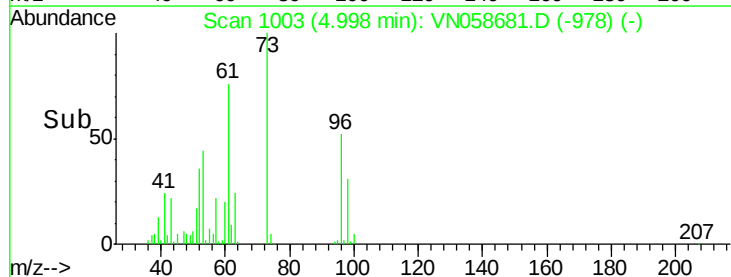
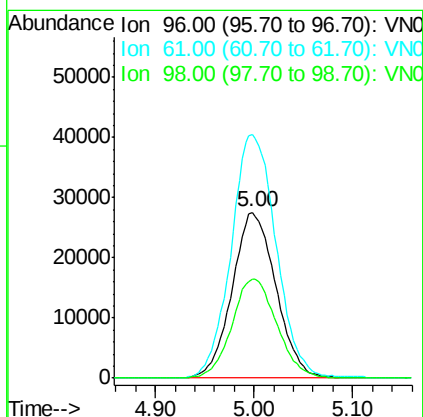
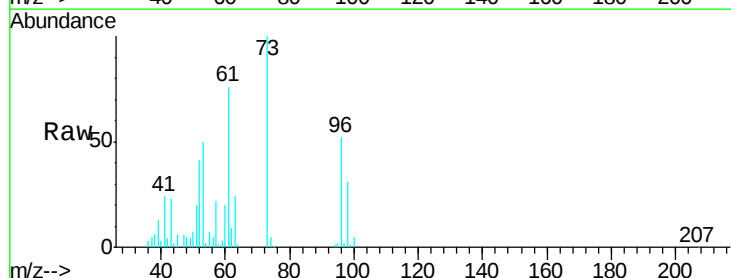
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

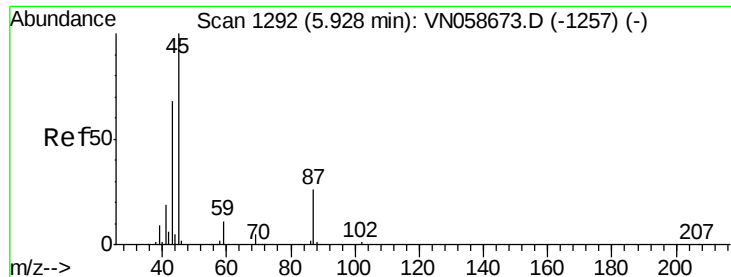
Tgt Ion:	84	Resp:	91465
Ion	Ratio	Lower	Upper
84	100		
49	125.6	106.6	160.0
51	40.1	32.4	48.6
86	63.5	50.6	76.0



#19
trans-1,2-Dichloroethene
Concen: 21.615 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.02 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Tgt Ion:	96	Resp:	84849
Ion	Ratio	Lower	Upper
96	100		
61	145.9	131.8	197.6
98	59.7	52.6	79.0

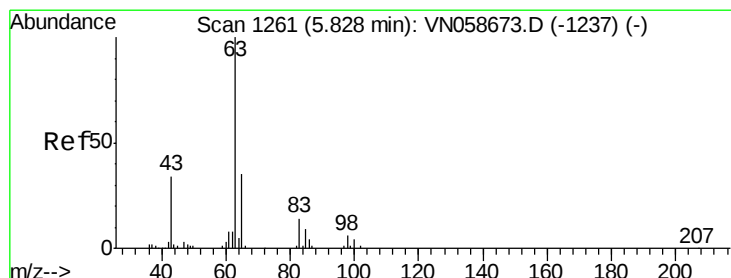
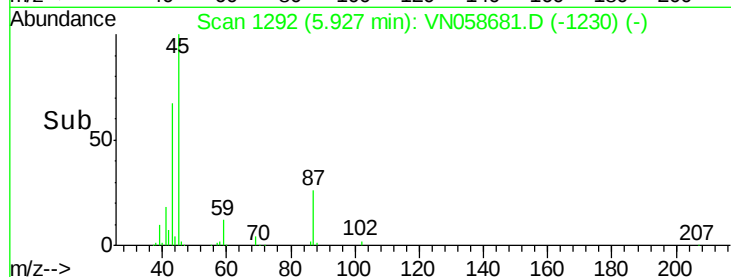
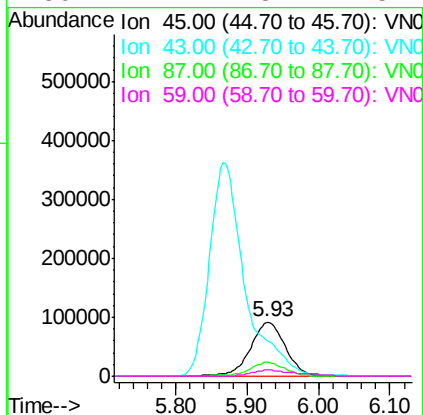
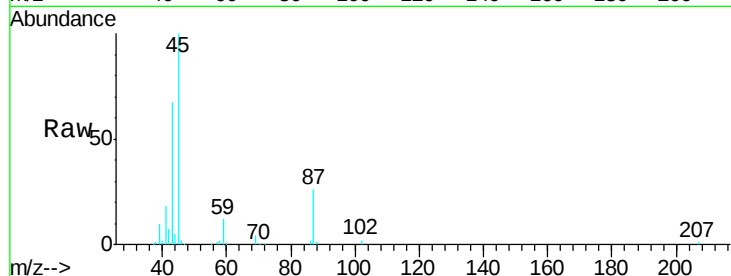




#20
Diisopropyl ether
Concen: 21.239 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

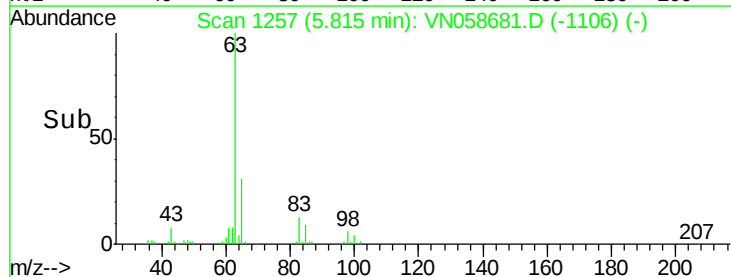
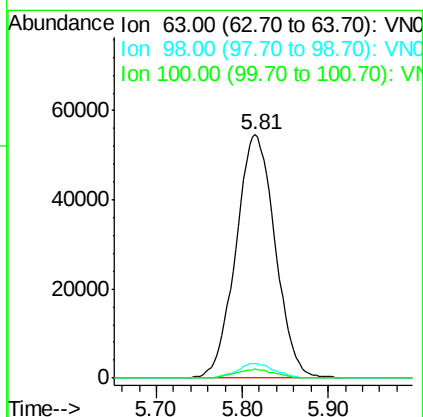
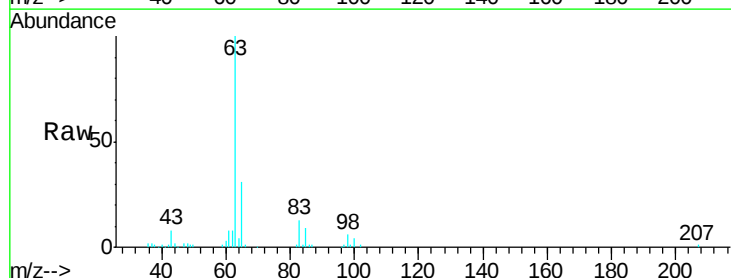
Instrument :
MSVOA_N
ClientSampled :
VN1011WBS01

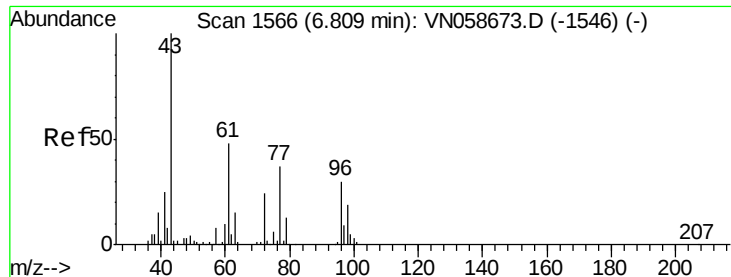
Tgt Ion:	45	Resp:	310563
Ion	Ratio	Lower	Upper
45	100		
43	65.2	54.7	82.1
87	25.7	21.5	32.3
59	11.2	8.7	13.1



#21
1,1-Dichloroethane
Concen: 21.418 ug/l
RT: 5.81 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Tgt Ion:	63	Resp:	173428
Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.9	8.6
100	3.6	1.8	5.5





#22

cis-1,2-Dichloroethene

Concen: 20.828 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

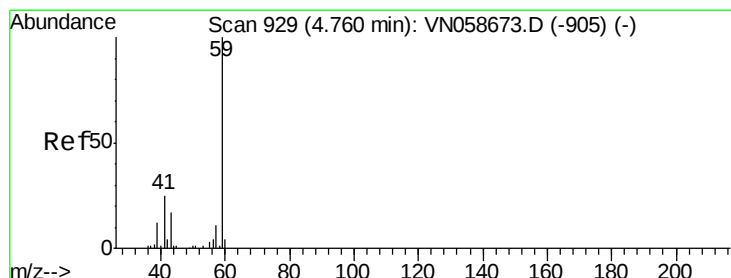
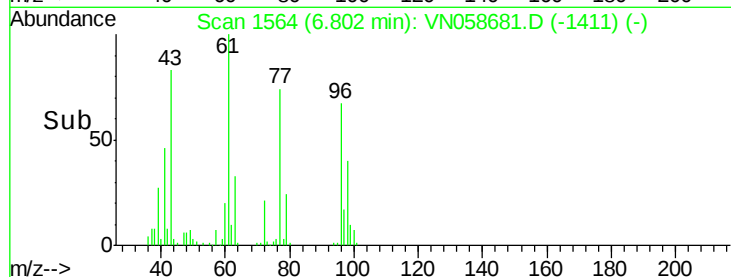
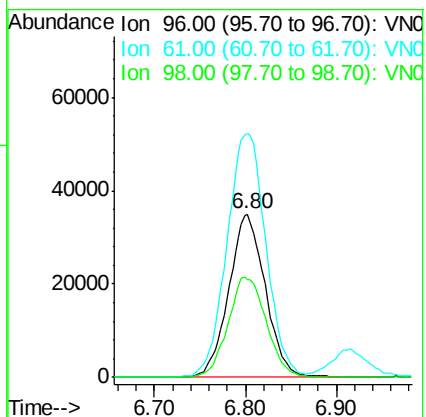
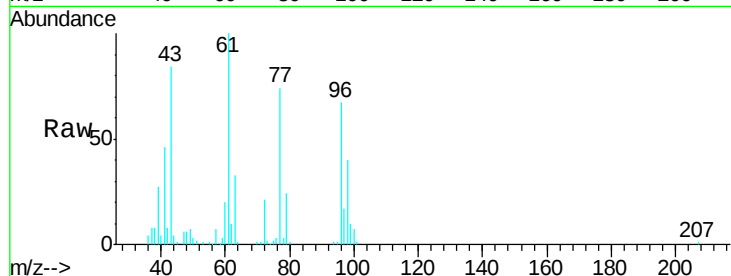
Tgt Ion: 96 Resp: 97483

Ion Ratio Lower Upper

96 100

61 157.1 127.2 190.8

98 64.0 50.5 75.7



#23

tert-Butyl Alcohol

Concen: 0.787 ug/l

RT: 4.71 min Scan# 914

Delta R.T. -0.05 min

Lab File: VN058681.D

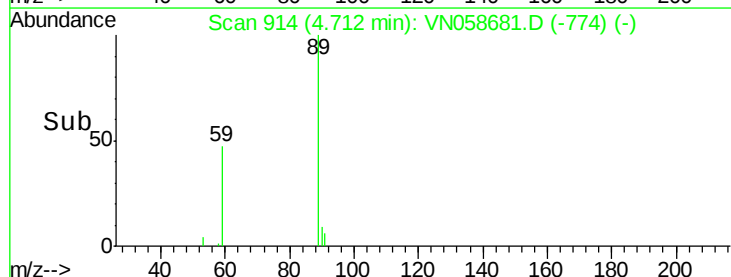
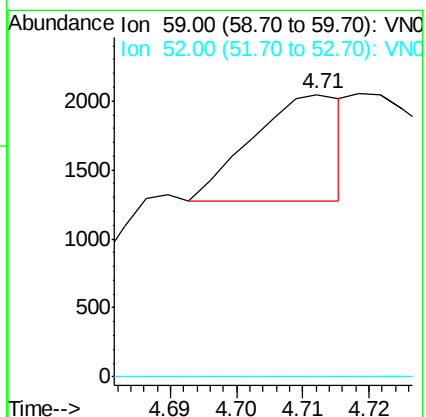
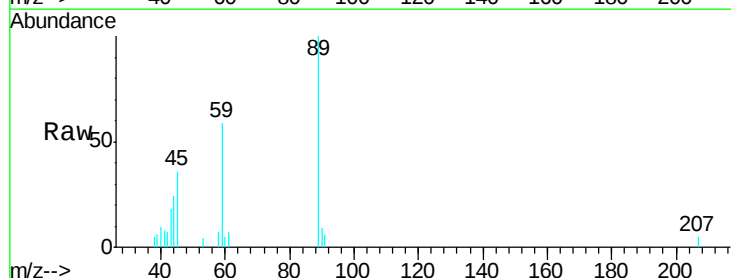
Acq: 10 Oct 2019 21:52

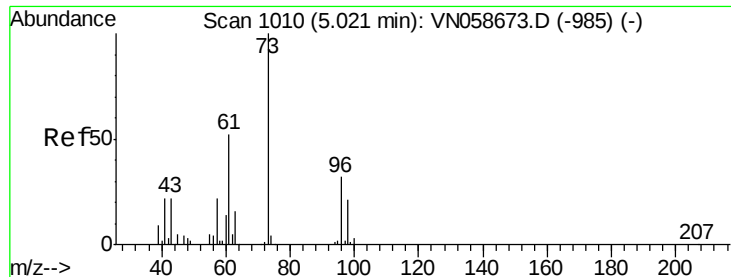
Tgt Ion: 59 Resp: 732

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#24

Methyl tert-Butyl Ether

Concen: 21.070 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

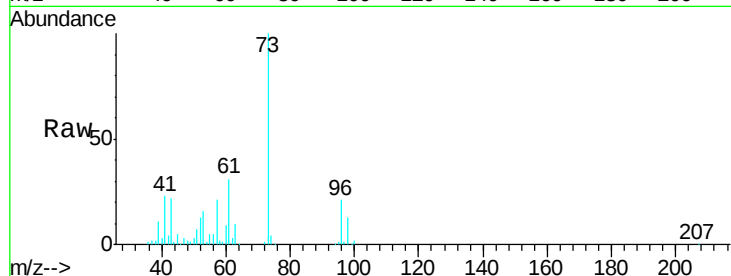
VN1011WBS01

Tgt Ion: 73 Resp: 283438

Ion Ratio Lower Upper

73 100

43 22.6 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

5.02

80000

60000

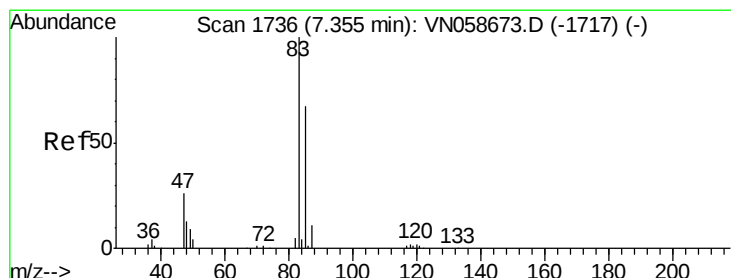
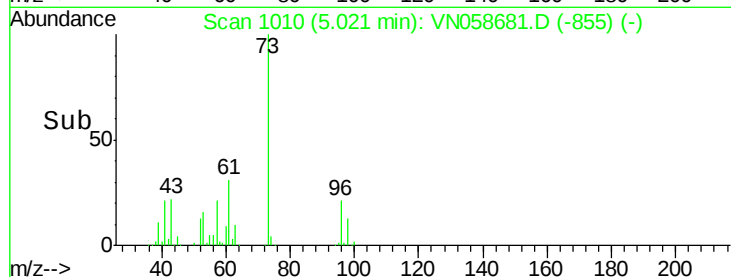
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#25

Chloroform

Concen: 21.095 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.01 min

Lab File: VN058681.D

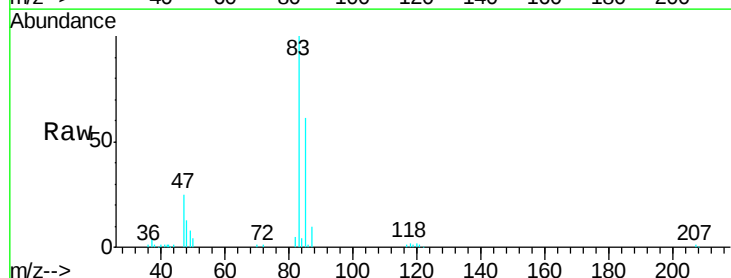
Acq: 10 Oct 2019 21:52

Tgt Ion: 83 Resp: 170352

Ion Ratio Lower Upper

83 100

85 60.7 53.8 80.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.35

80000

60000

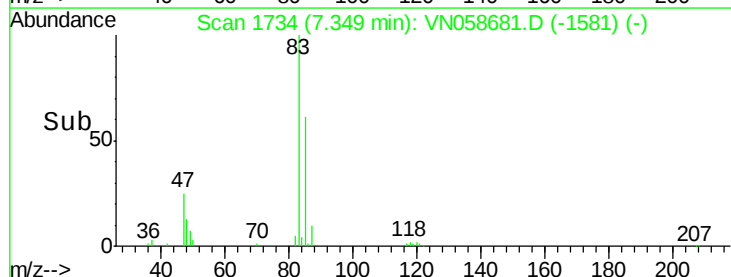
40000

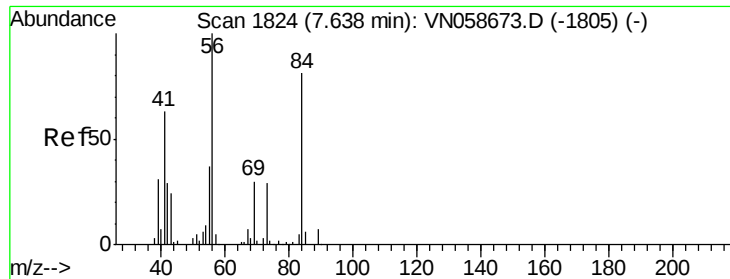
20000

0

Time-->

7.30 7.40

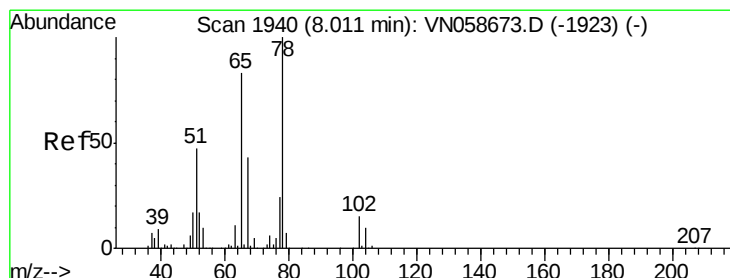
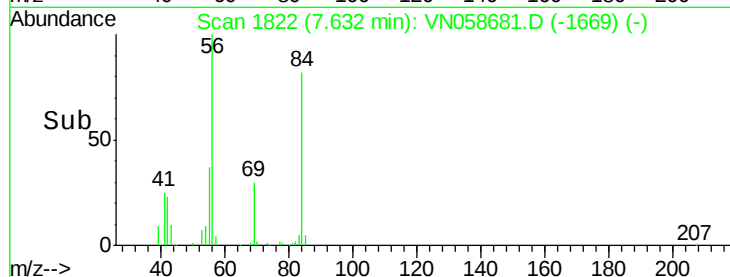
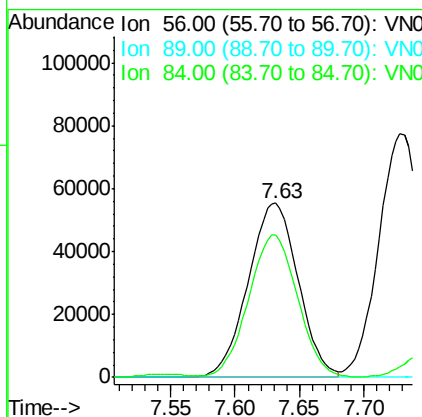
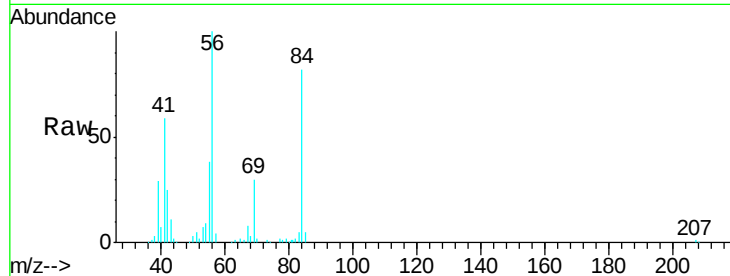




#26
Cyclohexane
Concen: 21.023 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

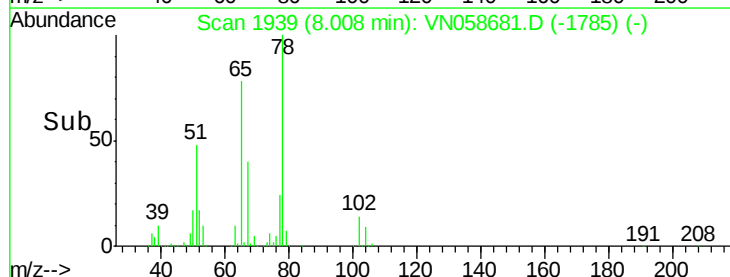
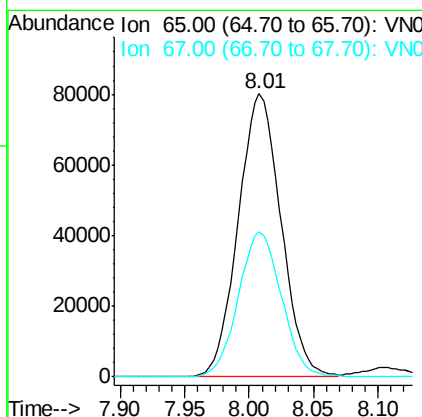
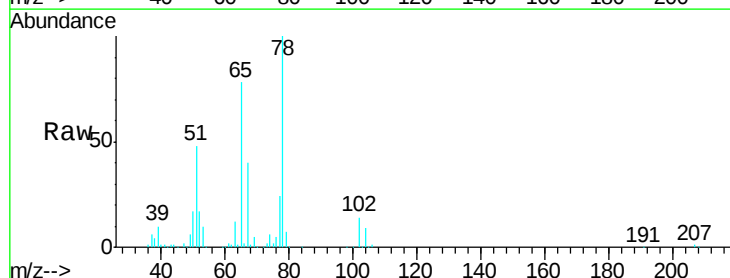
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

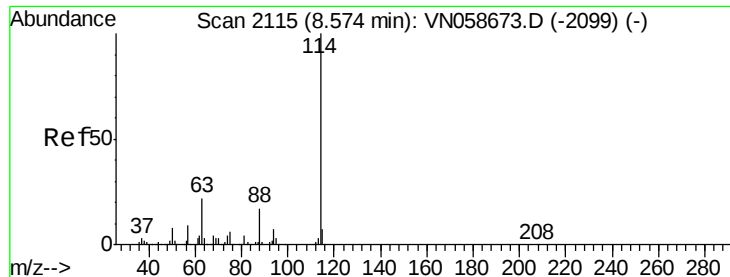
Tgt Ion: 56 Resp: 149410
Ion Ratio Lower Upper
56 100
89 0.1 6.2 9.2#
84 79.5 65.6 98.4



#27
1,2-Dichloroethane-d4
Concen: 31.687 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Tgt Ion: 65 Resp: 185340
Ion Ratio Lower Upper
65 100
67 51.7 41.5 62.3

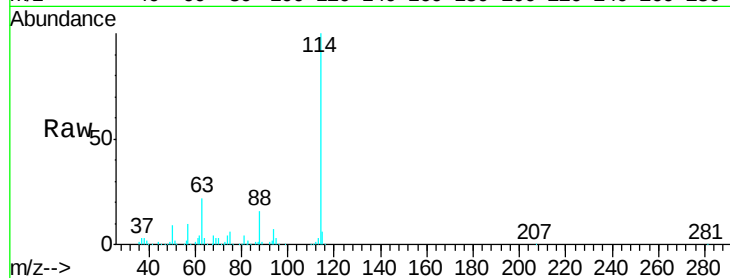




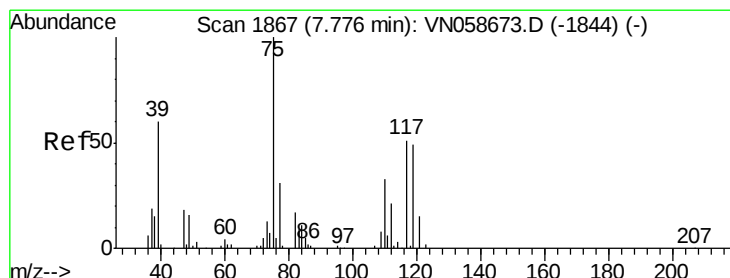
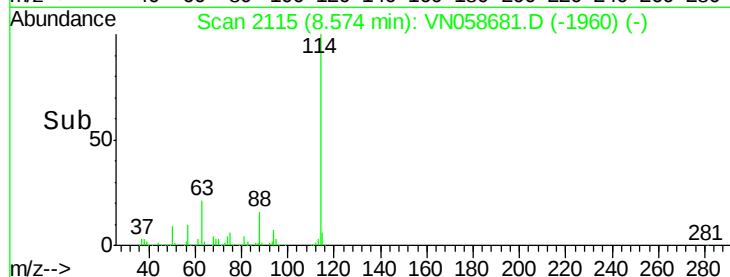
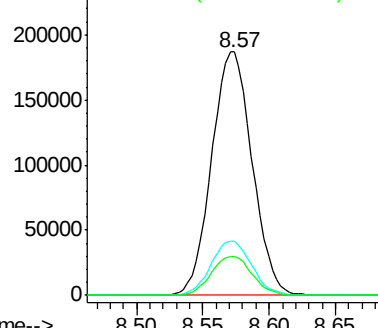
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Tgt Ion: 114 Resp: 397757
 Ion Ratio Lower Upper
 114 100
 63 22.5 18.1 27.1
 88 16.3 13.0 19.4

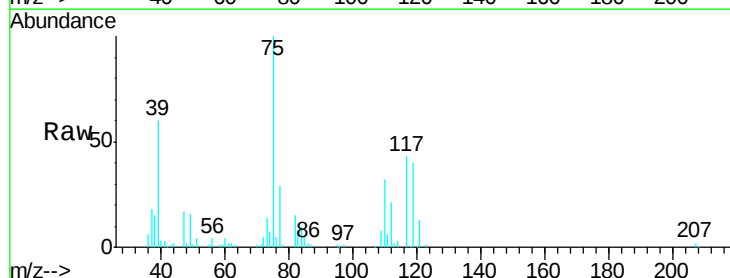


Abundance Ion 114.00 (113.70 to 114.70): VN058681.D (-1960) (-)
 Ion 63.00 (62.70 to 63.70): VN058681.D (-1960) (-)
 Ion 88.00 (87.70 to 88.70): VN058681.D (-1960) (-)

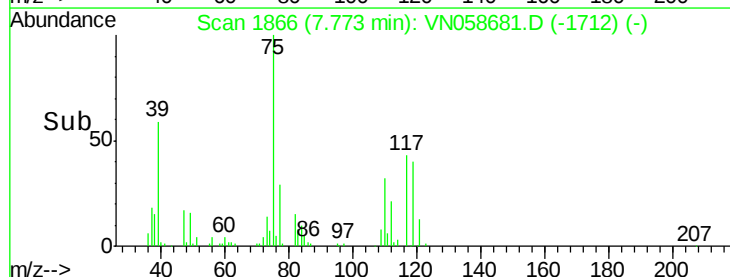
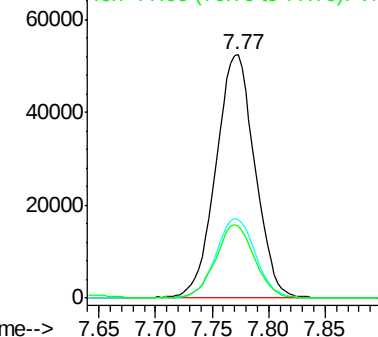


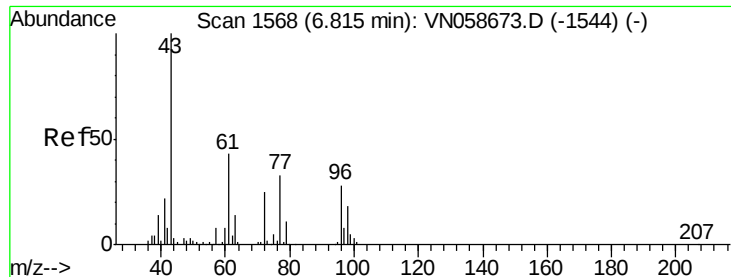
#29
 1,1-Dichloropropene
 Concen: 20.133 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

Tgt Ion: 75 Resp: 126059
 Ion Ratio Lower Upper
 75 100
 110 33.0 0.0 64.6
 77 30.1 0.0 60.8



Abundance Ion 75.00 (74.70 to 75.70): VN058681.D (-1712) (-)
 Ion 110.00 (109.70 to 110.70): VN058681.D (-1712) (-)
 Ion 77.00 (76.70 to 77.70): VN058681.D (-1712) (-)

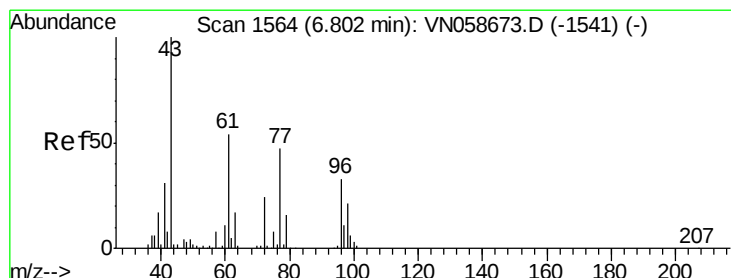
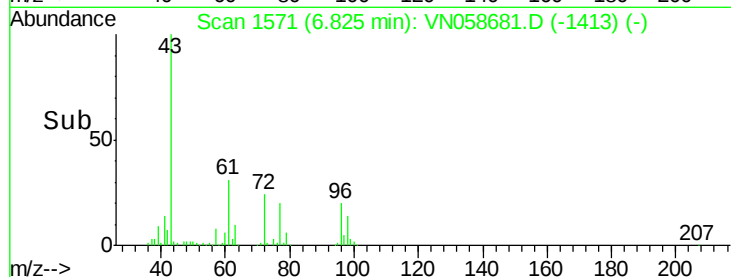
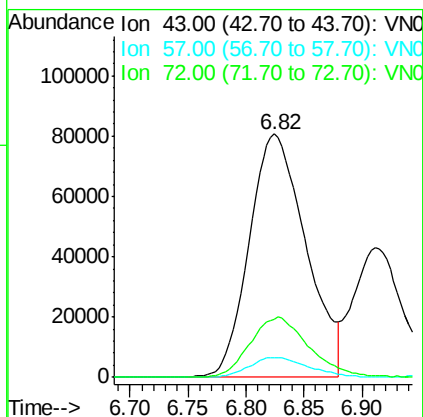
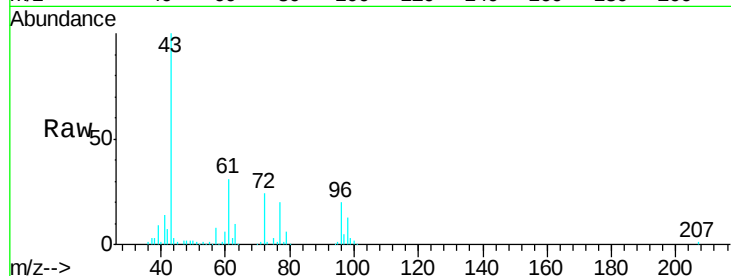




#30
 2-Butanone
 Concen: 76.996 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

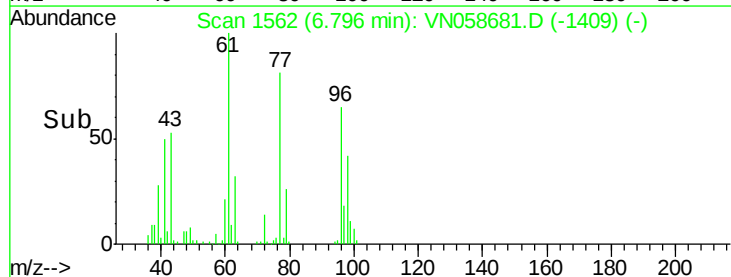
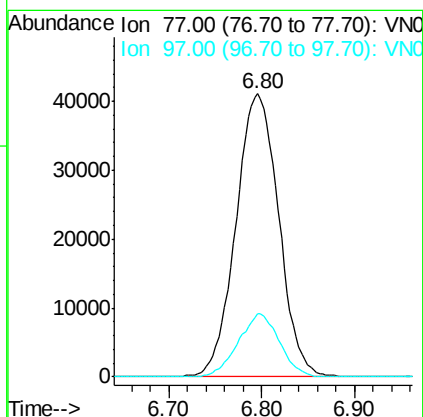
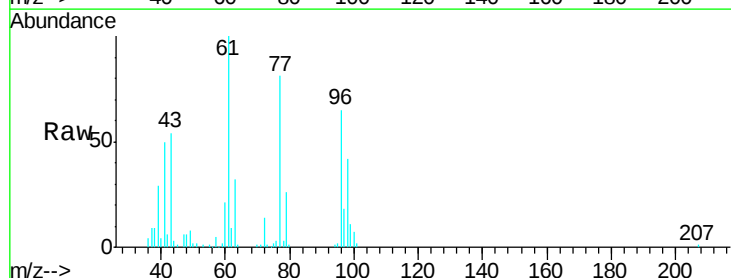
Instrument :
 MSVOA_N
 ClientSampled :
 VN1011WBS01

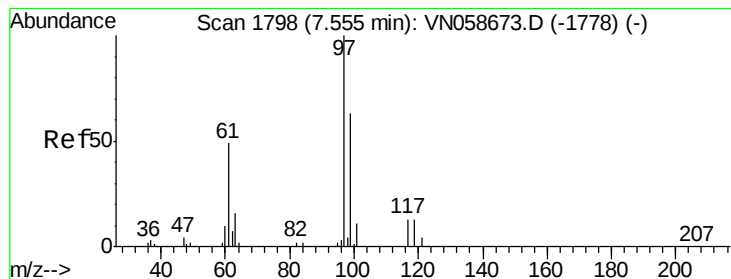
Tgt Ion: 43 Resp: 272431
 Ion Ratio Lower Upper
 43 100
 57 8.6 6.5 9.7
 72 25.8 20.1 30.1



#31
 2,2-Dichloropropane
 Concen: 17.835 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

Tgt Ion: 77 Resp: 131618
 Ion Ratio Lower Upper
 77 100
 97 21.5 17.9 26.9





#32

1,1,1-Trichloroethane

Concen: 20.146 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

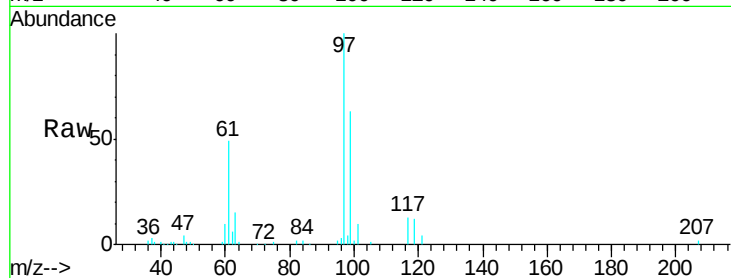
Tgt Ion: 97 Resp: 145895

Ion Ratio Lower Upper

97 100

99 63.5 51.3 76.9

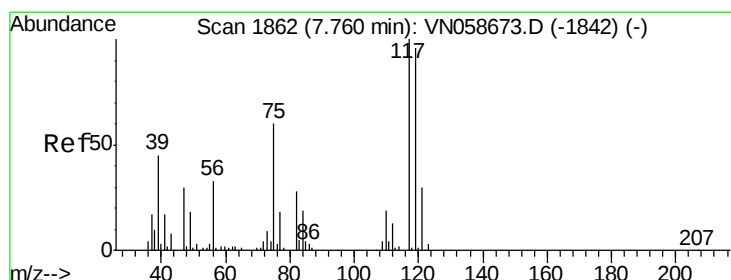
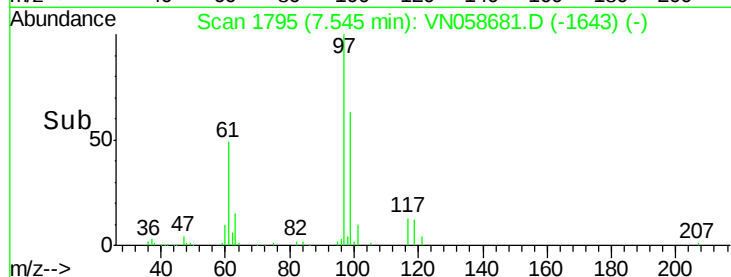
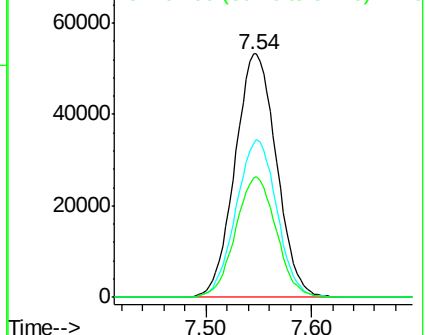
61 48.3 38.4 57.6



Abundance Ion 97.00 (96.70 to 97.70): VN058673.D (-1778) (-)

Ion 99.00 (98.70 to 99.70): VN058673.D (-1778) (-)

Ion 61.00 (60.70 to 61.70): VN058673.D (-1778) (-)



#33

Carbon Tetrachloride

Concen: 19.961 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

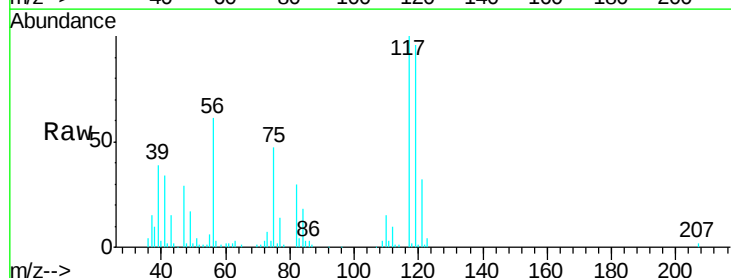
Tgt Ion: 117 Resp: 125123

Ion Ratio Lower Upper

117 100

119 96.2 76.9 115.3

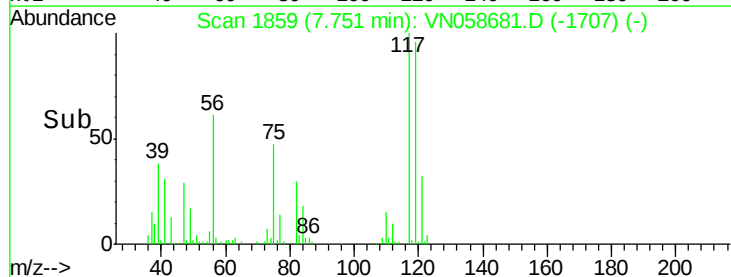
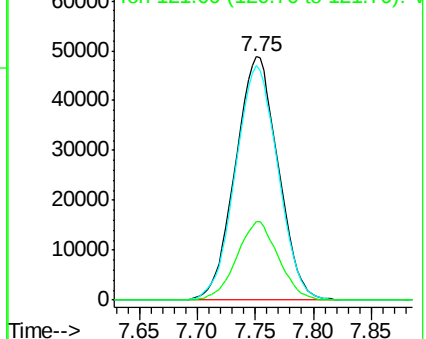
121 32.0 23.8 35.8

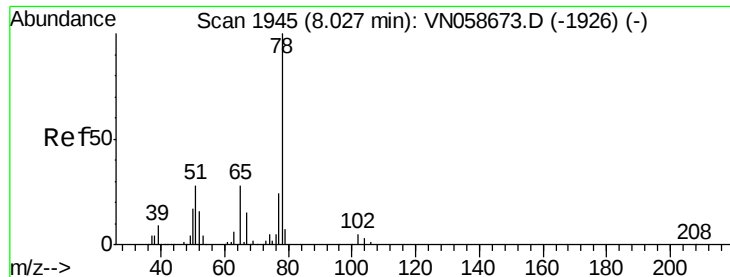


Abundance Ion 117.00 (116.70 to 117.70): VN058673.D (-1842) (-)

Ion 119.00 (118.70 to 119.70): VN058673.D (-1842) (-)

Ion 121.00 (120.70 to 121.70): VN058673.D (-1842) (-)





#34

Benzene

Concen: 20.134 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampled :

VN1011WBS01

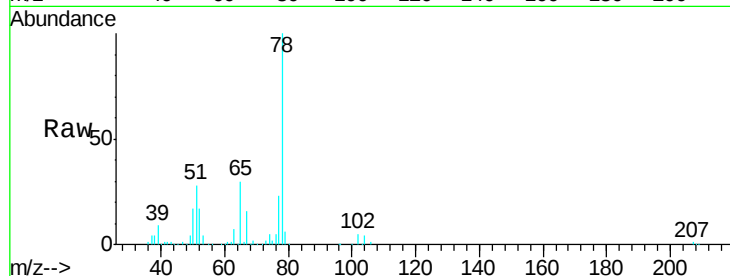
Tgt Ion: 78 Resp: 371127

Ion Ratio Lower Upper

78 100

77 23.0 19.2 28.8

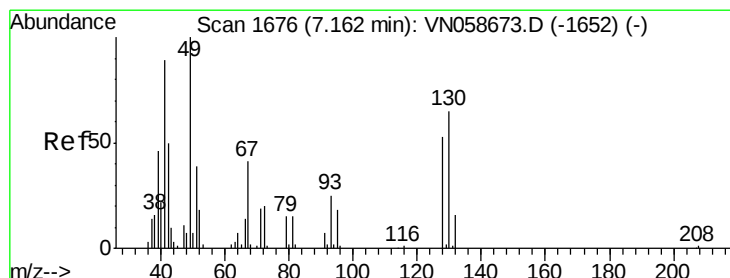
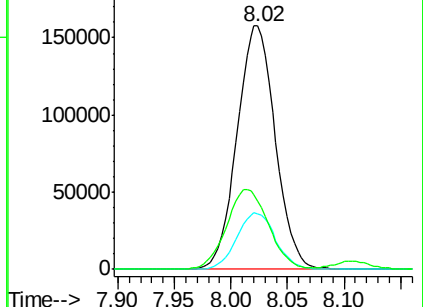
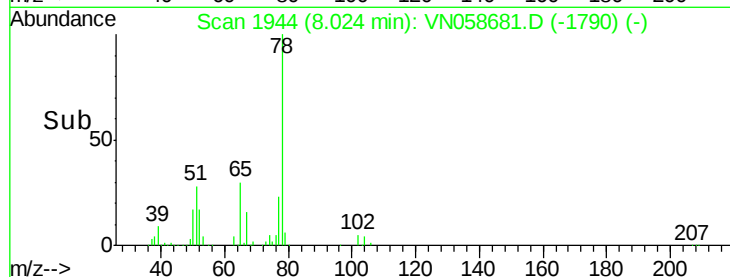
51 28.0 22.1 33.1



Abundance Ion 78.10 (77.80 to 78.80): VNC

Ion 77.00 (76.70 to 77.70): VNC

Ion 51.00 (50.70 to 51.70): VNC



#35

Methacrylonitrile

Concen: 57.500 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.03 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Tgt Ion: 41 Resp: 179724

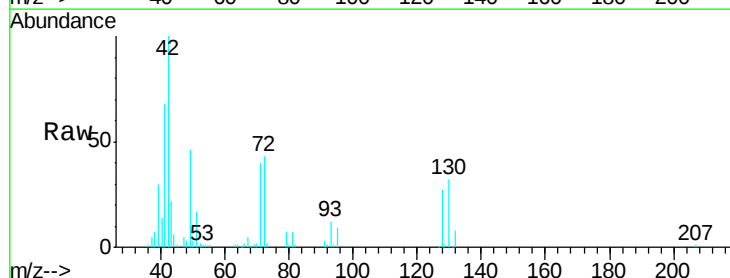
Ion Ratio Lower Upper

41 100

39 43.9 25.8 77.4

67 7.2 23.0 69.0#

52 3.4 10.1 30.1#

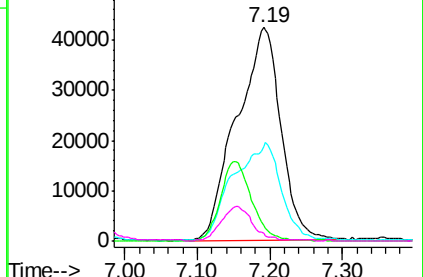
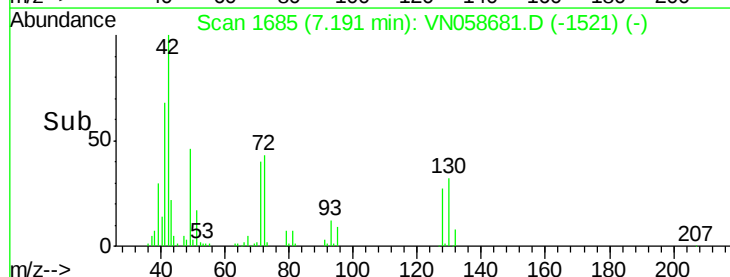


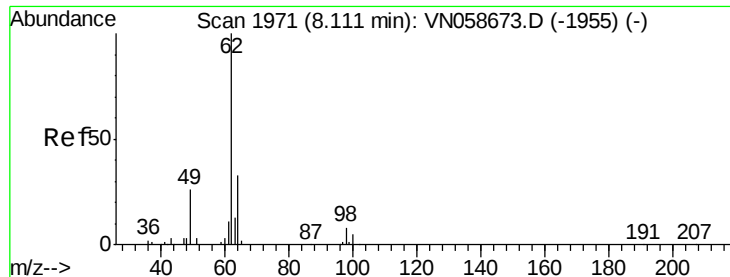
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC

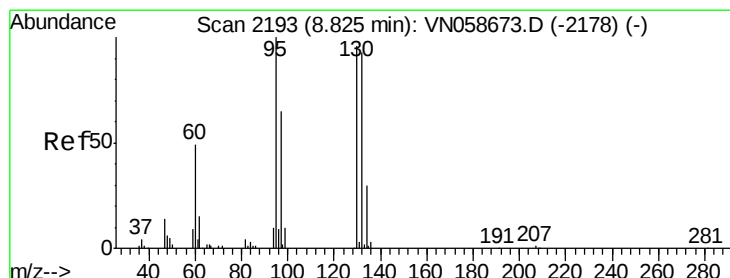
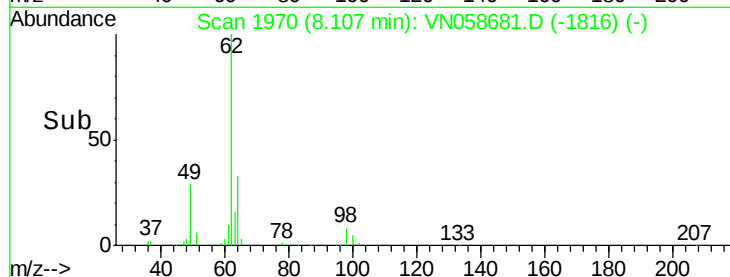
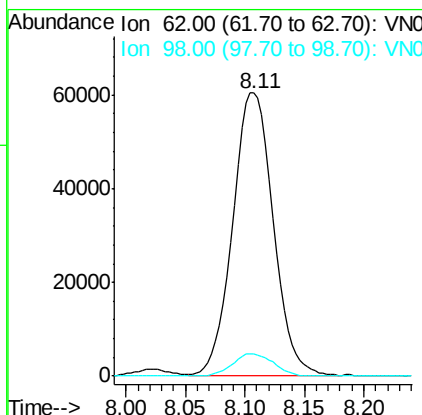
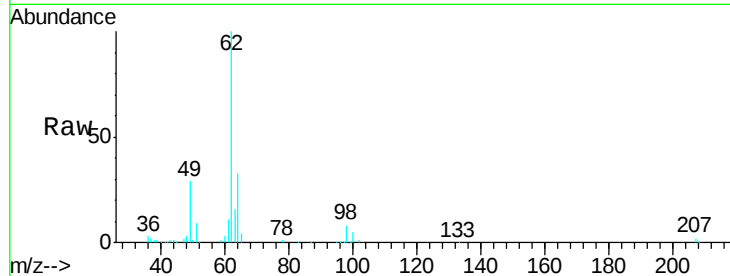




#36
 1,2-Dichloroethane
 Concen: 20.328 ug/l
 RT: 8.11 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

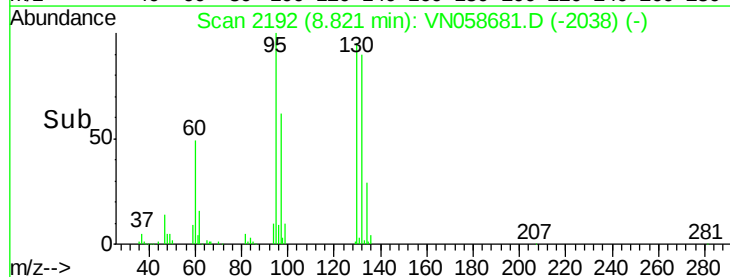
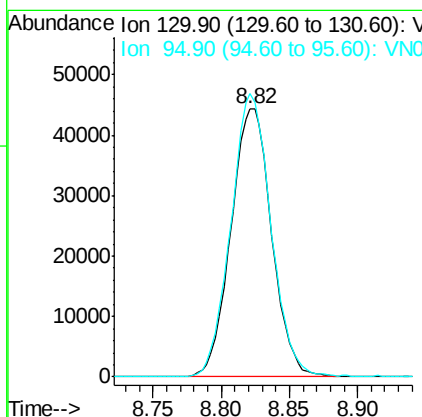
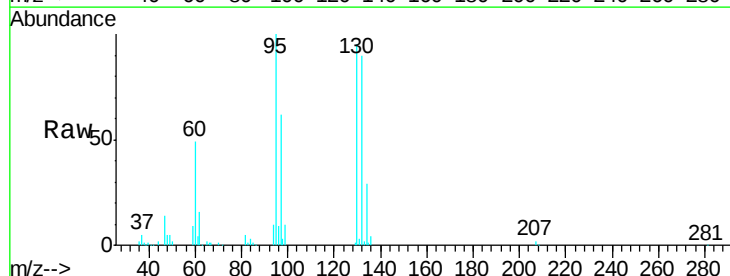
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

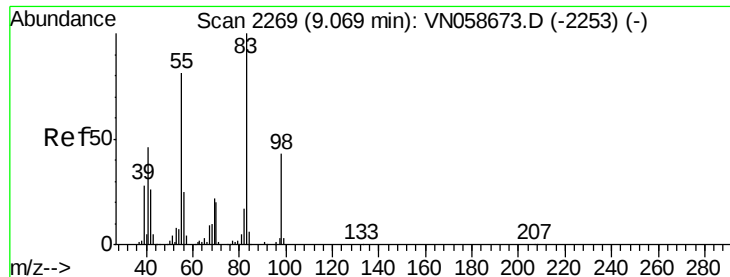
Tgt Ion: 62 Resp: 143267
 Ion Ratio Lower Upper
 62 100
 98 8.0 6.4 9.6



#37
 Trichloroethene
 Concen: 20.290 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

Tgt Ion: 130 Resp: 91885
 Ion Ratio Lower Upper
 130 100
 95 105.5 83.2 124.8

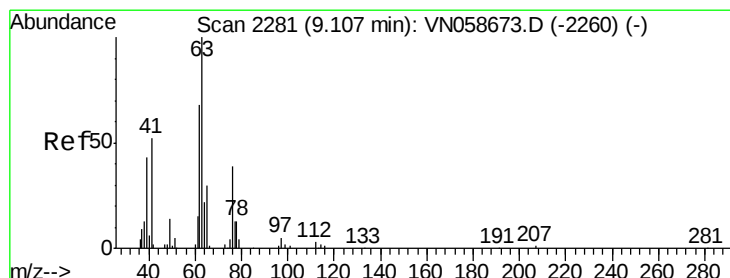
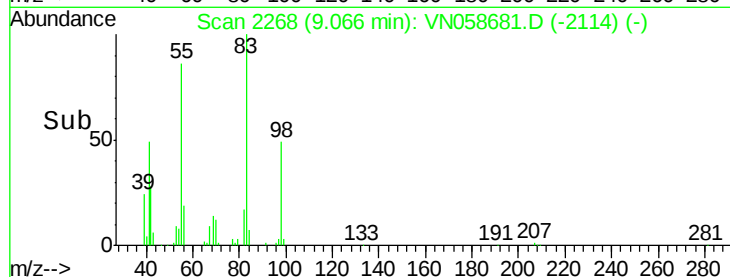
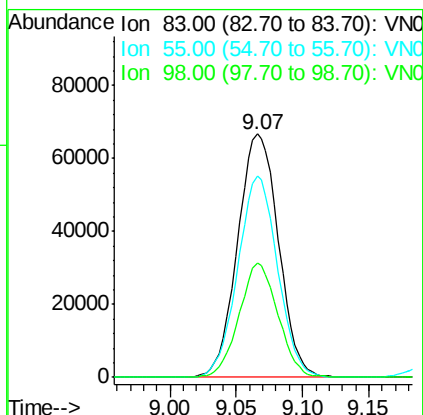
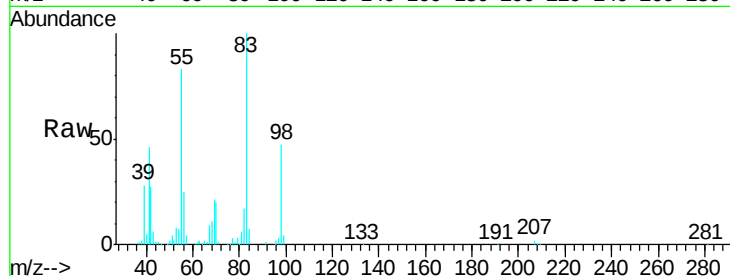




#38
Methylcyclohexane
Concen: 19.766 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

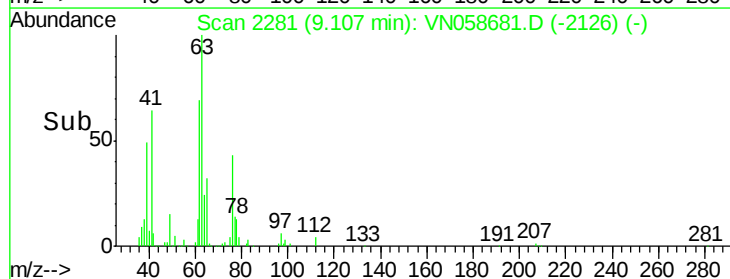
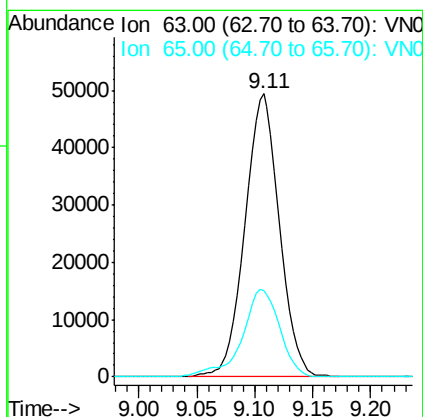
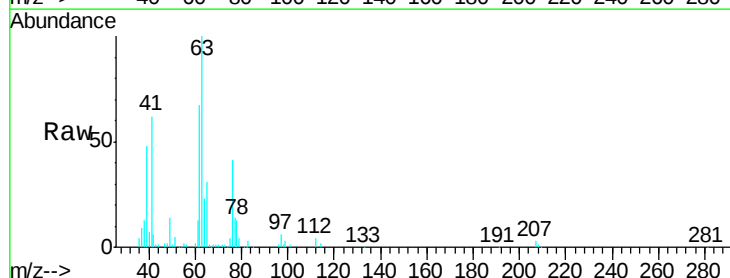
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

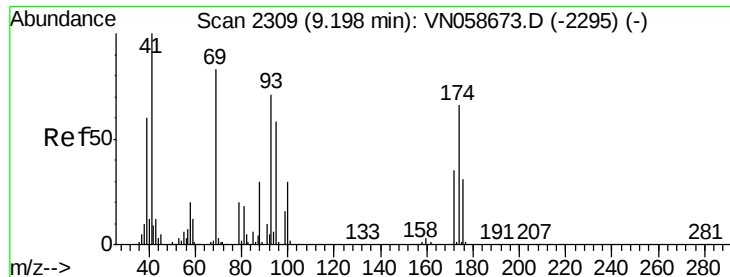
Tgt Ion: 83 Resp: 143493
Ion Ratio Lower Upper
83 100
55 80.4 40.4 121.1
98 44.6 21.6 65.0



#39
1,2-Dichloropropane
Concen: 20.326 ug/l
RT: 9.11 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Tgt Ion: 63 Resp: 102391
Ion Ratio Lower Upper
63 100
65 30.5 23.8 35.6





#40

Dibromomethane

Concen: 19.909 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

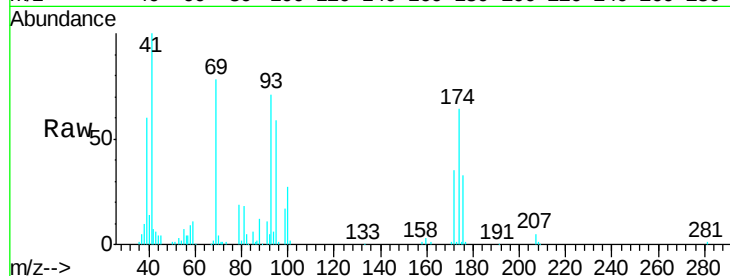
Tgt Ion: 93 Resp: 63314

Ion Ratio Lower Upper

93 100

95 83.3 0.0 167.6

174 93.7 0.0 187.2

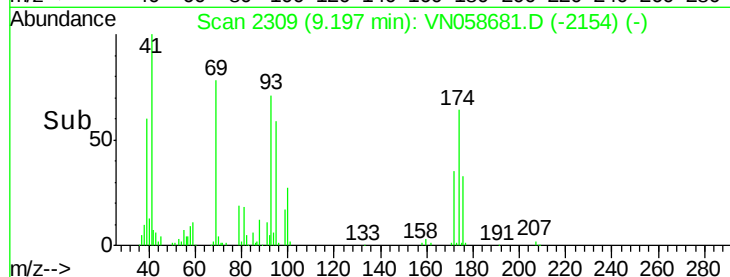


Abundance Ion 93.00 (92.70 to 93.70): VN058681.D (-2154) (-)

Ion 95.00 (94.70 to 95.70): VN058681.D (-2154) (-)

Ion 174.00 (173.70 to 174.70): VN058681.D (-2154) (-)

Time--> 9.10 9.15 9.20 9.25

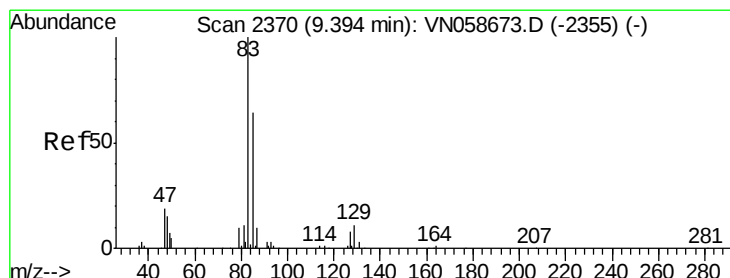


Abundance Ion 83.00 (82.70 to 83.70): VN058673.D (-2355) (-)

Ion 85.00 (84.70 to 85.70): VN058673.D (-2355) (-)

Ion 127.00 (126.70 to 127.70): VN058673.D (-2355) (-)

Time--> 9.30 9.35 9.40 9.45



#41

Bromodichloromethane

Concen: 19.676 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

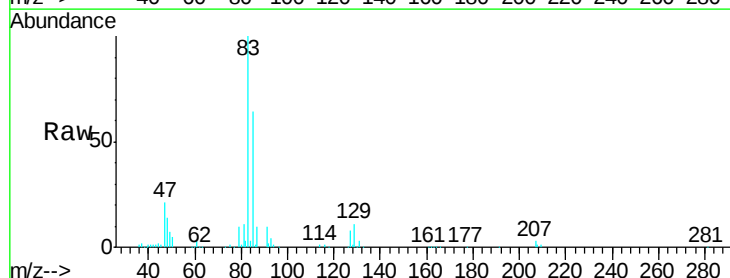
Tgt Ion: 83 Resp: 127828

Ion Ratio Lower Upper

83 100

85 64.0 51.0 76.4

127 8.0 6.6 9.8

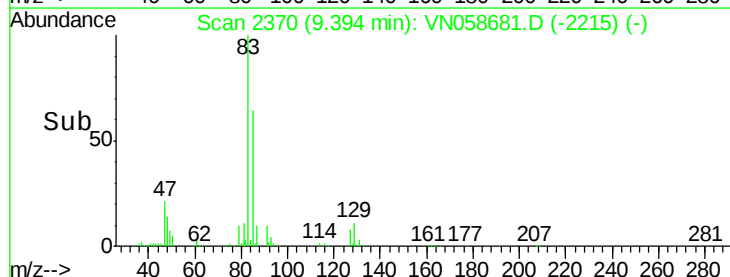


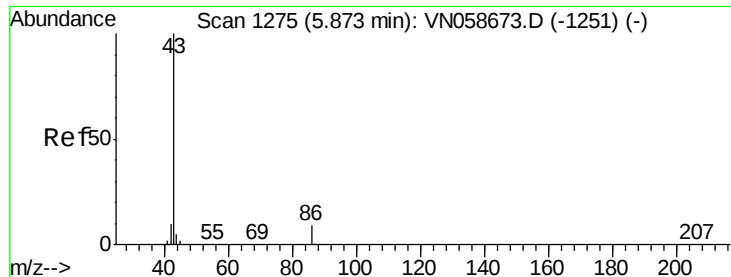
Abundance Ion 83.00 (82.70 to 83.70): VN058681.D (-2215) (-)

Ion 85.00 (84.70 to 85.70): VN058681.D (-2215) (-)

Ion 127.00 (126.70 to 127.70): VN058681.D (-2215) (-)

Time--> 9.30 9.35 9.40 9.45





#42

Vinyl Acetate

Concen: 100.776 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

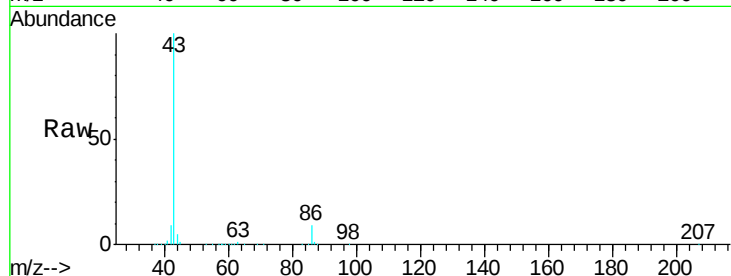
VN1011WBS01

Tgt Ion: 43 Resp: 1248783

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN058673.D (-1251) (-)

Ion 86.00 (85.70 to 86.70): VN058673.D (-1251) (-)

5.87

400000

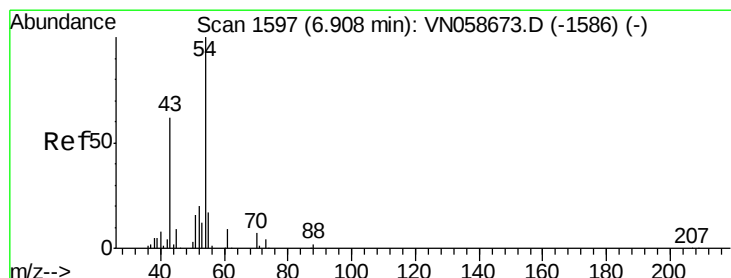
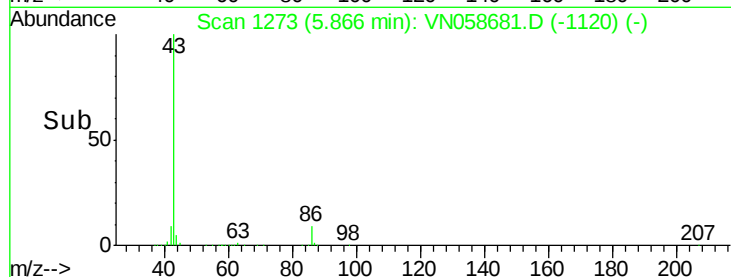
300000

200000

100000

0

Time-->



#43

Ethyl Acetate

Concen: 17.147 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN058681.D

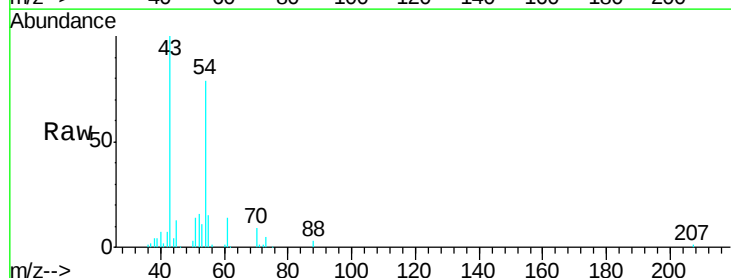
Acq: 10 Oct 2019 21:52

Tgt Ion: 43 Resp: 119080

Ion Ratio Lower Upper

43 100

45 14.1 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN058673.D (-1586) (-)

Ion 45.00 (44.70 to 45.70): VN058673.D (-1586) (-)

6.91

80000

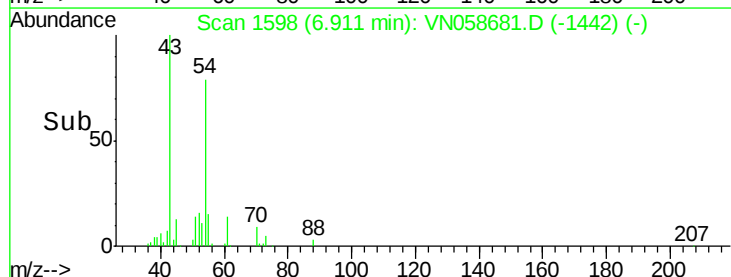
60000

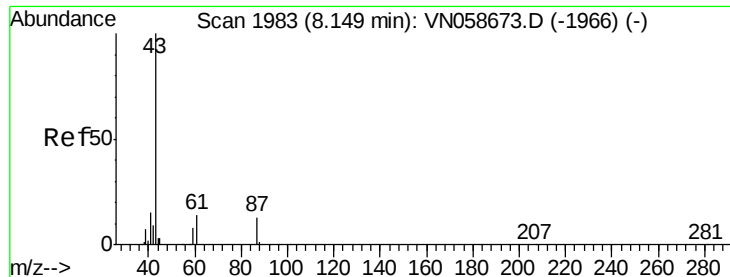
40000

20000

0

Time-->





#44

Isopropyl Acetate

Concen: 18.831 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

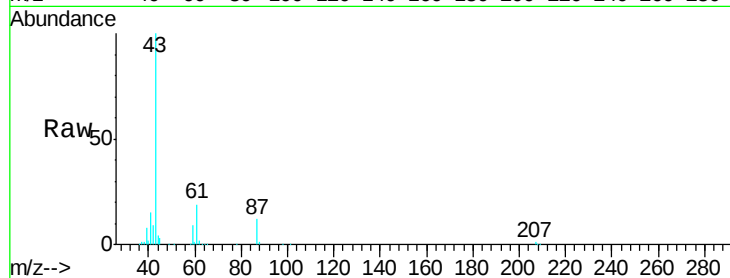
VN1011WBS01

Tgt Ion: 43 Resp: 211830

Ion Ratio Lower Upper

43 100

61 18.5 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN058673.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN058673.D (-1966) (-)

8.15

100000

80000

60000

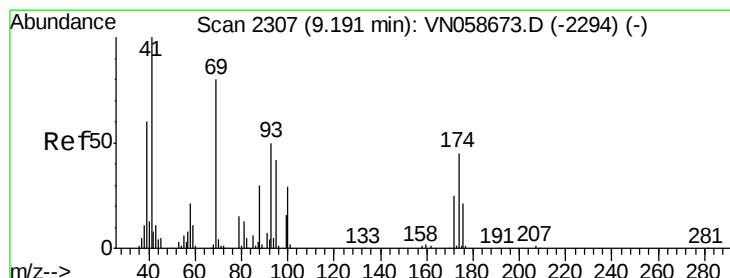
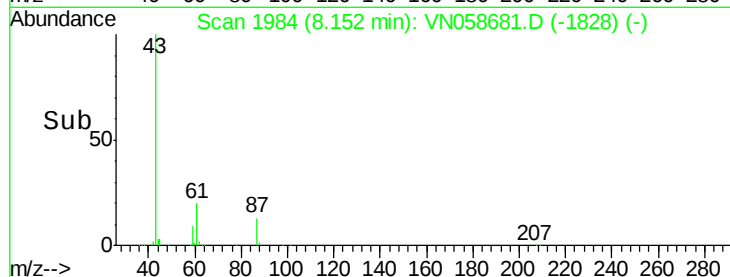
40000

20000

0

8.10 8.20

Time-->



#45

1,4-Dioxane

Concen: 139.596 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.01 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

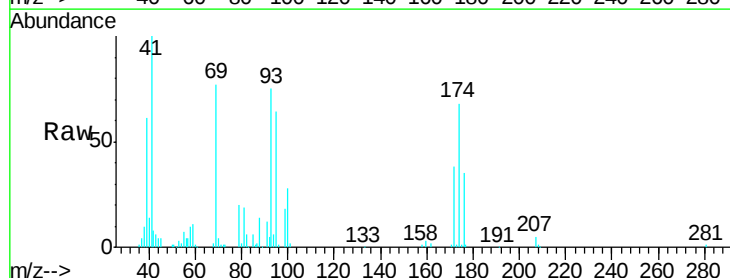
Tgt Ion: 88 Resp: 12058

Ion Ratio Lower Upper

88 100

43 42.8 29.8 44.8

58 73.4 58.2 87.4



Abundance Ion 88.00 (87.70 to 88.70): VN058673.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN058673.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN058673.D (-2294) (-)

9.20

100000

80000

60000

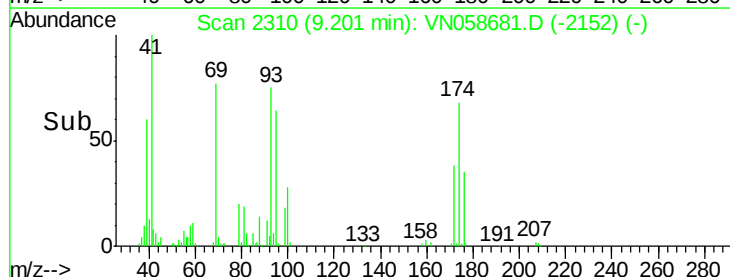
40000

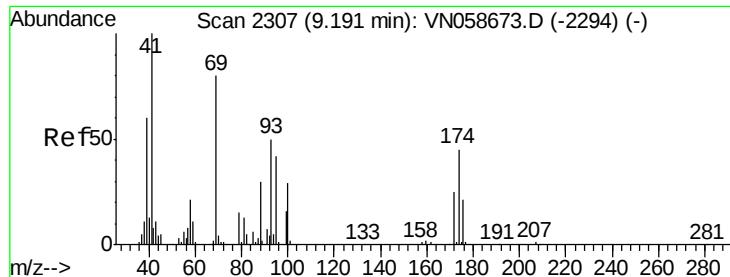
20000

0

9.15 9.20 9.25

Time-->

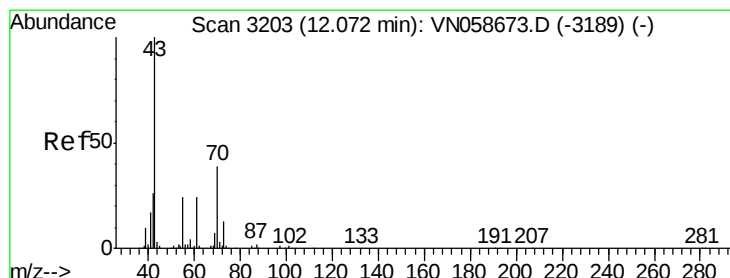
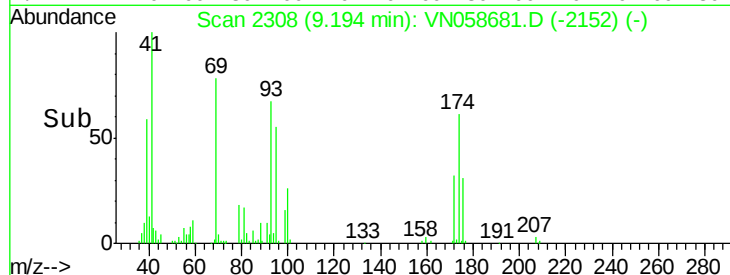
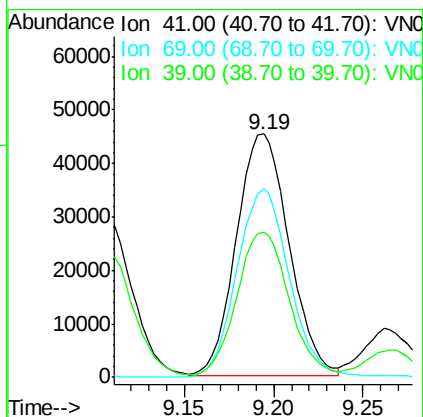
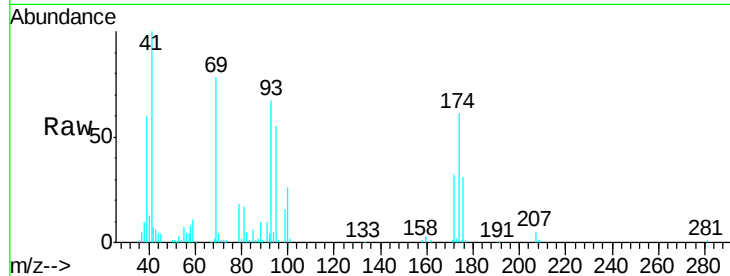




#46
Methyl methacrylate
Concen: 18.098 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

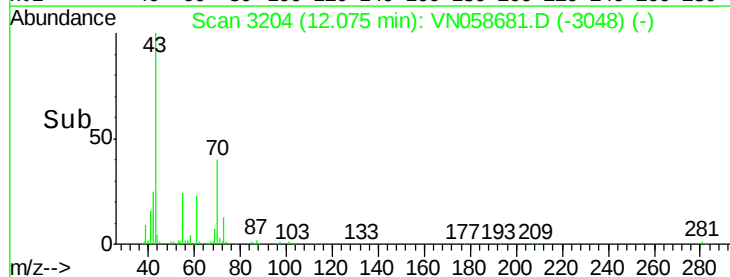
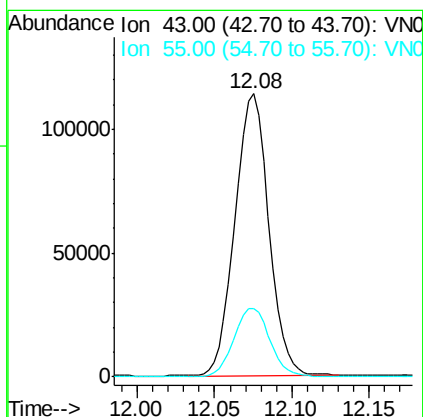
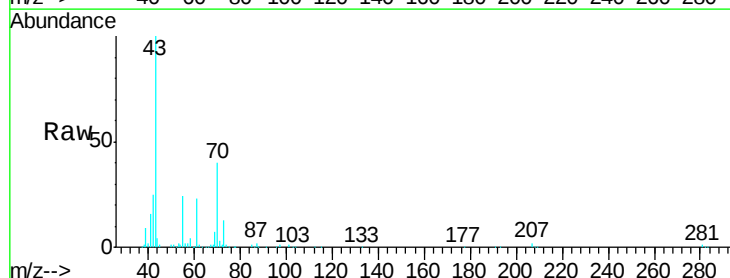
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

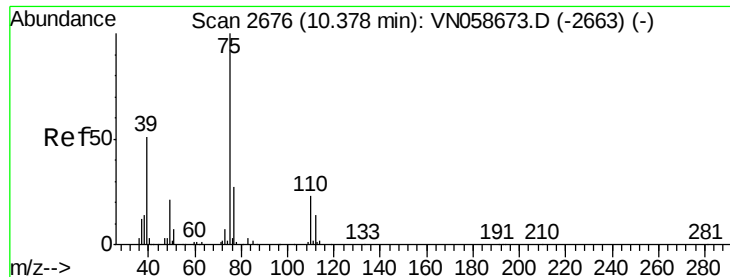
Tgt Ion: 41 Resp: 93465
Ion Ratio Lower Upper
41 100
69 78.8 40.2 120.5
39 59.3 29.9 89.8



#47
n-ethyl acetate
Concen: 17.417 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Tgt Ion: 43 Resp: 173681
Ion Ratio Lower Upper
43 100
55 25.8 19.6 29.4





#48

t-1,3-Dichloropropene

Concen: 18.323 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampled :

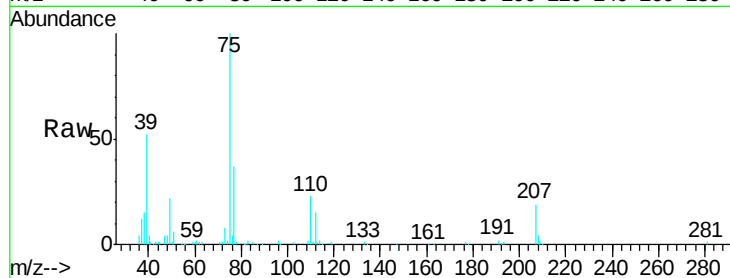
VN1011WBS01

Tgt Ion: 75 Resp: 138055

Ion Ratio Lower Upper

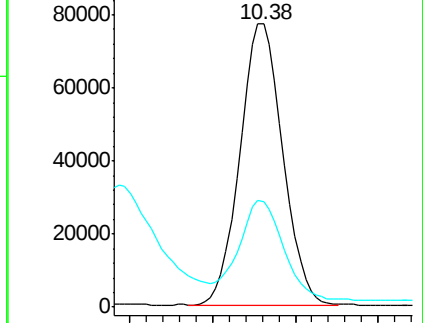
75 100

77 34.8 27.0 40.4

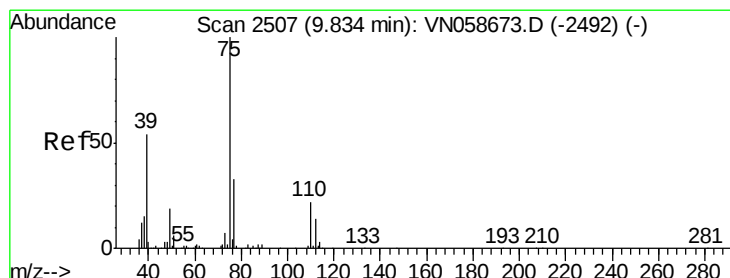
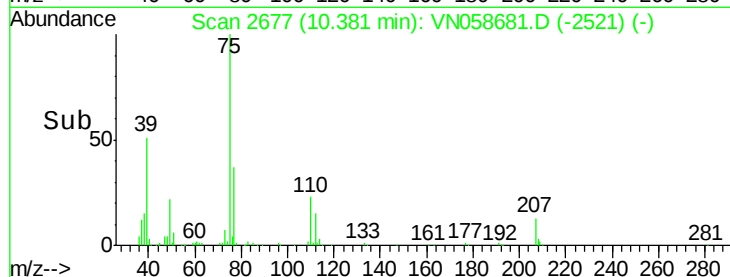


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->



#49

cis-1,3-Dichloropropene

Concen: 18.859 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

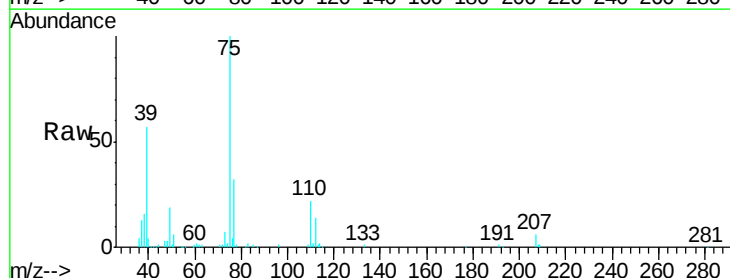
Tgt Ion: 75 Resp: 149212

Ion Ratio Lower Upper

75 100

77 32.0 26.1 39.1

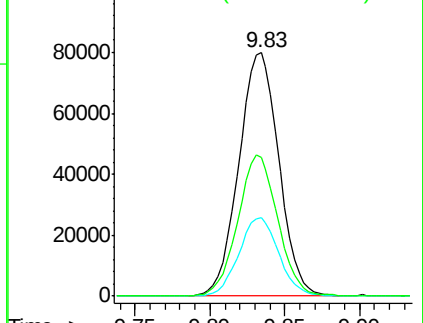
39 56.9 43.1 64.7



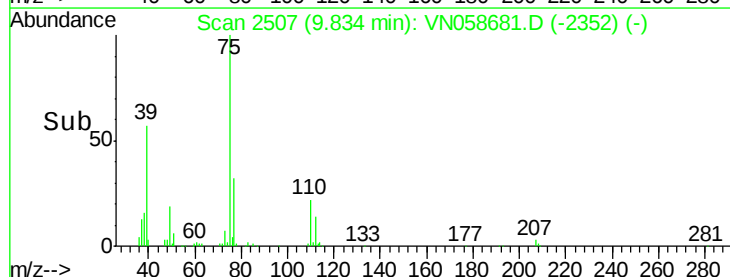
Abundance Ion 75.00 (74.70 to 75.70): VN0

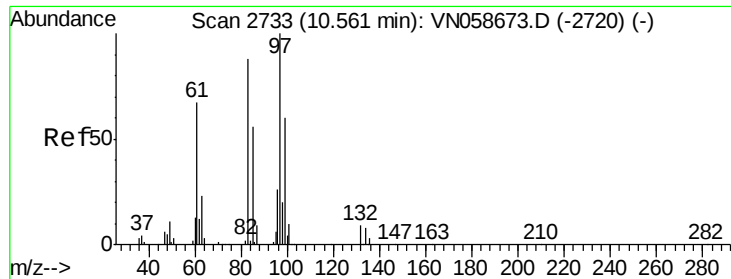
Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->





#50

1,1,2-Trichloroethane

Concen: 19.578 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion: 97 Resp: 88880

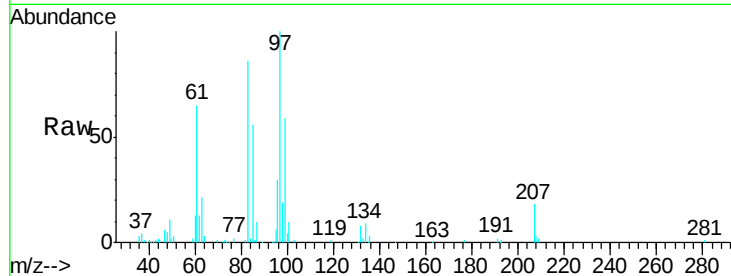
Ion Ratio Lower Upper

97 100

83 86.2 70.7 106.1

85 56.2 45.1 67.7

99 59.1 48.2 72.4

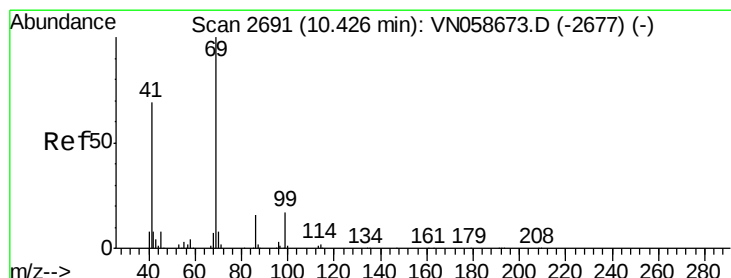
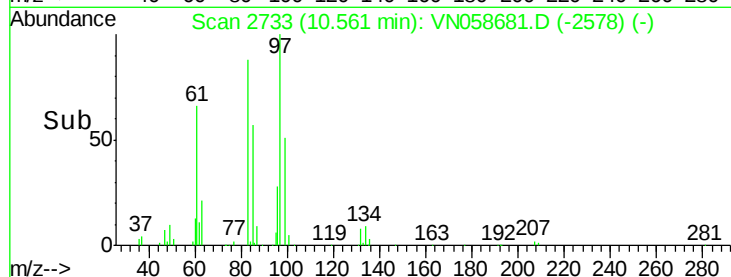
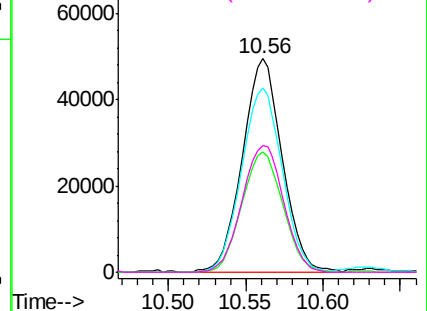


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



#51

Ethyl methacrylate

Concen: 17.551 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

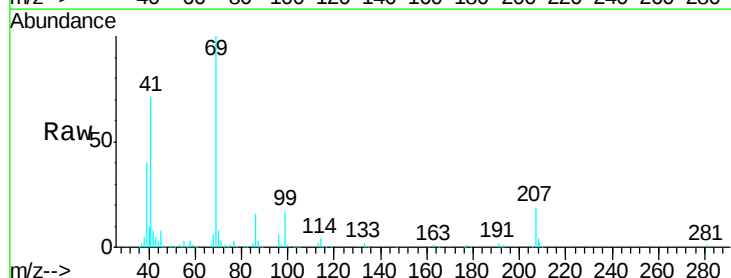
Tgt Ion: 69 Resp: 127404

Ion Ratio Lower Upper

69 100

41 69.9 34.7 104.1

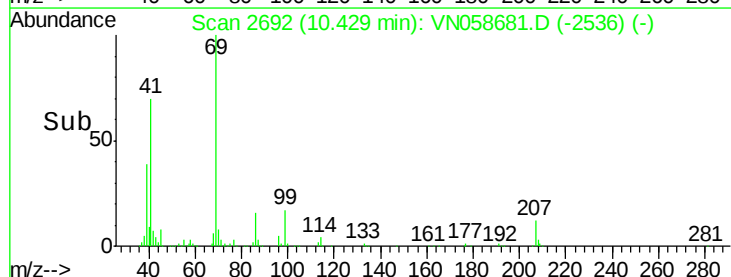
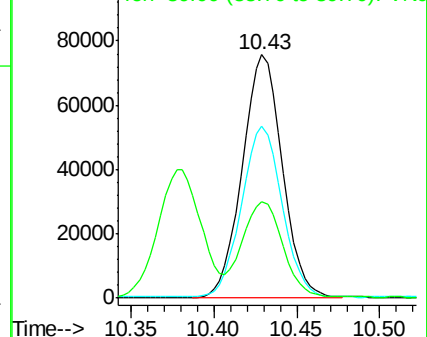
39 39.0 20.3 60.8

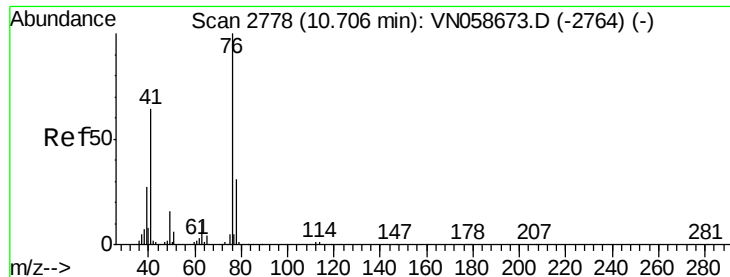


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#52

1,3-Dichloropropane

Concen: 19.318 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

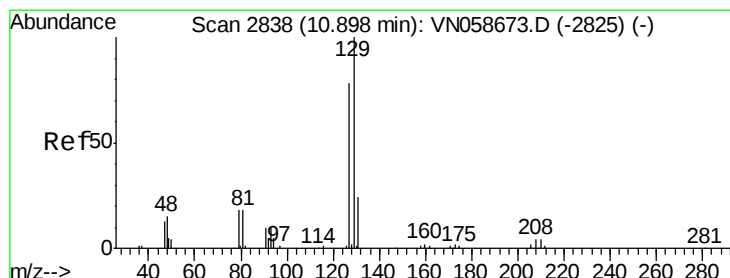
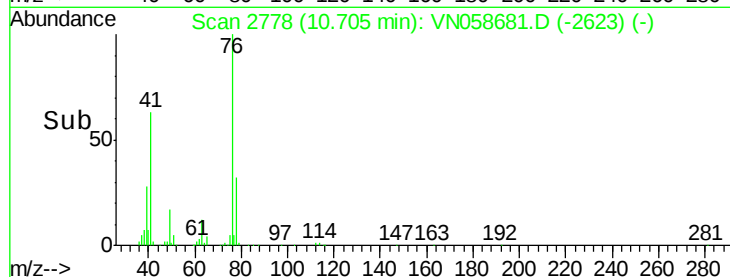
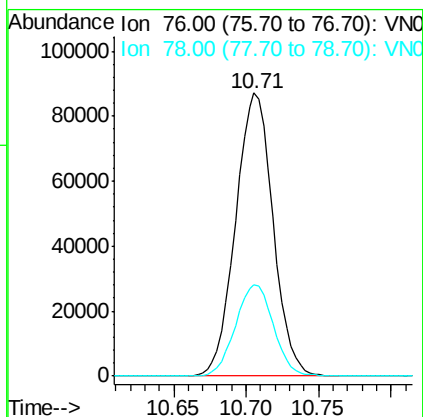
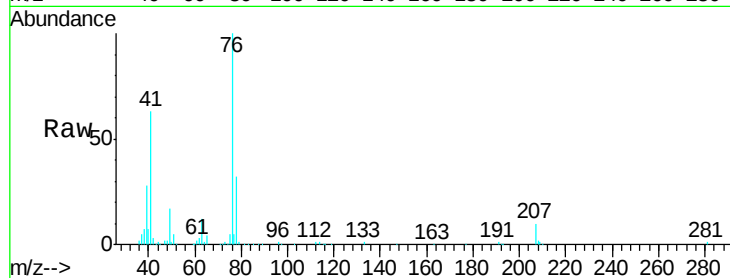
VN1011WBS01

Tgt Ion: 76 Resp: 156179

Ion Ratio Lower Upper

76 100

78 32.9 0.0 63.2



#53

Dibromochloromethane

Concen: 18.329 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058681.D

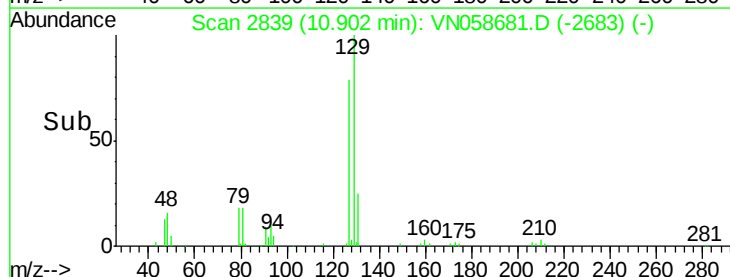
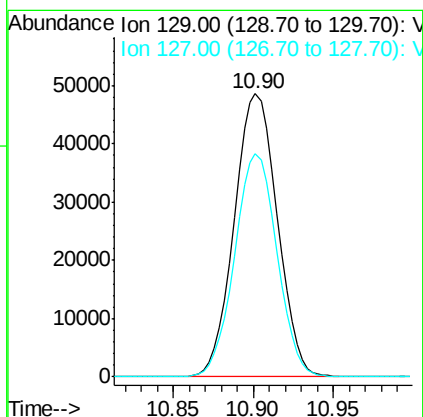
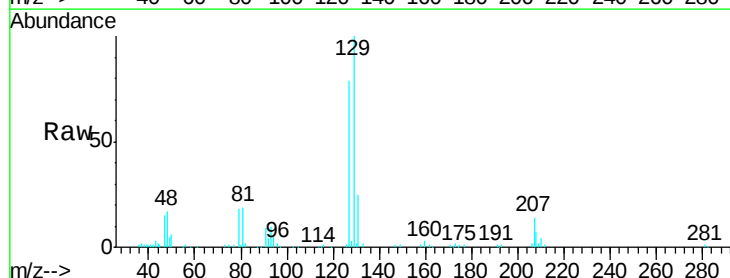
Acq: 10 Oct 2019 21:52

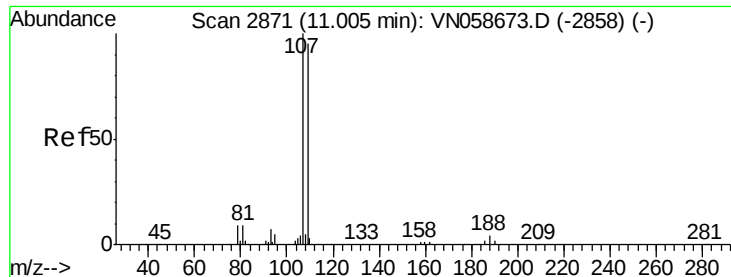
Tgt Ion: 129 Resp: 89300

Ion Ratio Lower Upper

129 100

127 77.4 39.1 117.5





#54

1,2-Dibromoethane

Concen: 19.224 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

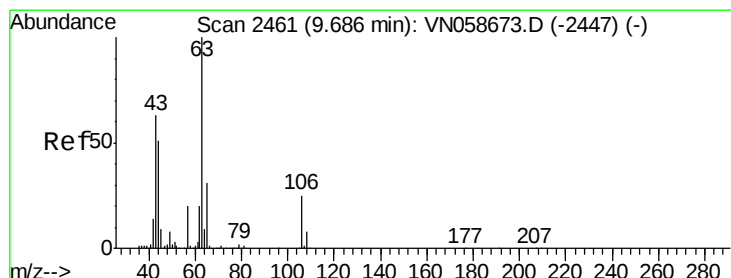
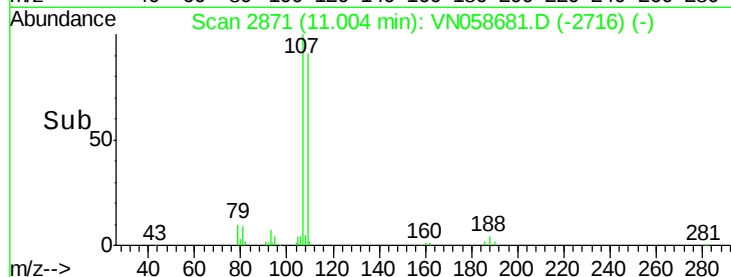
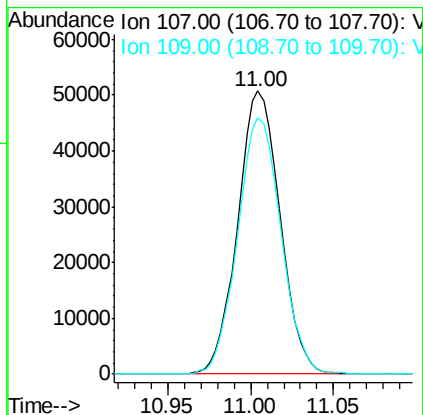
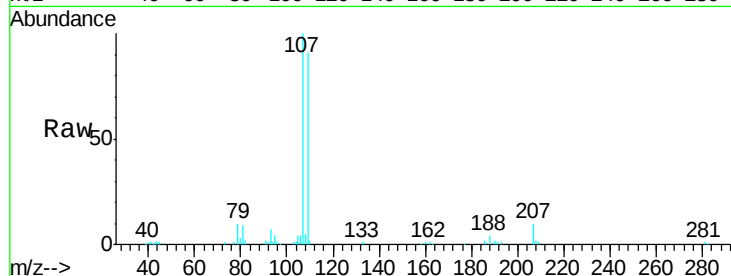
VN1011WBS01

Tgt Ion: 107 Resp: 90458

Ion Ratio Lower Upper

107 100

109 92.6 76.2 114.4



#55

2-Chloroethyl vinyl ether

Concen: 95.455 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

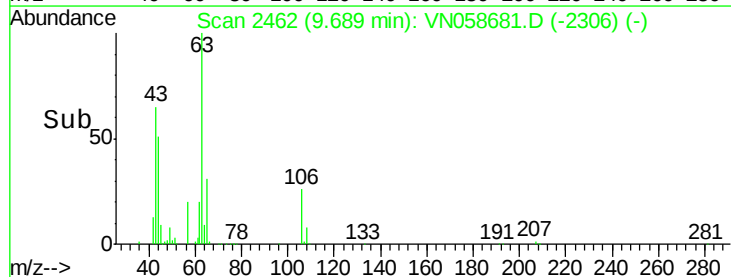
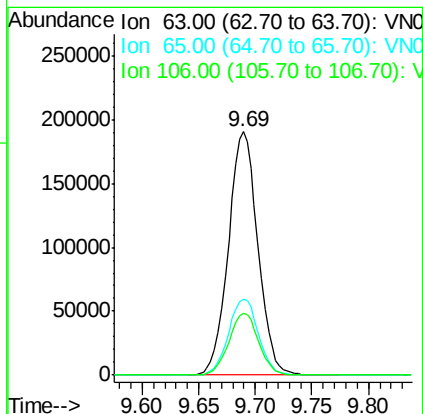
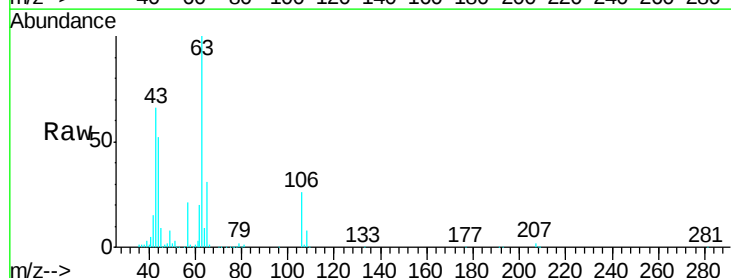
Tgt Ion: 63 Resp: 344683

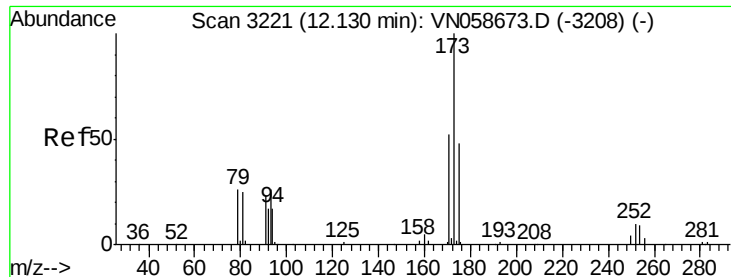
Ion Ratio Lower Upper

63 100

65 31.8 25.3 37.9

106 25.6 19.8 29.6

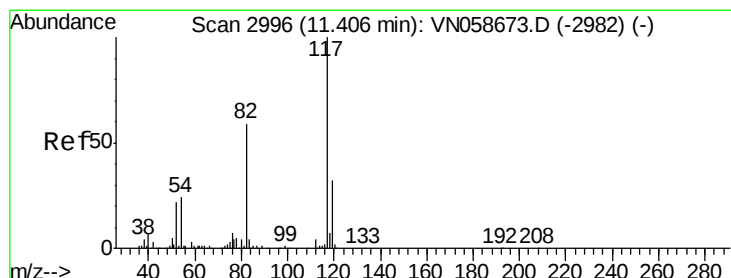
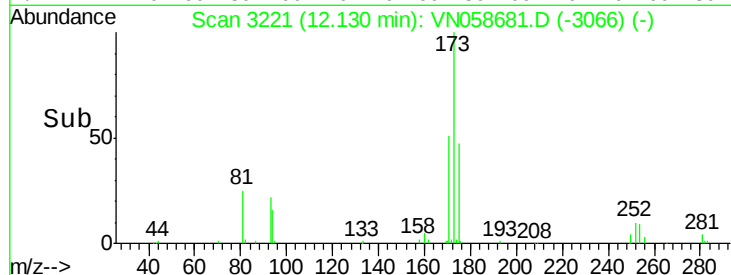
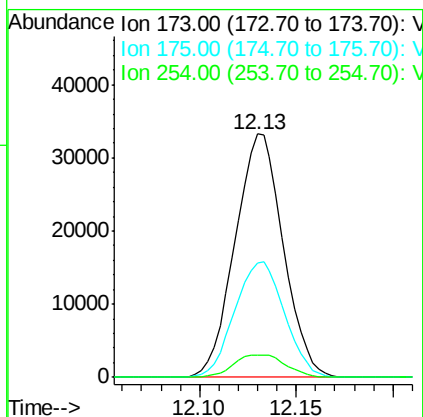
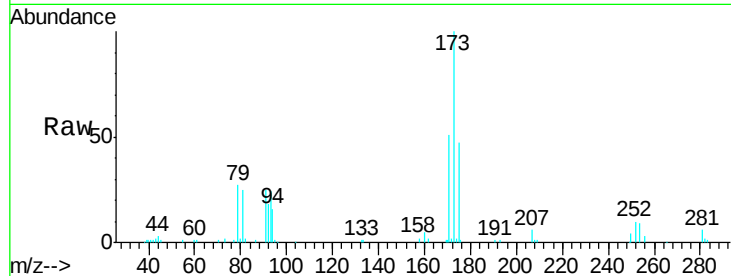




#56
Bromoform
Concen: 16.953 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

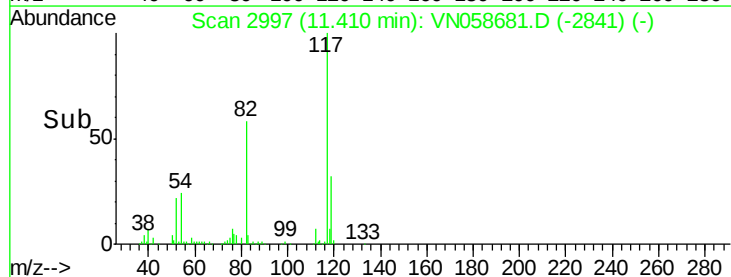
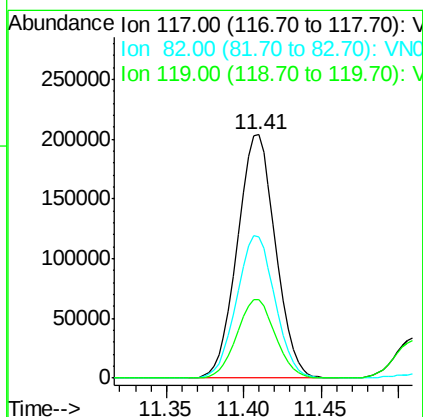
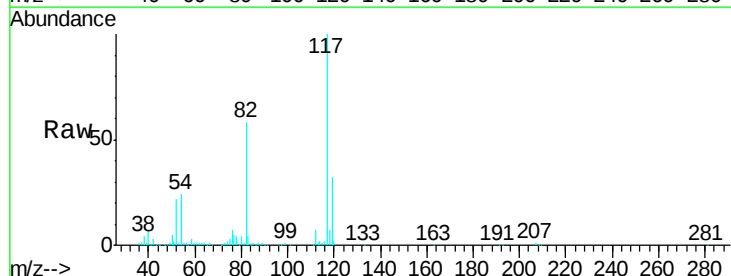
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

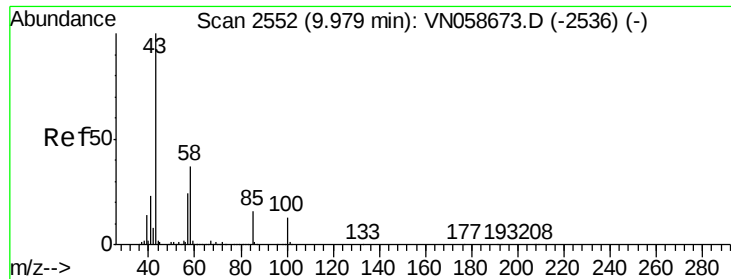
Tgt Ion:173 Resp: 57536
Ion Ratio Lower Upper
173 100
175 49.0 38.7 58.1
254 10.0 7.4 11.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Tgt Ion:117 Resp: 349815
Ion Ratio Lower Upper
117 100
82 58.9 46.9 70.3
119 32.7 25.8 38.6

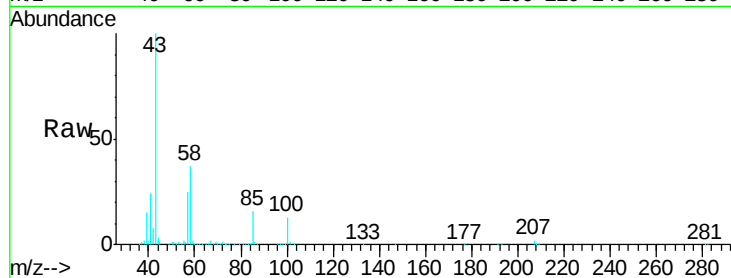




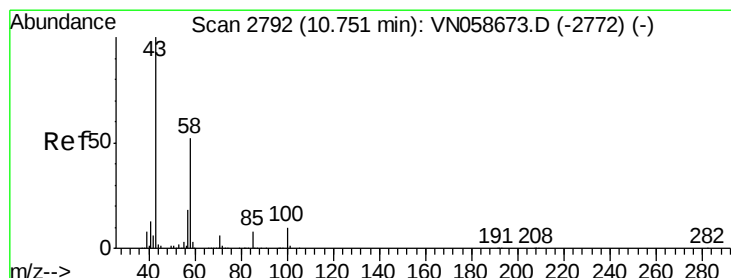
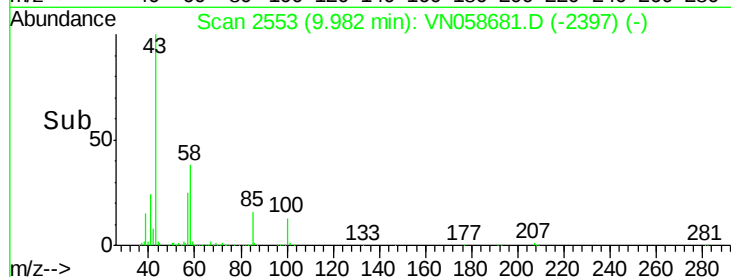
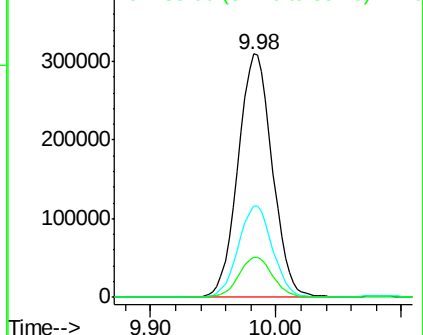
#58
 4-Methyl-2-Pentanone
 Concen: 91.939 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Tgt Ion: 43 Resp: 586712
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.1 45.1
 85 16.3 13.2 19.8

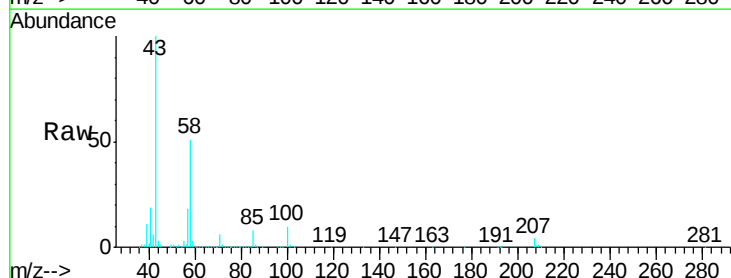


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

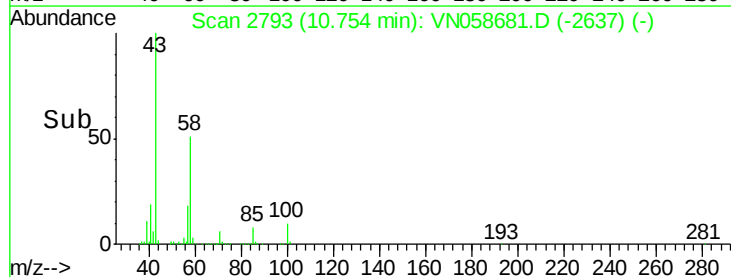
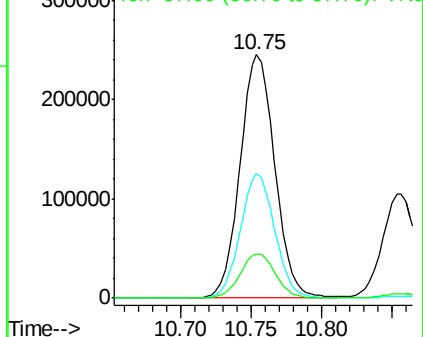


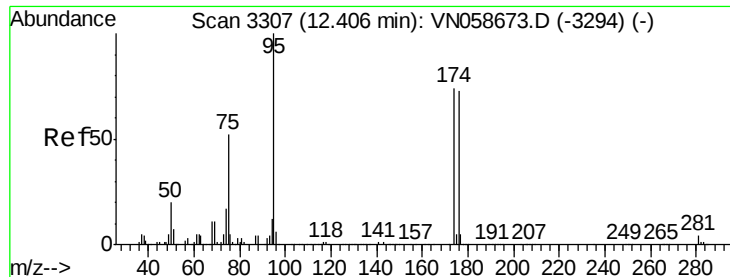
#59
 2-Hexanone
 Concen: 84.296 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

Tgt Ion: 43 Resp: 421728
 Ion Ratio Lower Upper
 43 100
 58 51.1 41.4 62.0
 57 18.4 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0

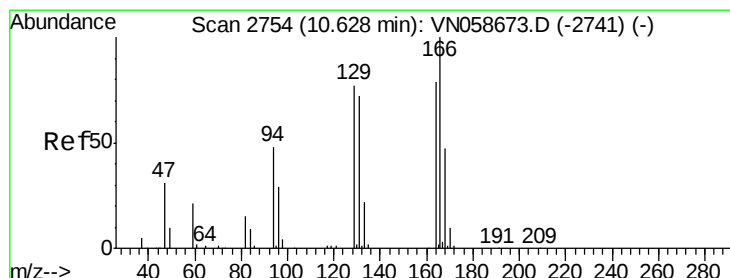
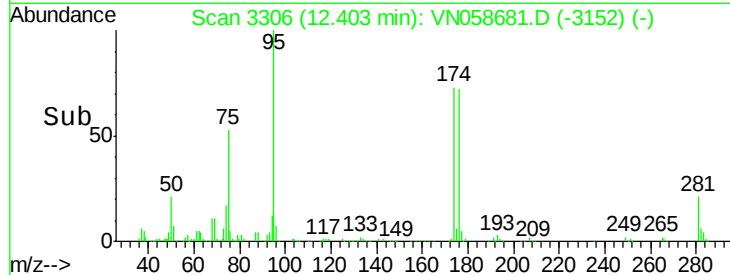
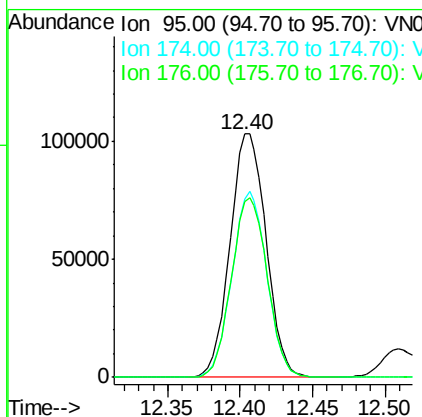
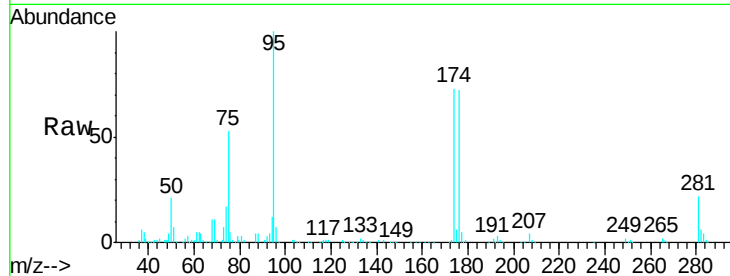




#60
4-Bromofluorobenzene
Concen: 29.101 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

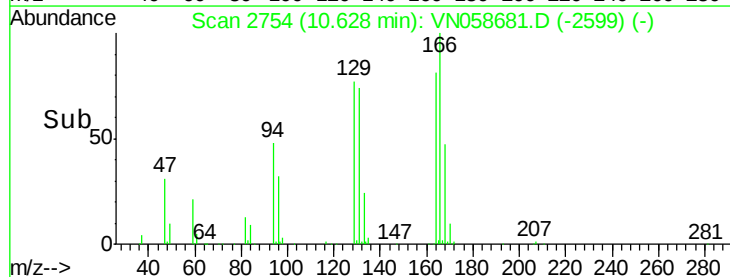
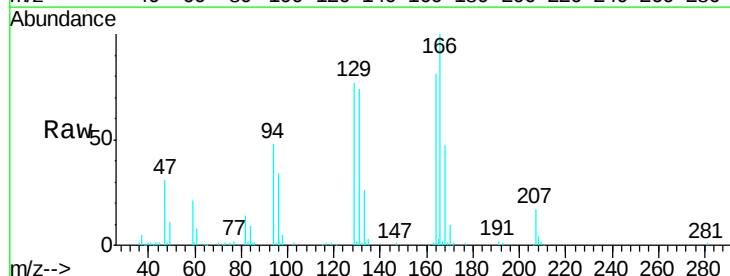
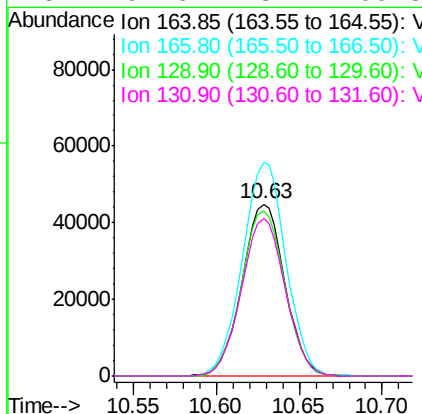
Instrument :
MSVOA_N
ClientSampled :
VN1011WBS01

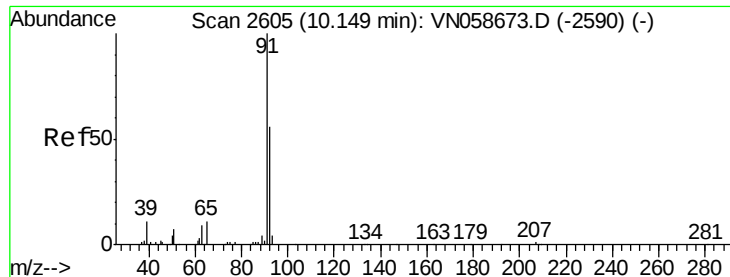
Tgt Ion: 95 Resp: 178072
Ion Ratio Lower Upper
95 100
174 73.8 59.9 89.9
176 73.5 58.3 87.5



#61
Tetrachloroethene
Concen: 21.333 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Tgt Ion: 164 Resp: 80640
Ion Ratio Lower Upper
164 100
166 124.1 101.4 152.2
129 95.8 78.1 117.1
131 91.6 73.2 109.8





#62

Toluene

Concen: 21.032 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

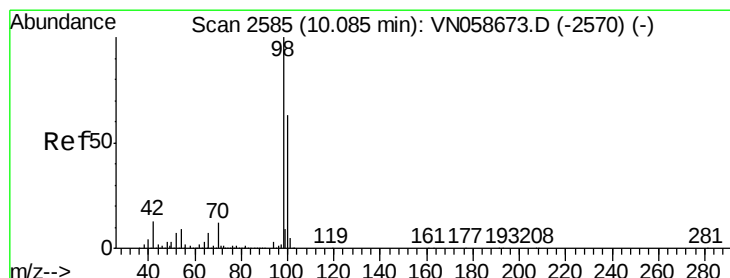
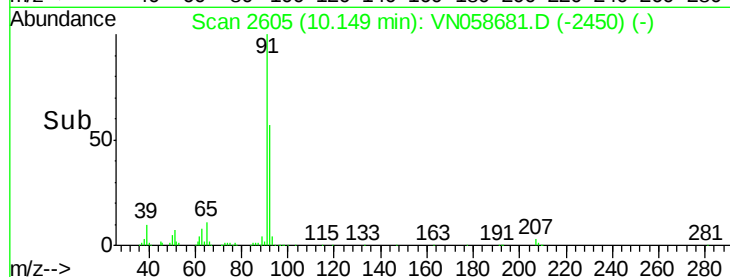
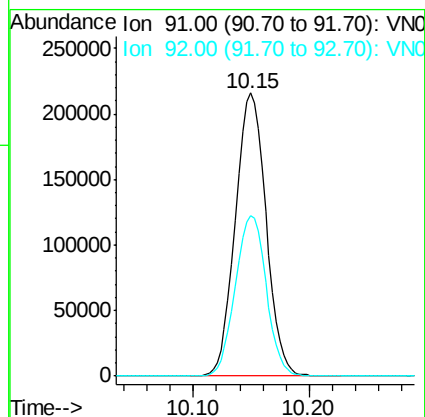
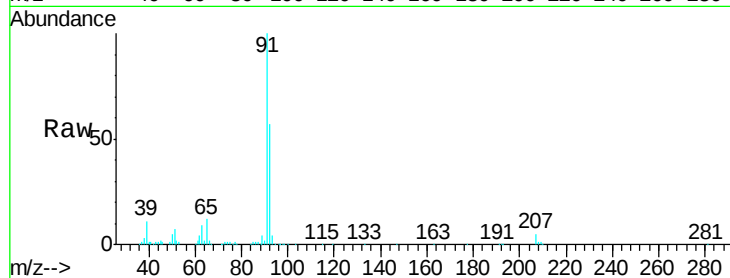
VN1011WBS01

Tgt Ion: 91 Resp: 395751

Ion Ratio Lower Upper

91 100

92 57.3 45.4 68.2



#63

Toluene-d8

Concen: 31.092 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058681.D

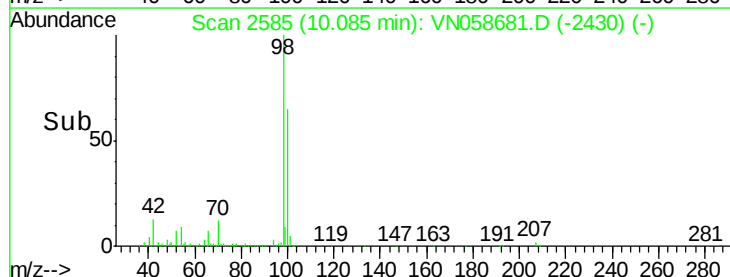
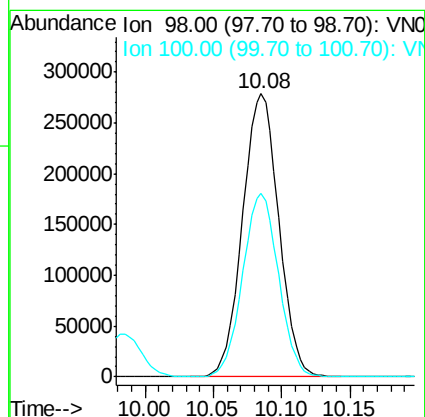
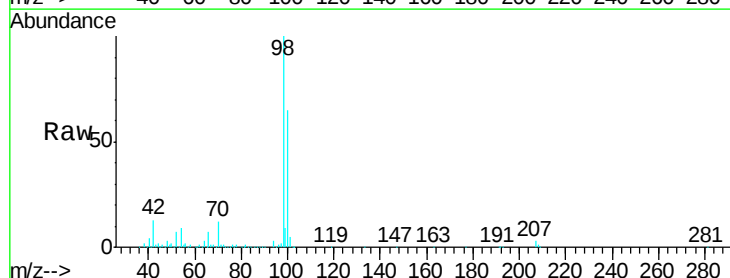
Acq: 10 Oct 2019 21:52

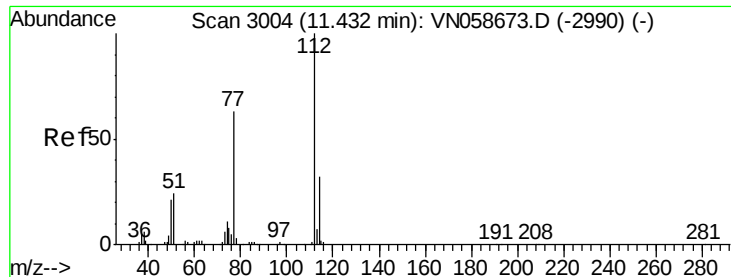
Tgt Ion: 98 Resp: 513538

Ion Ratio Lower Upper

98 100

100 64.0 50.6 75.8

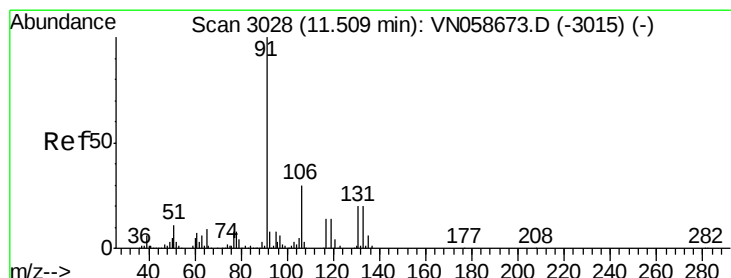
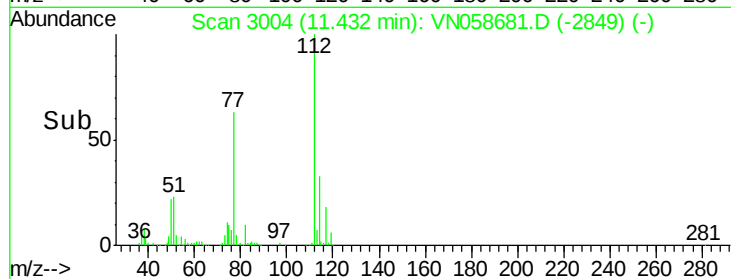
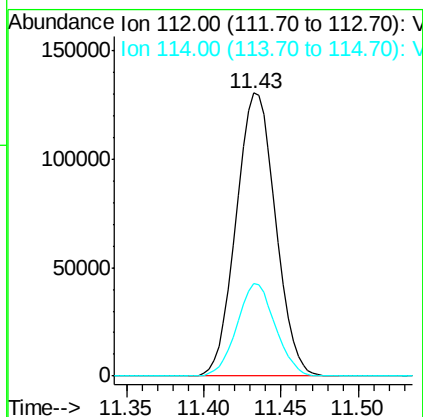
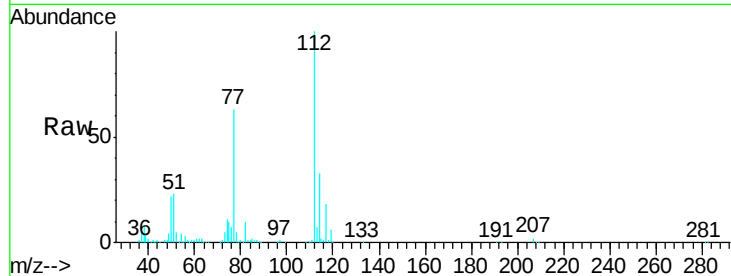




#64
Chlorobenzene
Concen: 20.128 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

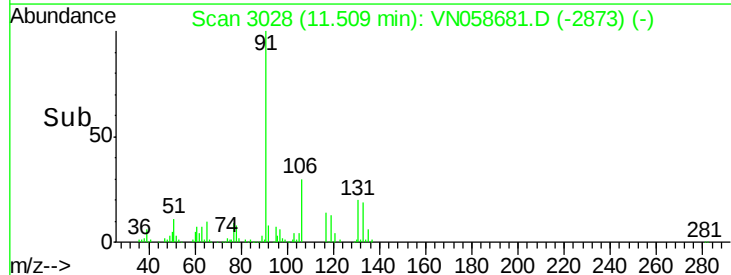
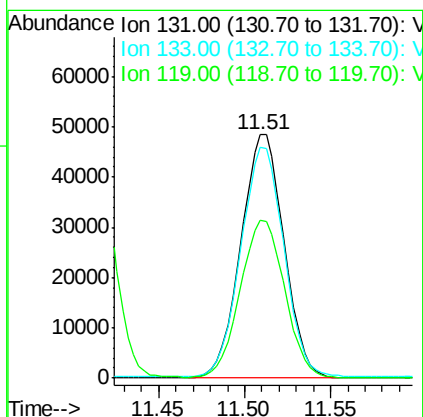
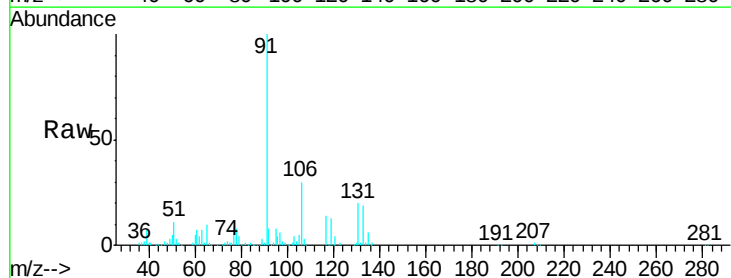
Instrument :
MSVOA_N
ClientSampled :
VN1011WBS01

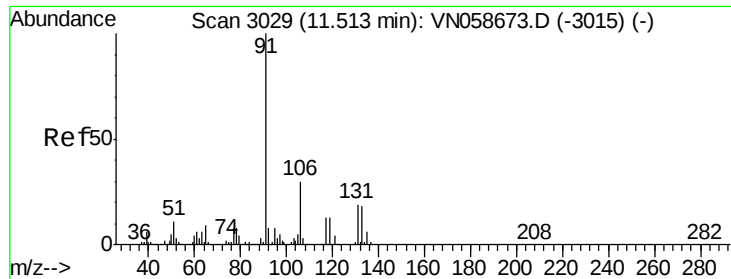
Tgt Ion:112 Resp: 231561
Ion Ratio Lower Upper
112 100
114 32.5 25.7 38.5



#65
1,1,1,2-Tetrachloroethane
Concen: 19.636 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Tgt Ion:131 Resp: 84703
Ion Ratio Lower Upper
131 100
133 94.3 0.0 194.0
119 66.8 0.0 136.8





#66

Ethyl Benzene

Concen: 20.384 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

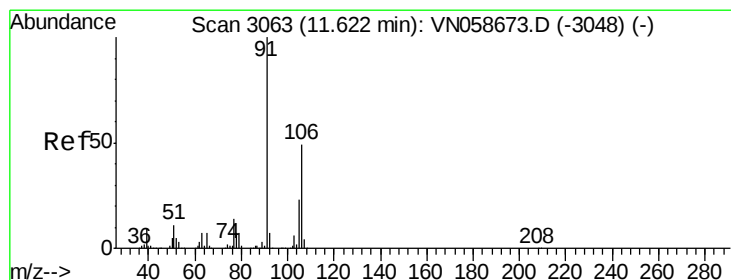
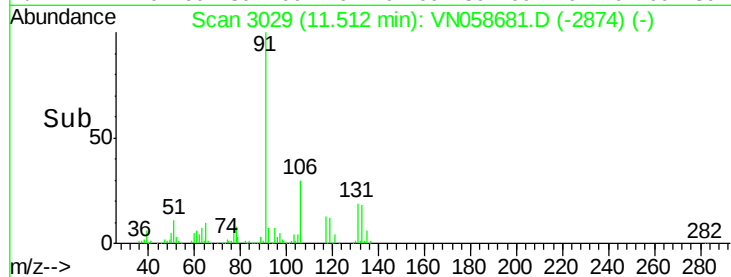
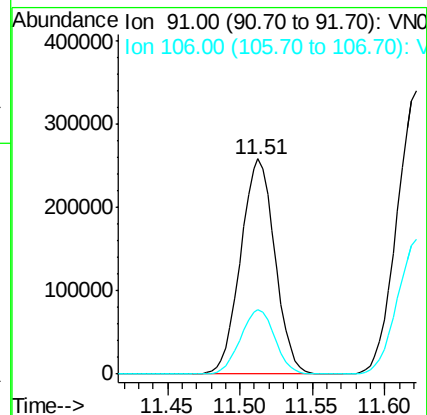
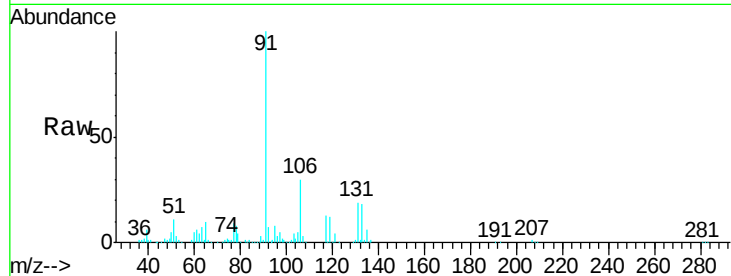
VN1011WBS01

Tgt Ion: 91 Resp: 424714

Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.4



#67

m/p-Xylenes

Concen: 39.803 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058681.D

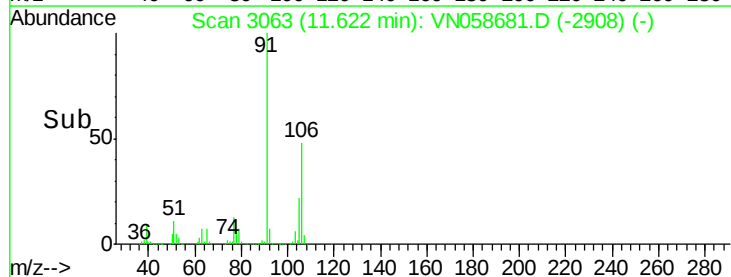
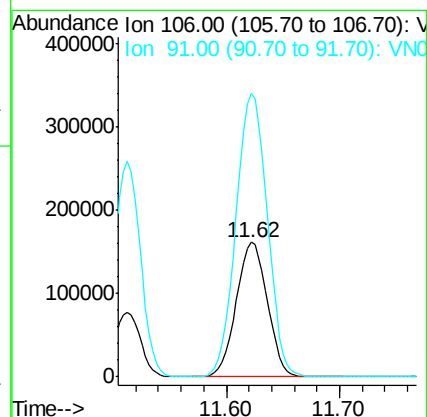
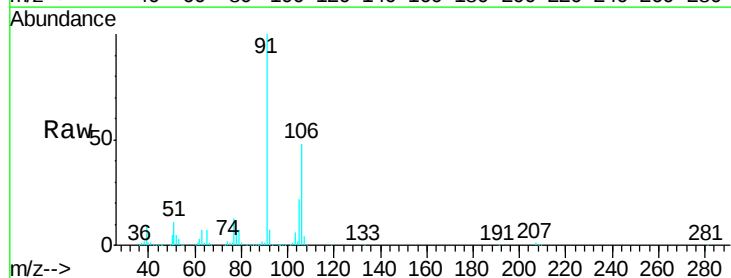
Acq: 10 Oct 2019 21:52

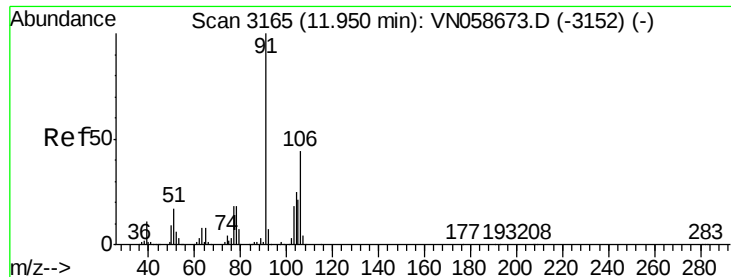
Tgt Ion: 106 Resp: 309841

Ion Ratio Lower Upper

106 100

91 212.2 165.6 248.4

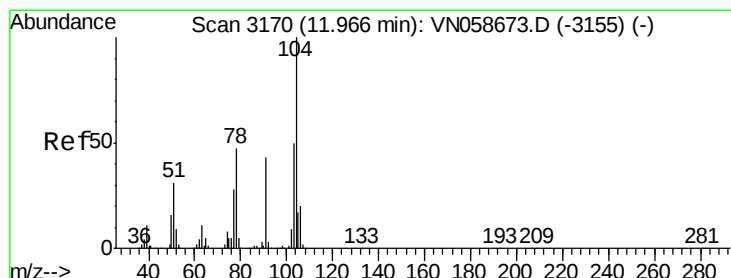
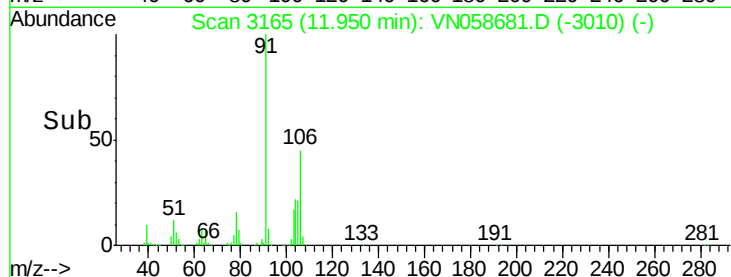
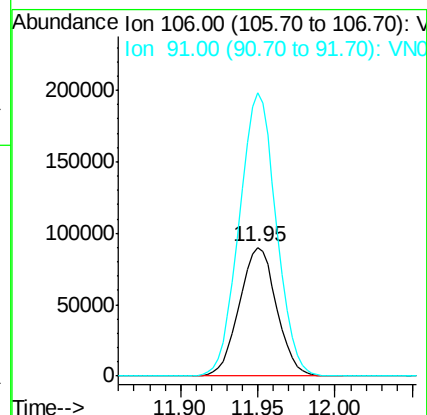
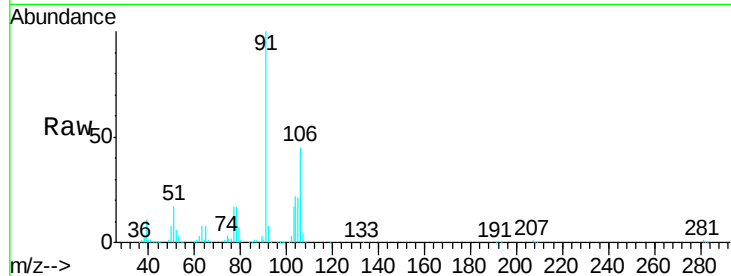




#68
o-Xylene
Concen: 19.927 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

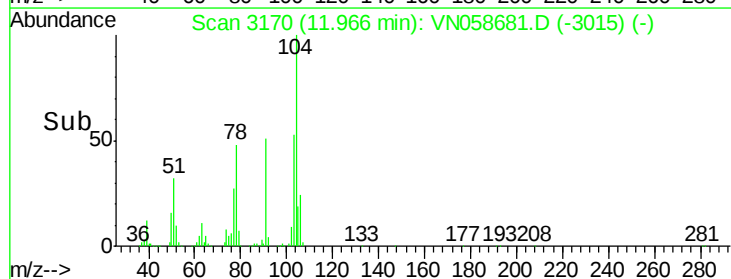
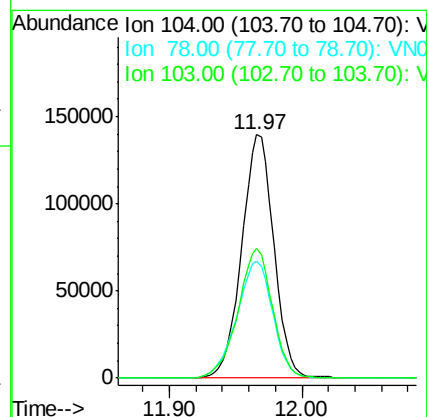
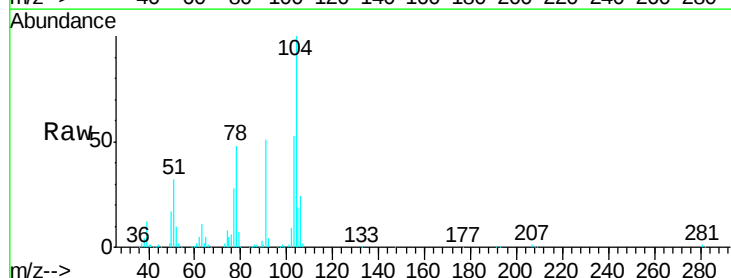
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

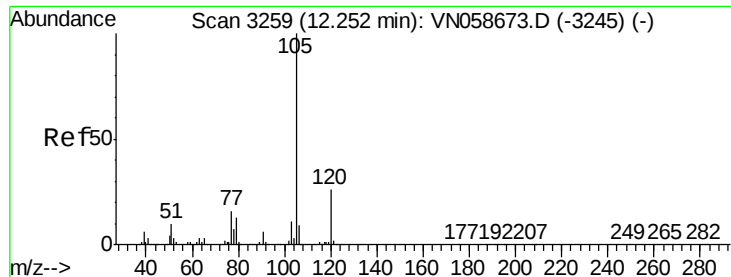
Tgt Ion:106 Resp: 150378
Ion Ratio Lower Upper
106 100
91 218.9 109.8 329.4



#69
Styrene
Concen: 18.879 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Tgt Ion:104 Resp: 235367
Ion Ratio Lower Upper
104 100
78 53.7 42.4 63.6
103 57.2 44.6 66.8





#70

Isopropylbenzene

Concen: 20.016 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampled :

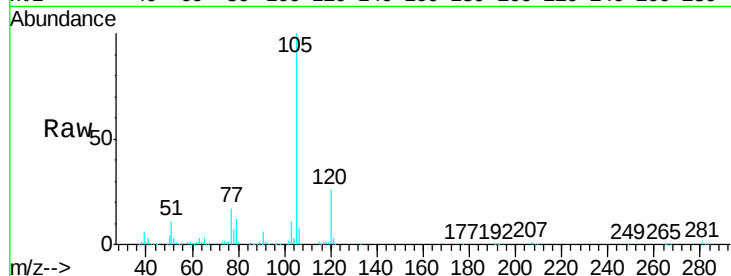
VN1011WBS01

Tgt Ion: 105 Resp: 407799

Ion Ratio Lower Upper

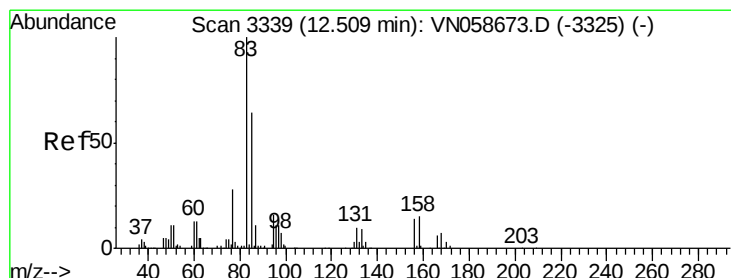
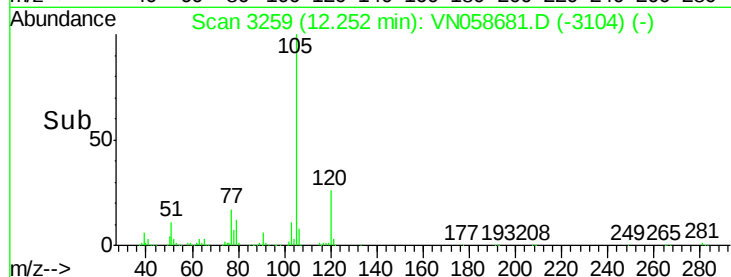
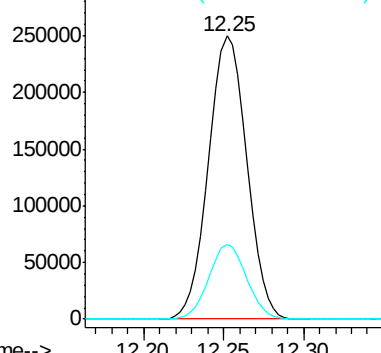
105 100

120 25.8 18.4 34.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 18.268 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

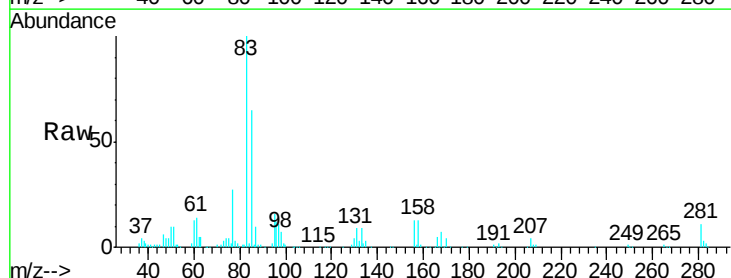
Tgt Ion: 83 Resp: 125299

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

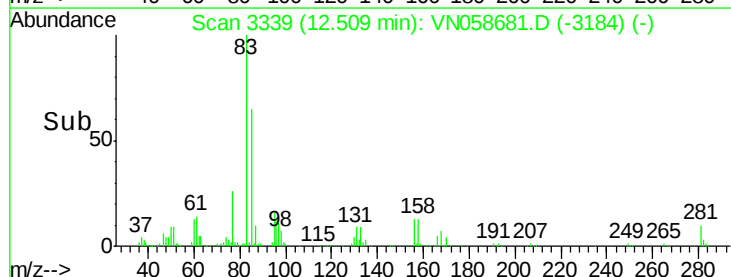
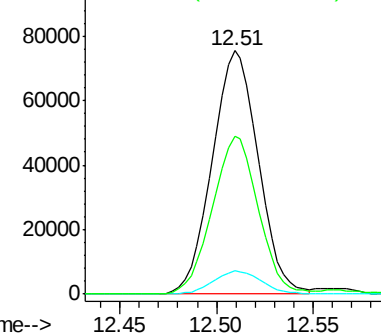
85 64.8 31.6 94.7

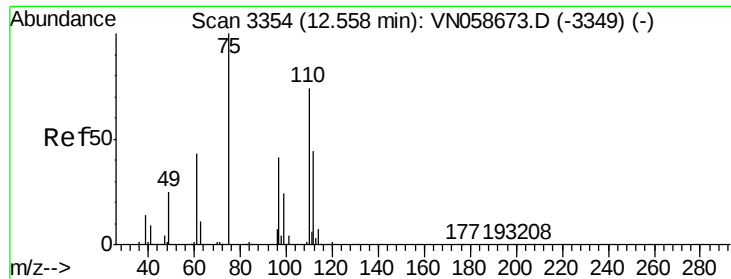


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): V





#72

1,2,3-Trichloropropane

Concen: 26.792 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

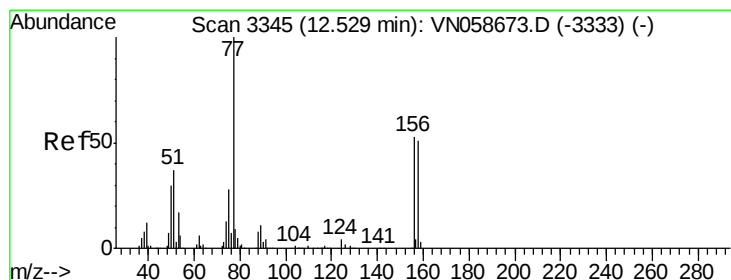
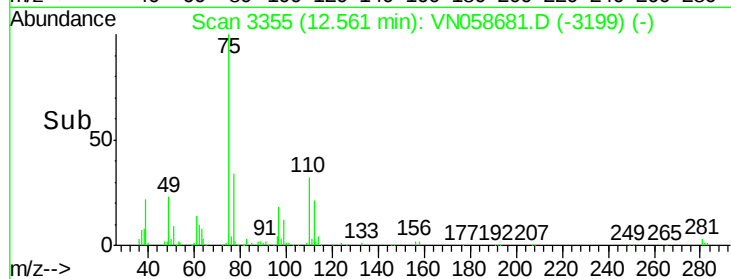
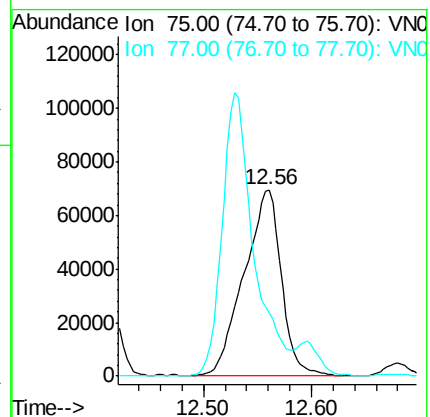
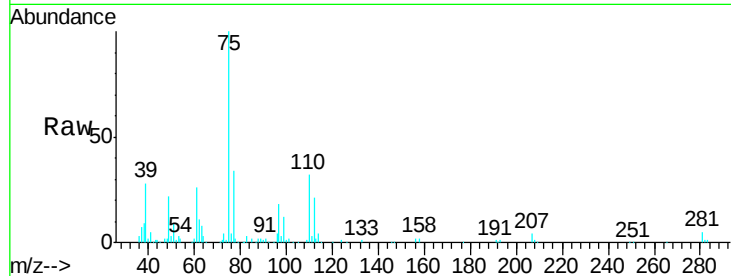
VN1011WBS01

Tgt Ion: 75 Resp: 166518

Ion Ratio Lower Upper

75 100

77 128.1 0.0 359.4



#73

Bromobenzene

Concen: 18.968 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

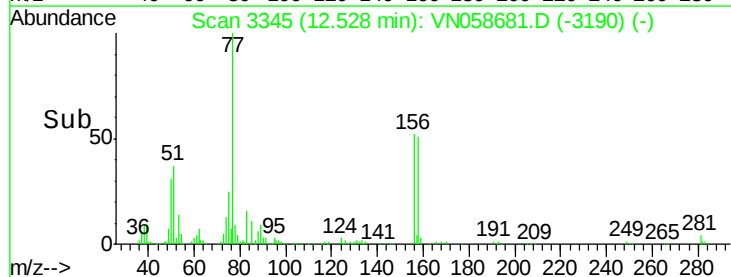
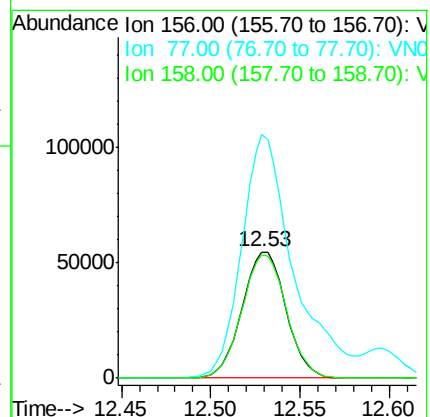
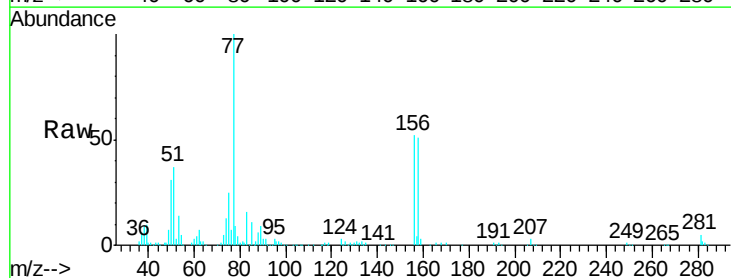
Tgt Ion: 156 Resp: 93869

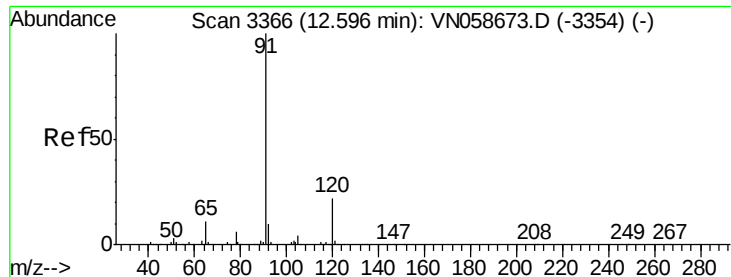
Ion Ratio Lower Upper

156 100

77 227.2 0.0 456.0

158 99.0 0.0 195.4





#74

n-propylbenzene

Concen: 20.076 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

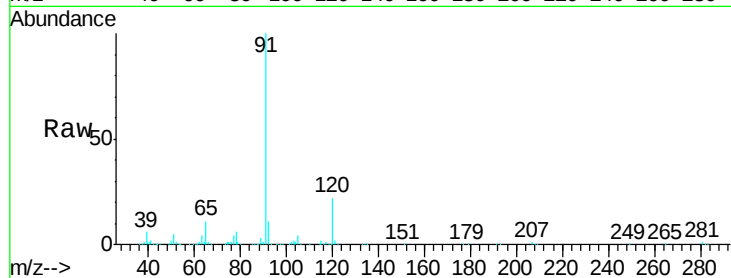
VN1011WBS01

Tgt Ion: 91 Resp: 478780

Ion Ratio Lower Upper

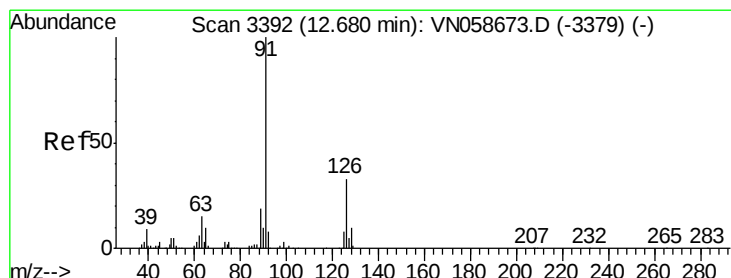
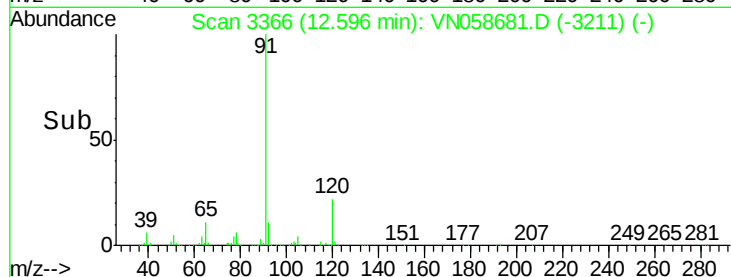
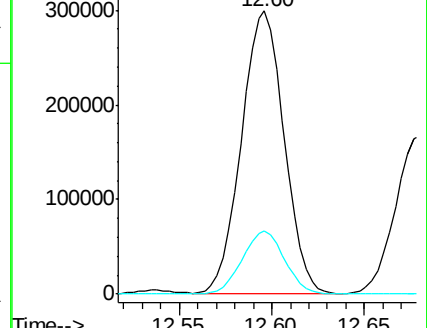
91 100

120 22.0 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 19.571 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058681.D

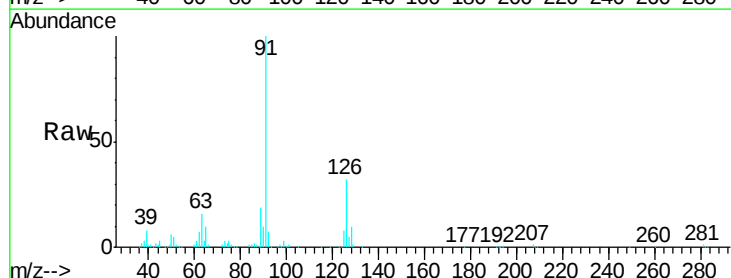
Acq: 10 Oct 2019 21:52

Tgt Ion: 91 Resp: 280816

Ion Ratio Lower Upper

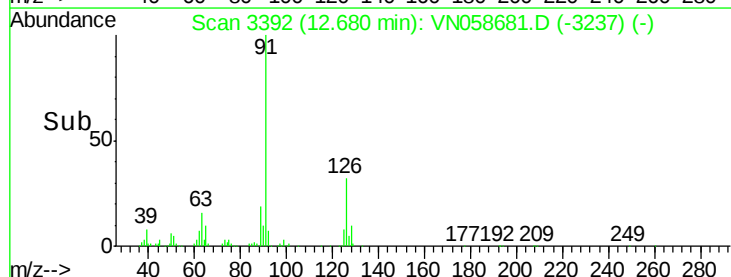
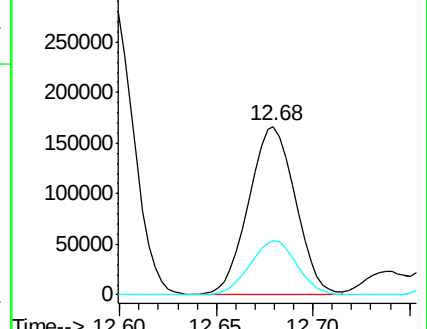
91 100

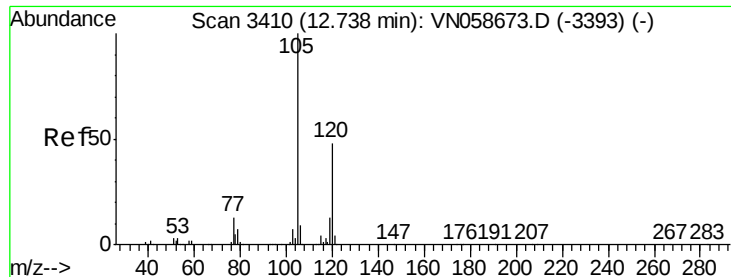
126 32.3 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

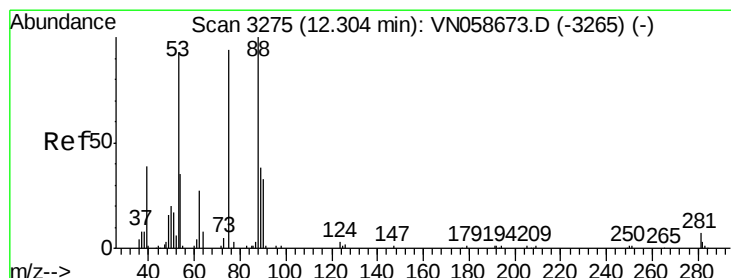
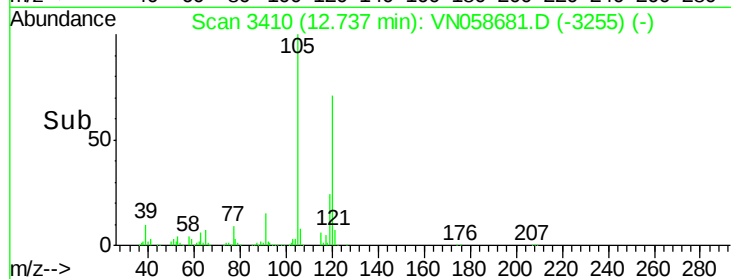
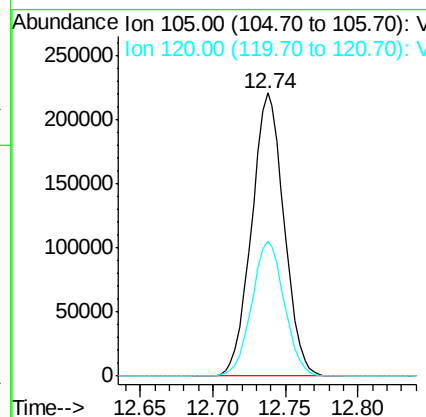
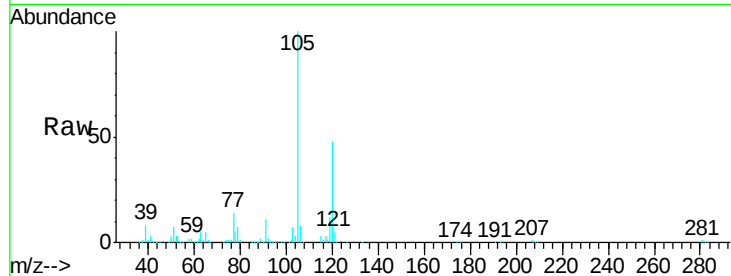




#76
 1,3,5-Trimethylbenzene
 Concen: 19.732 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

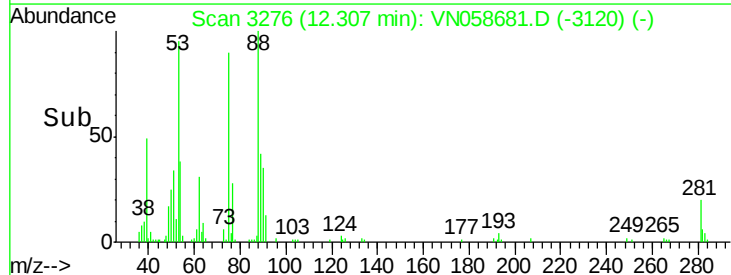
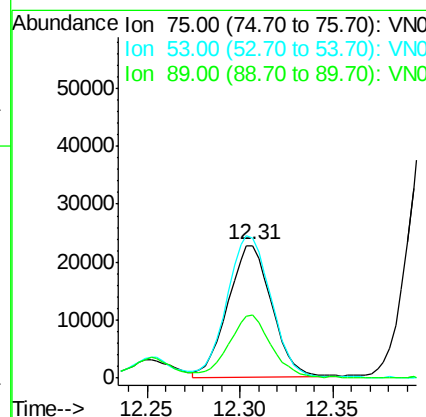
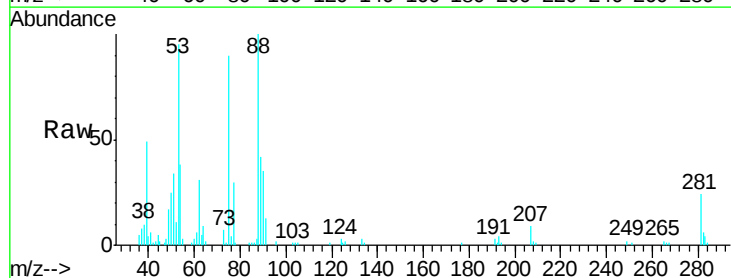
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

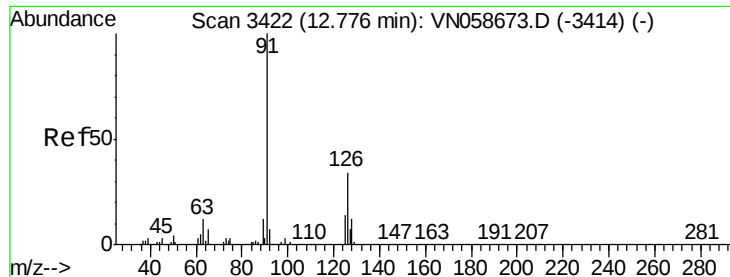
Tgt Ion: 105 Resp: 344335
 Ion Ratio Lower Upper
 105 100
 120 47.7 0.0 94.0



#77
 t-1,4-Dichloro-2-butene
 Concen: 15.828 ug/l
 RT: 12.31 min Scan# 3276
 Delta R.T. 0.00 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

Tgt Ion: 75 Resp: 37475
 Ion Ratio Lower Upper
 75 100
 53 105.7 50.0 150.0
 89 47.2 20.7 62.1





#78

4-Chlorotoluene

Concen: 19.367 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

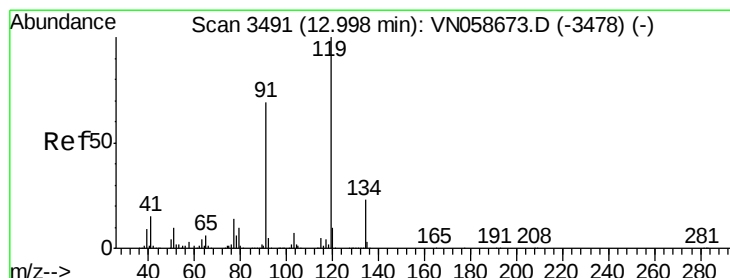
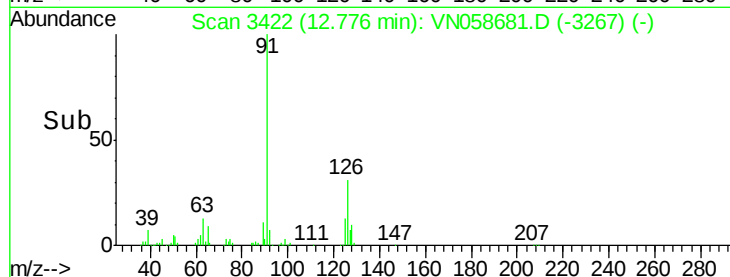
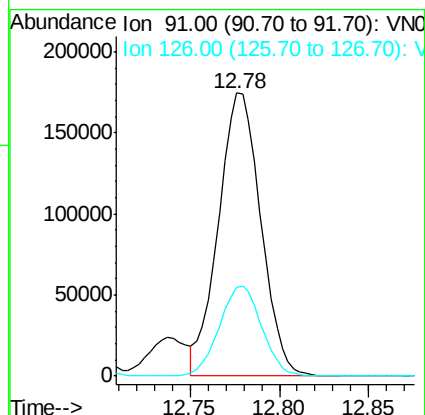
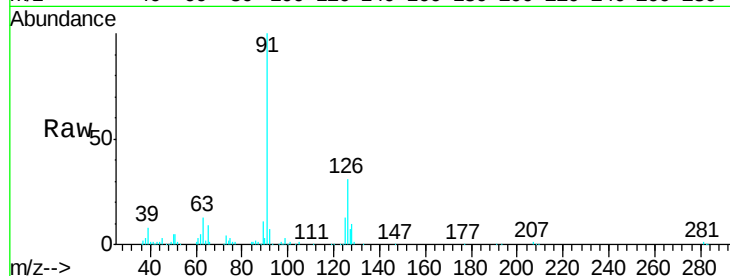
VN1011WBS01

Tgt Ion: 91 Resp: 286403

Ion Ratio Lower Upper

91 100

126 31.8 0.0 63.4



#79

tert-butylbenzene

Concen: 19.242 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

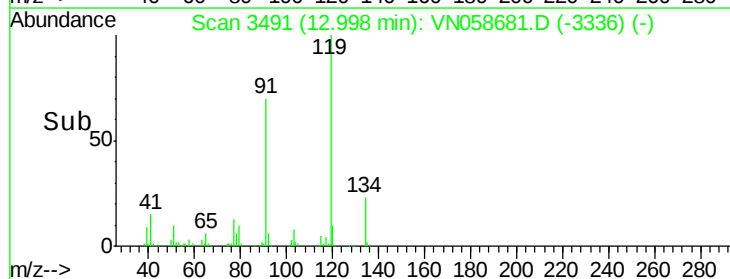
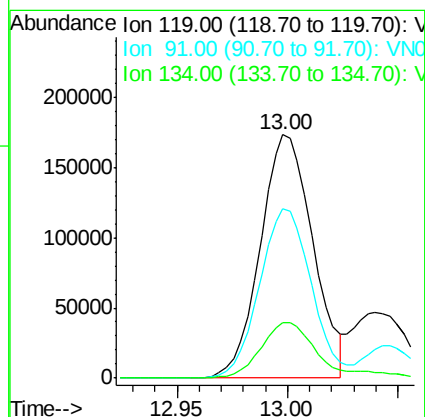
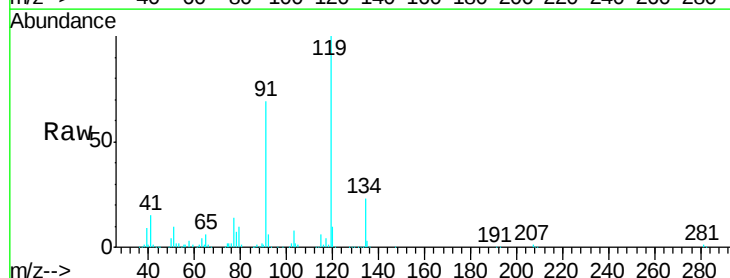
Tgt Ion: 119 Resp: 286871

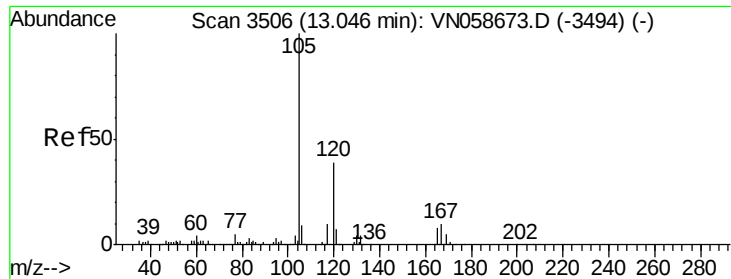
Ion Ratio Lower Upper

119 100

91 68.6 0.0 136.4

134 23.0 0.0 47.2

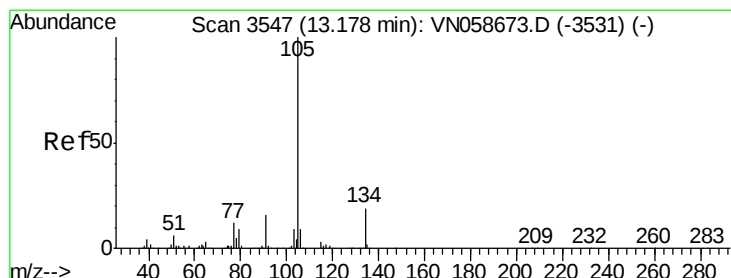
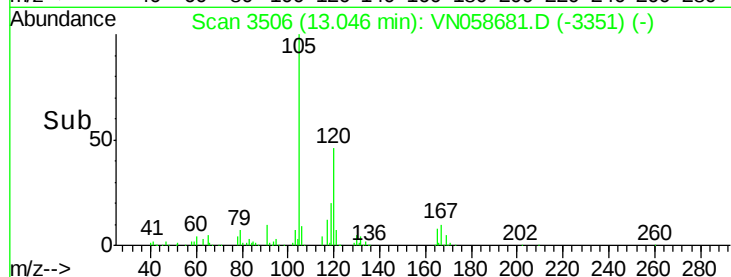
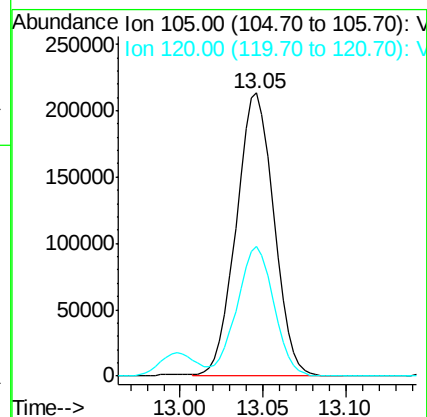
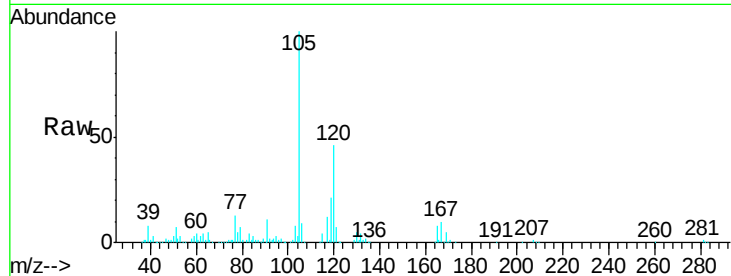




#80
 1,2,4-Trimethylbenzene
 Concen: 19.398 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

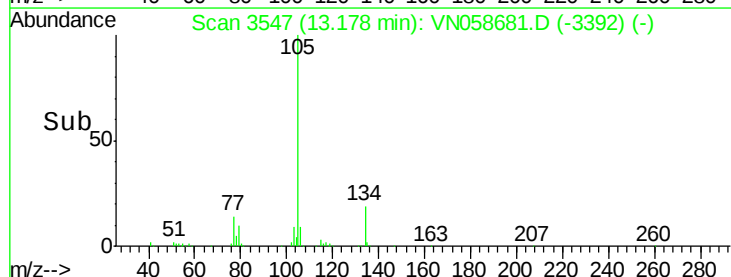
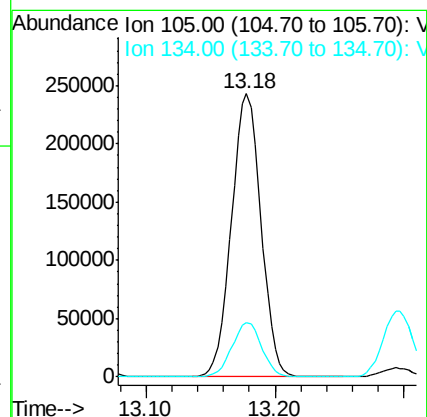
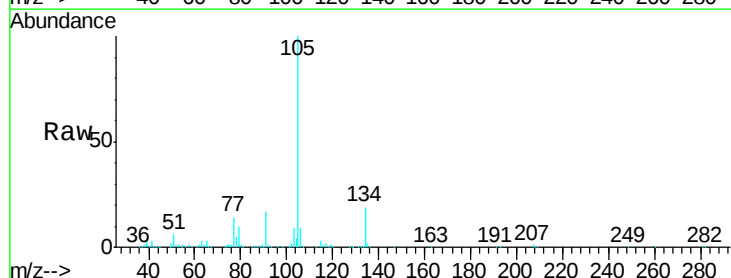
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

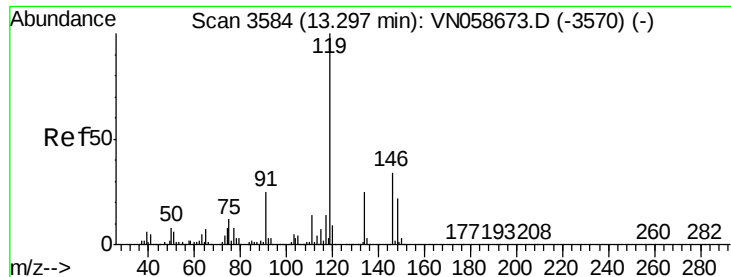
Tgt Ion:105 Resp: 336363
 Ion Ratio Lower Upper
 105 100
 120 44.8 0.0 89.2



#81
 sec-Butylbenzene
 Concen: 19.167 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

Tgt Ion:105 Resp: 384570
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 38.0





#82

p-Isopropyltoluene

Concen: 19.293 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

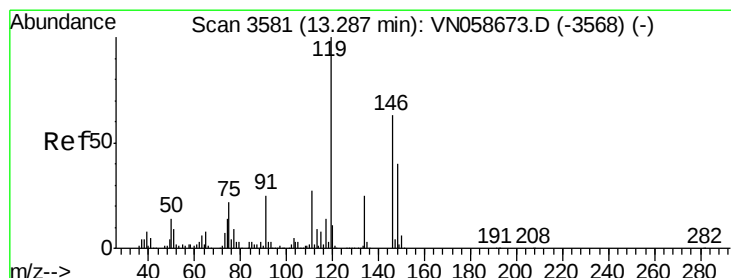
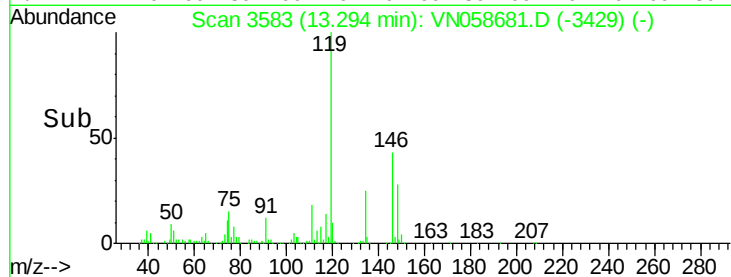
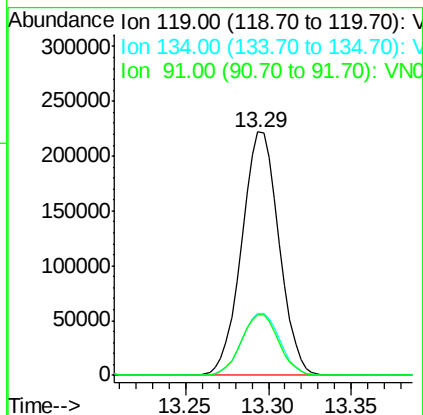
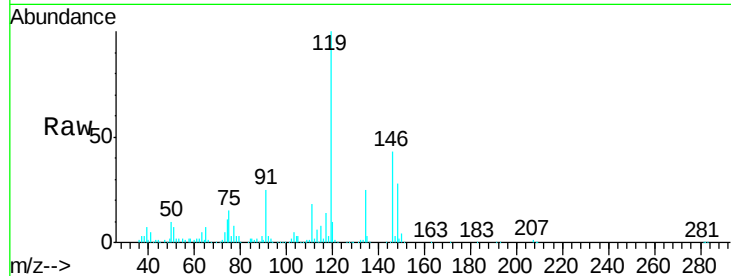
Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

Tgt Ion:	119	Resp:	347605
Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	50.8
91	25.1	0.0	49.4



#83

1,3-Dichlorobenzene

Concen: 19.050 ug/l

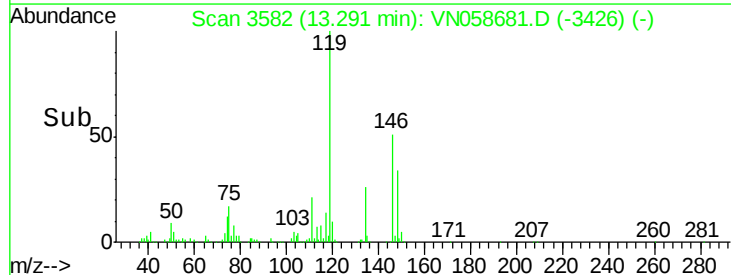
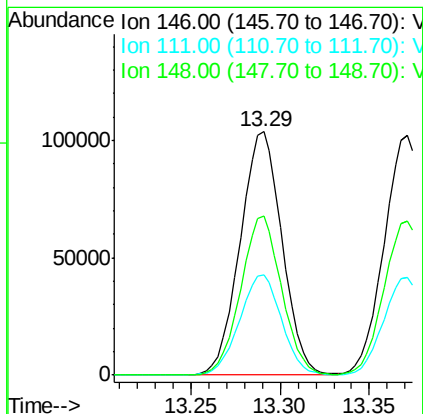
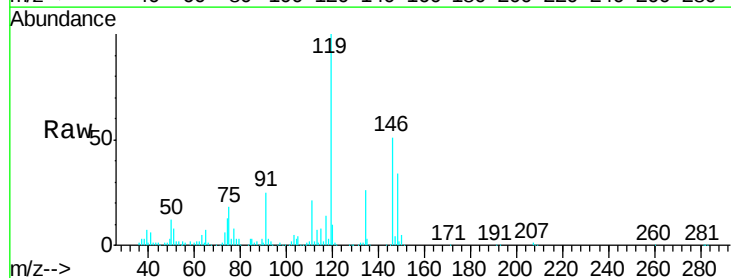
RT: 13.29 min Scan# 3582

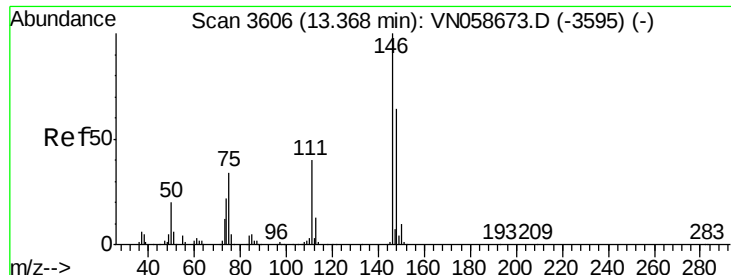
Delta R.T. 0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Tgt Ion:	146	Resp:	170588
Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.0	63.0
148	63.7	31.7	95.1





#84

1,4-Dichlorobenzene

Concen: 18.961 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

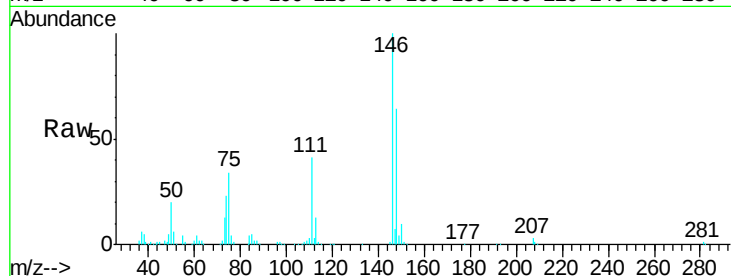
Tgt Ion:146 Resp: 169599

Ion Ratio Lower Upper

146 100

111 40.7 19.8 59.4

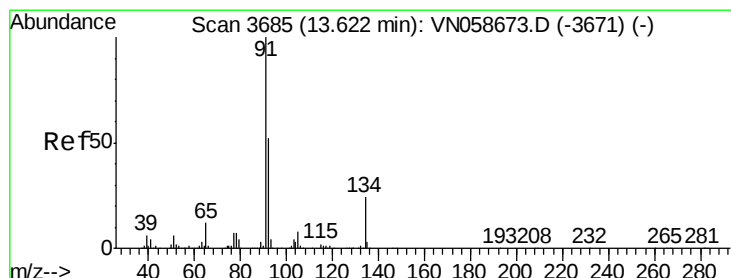
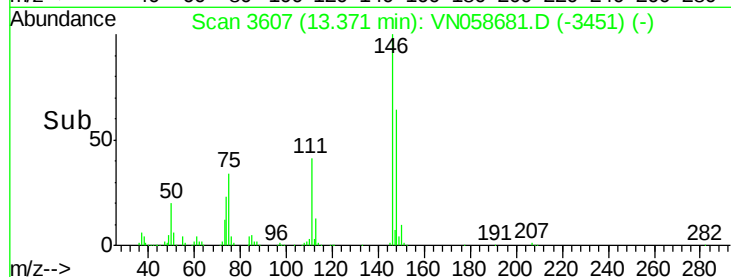
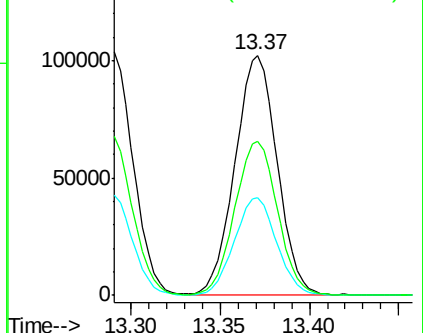
148 64.8 31.6 94.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 18.630 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

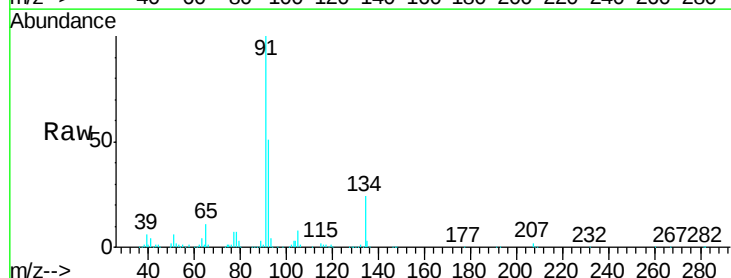
Tgt Ion: 91 Resp: 307312

Ion Ratio Lower Upper

91 100

92 51.9 0.0 102.8

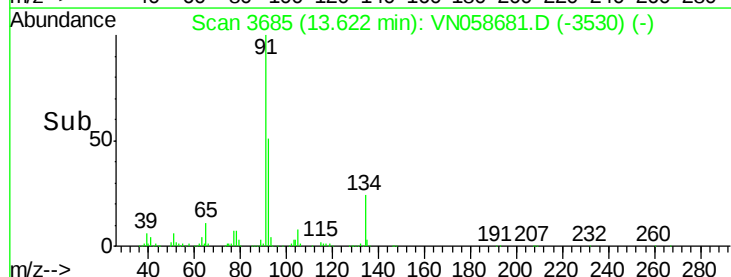
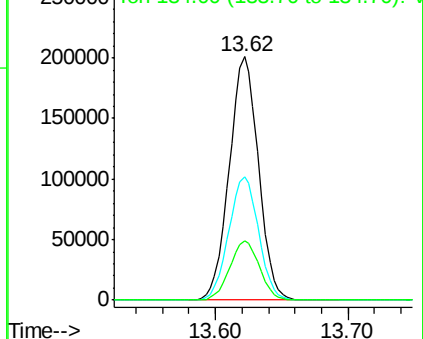
134 24.7 0.0 48.6

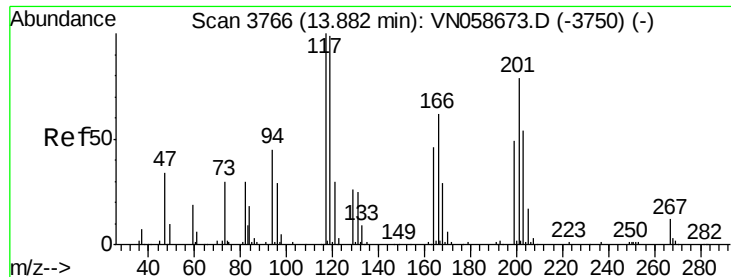


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 18.330 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

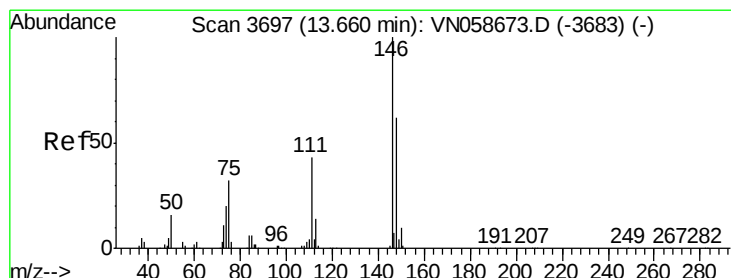
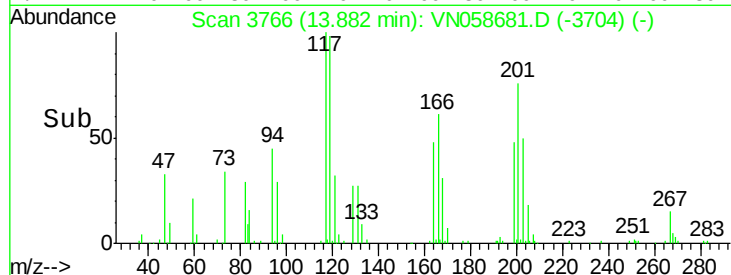
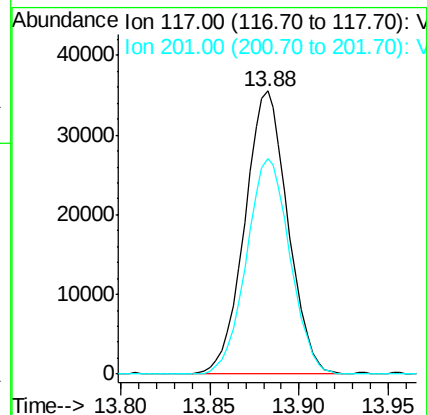
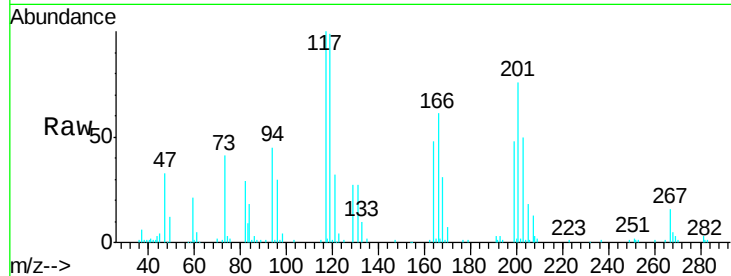
VN1011WBS01

Tgt Ion:117 Resp: 60100

Ion Ratio Lower Upper

117 100

201 76.7 38.7 116.1



#87

1,2-Dichlorobenzene

Concen: 19.453 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

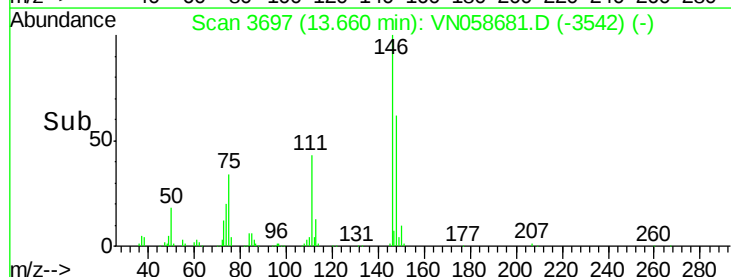
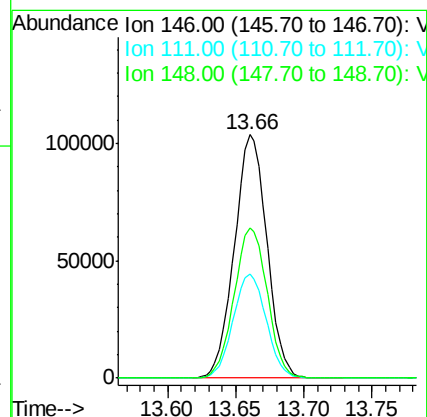
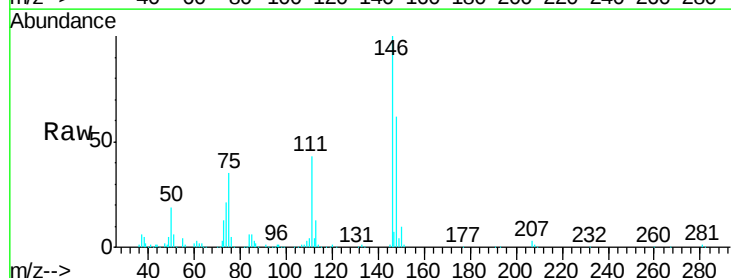
Tgt Ion:146 Resp: 171970

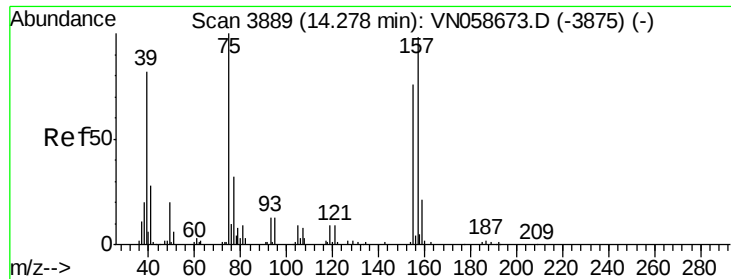
Ion Ratio Lower Upper

146 100

111 43.4 21.8 65.4

148 62.7 32.1 96.5





#88

1,2-Dibromo-3-Chloropropane

Concen: 18.127 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBS01

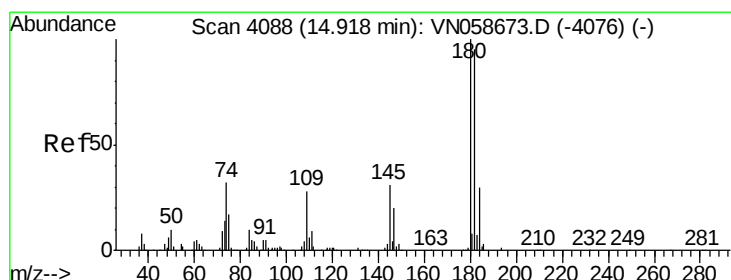
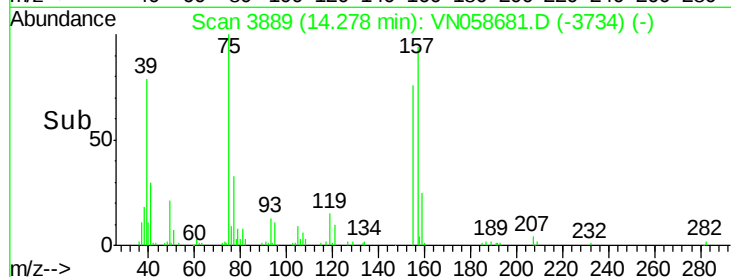
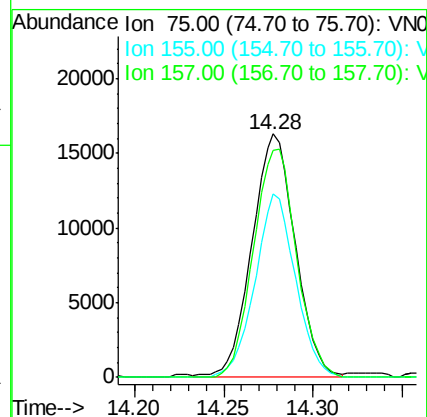
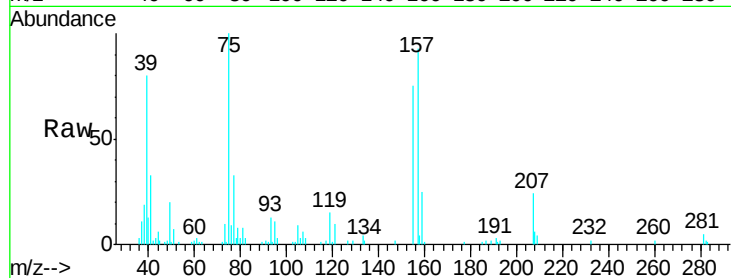
Tgt Ion: 75 Resp: 27673

Ion Ratio Lower Upper

75 100

155 70.3 58.3 87.5

157 92.7 75.0 112.6



#89

1,2,4-Trichlorobenzene

Concen: 19.264 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058681.D

Acq: 10 Oct 2019 21:52

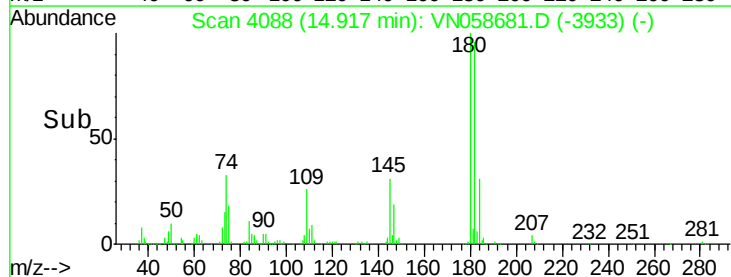
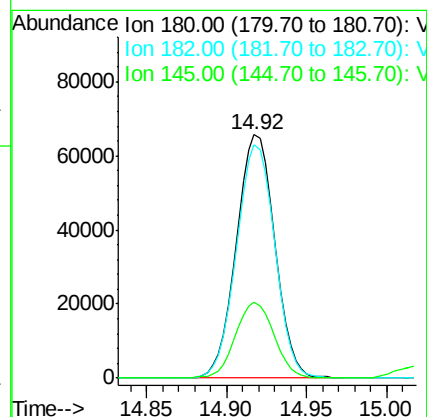
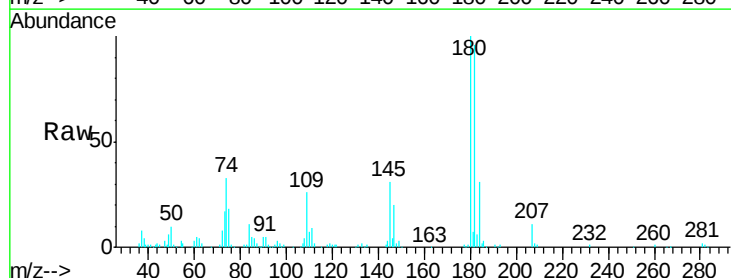
Tgt Ion: 180 Resp: 107530

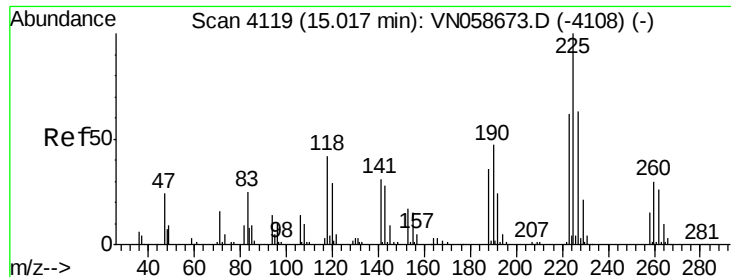
Ion Ratio Lower Upper

180 100

182 95.7 75.3 112.9

145 31.2 24.8 37.2

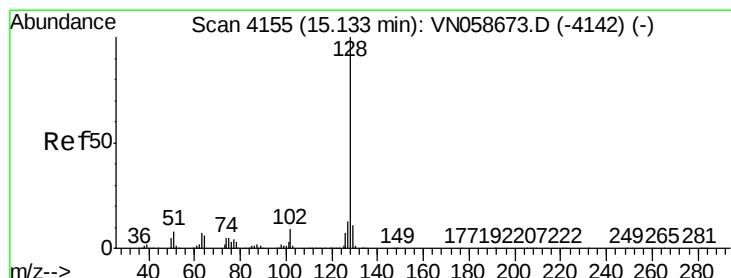
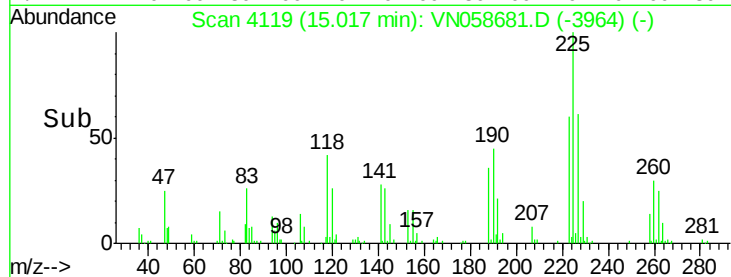
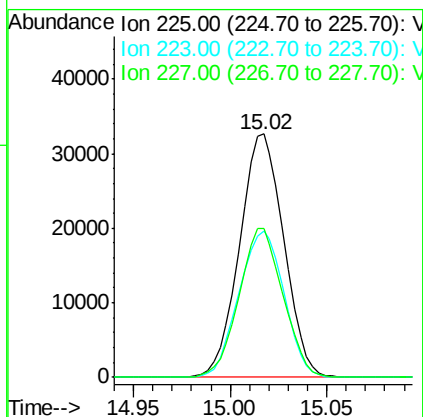
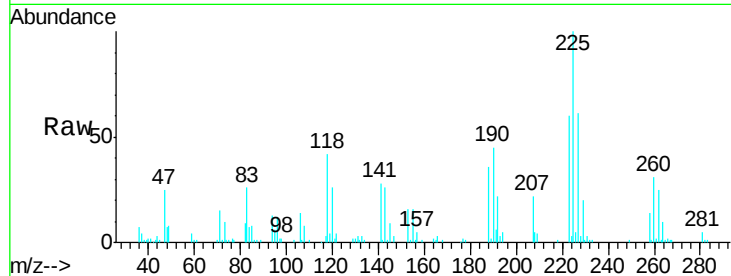




#90
Hexachlorobutadiene
Concen: 18.053 ug/l
RT: 15.02 min Scan# 4119
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

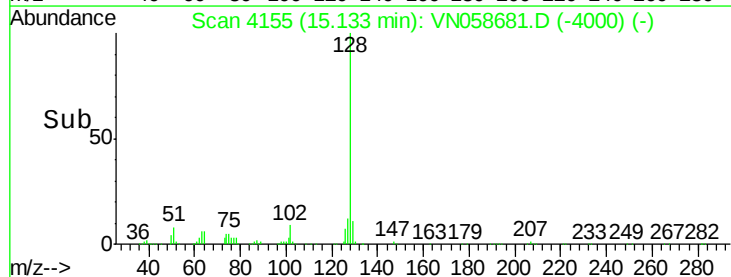
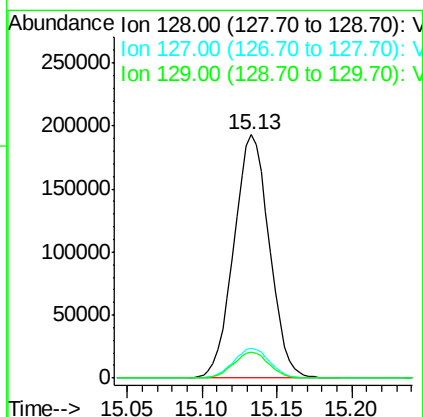
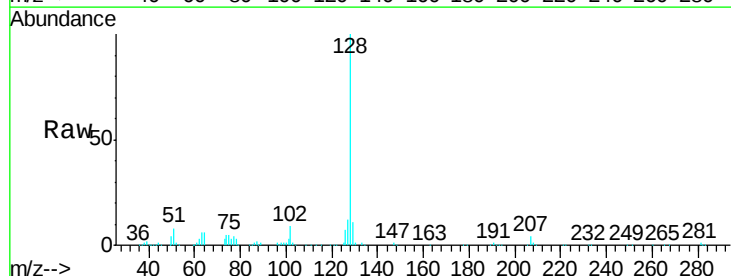
Instrument :
MSVOA_N
ClientSampleId :
VN1011WBS01

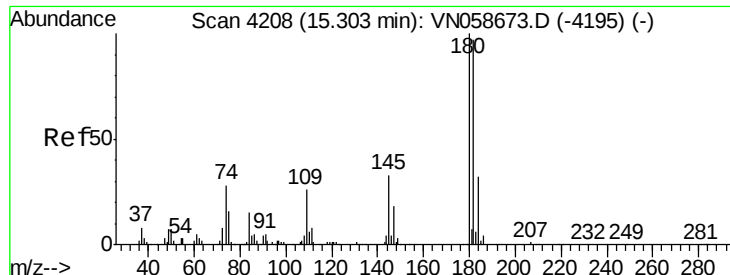
Tgt Ion:225 Resp: 52038
Ion Ratio Lower Upper
225 100
223 61.1 0.0 126.2
227 60.9 0.0 127.0



#91
Naphthalene
Concen: 19.363 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058681.D
Acq: 10 Oct 2019 21:52

Tgt Ion:128 Resp: 319126
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.7 8.6 13.0

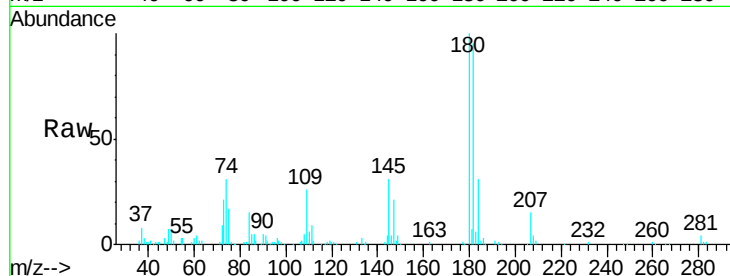




#92
 1,2,3-Trichlorobenzene
 Concen: 19.940 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. -0.00 min
 Lab File: VN058681.D
 Acq: 10 Oct 2019 21:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	193.4
145	32.3	0.0	65.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

