

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058700.D
 Acq On : 11 Oct 2019 13:50
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

Quant Time: Oct 11 23:58:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:53:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	514342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	835866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	771149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	378492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	359216	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.57	113	262374	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.09	98	1042925	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	393374	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	313842	48.993	ug/l	99
3) Chloromethane	2.04	50	360918	47.381	ug/l	99
4) Vinyl Chloride	2.17	62	373212	49.193	ug/l	99
5) Bromomethane	2.55	94	224444	48.913	ug/l	100
6) Chloroethane	2.68	64	222658	47.581	ug/l	98
7) Trichlorofluoromethane	3.00	101	441226	48.595	ug/l	99
8) Diethyl Ether	3.39	74	164104	48.917	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	247383	47.784	ug/l	98
10) Methyl Iodide	3.93	142	343707	48.651	ug/l	99
11) Tert butyl alcohol	4.75	59	292938	251.197	ug/l	100
12) 1,1-Dichloroethene	3.72	96	241706	48.933	ug/l	94
13) Acrolein	3.58	56	228716	243.862	ug/l	99
14) Allyl chloride	4.30	41	443136	44.455	ug/l	95
15) Acrylonitrile	4.96	53	764356	259.907	ug/l	100
16) Acetone	3.79	43	748955	251.239	ug/l	98
17) Carbon Disulfide	4.03	76	749030	47.439	ug/l	99
18) Methyl Acetate	4.30	43	376585	49.802	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	890649	50.496	ug/l	96
20) Methylene Chloride	4.53	84	280338	44.996	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	264054	47.791	ug/l	99
22) Diisopropyl ether	5.92	45	954795	49.263	ug/l	100
23) Vinyl Acetate	5.87	43	4194869	268.229	ug/l	99
24) 1,1-Dichloroethane	5.82	63	535858	48.544	ug/l	99
25) 2-Butanone	6.81	43	1110076	257.630	ug/l	99
26) 2,2-Dichloropropane	6.80	77	467871	46.433	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	306040	47.499	ug/l	99
28) Bromochloromethane	7.17	49	188669	49.130	ug/l	100
29) Tetrahydrofuran	7.19	42	728653	261.684	ug/l	100
30) Chloroform	7.35	83	517954	46.703	ug/l	100
31) Cyclohexane	7.63	56	491377	46.524	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	454878	48.094	ug/l	99
36) 1,1-Dichloropropene	7.77	75	402699	47.650	ug/l	100
37) Ethyl Acetate	6.91	43	447291	52.333	ug/l	98
38) Carbon Tetrachloride	7.75	117	400611	48.638	ug/l	99

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

39) Methylcyclohexane	9.07	83	481529	49.102	ug/l	98
40) Benzene	8.02	78	1166847	48.074	ug/l	100
41) Methacrylonitrile	7.19	41	652515	163.093	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	446958	47.932	ug/l	99
43) Isopropyl Acetate	8.15	43	731841	50.263	ug/l	100
44) Trichloroethene	8.82	130	288598	47.881	ug/l	98
45) 1,2-Dichloropropane	9.11	63	313081	48.184	ug/l	98
46) Dibromomethane	9.20	93	200114	48.577	ug/l	99
47) Bromodichloromethane	9.39	83	410266	48.906	ug/l	99
48) Methyl methacrylate	9.19	41	334893	50.741	ug/l	98
49) 1,4-Dioxane	9.19	88	92386	904.813	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2257876	276.120	ug/l	100
52) Toluene	10.15	92	731227	49.257	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	482984	50.199	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	514859	50.400	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	282504	46.495	ug/l	99
56) Ethyl methacrylate	10.43	69	479848	54.058	ug/l	97
57) 1,3-Dichloropropane	10.70	76	504806	48.755	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1023002	239.142	ug/l	99
59) 2-Hexanone	10.75	43	1753701	277.513	ug/l	99
60) Dibromochloromethane	10.90	129	313153	49.962	ug/l	99
61) 1,2-Dibromoethane	11.00	107	301595	49.546	ug/l	99
64) Tetrachloroethene	10.63	164	254460	47.151	ug/l	97
65) Chlorobenzene	11.43	112	768151	49.050	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	285802	49.354	ug/l	100
67) Ethyl Benzene	11.51	91	1429938	51.223	ug/l	99
68) m/p-Xylenes	11.62	106	1063094	101.478	ug/l	100
69) o-Xylene	11.95	106	509037	50.222	ug/l	98
70) Styrene	11.97	104	847357	51.007	ug/l	100
71) Bromoform	12.13	173	223385	52.628	ug/l #	100
73) Isopropylbenzene	12.25	105	1398493	51.019	ug/l	99
74) N-amyl acetate	12.07	43	663553	53.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	447507	49.557	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	615971	74.185	ug/l #	100
77) Bromobenzene	12.53	156	324726	48.704	ug/l	100
78) n-propylbenzene	12.59	91	1653834	51.777	ug/l	100
79) 2-Chlorotoluene	12.68	91	963034	48.576	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1191643	50.920	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	165864	53.509	ug/l	96
82) 4-Chlorotoluene	12.78	91	1012398	49.765	ug/l	100
83) tert-Butylbenzene	13.00	119	1008685	50.314	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1186271	51.062	ug/l	99
85) sec-Butylbenzene	13.18	105	1366628	51.734	ug/l	100
86) p-Isopropyltoluene	13.29	119	1242422	51.748	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	598252	48.654	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	593725	47.492	ug/l	99
89) n-Butylbenzene	13.62	91	1143616	51.514	ug/l	100
90) Hexachloroethane	13.88	117	216519	50.401	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	582663	48.620	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	102874	48.764	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Oct 11 23:53:37 2019
Response via : Initial Calibration

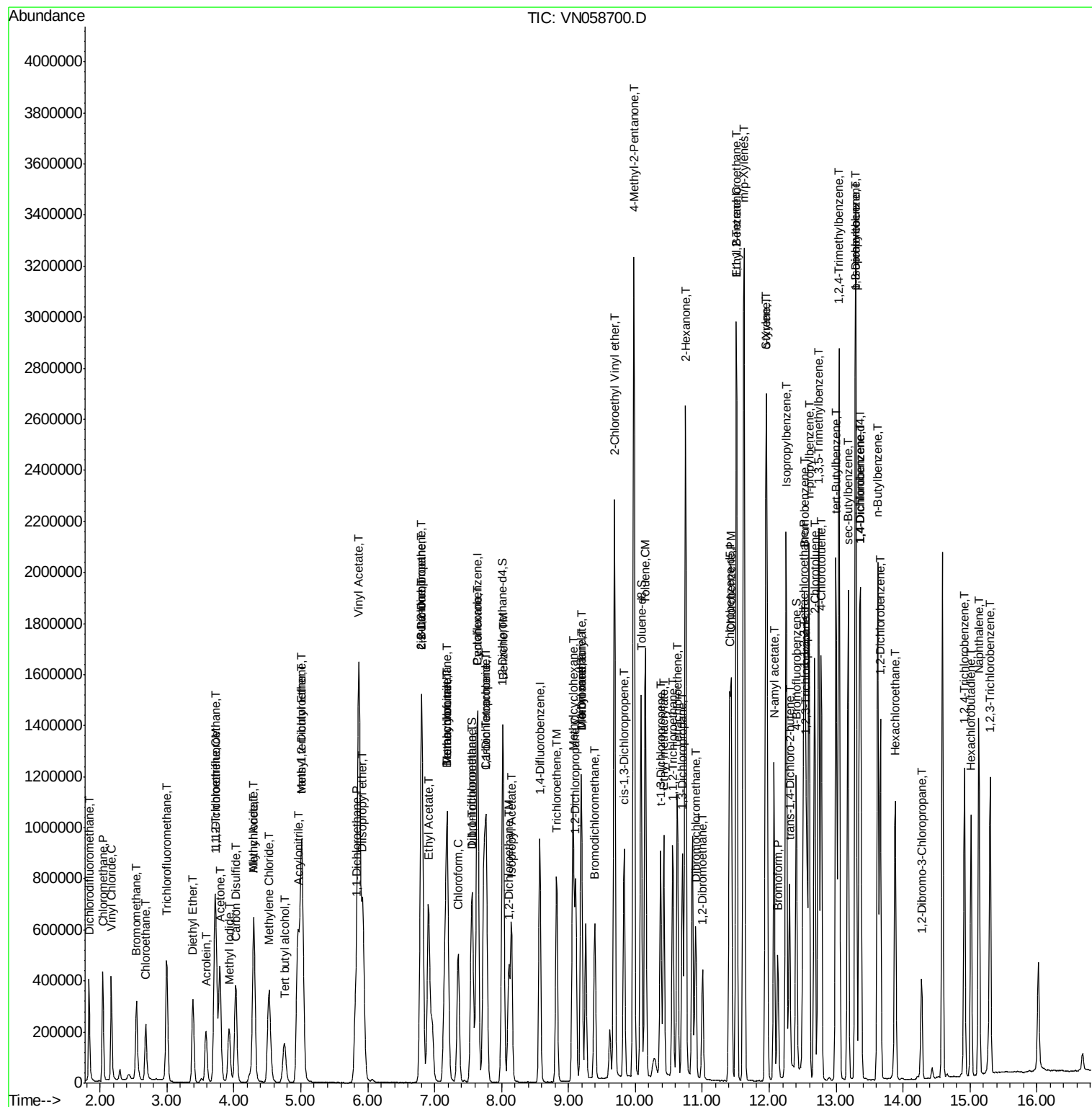
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	367469	50.266	ug/l	99
94) Hexachlorobutadiene	15.02	225	189288	49.169	ug/l	99
95) Naphthalene	15.13	128	1110936	52.877	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	355985	49.877	ug/l	100

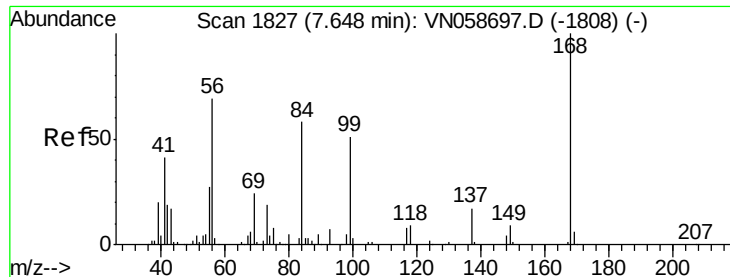
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101319\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

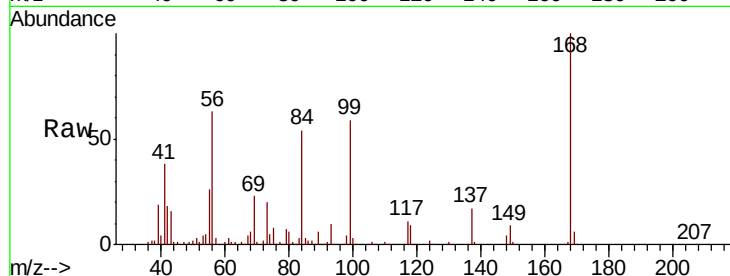
ICVFN101319

Tot Ion:168 Resp: 514342

Ion Ratio Lower Upper

168 100

99 58.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VN058697.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058697.D (-1808) (-)

7.65

250000

200000

150000

100000

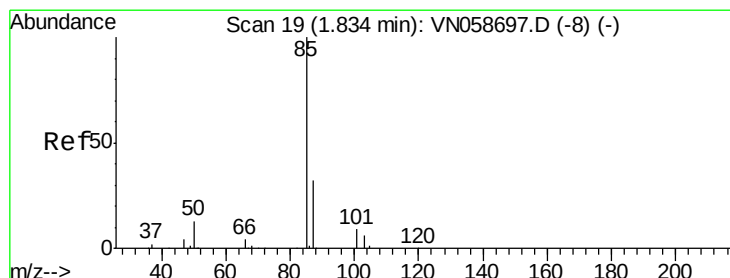
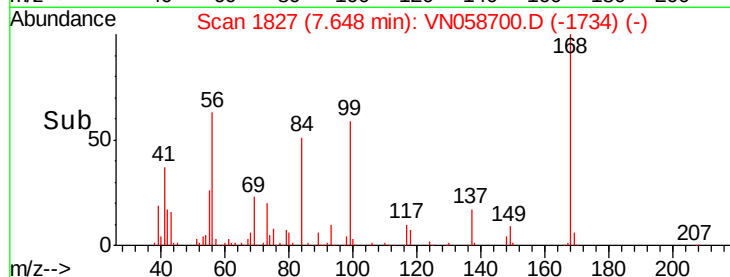
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.993 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058700.D

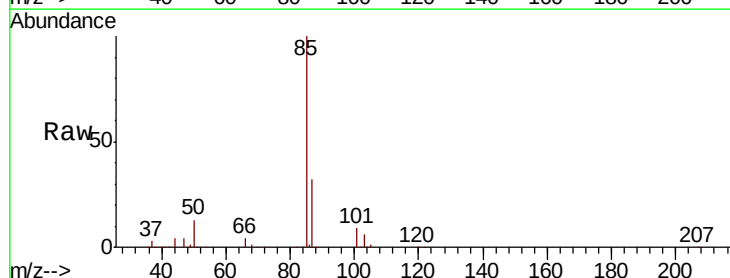
Acq: 11 Oct 2019 13:50

Tgt Ion: 85 Resp: 313842

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN058697.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN058697.D (-8) (-)

1.83

250000

200000

150000

100000

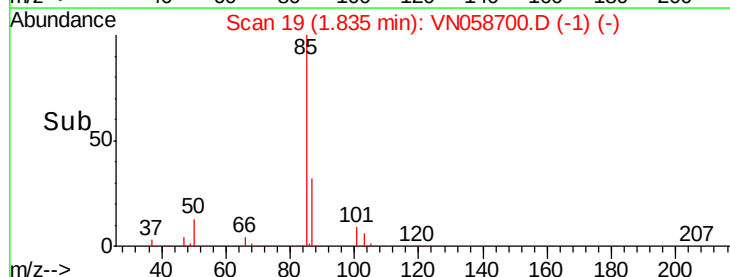
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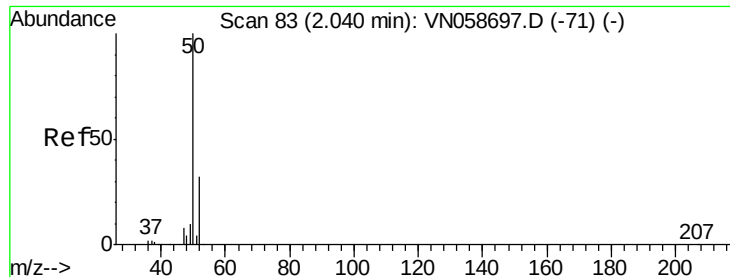
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 47.381 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

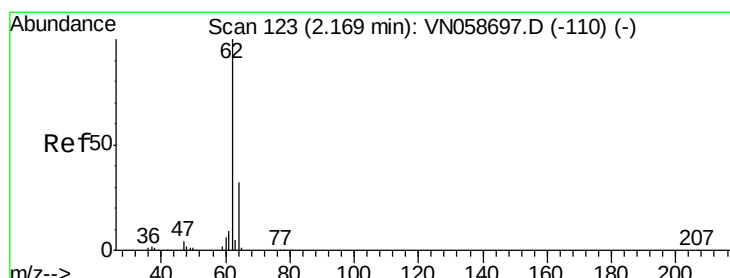
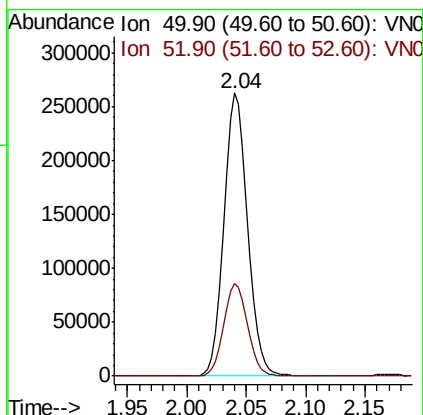
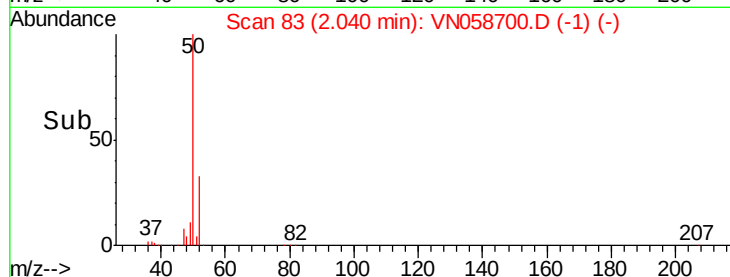
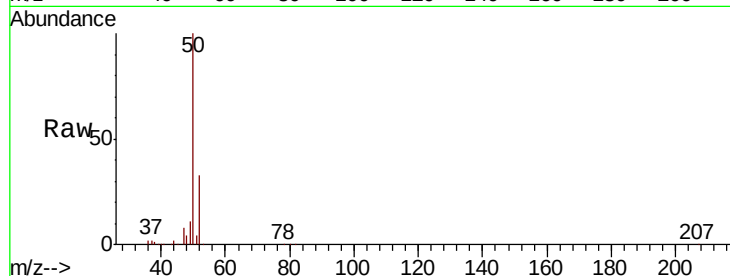
ICVFN101319

Tot Ion: 50 Resp: 360918

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.6



#4

Vinyl Chloride

Concen: 49.193 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058700.D

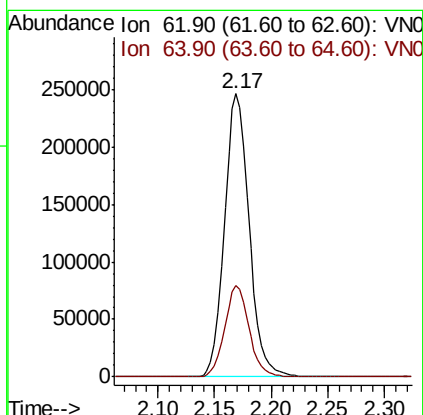
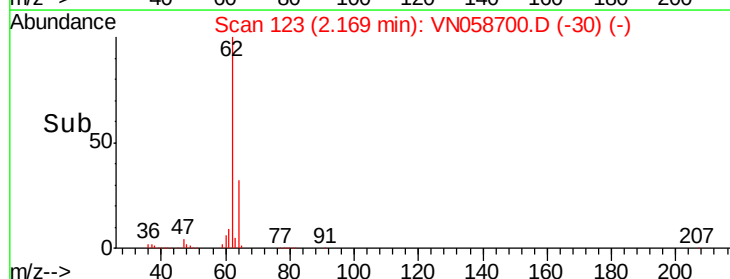
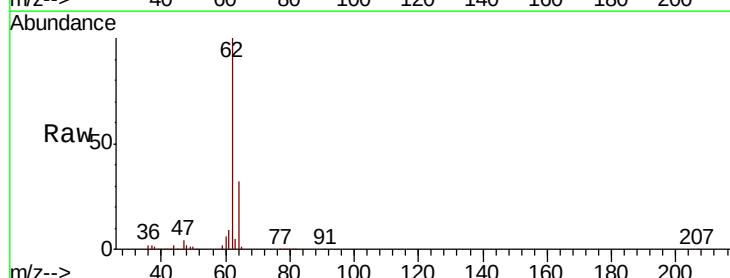
Acq: 11 Oct 2019 13:50

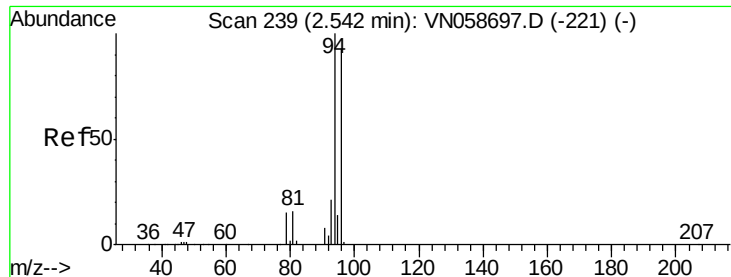
Tgt Ion: 62 Resp: 373212

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 48.913 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

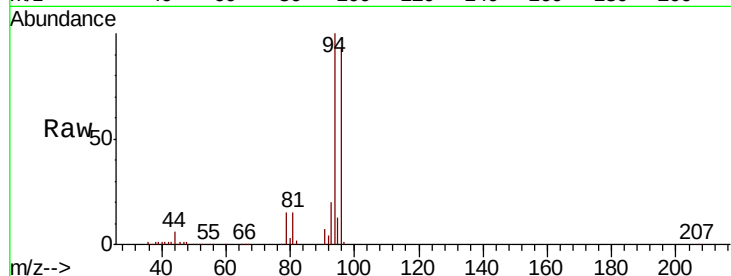
ICVFN101319

Tot Ion: 94 Resp: 224444

Ion Ratio Lower Upper

94 100

96 92.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

120000

100000

80000

60000

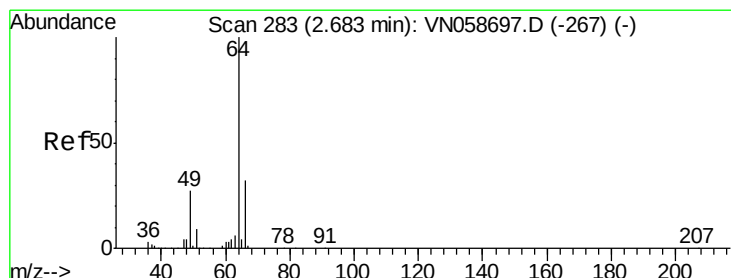
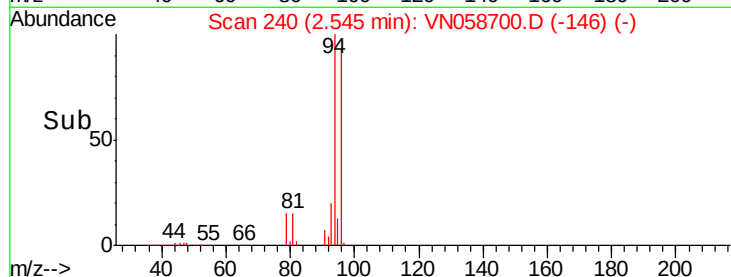
40000

20000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 47.581 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058700.D

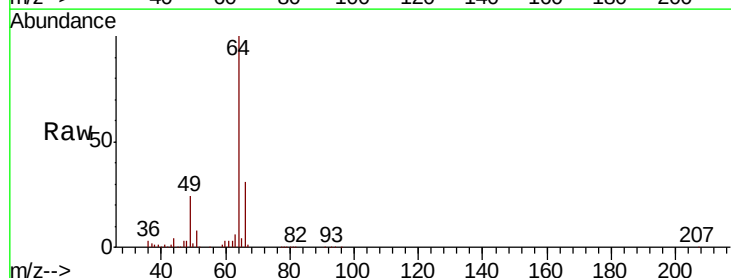
Acq: 11 Oct 2019 13:50

Tgt Ion: 64 Resp: 222658

Ion Ratio Lower Upper

64 100

66 30.6 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

120000

100000

80000

60000

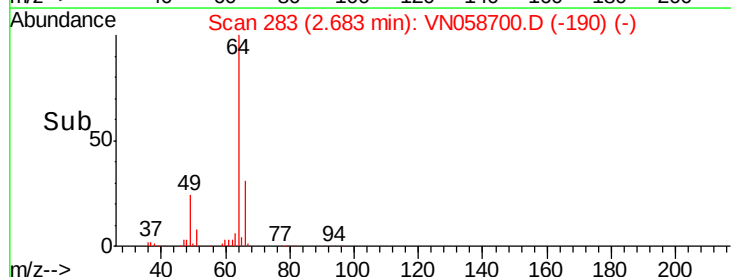
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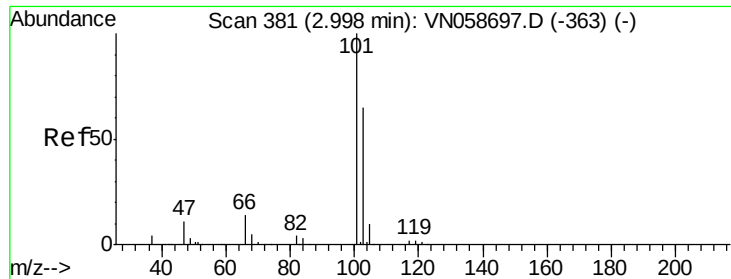
20000

0

Time-->

2.60 2.70 2.80



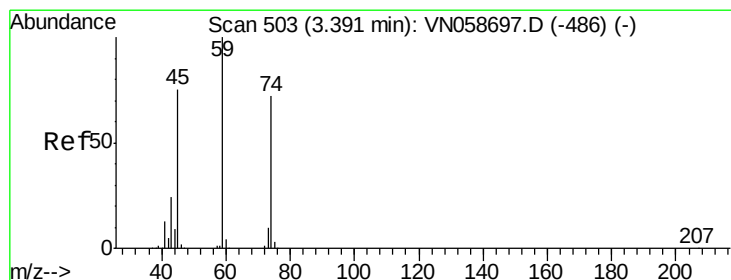
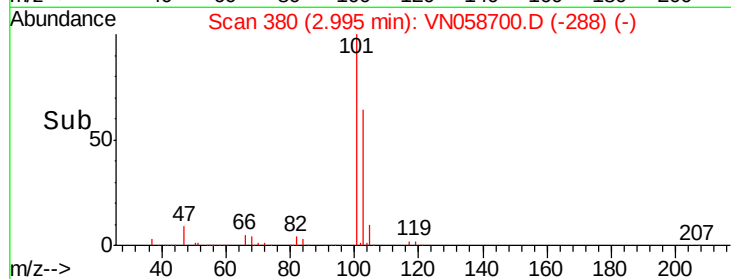
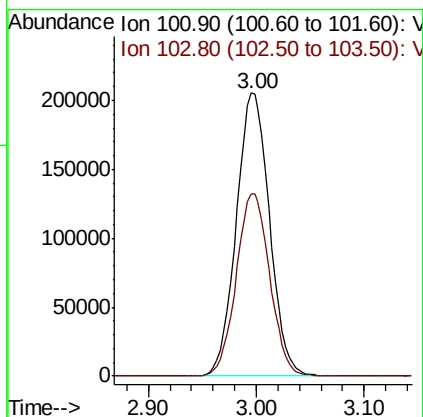
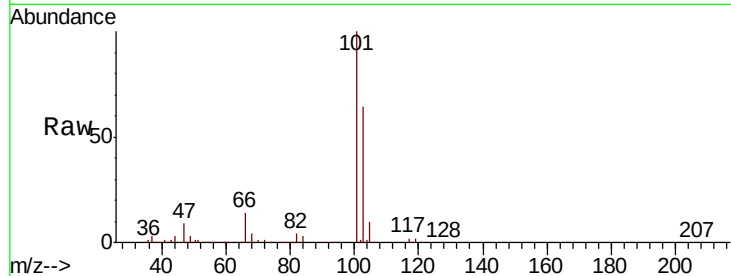


#7

Trichlorofluoromethane
 Concen: 48.595 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
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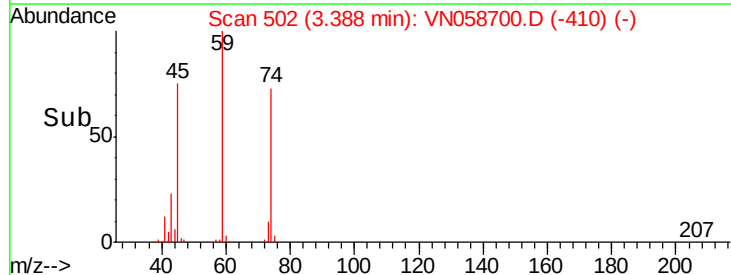
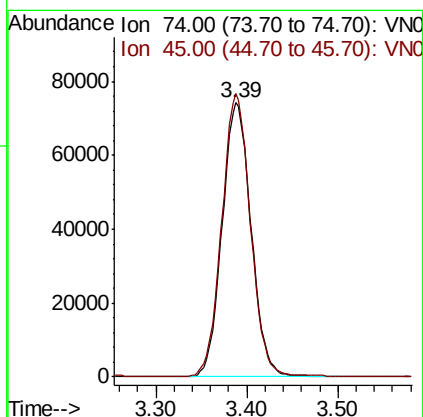
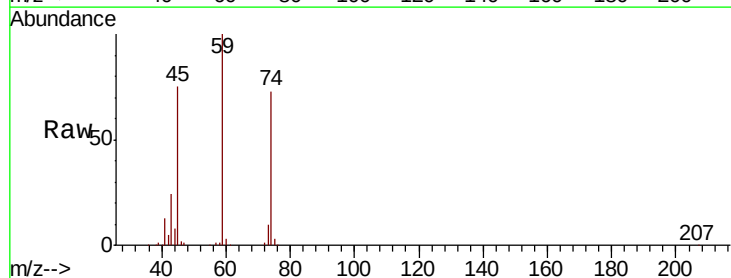
Tot Ion:101 Resp: 441226
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.8 77.6

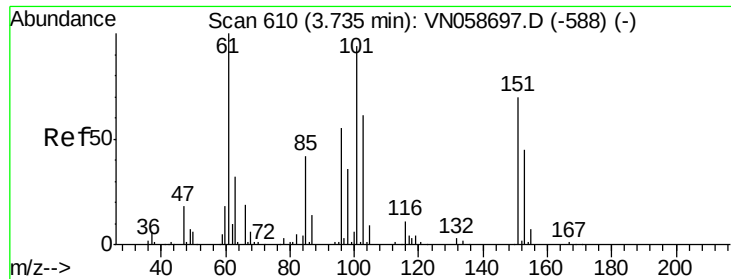


#8

Diethyl Ether
 Concen: 48.917 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion: 74 Resp: 164104
 Ion Ratio Lower Upper
 74 100
 45 102.6 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.784 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101319

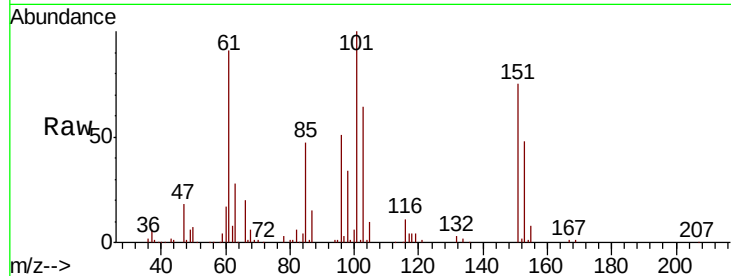
Tot Ion:101 Resp: 247383

Ion Ratio Lower Upper

101 100

85 45.7 37.0 55.6

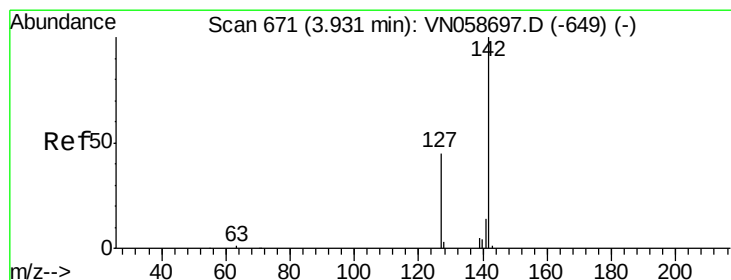
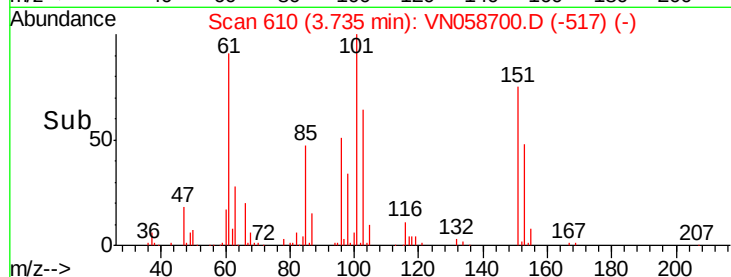
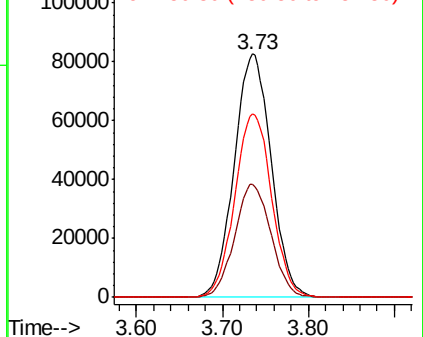
151 75.0 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.651 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

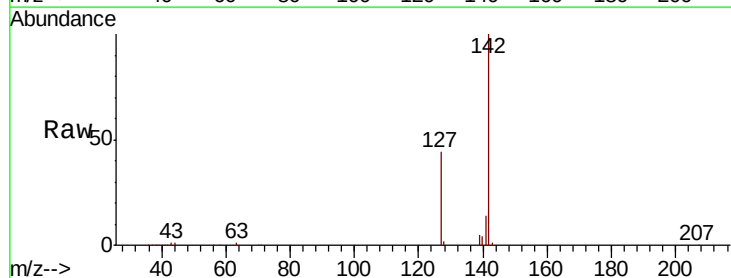
Tgt Ion:142 Resp: 343707

Ion Ratio Lower Upper

142 100

127 45.2 36.4 54.6

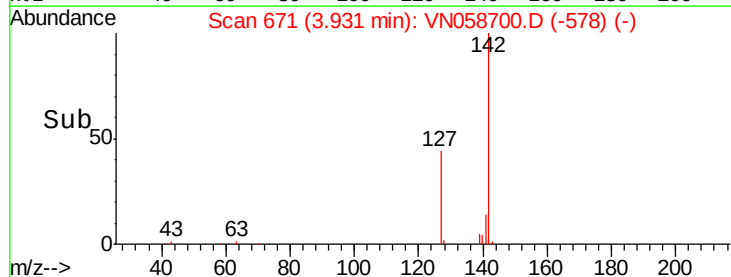
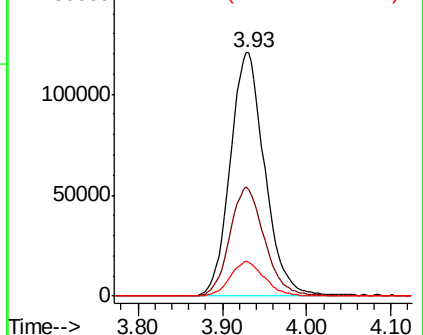
141 14.2 11.1 16.7

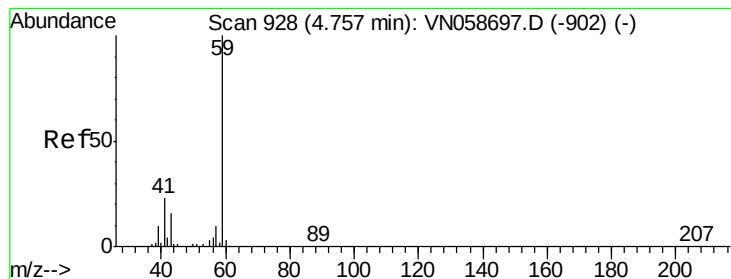


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



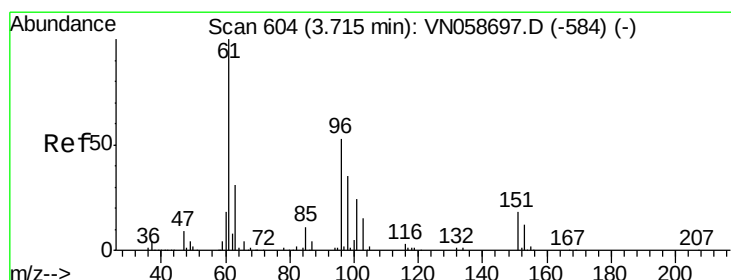
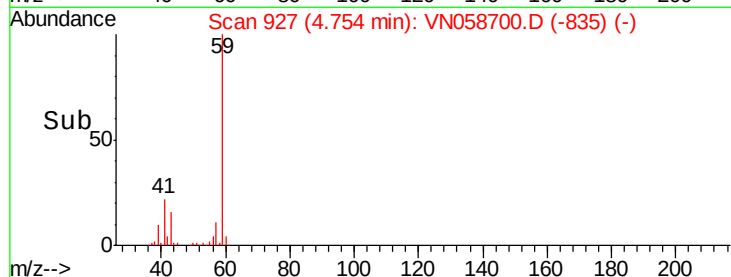
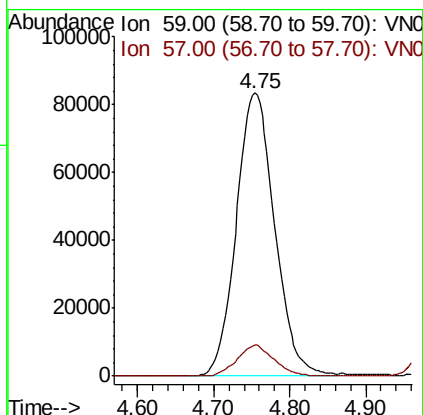
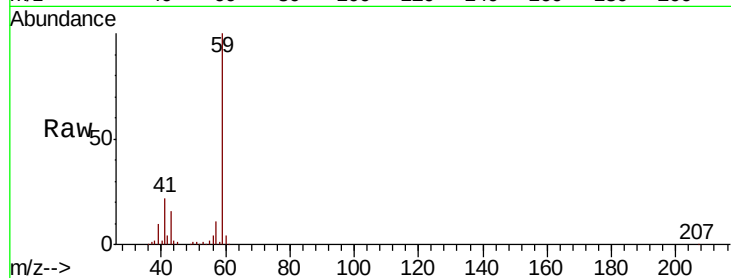


#11

Tert butyl alcohol
 Concen: 251.197 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

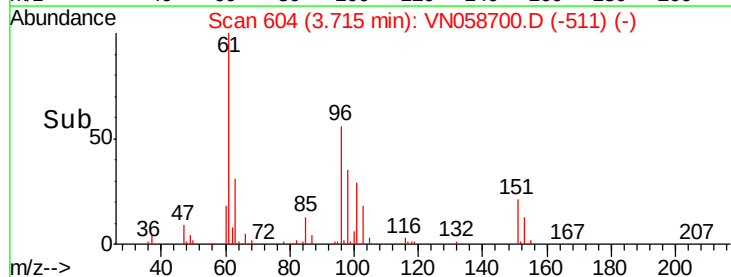
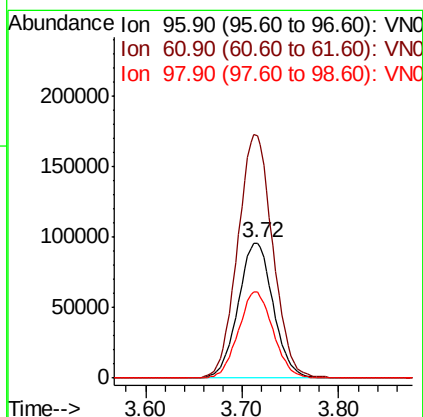
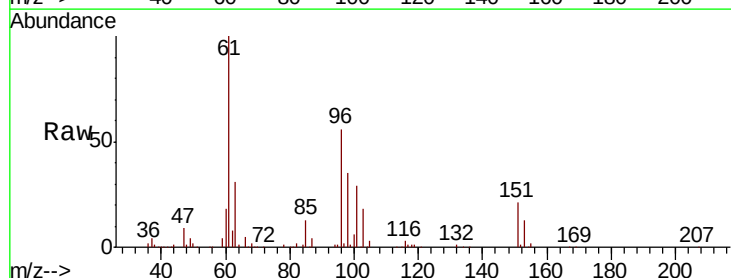
Tot Ion: 59 Resp: 292938
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

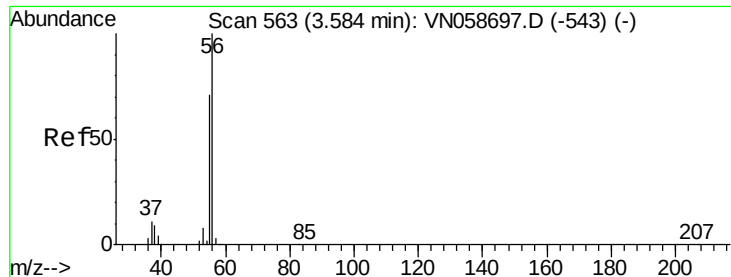


#12

1,1-Dichloroethene
 Concen: 48.933 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion: 96 Resp: 241706
 Ion Ratio Lower Upper
 96 100
 61 179.3 151.3 226.9
 98 63.5 52.6 78.8





#13

Acrolein

Concen: 243.862 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

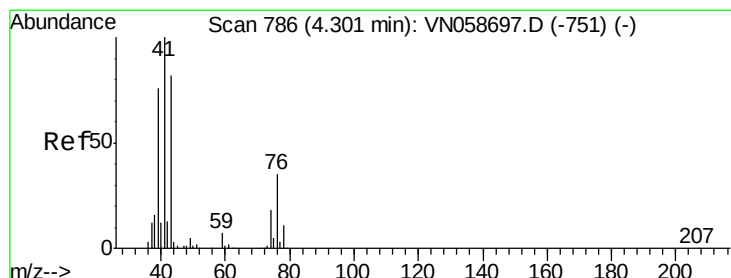
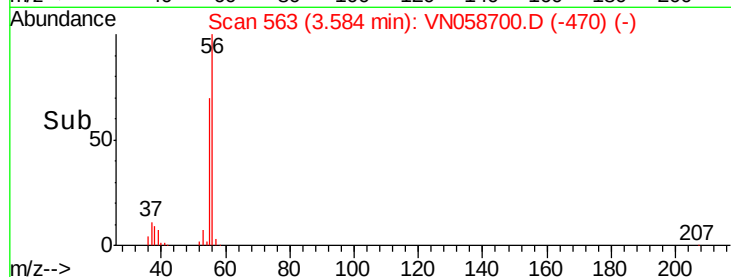
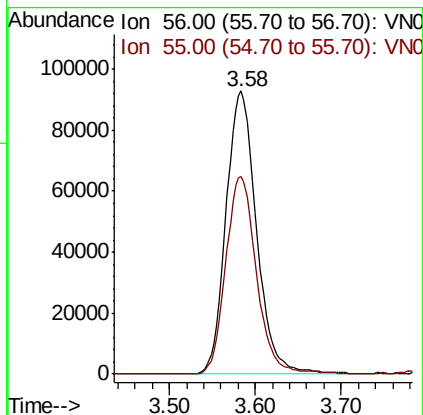
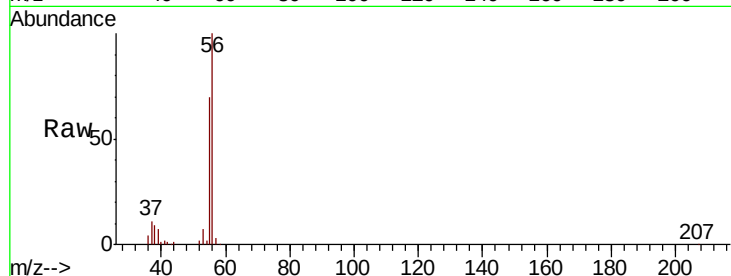
ICVFN101319

Tot Ion: 56 Resp: 228716

Ion Ratio Lower Upper

56 100

55 70.4 56.7 85.1



#14

Allyl chloride

Concen: 44.455 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

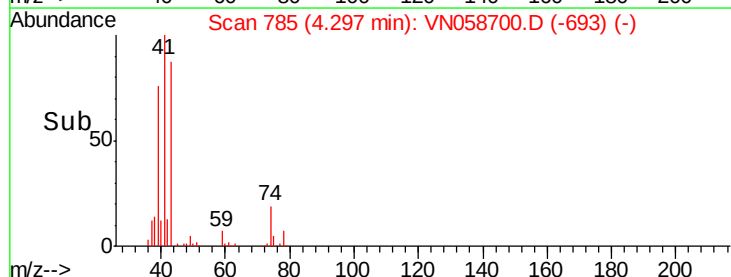
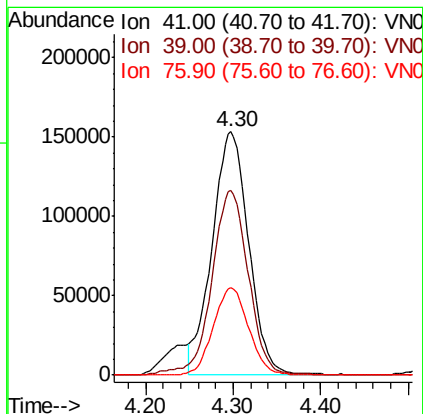
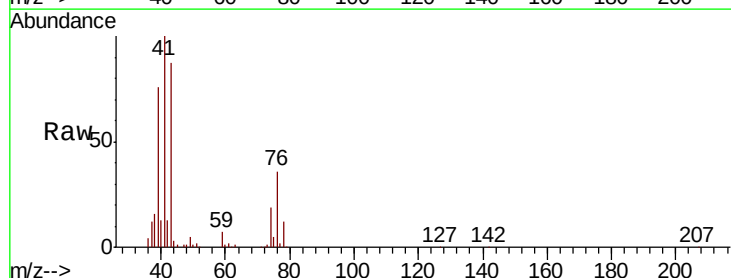
Tgt Ion: 41 Resp: 443136

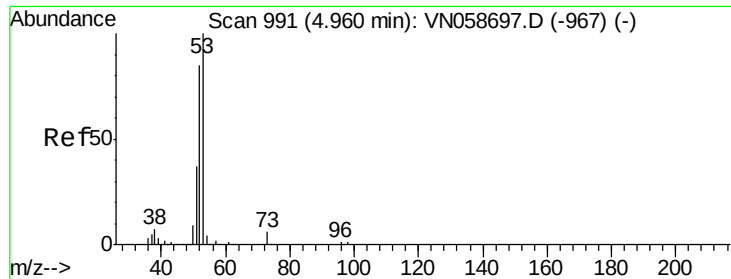
Ion Ratio Lower Upper

41 100

39 76.0 57.2 85.8

76 34.3 25.0 37.6





#15

Acrylonitrile

Concen: 259.907 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101319

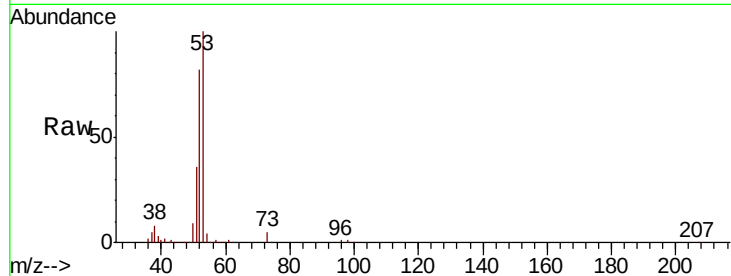
Tot Ion: 53 Resp: 764356

Ion Ratio Lower Upper

53 100

52 82.7 66.2 99.2

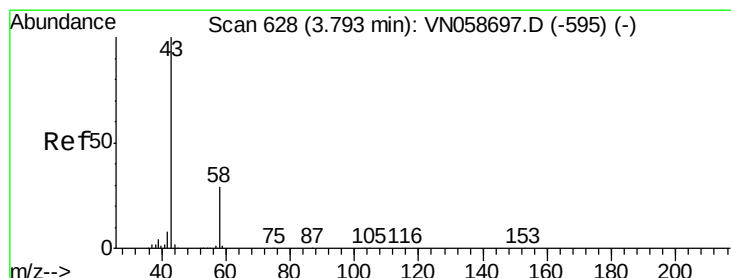
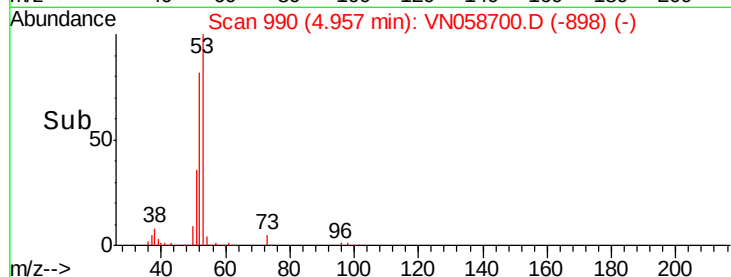
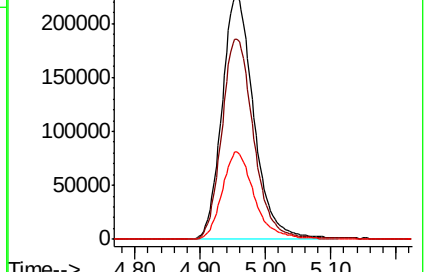
51 36.2 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN058697.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058697.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058697.D (-967) (-)



#16

Acetone

Concen: 251.239 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN058700.D

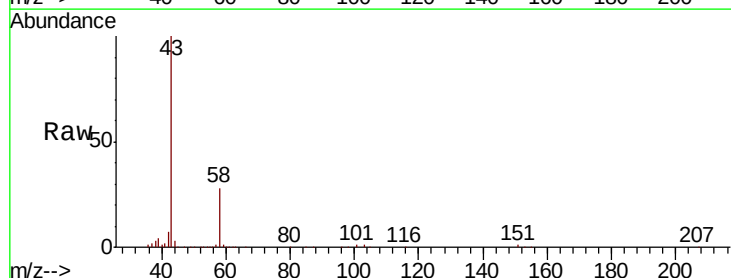
Acq: 11 Oct 2019 13:50

Tgt Ion: 43 Resp: 748955

Ion Ratio Lower Upper

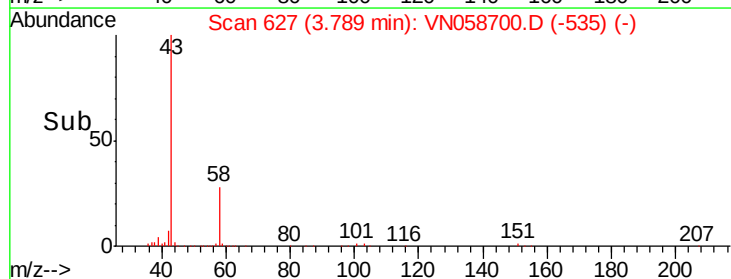
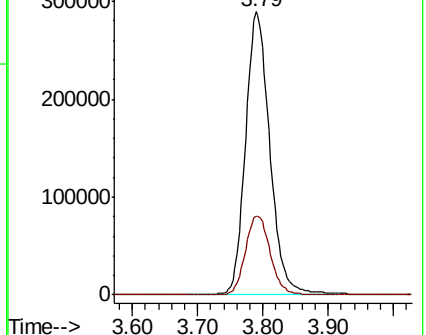
43 100

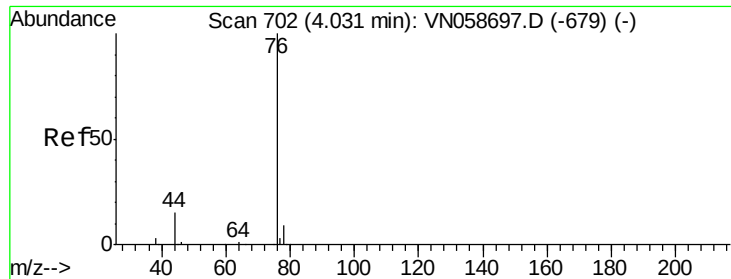
58 27.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-595) (-)

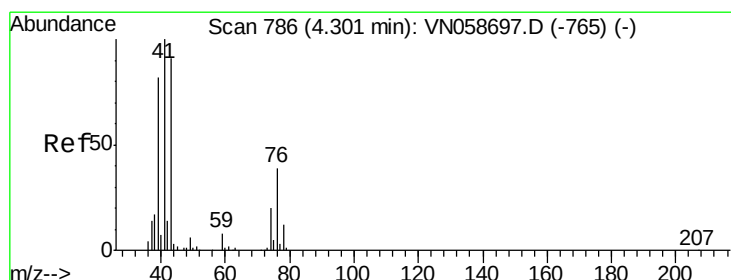
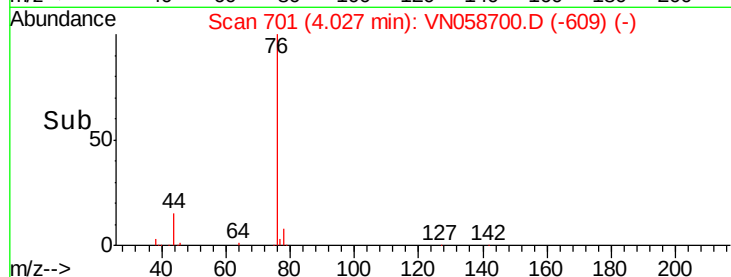
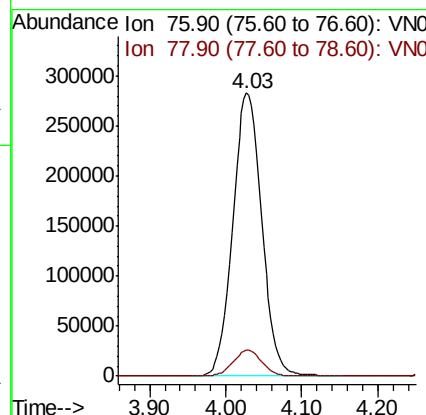
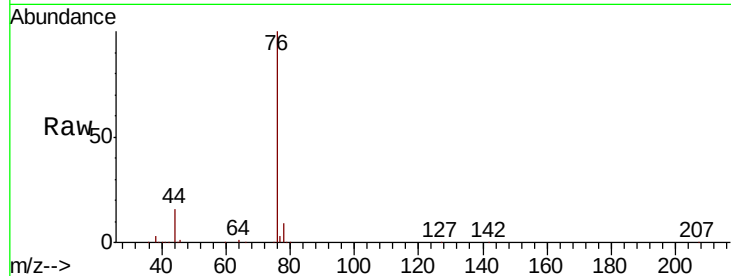




#17
Carbon Disulfide
Concen: 47.439 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

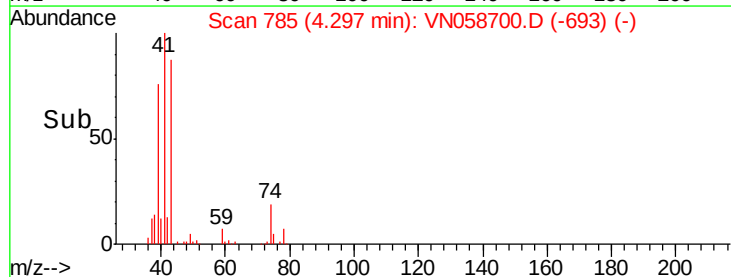
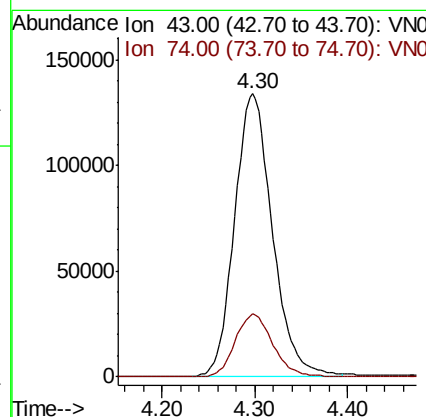
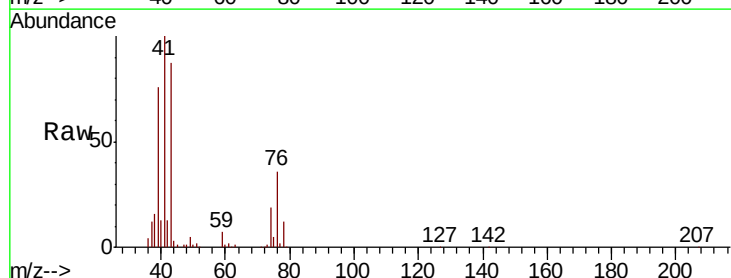
Instrument :
MSVOA_N
ClientSampleId :
ICVFN101319

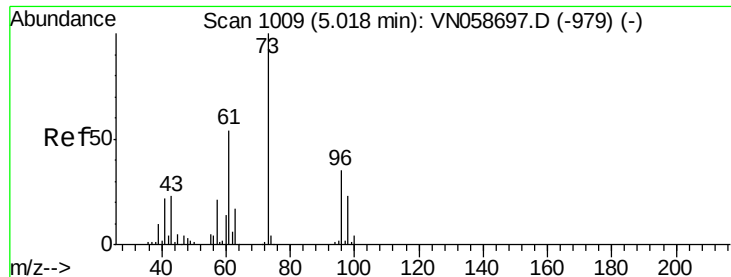
Tot Ion: 76 Resp: 749030
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 49.802 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion: 43 Resp: 376585
Ion Ratio Lower Upper
43 100
74 22.2 17.2 25.8

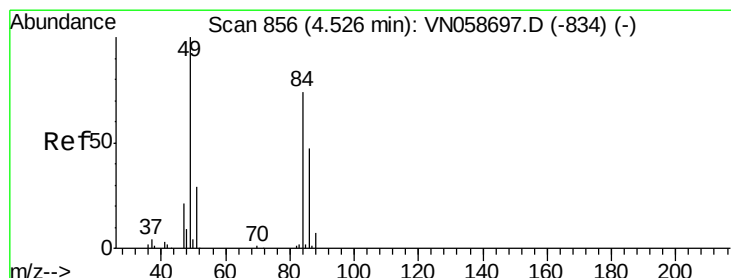
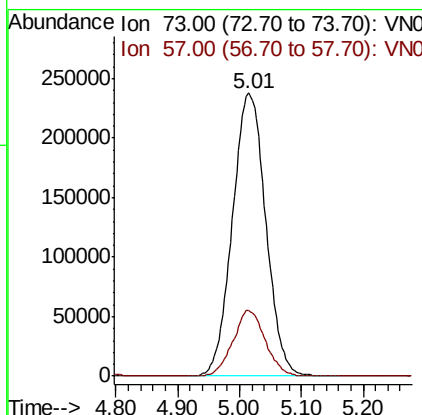
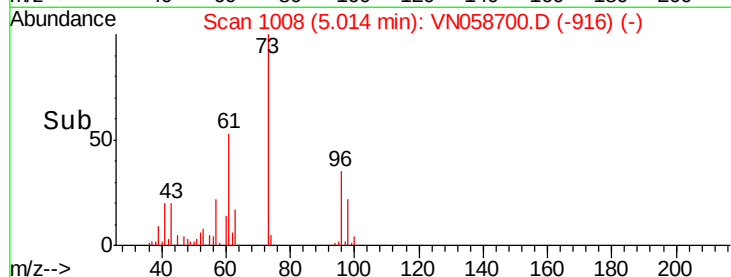
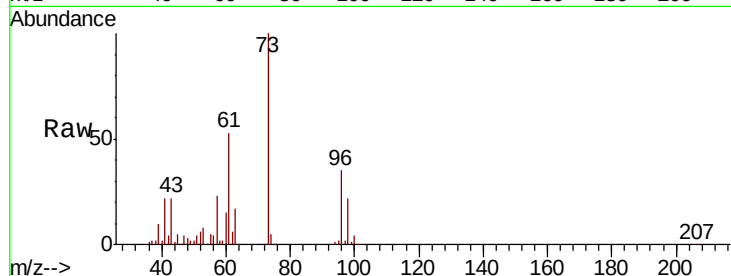




#19
Methvl tert-butyl Ether
Concen: 50.496 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

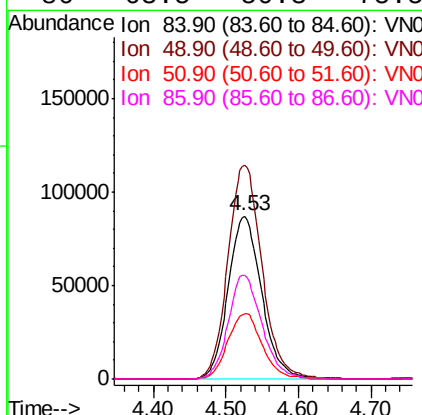
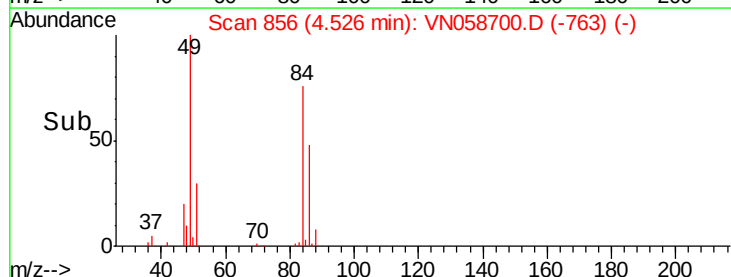
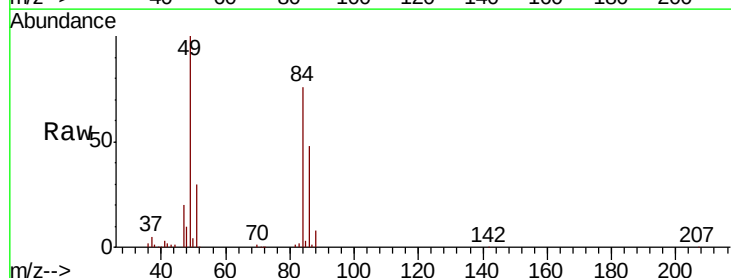
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

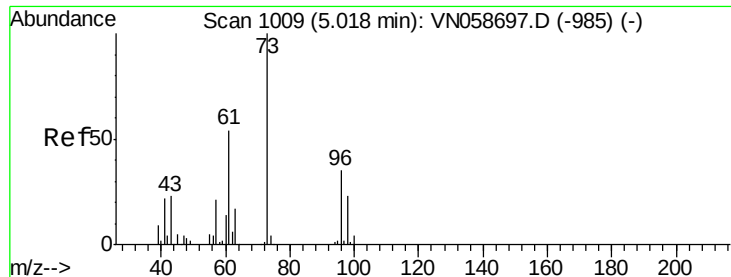
Tot Ion: 73 Resp: 890649
Ion Ratio Lower Upper
73 100
57 23.3 17.0 25.6



#20
Methylene Chloride
Concen: 44.996 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion: 84 Resp: 280338
Ion Ratio Lower Upper
84 100
49 130.9 107.6 161.4
51 39.9 31.4 47.0
86 63.5 50.3 75.5

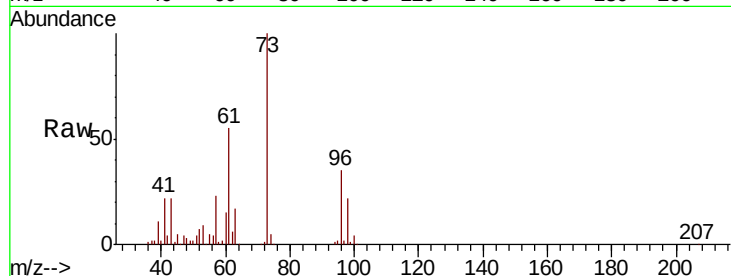




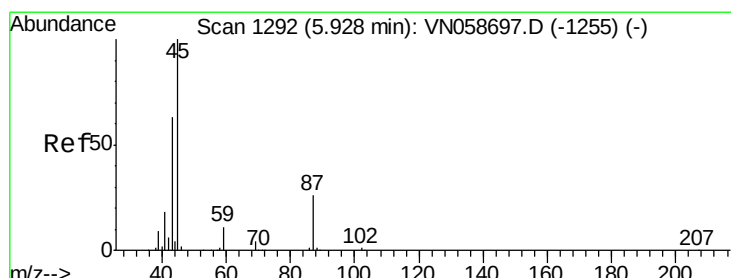
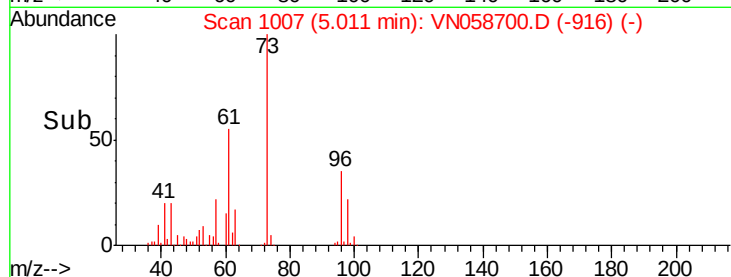
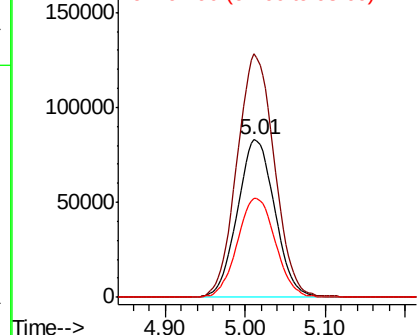
#21
trans-1,2-Dichloroethene
Concen: 47.791 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

Tot Ion: 96 Resp: 264054
Ion Ratio Lower Upper
96 100
61 154.6 123.6 185.4
98 62.9 52.1 78.1

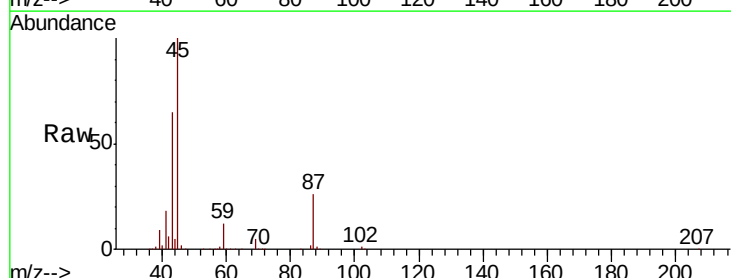


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

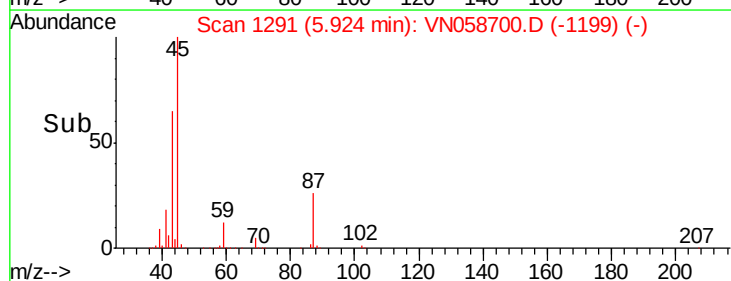
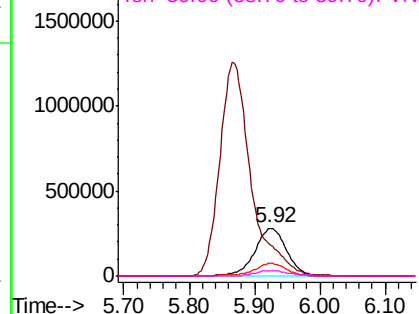


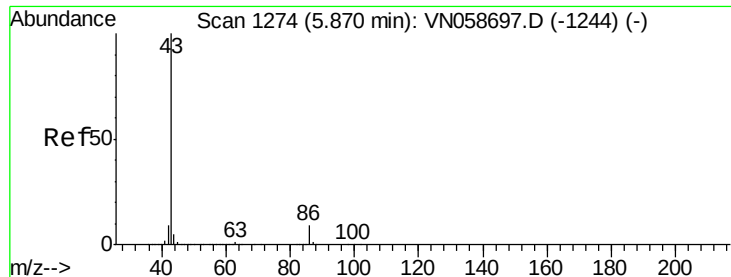
#22
Diisopropyl ether
Concen: 49.263 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion: 45 Resp: 954795
Ion Ratio Lower Upper
45 100
43 63.5 50.6 75.8
87 26.1 21.1 31.7
59 11.5 9.0 13.4



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





#23

Vinyl Acetate

Concen: 268.229 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

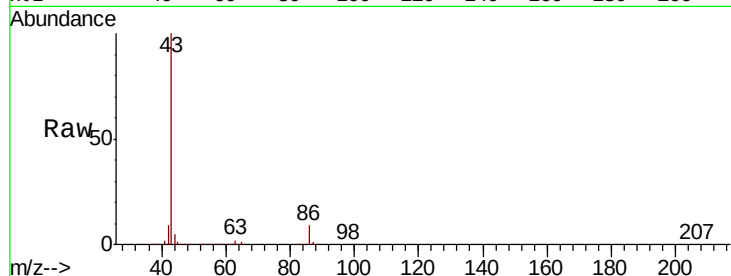
ICVFN101319

Tot Ion: 43 Resp: 4194869

Ion Ratio Lower Upper

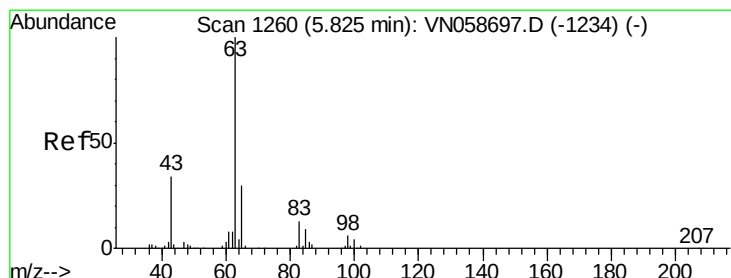
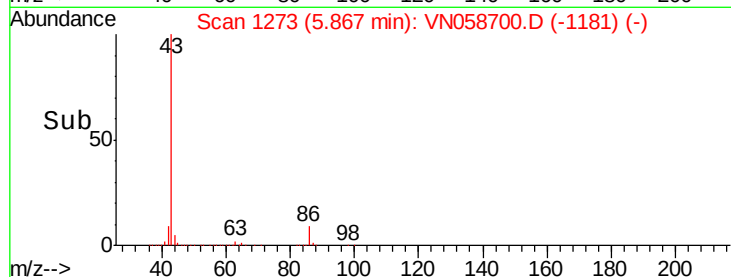
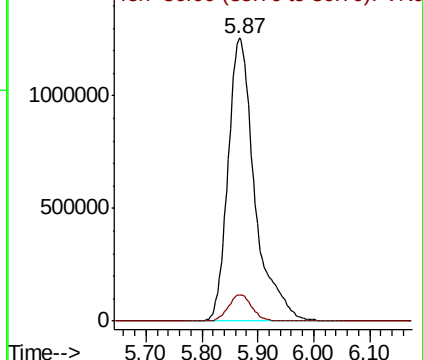
43 100

86 9.4 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.544 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

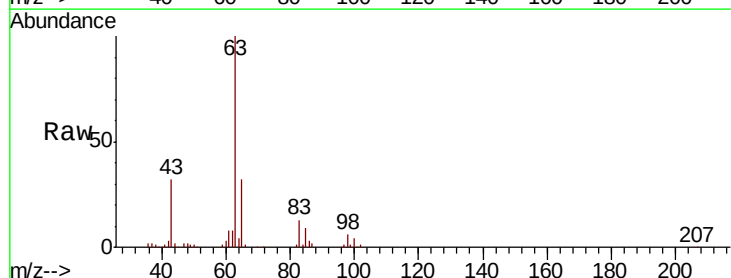
Tgt Ion: 63 Resp: 535858

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

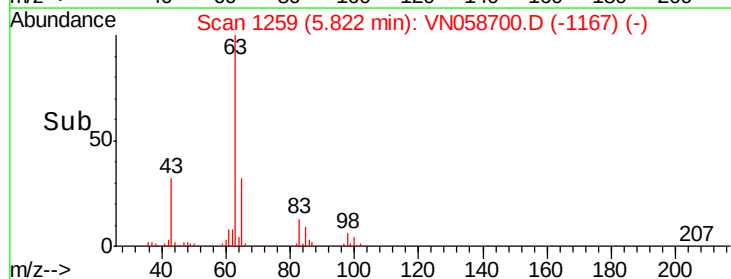
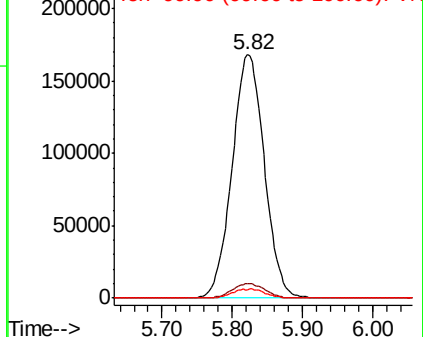
100 3.6 1.8 5.5

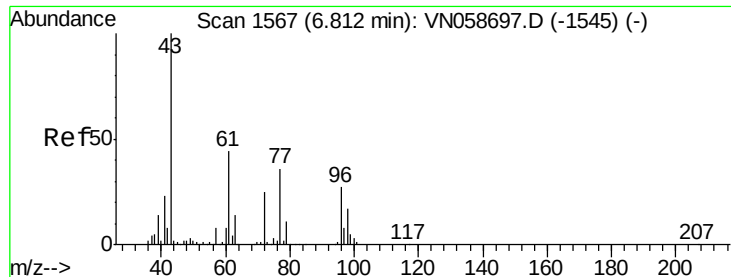


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 257.630 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

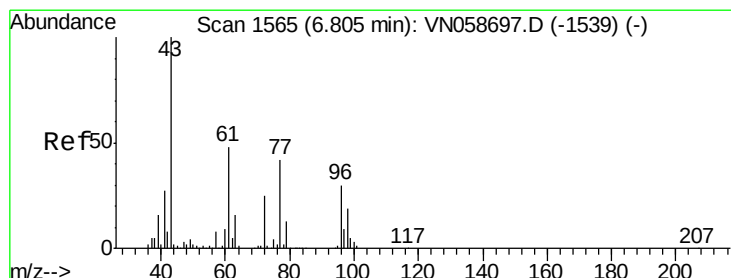
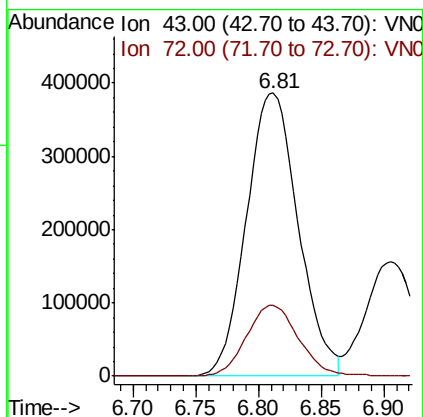
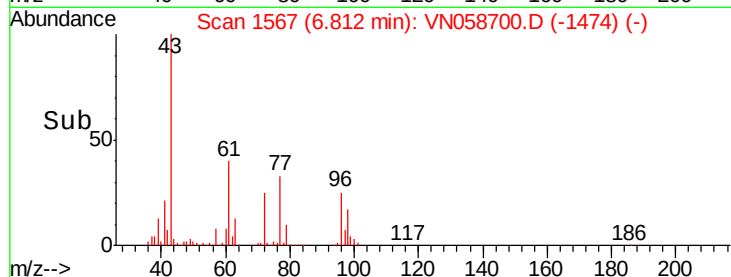
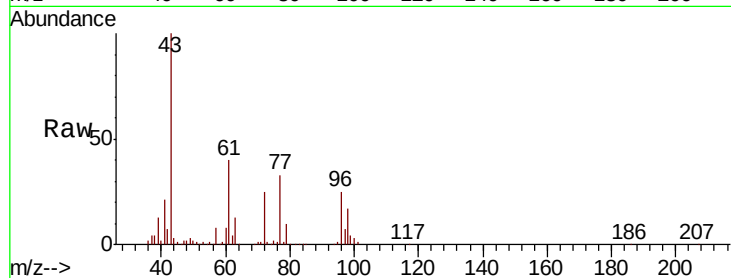
ICVFN101319

Tot Ion: 43 Resp: 1110076

Ion Ratio Lower Upper

43 100

72 24.9 20.2 30.2



#26

2,2-Dichloropropane

Concen: 46.433 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN058700.D

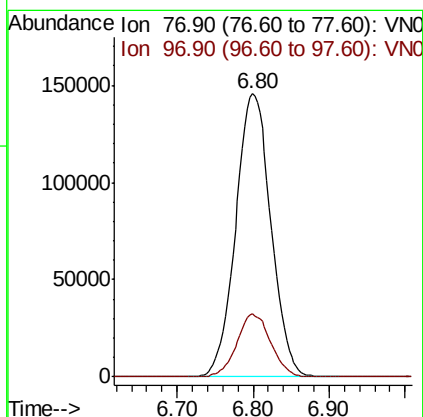
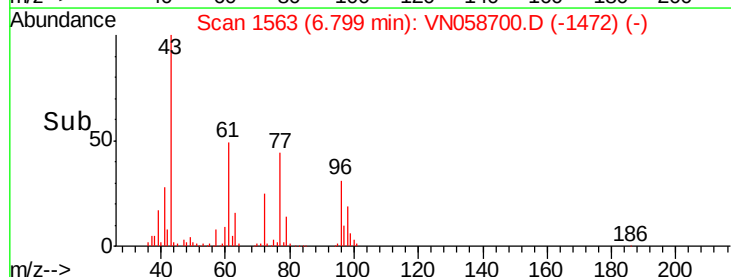
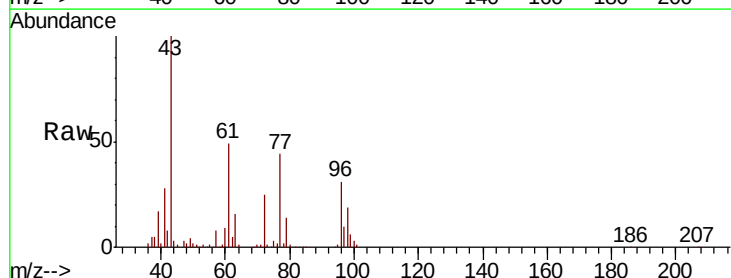
Acq: 11 Oct 2019 13:50

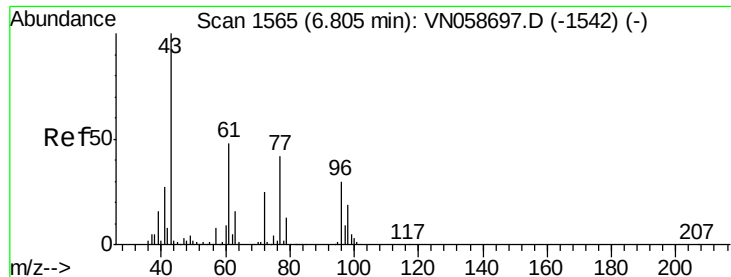
Tgt Ion: 77 Resp: 467871

Ion Ratio Lower Upper

77 100

97 21.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 47.499 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101319

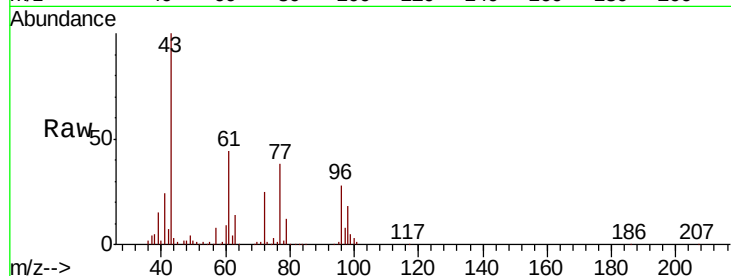
Tot Ion: 96 Resp: 306040

Ion Ratio Lower Upper

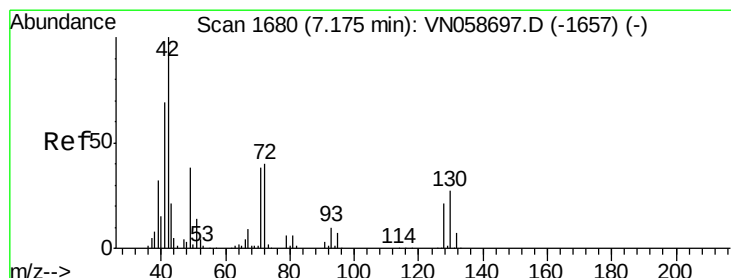
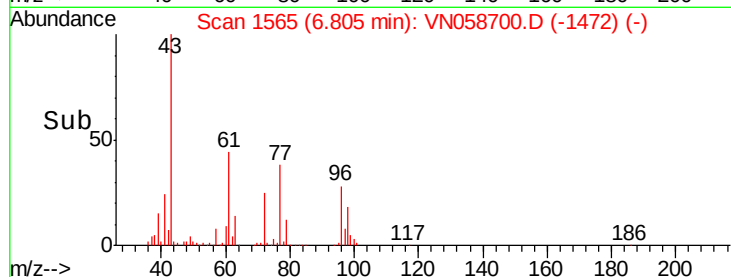
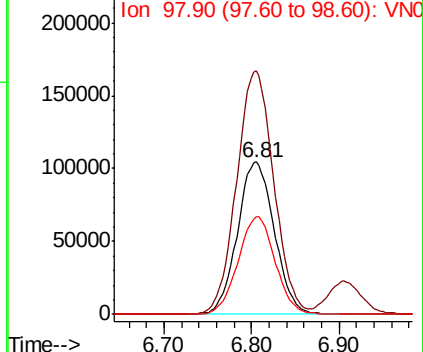
96 100

61 160.8 0.0 324.8

98 64.4 0.0 129.2



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



#28

Bromochloromethane

Concen: 49.130 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

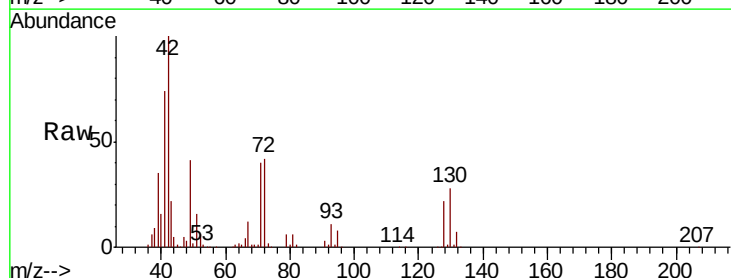
Tgt Ion: 49 Resp: 188669

Ion Ratio Lower Upper

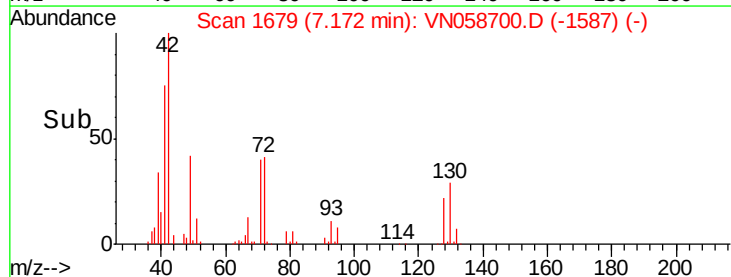
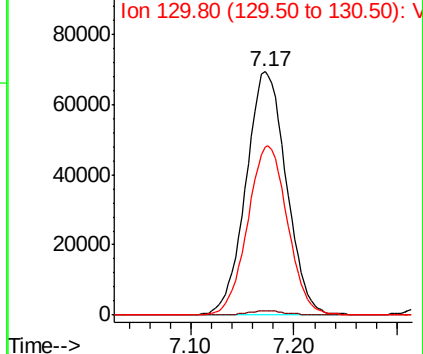
49 100

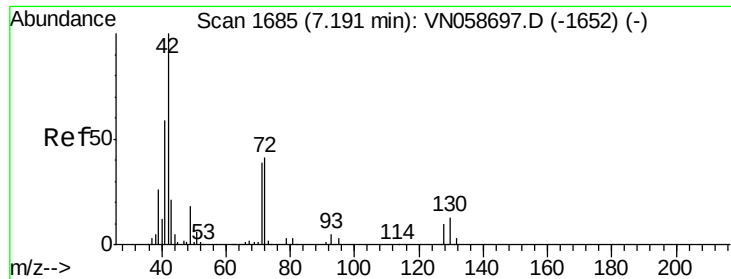
129 1.7 0.0 3.6

130 68.6 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

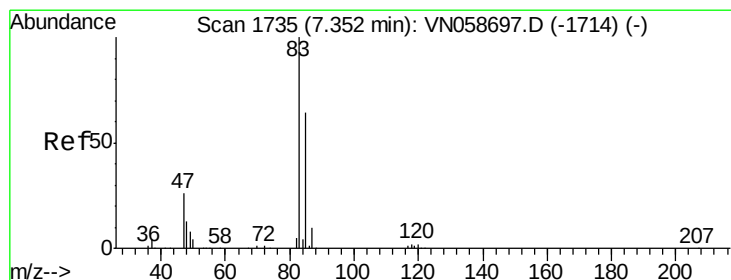
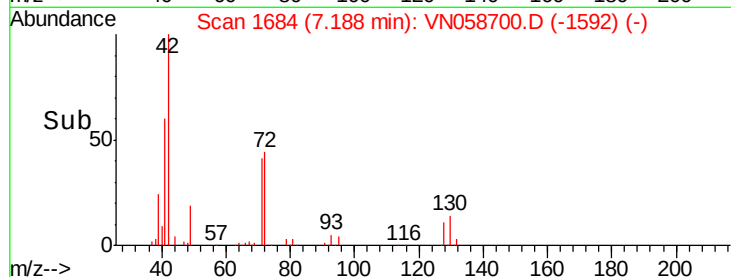
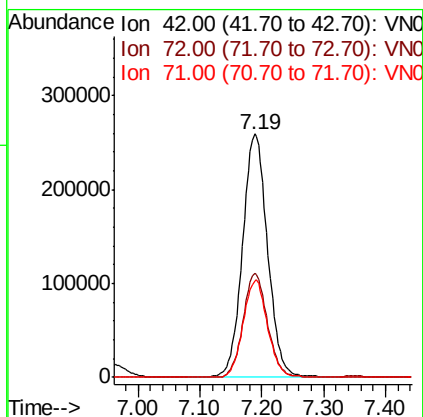
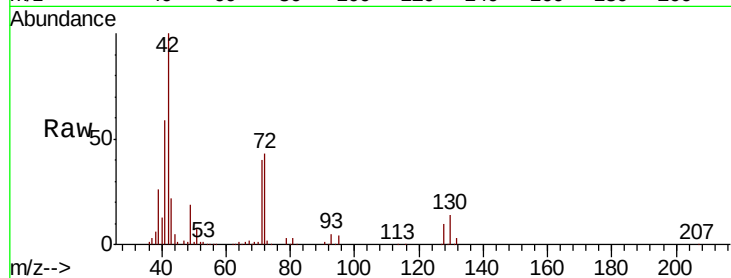




#29
Tetrahydrofuran
Concen: 261.684 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

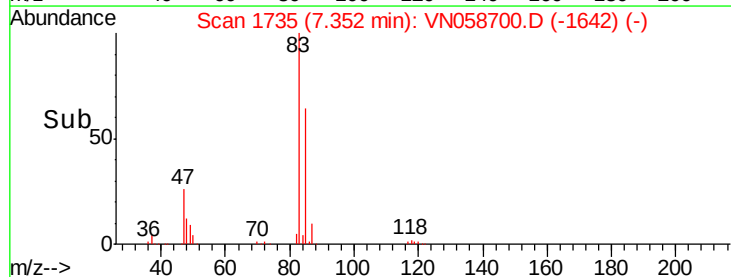
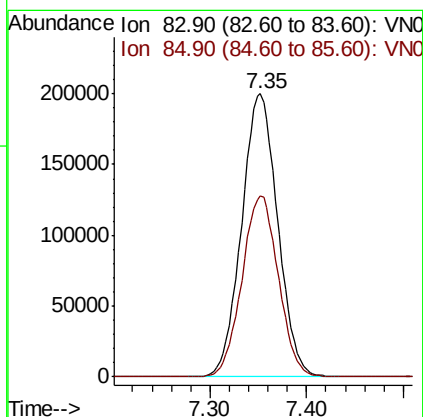
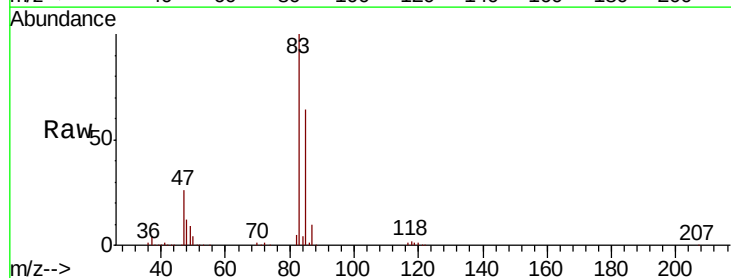
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

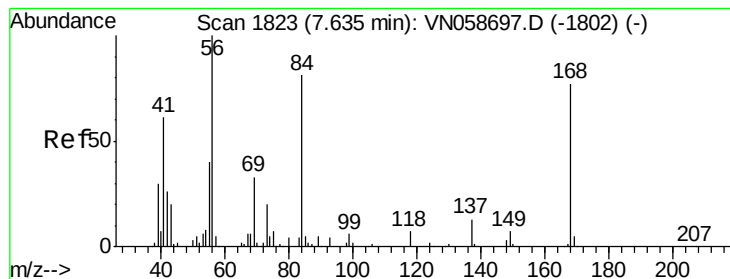
Tot Ion: 42 Resp: 728653
Ion Ratio Lower Upper
42 100
72 41.5 32.8 49.2
71 38.9 31.1 46.7



#30
Chloroform
Concen: 46.703 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion: 83 Resp: 517954
Ion Ratio Lower Upper
83 100
85 64.1 51.0 76.6





#31

Cyclohexane

Concen: 46.524 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101319

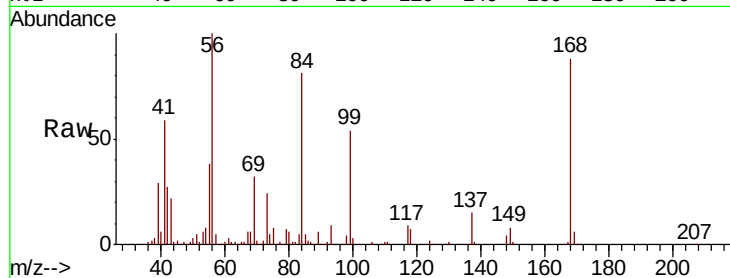
Tot Ion: 56 Resp: 491377

Ion Ratio Lower Upper

56 100

69 31.7 26.2 39.4

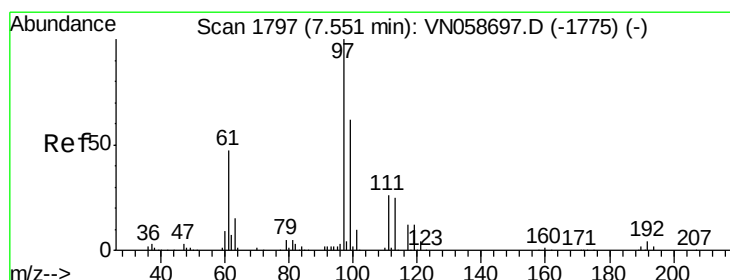
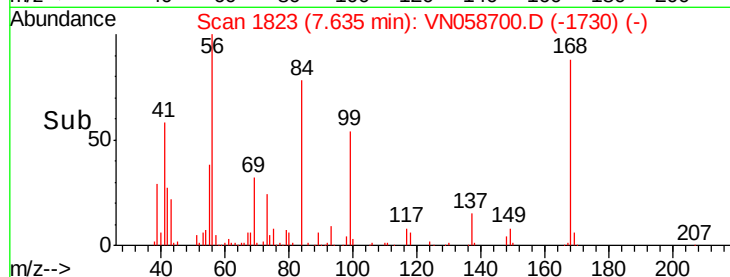
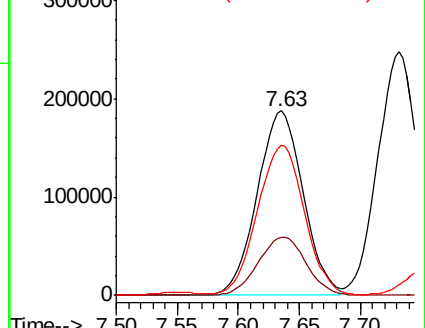
84 80.0 64.9 97.3



Abundance Ion 56.00 (55.70 to 56.70): VN058700.D (-1730) (-)

Ion 69.00 (68.70 to 69.70): VN058700.D (-1730) (-)

Ion 84.00 (83.70 to 84.70): VN058700.D (-1730) (-)



#32

1,1,1-Trichloroethane

Concen: 48.094 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

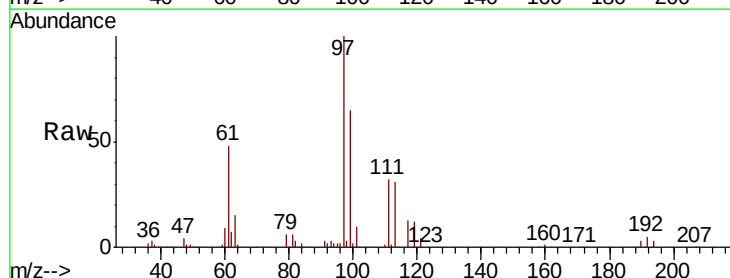
Tgt Ion: 97 Resp: 454878

Ion Ratio Lower Upper

97 100

99 64.9 50.8 76.2

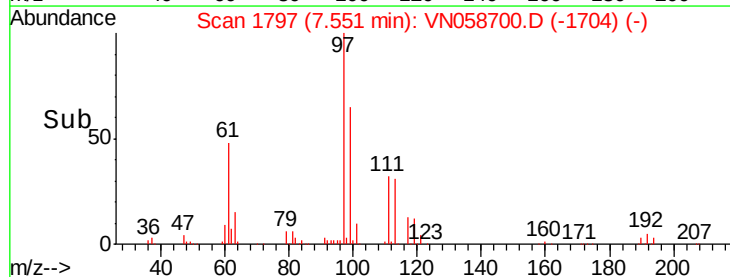
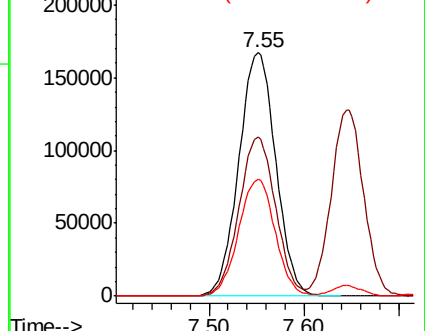
61 47.6 38.1 57.1

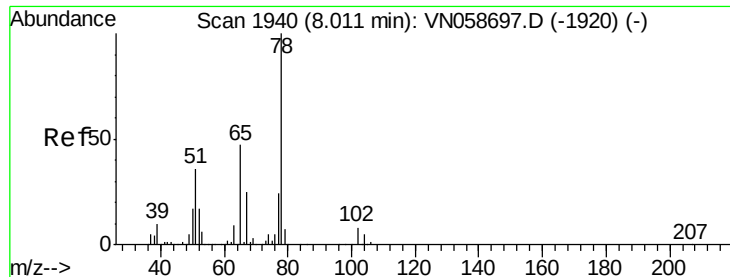


Abundance Ion 96.90 (96.60 to 97.60): VN058700.D (-1704) (-)

Ion 98.90 (98.60 to 99.60): VN058700.D (-1704) (-)

Ion 60.90 (60.60 to 61.60): VN058700.D (-1704) (-)

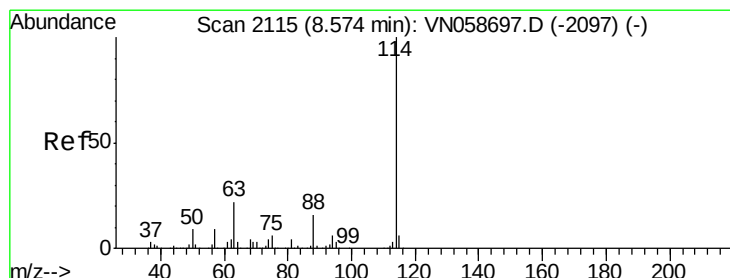
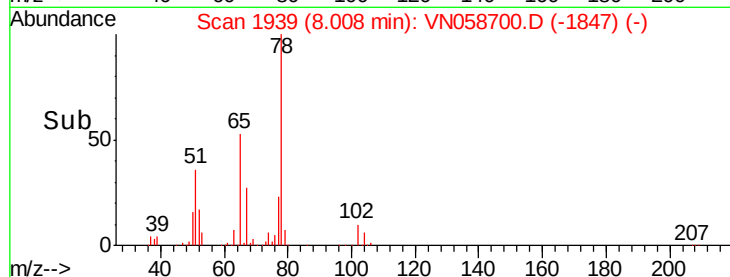
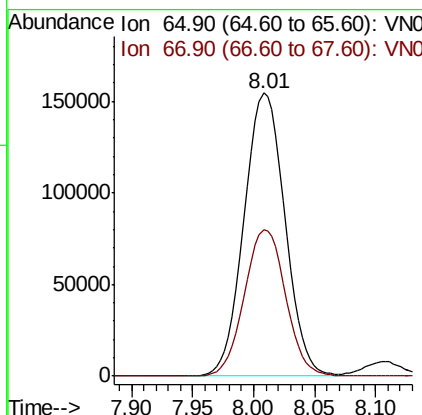
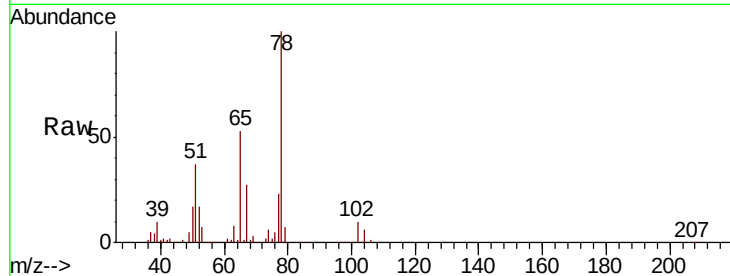




#33
 1,2-Dichloroethane-d4
 Concen: 49.886 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

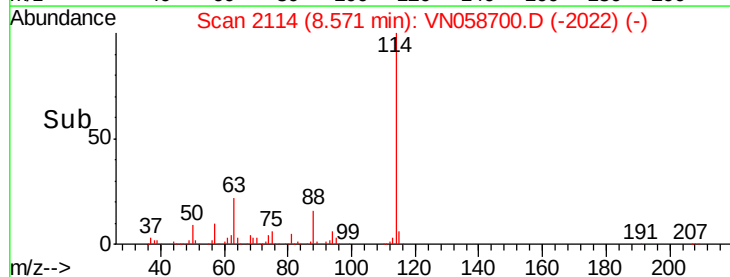
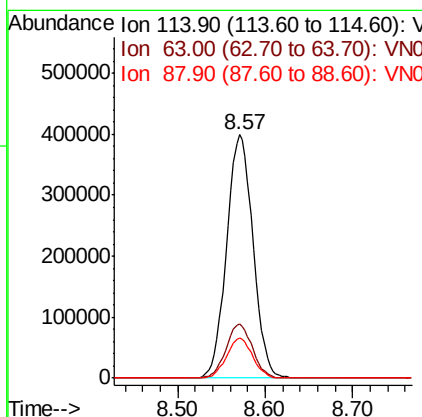
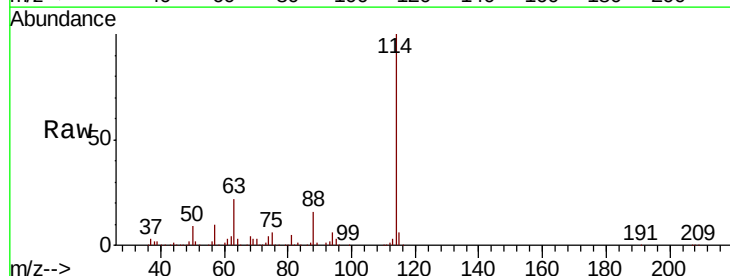
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

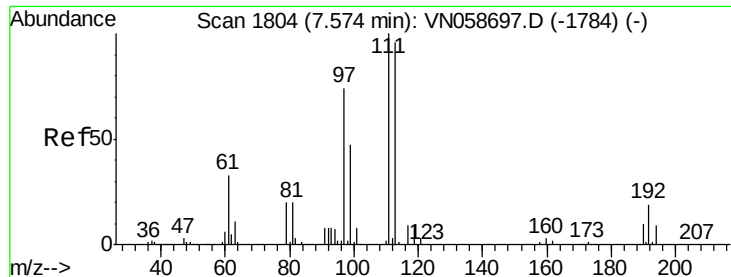
Tot Ion: 65 Resp: 359216
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion: 114 Resp: 835866
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.818 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101319

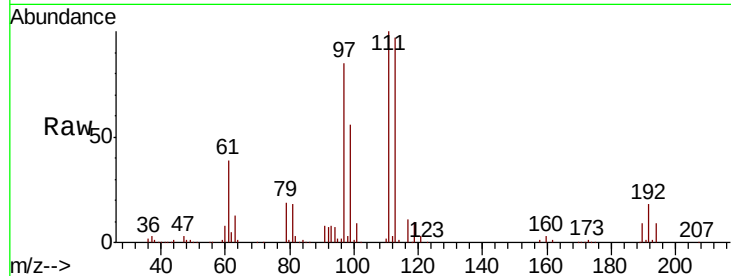
Tot Ion:113 Resp: 262374

Ion Ratio Lower Upper

113 100

111 103.3 82.3 123.5

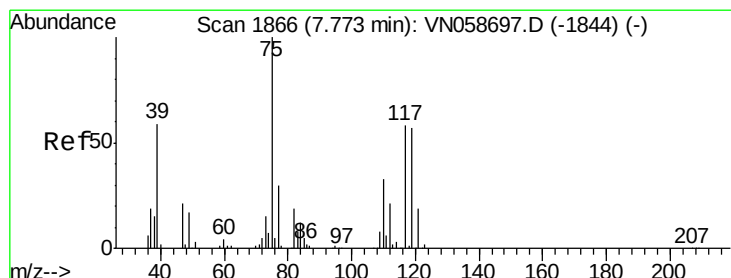
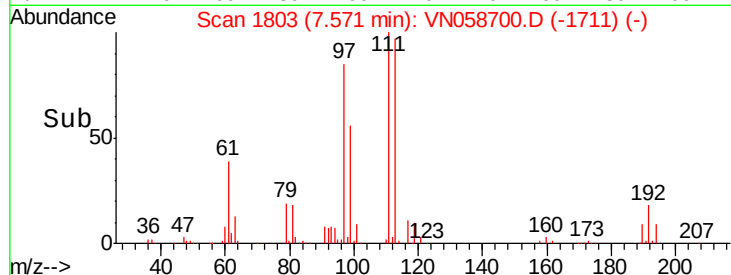
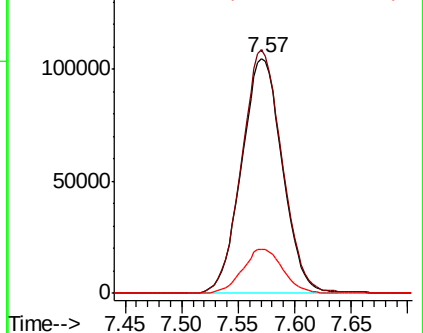
192 18.6 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.650 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

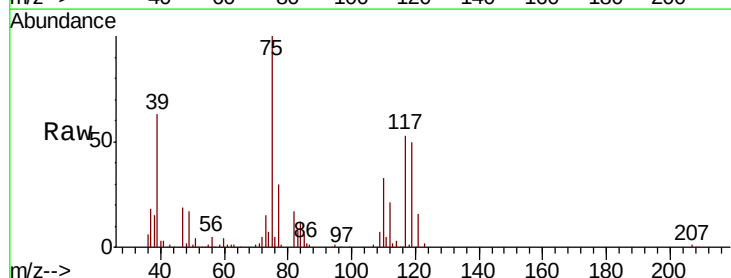
Tgt Ion: 75 Resp: 402699

Ion Ratio Lower Upper

75 100

110 33.3 16.6 49.8

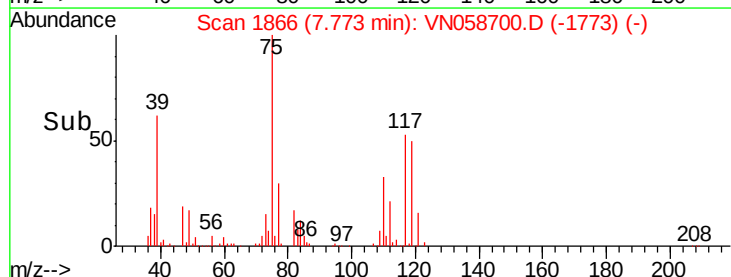
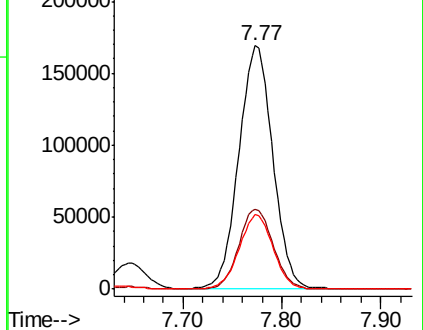
77 30.9 24.6 37.0

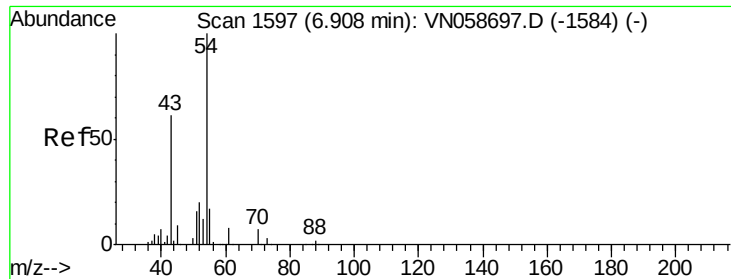


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

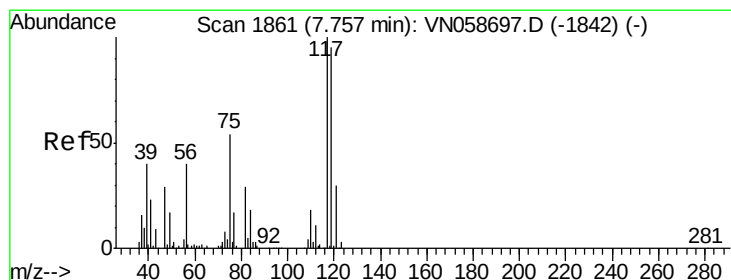
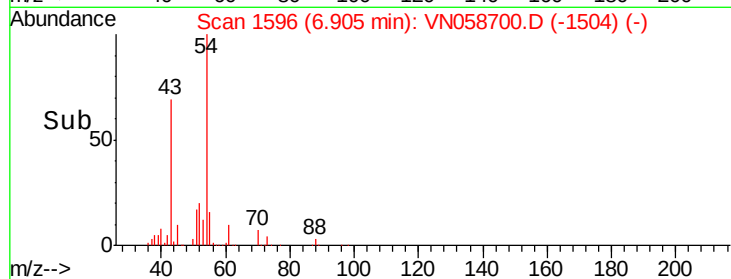
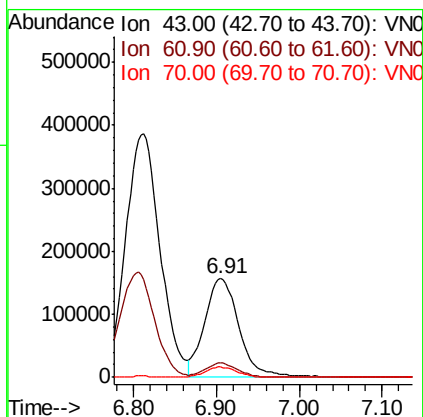
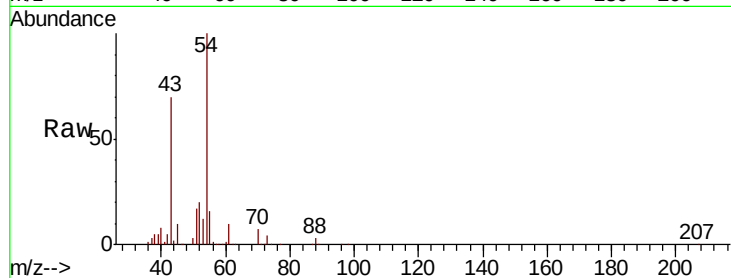




#37
Ethyl Acetate
Concen: 52.333 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

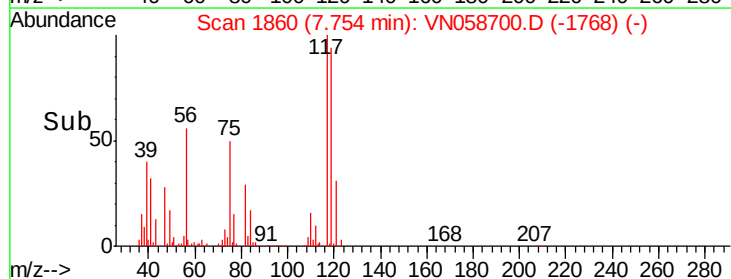
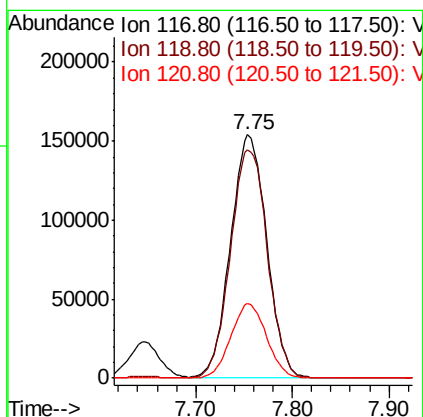
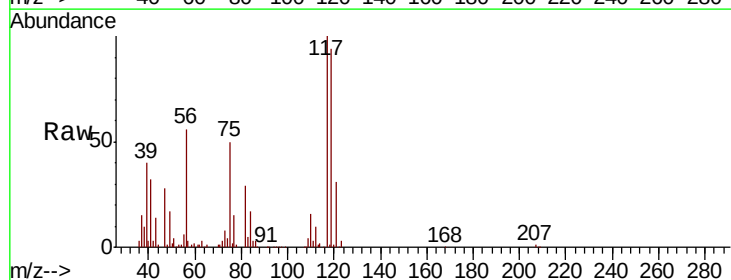
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

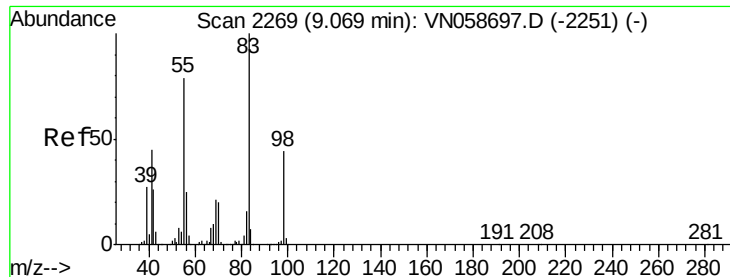
Tot Ion: 43 Resp: 447291
Ion Ratio Lower Upper
43 100
61 13.6 11.3 16.9
70 9.9 7.2 10.8



#38
Carbon Tetrachloride
Concen: 48.638 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion: 117 Resp: 400611
Ion Ratio Lower Upper
117 100
119 93.5 75.7 113.5
121 30.8 23.9 35.9

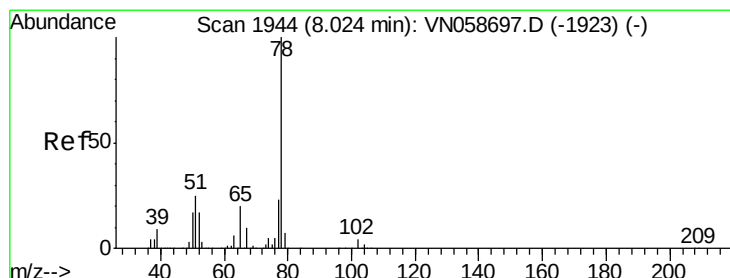
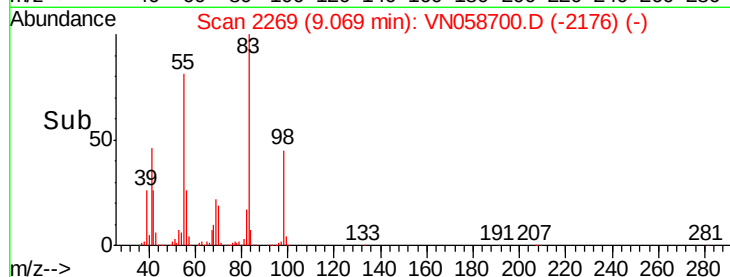
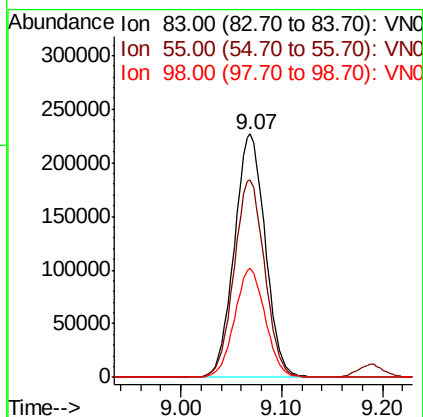
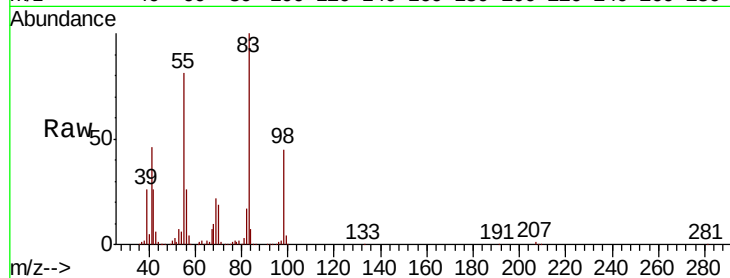




#39
Methylvlcyclohexane
Concen: 49.102 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

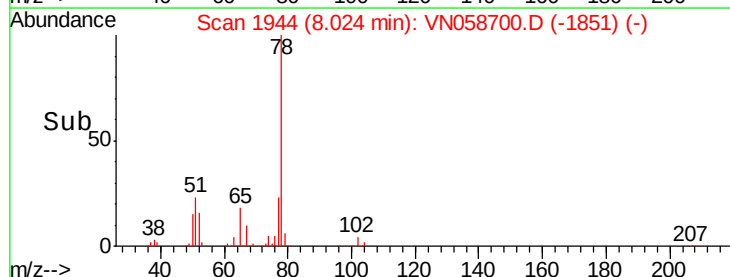
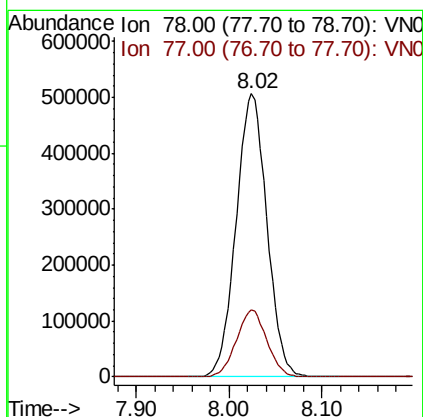
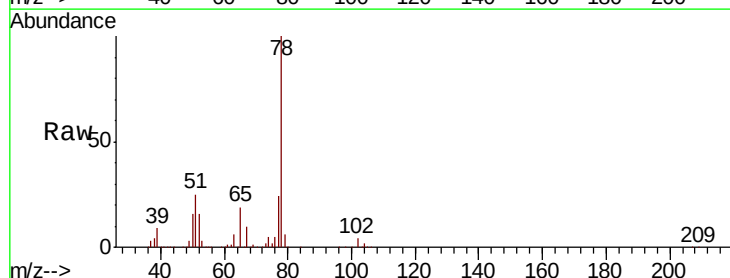
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

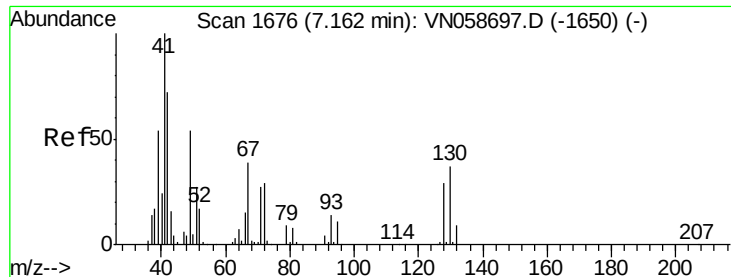
Tot Ion: 83 Resp: 481529
Ion Ratio Lower Upper
83 100
55 81.4 63.4 95.0
98 44.6 35.1 52.7



#40
Benzene
Concen: 48.074 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion: 78 Resp: 1166847
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

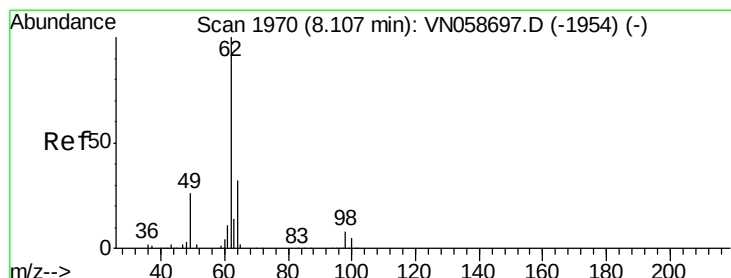
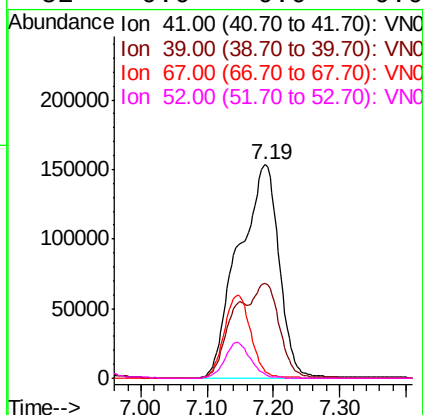
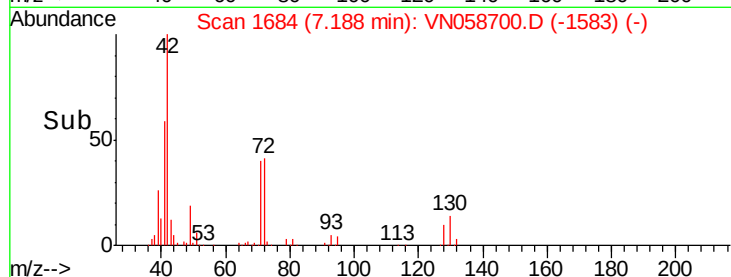
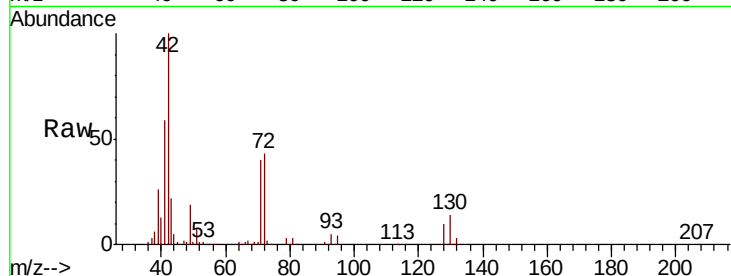




#41
Methacrylonitrile
Concen: 163.093 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

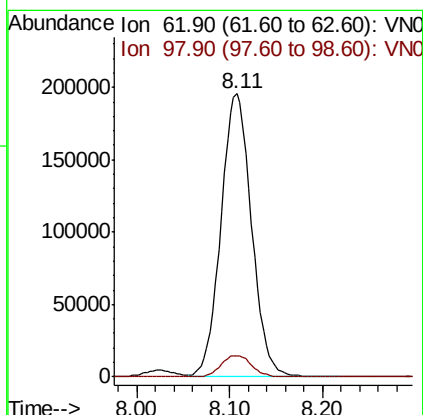
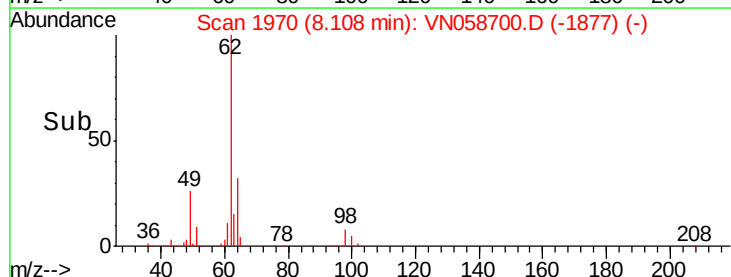
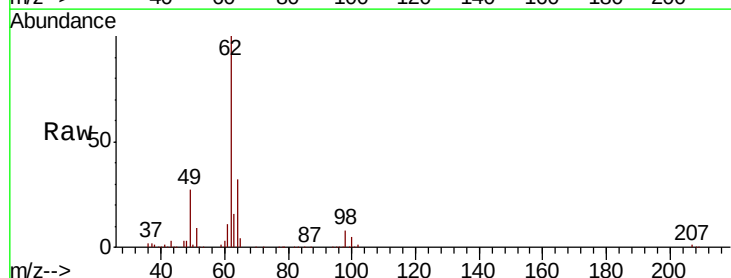
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

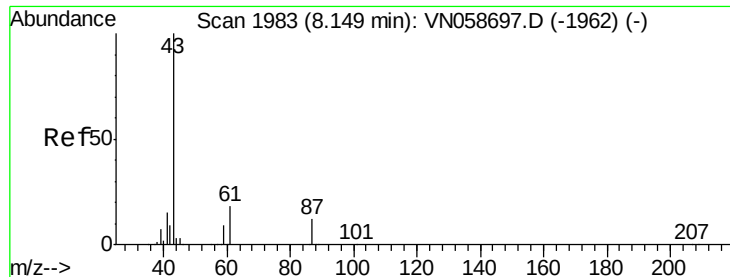
Tot Ion:	41	Resp:	652515
Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 47.932 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion:	62	Resp:	446958
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





#43

Isopropyl Acetate

Concen: 50.263 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101319

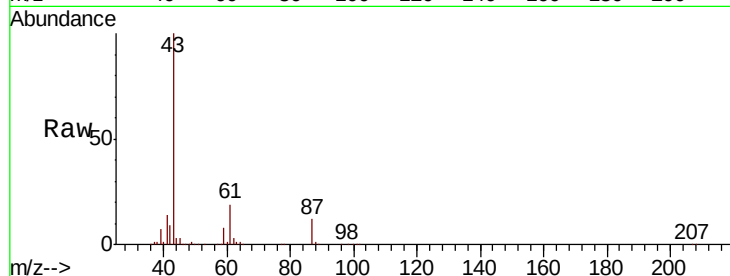
Tot Ion: 43 Resp: 731841

Ion Ratio Lower Upper

43 100

61 25.2 20.3 30.5

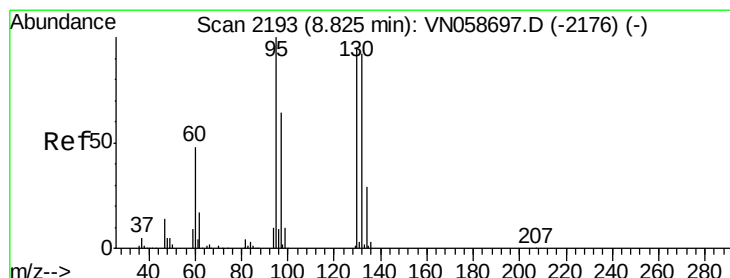
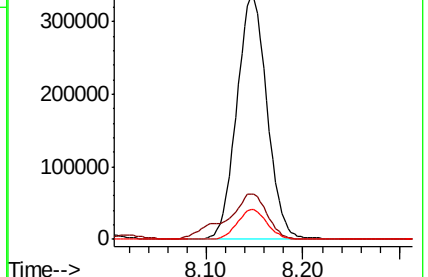
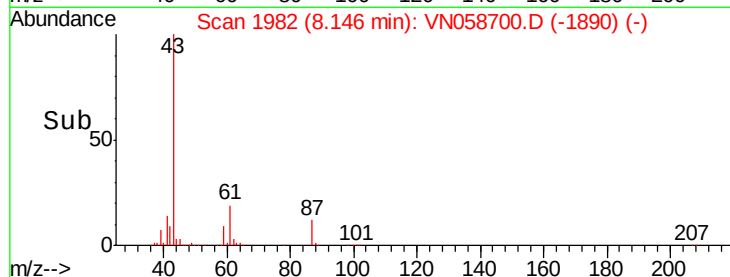
87 12.1 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058700.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058700.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058700.D (-1962) (-)



#44

Trichloroethene

Concen: 47.881 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058700.D

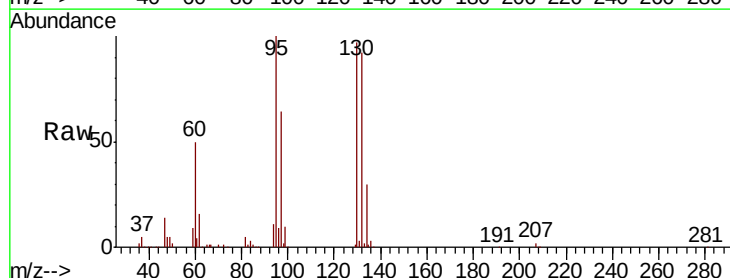
Acq: 11 Oct 2019 13:50

Tgt Ion:130 Resp: 288598

Ion Ratio Lower Upper

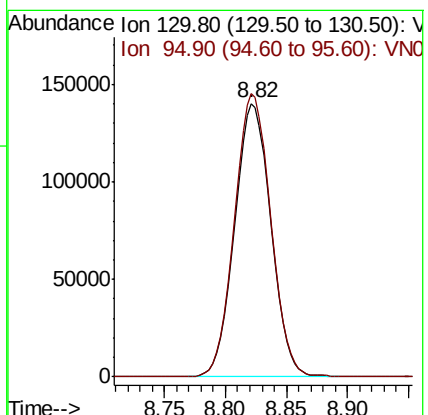
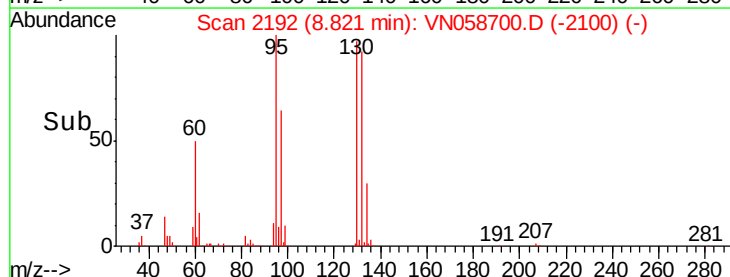
130 100

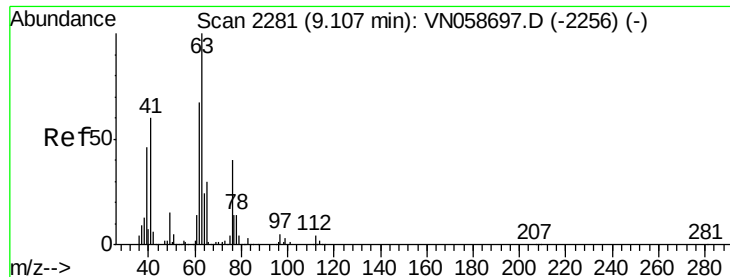
95 103.5 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058700.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058700.D (-2100) (-)

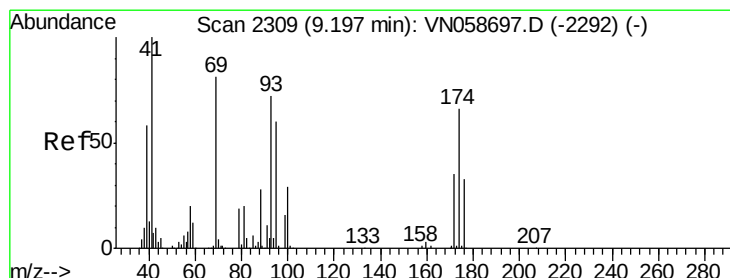
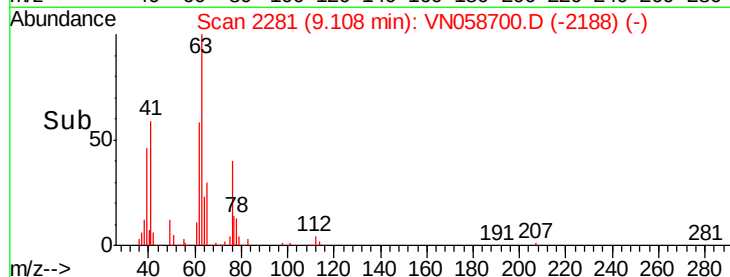
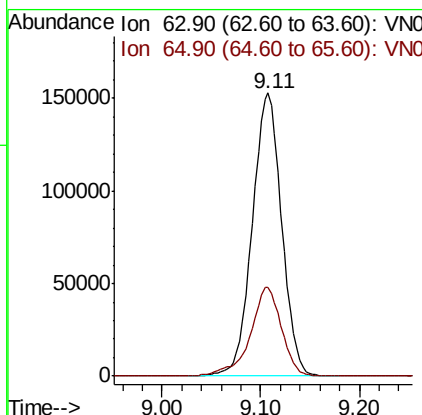
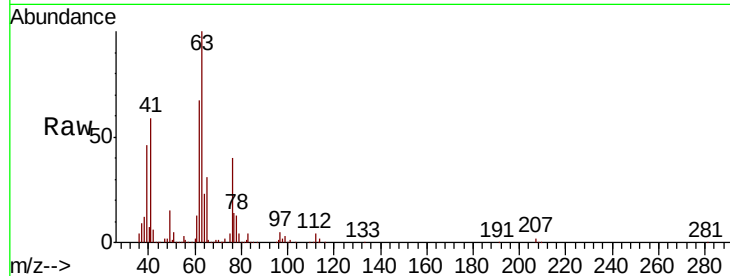




#45
 1,2-Dichloropropane
 Concen: 48.184 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

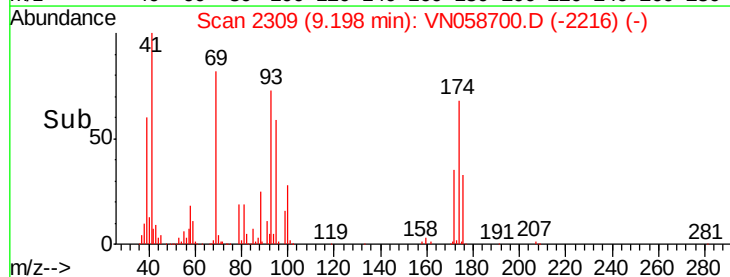
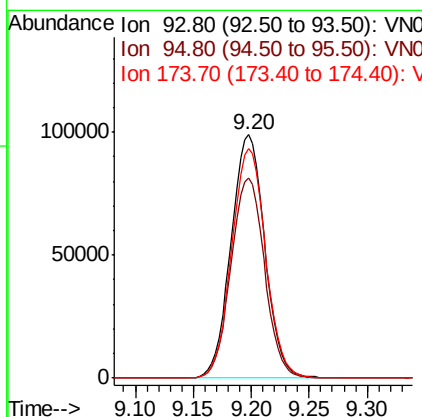
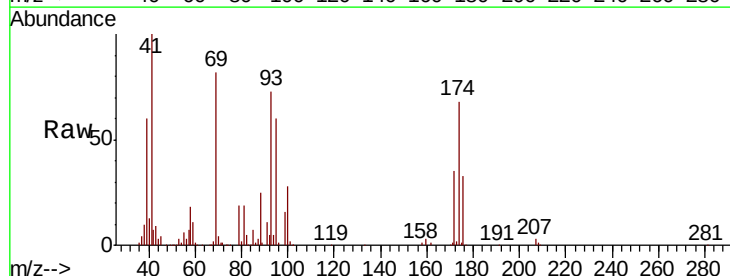
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

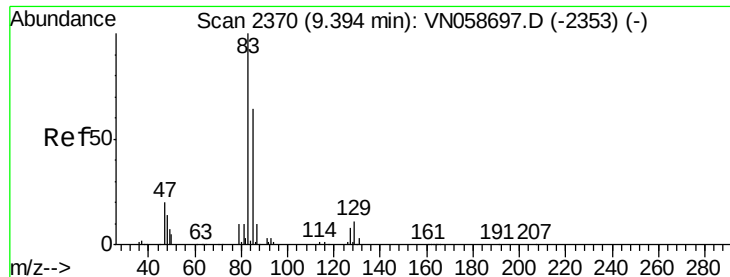
Tot Ion: 63 Resp: 313081
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.1 36.1



#46
 Dibromomethane
 Concen: 48.577 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion: 93 Resp: 200114
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.6 100.0
 174 94.7 75.2 112.8





#47

Bromodichloromethane

Concen: 48.906 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101319

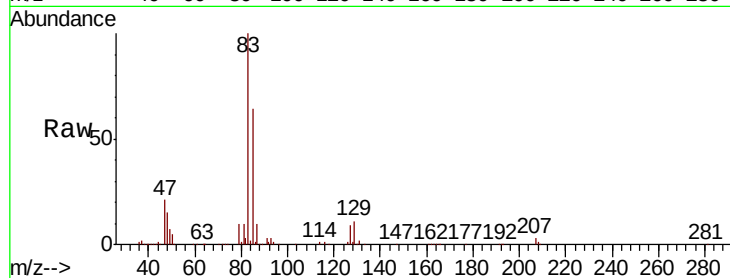
Tot Ion: 83 Resp: 410266

Ion Ratio Lower Upper

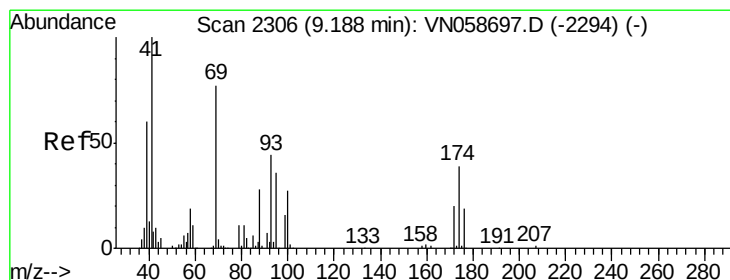
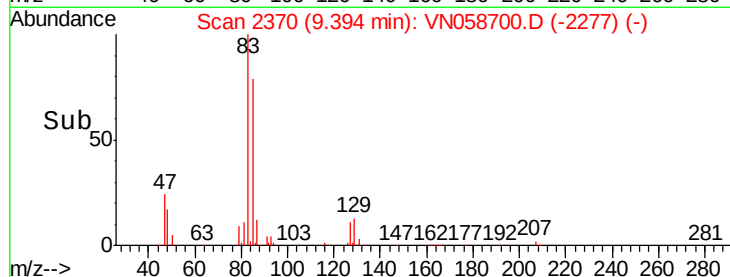
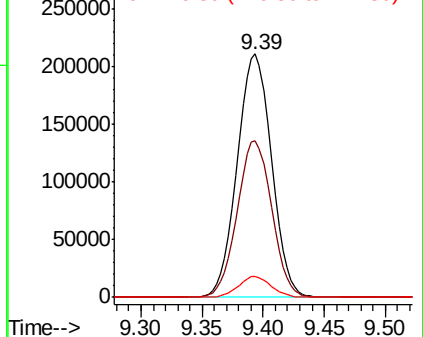
83 100

85 64.5 50.9 76.3

127 8.6 6.3 9.5



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



#48

Methyl methacrylate

Concen: 50.741 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

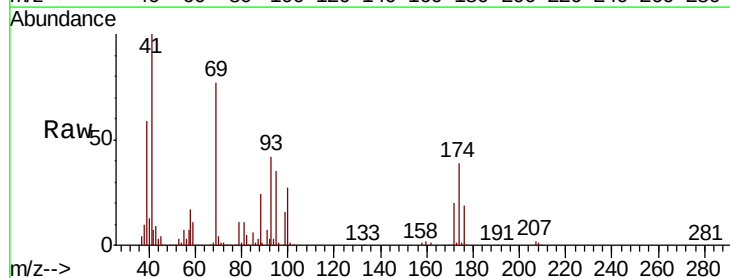
Tgt Ion: 41 Resp: 334893

Ion Ratio Lower Upper

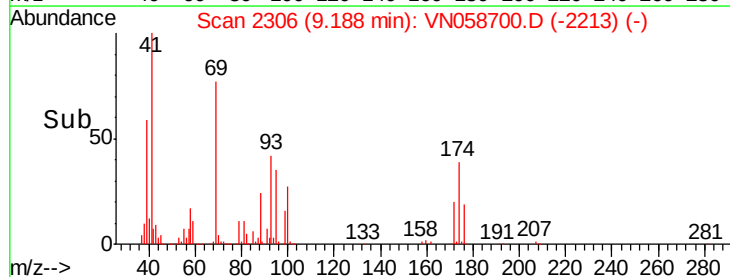
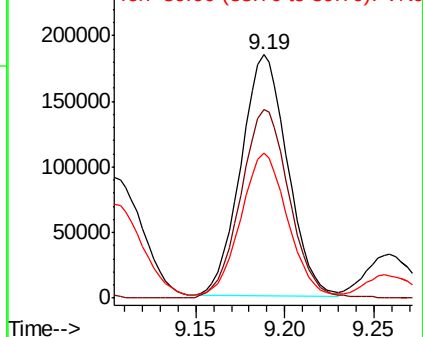
41 100

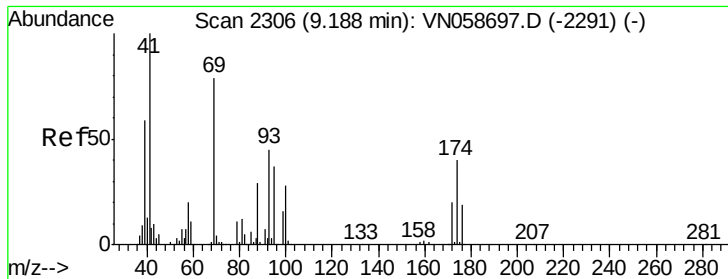
69 81.8 63.4 95.2

39 61.3 48.9 73.3



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

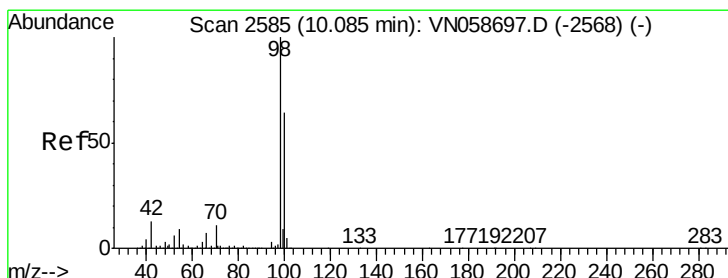
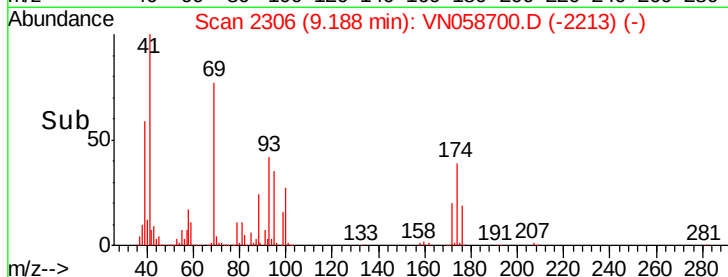
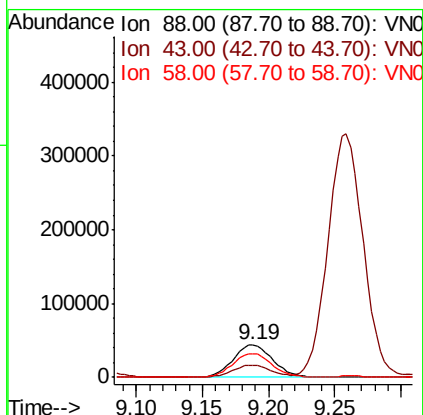
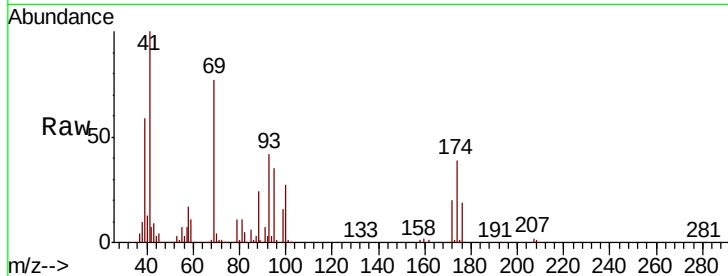




#49
1,4-Dioxane
Concen: 904.813 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

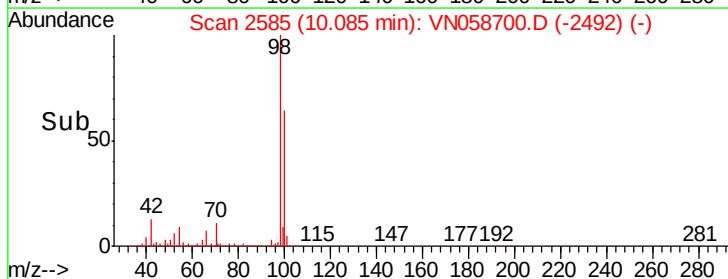
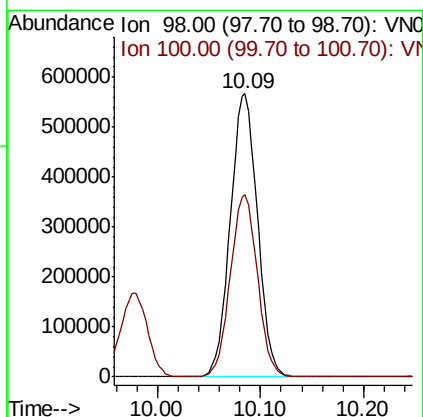
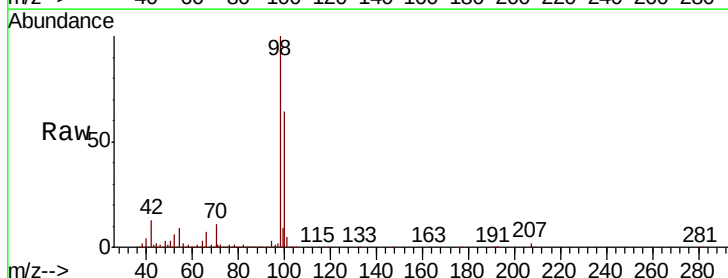
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

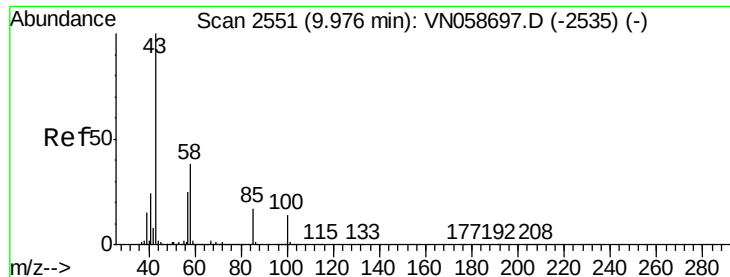
Tot Ion: 88 Resp: 92386
Ion Ratio Lower Upper
88 100
43 35.9 28.6 43.0
58 72.4 57.2 85.8



#50
Toluene-d8
Concen: 50.515 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion: 98 Resp: 1042925
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 276.120 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

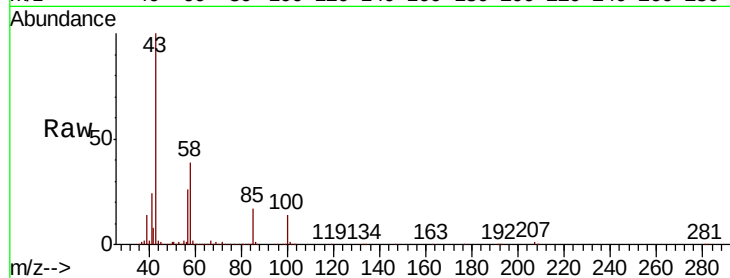
ICVFN101319

Tot Ion: 43 Resp: 2257876

Ion Ratio Lower Upper

43 100

58 38.1 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

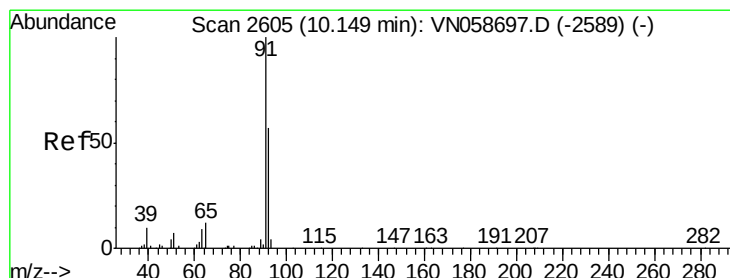
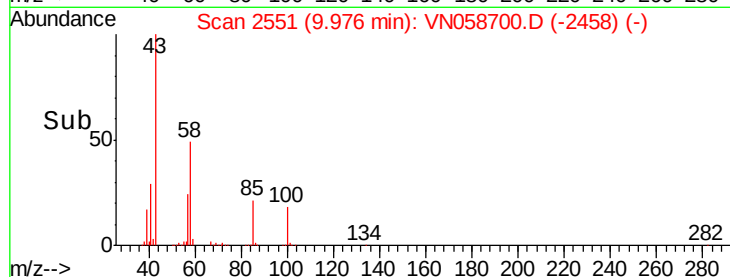
9.98

1000000

500000

0

Time-->



#52

Toluene

Concen: 49.257 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058700.D

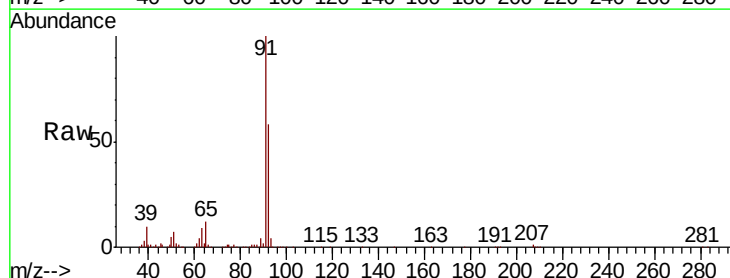
Acq: 11 Oct 2019 13:50

Tgt Ion: 92 Resp: 731227

Ion Ratio Lower Upper

92 100

91 172.9 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

10.15

800000

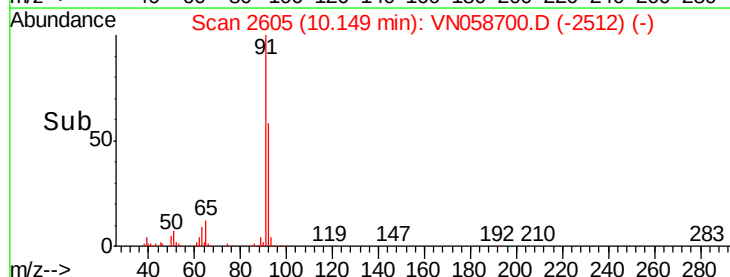
600000

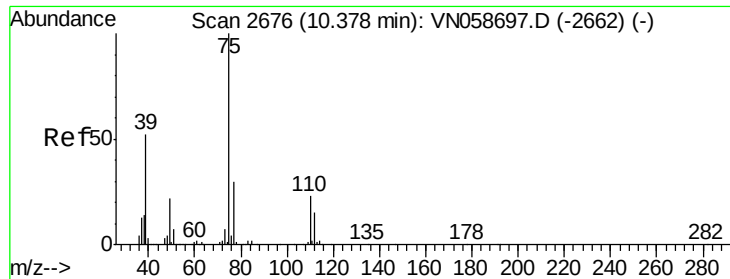
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.199 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

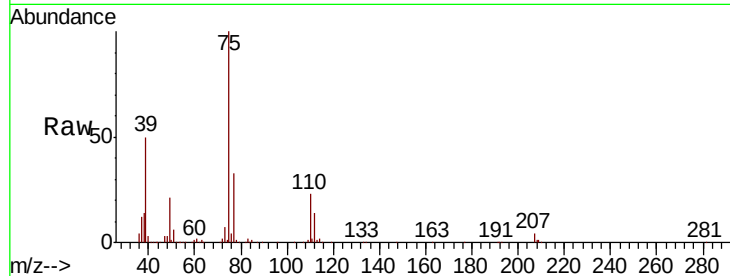
ICVVN101319

Tot Ion: 75 Resp: 482984

Ion Ratio Lower Upper

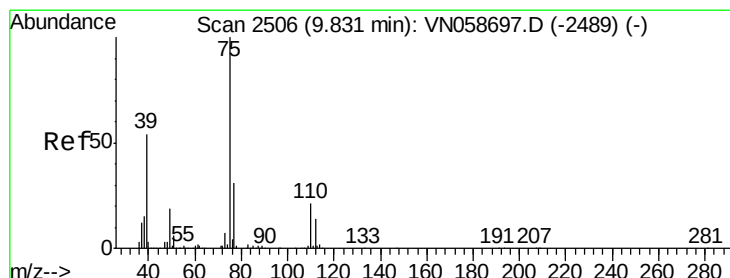
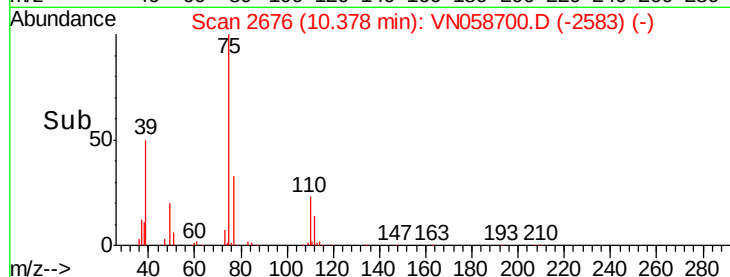
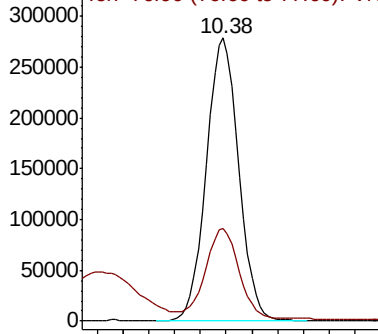
75 100

77 31.9 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.400 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

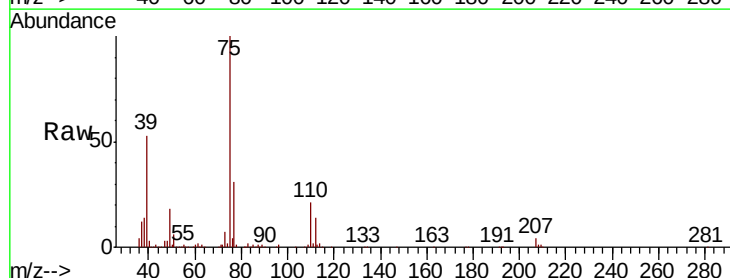
Tgt Ion: 75 Resp: 514859

Ion Ratio Lower Upper

75 100

77 31.0 24.4 36.6

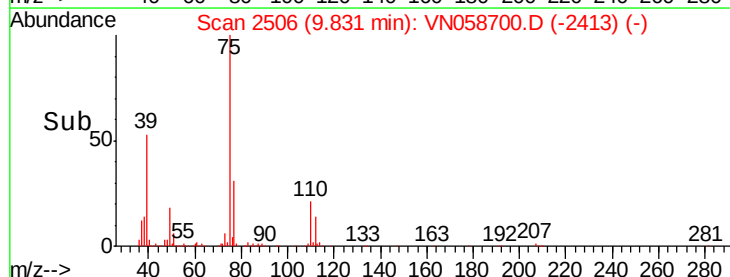
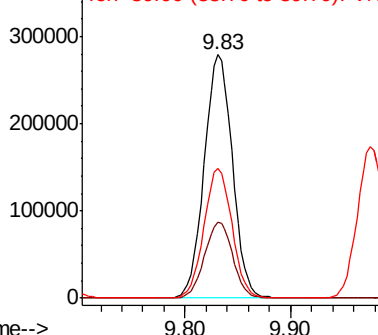
39 53.1 43.1 64.7

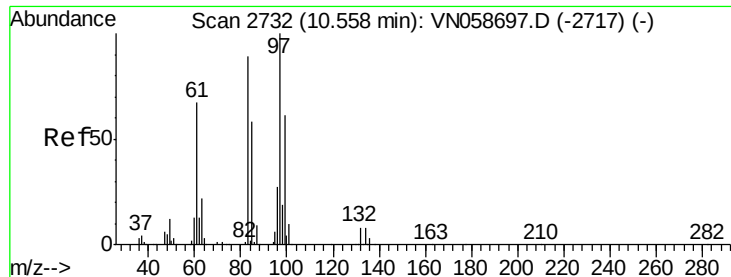


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 46.495 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

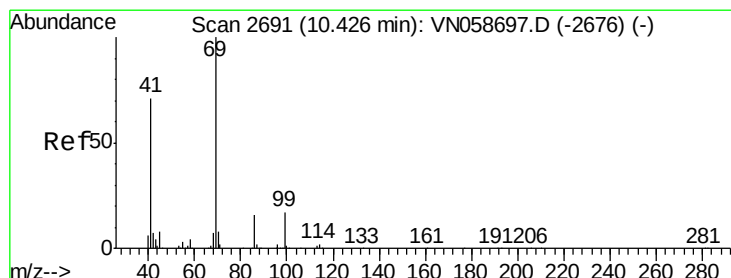
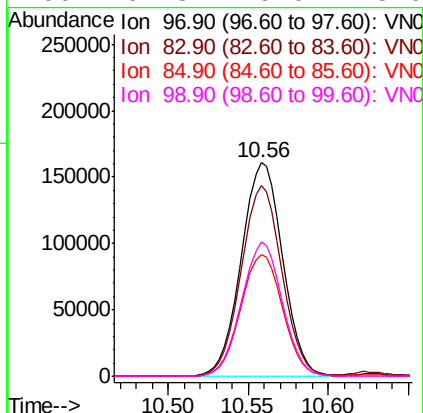
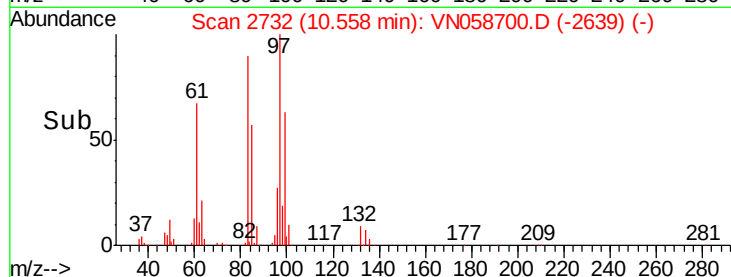
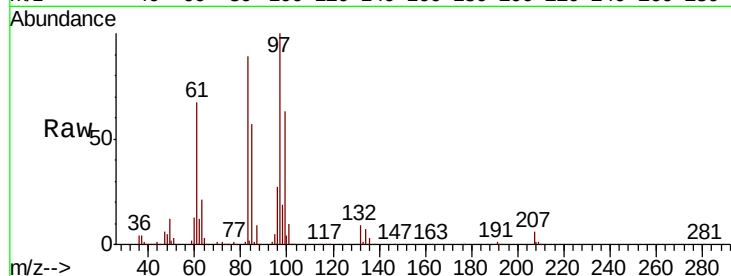
MSVOA_N

ClientSampleId :

ICVFN101319

Tot Ion: 97 Resp: 282504

Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.2	106.8
85	57.2	46.7	70.1
99	62.8	49.0	73.6



#56

Ethyl methacrylate

Concen: 54.058 ug/l

RT: 10.43 min Scan# 2691

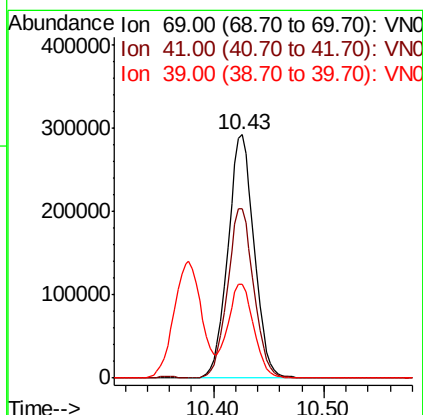
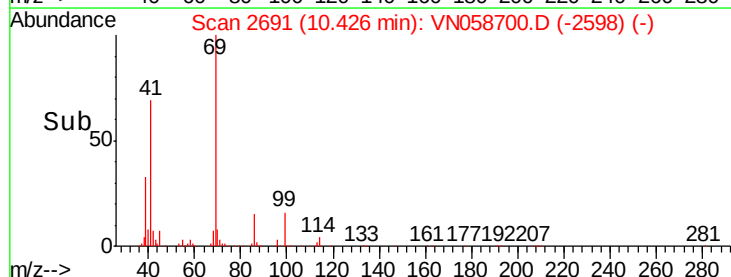
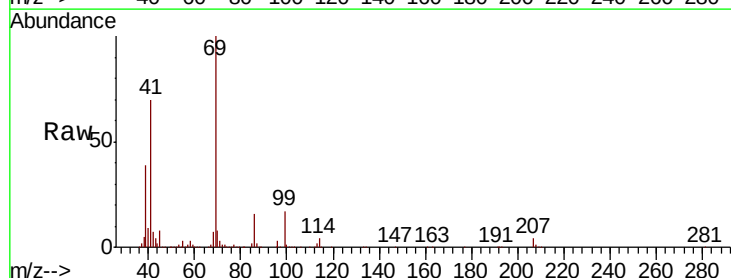
Delta R.T. 0.00 min

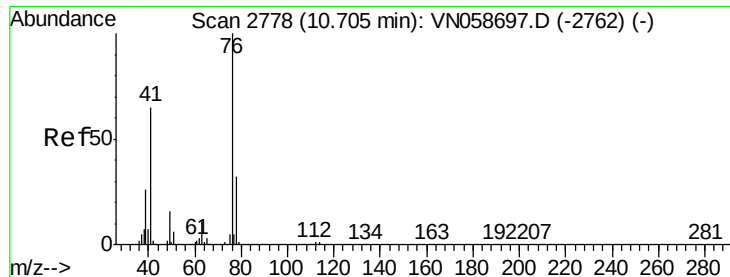
Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Tgt Ion: 69 Resp: 479848

Ion	Ratio	Lower	Upper
69	100		
41	69.3	56.8	85.2
39	37.9	32.5	48.7





#57

1,3-Dichloropropane

Concen: 48.755 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

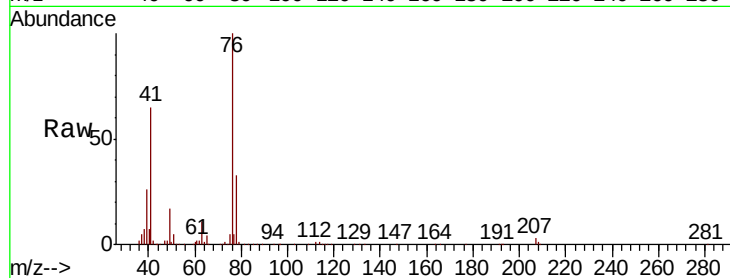
ICVNN101319

Tot Ion: 76 Resp: 504806

Ion Ratio Lower Upper

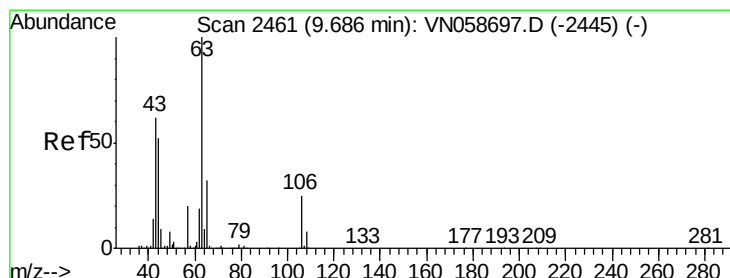
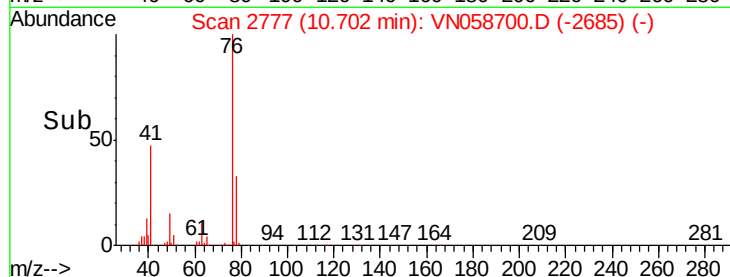
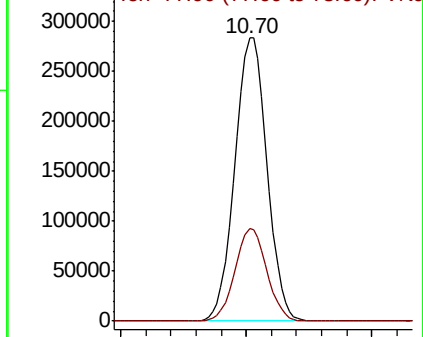
76 100

78 32.4 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 239.142 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058700.D

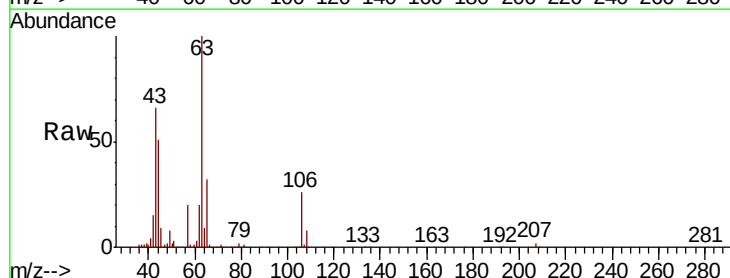
Acq: 11 Oct 2019 13:50

Tgt Ion: 63 Resp: 1023002

Ion Ratio Lower Upper

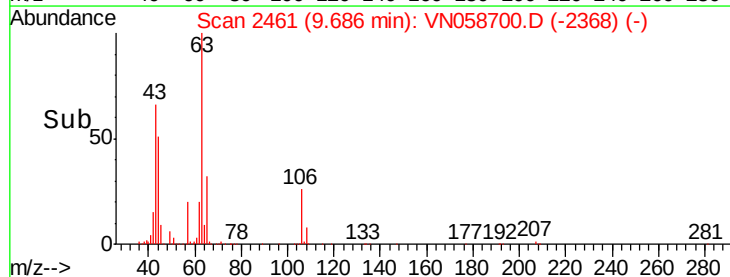
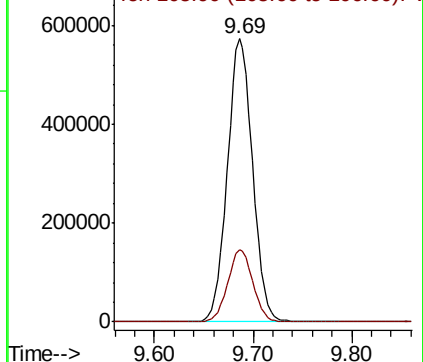
63 100

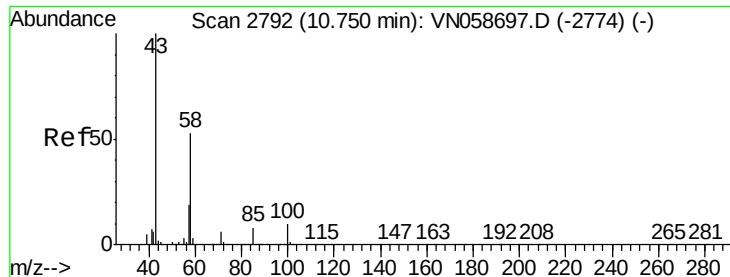
106 25.4 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

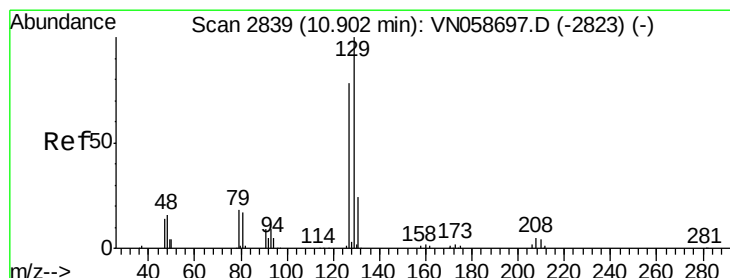
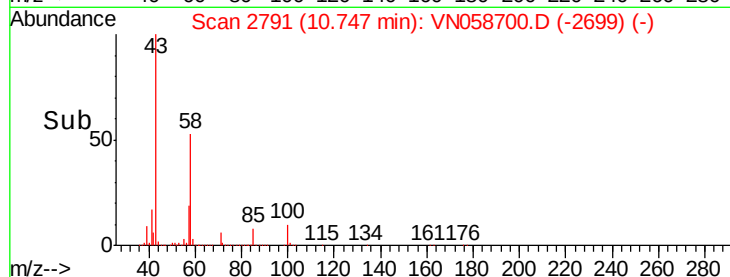
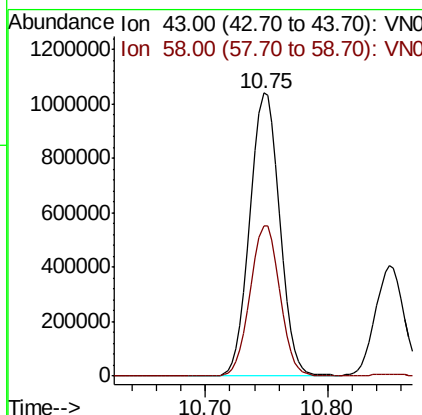
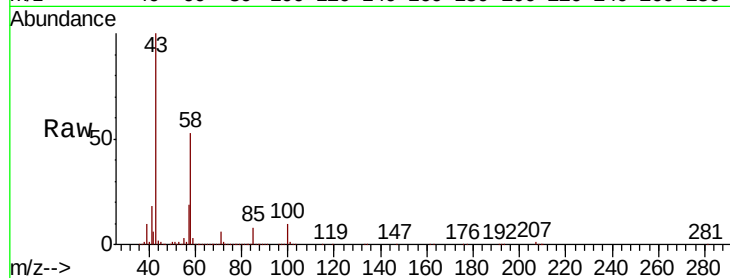




#59
2-Hexanone
Concen: 277.513 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

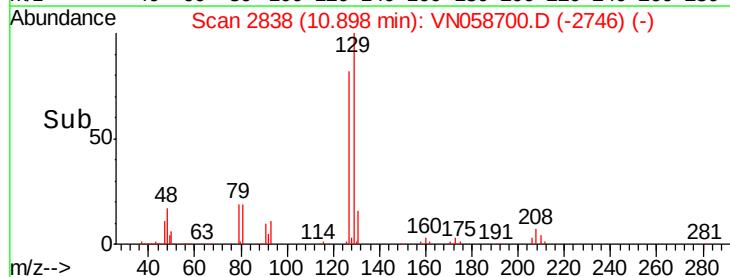
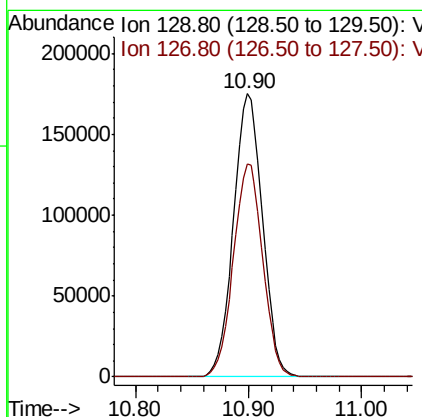
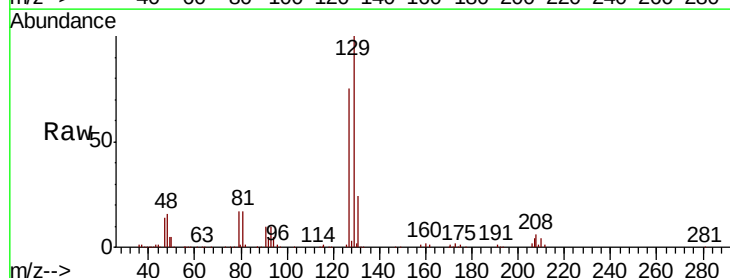
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

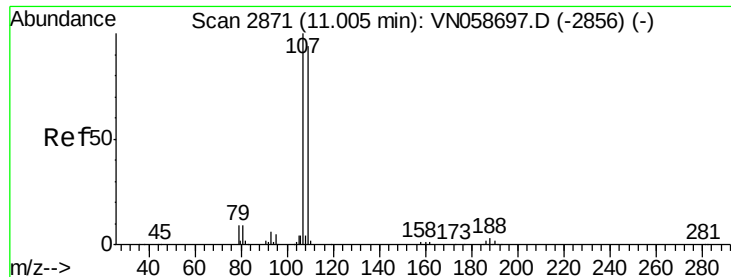
Tot Ion: 43 Resp: 1753701
Ion Ratio Lower Upper
43 100
58 52.9 26.1 78.3



#60
Dibromochloromethane
Concen: 49.962 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion: 129 Resp: 313153
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.3

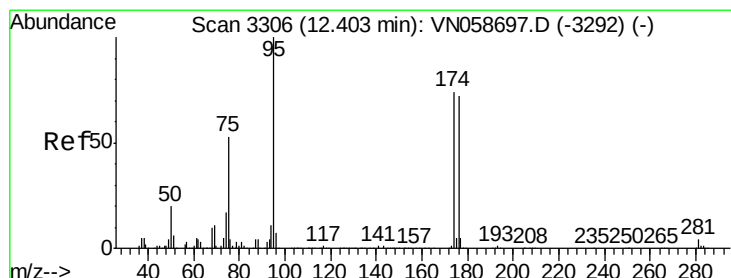
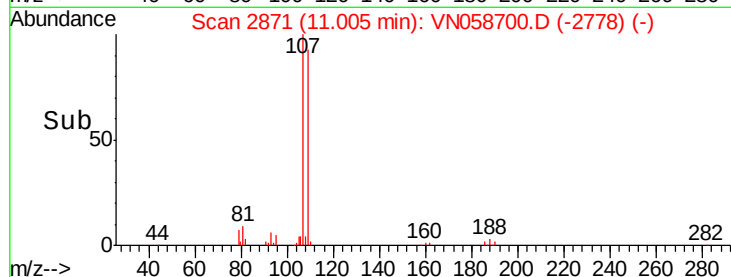
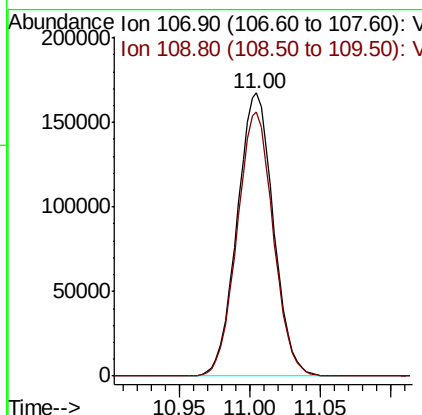
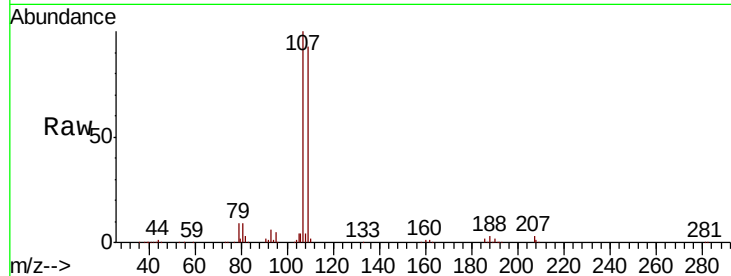




#61
 1,2-Dibromoethane
 Concen: 49.546 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

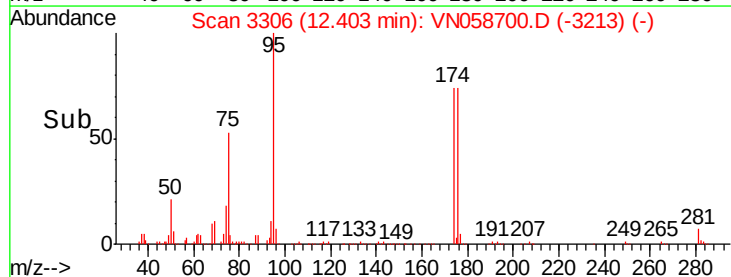
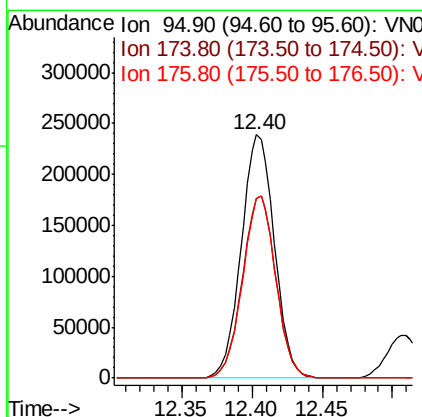
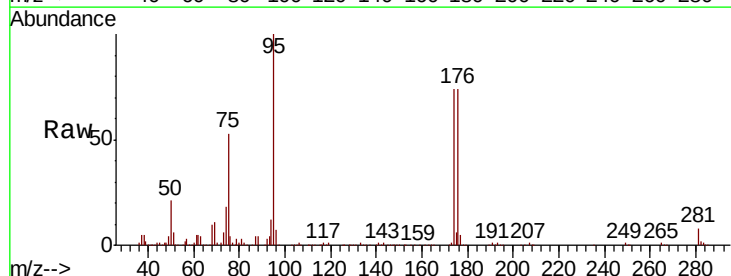
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

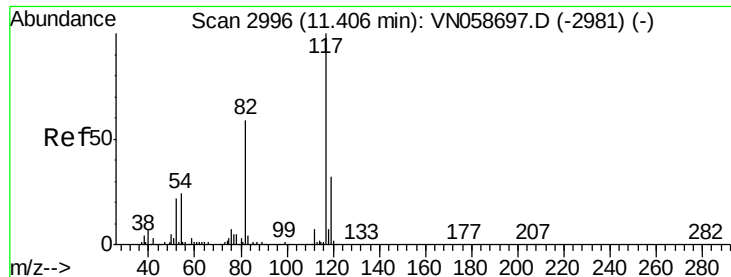
Tot Ion: 107 Resp: 301595
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.335 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion: 95 Resp: 393374
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 150.4
 176 74.6 0.0 146.8

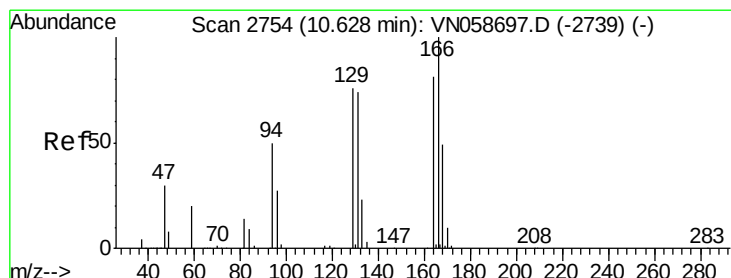
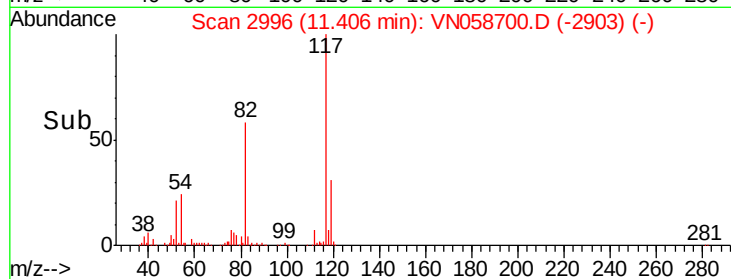
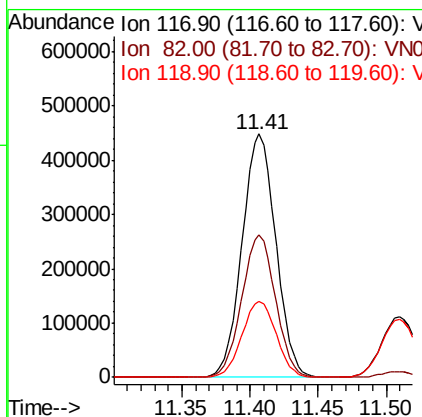
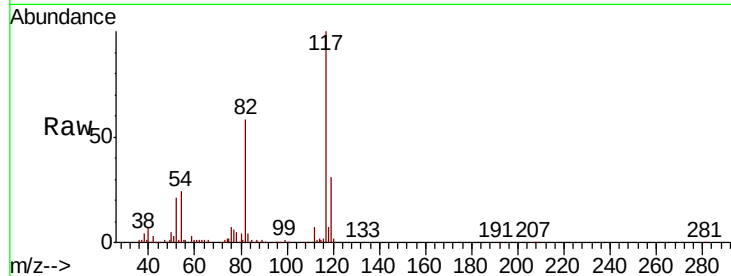




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

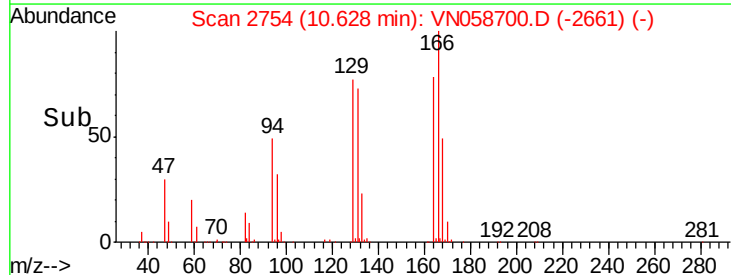
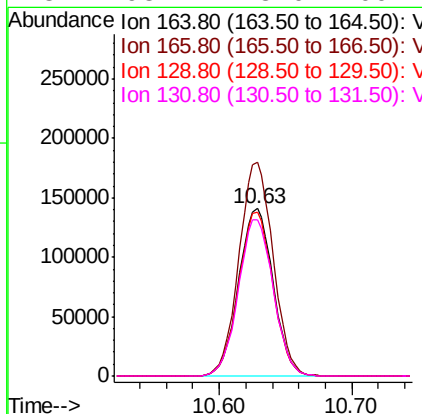
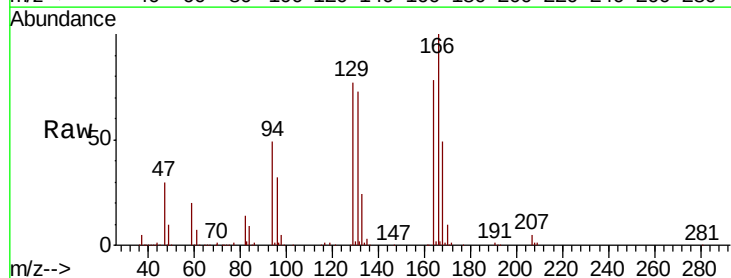
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

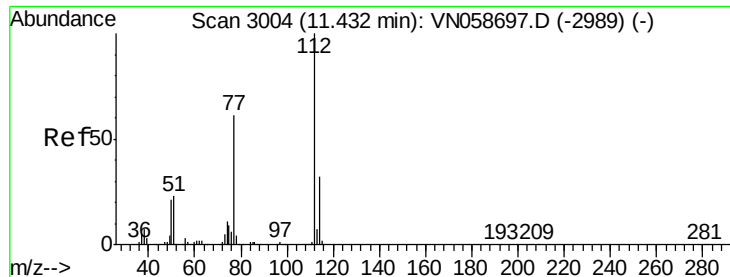
Tot Ion:117 Resp: 771149
Ion Ratio Lower Upper
117 100
82 58.3 47.0 70.4
119 31.2 25.4 38.2



#64
Tetrachloroethene
Concen: 47.151 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion:164 Resp: 254460
Ion Ratio Lower Upper
164 100
166 127.6 99.3 148.9
129 98.1 75.2 112.8
131 93.2 73.0 109.4

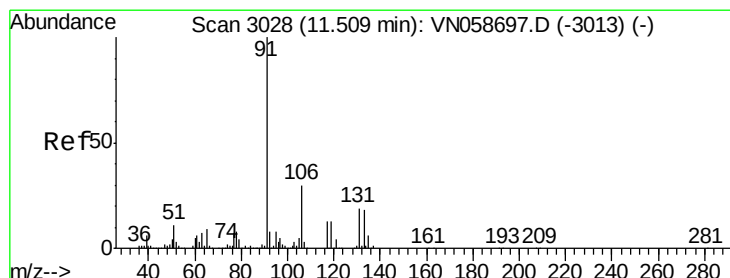
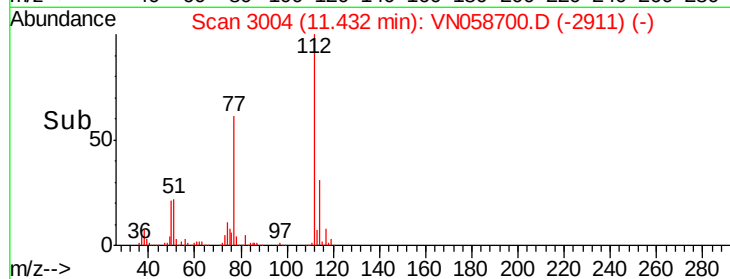
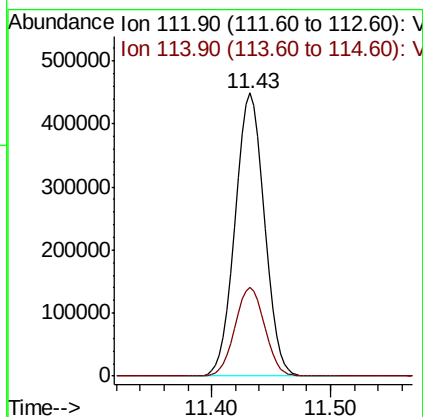
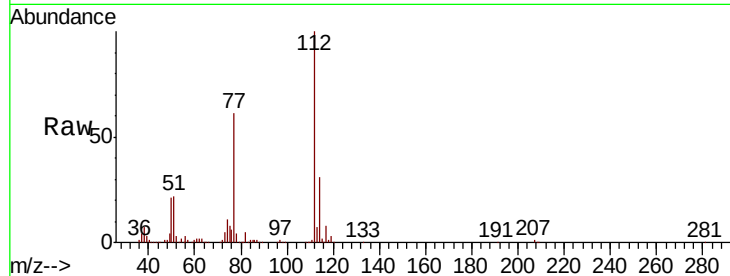




#65
Chlorobenzene
Concen: 49.050 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

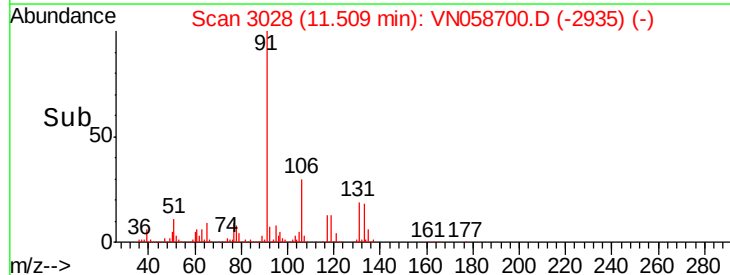
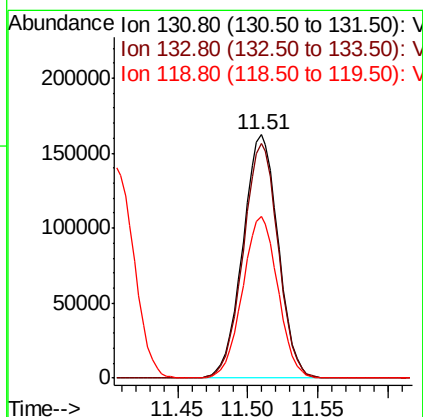
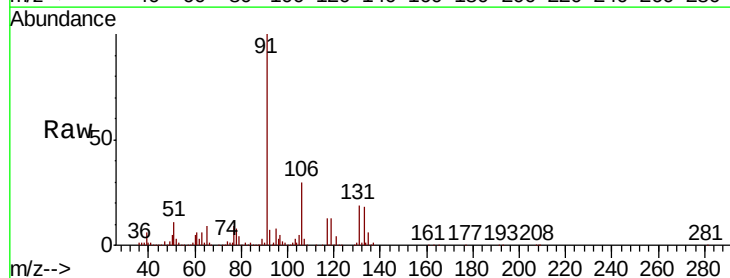
Instrument :
MSVOA_N
ClientSampleId :
ICVFN101319

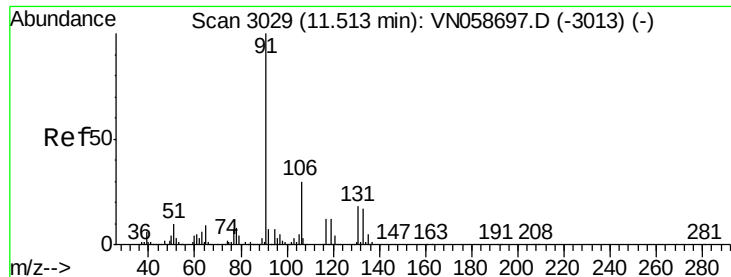
Tot Ion:112 Resp: 768151
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.354 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion:131 Resp: 285802
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.9
119 66.2 33.0 98.9





#67

Ethyl Benzene

Concen: 51.223 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

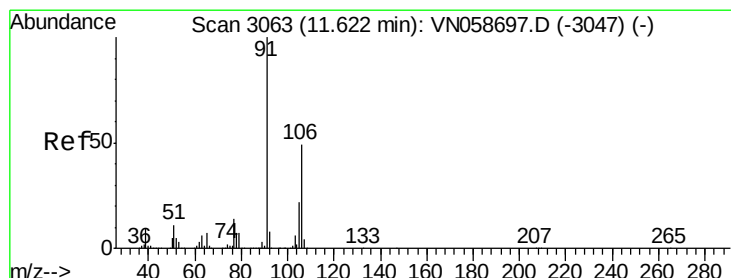
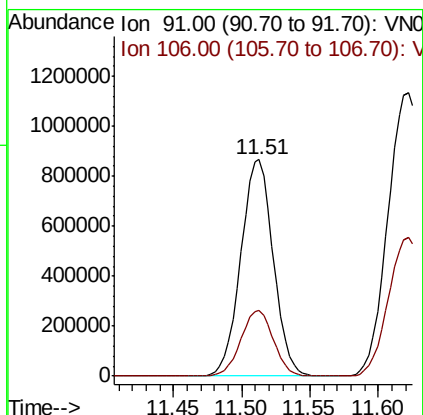
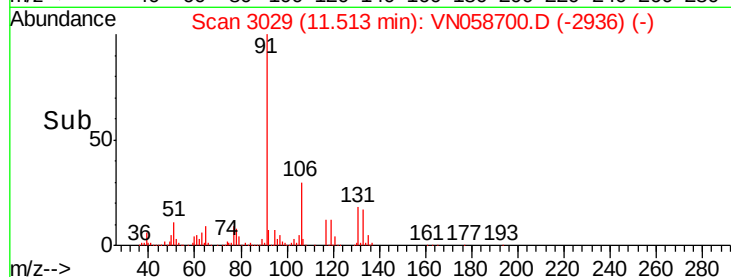
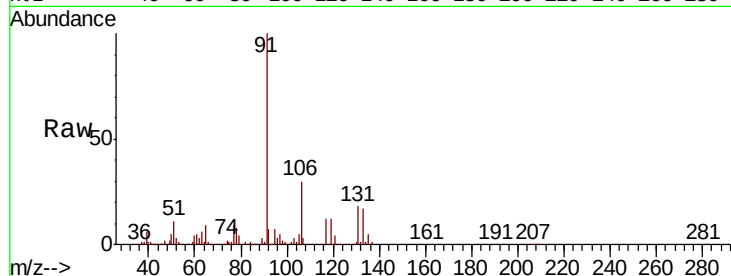
ICVVN101319

Tot Ion: 91 Resp: 1429938

Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1



#68

m/p-Xylenes

Concen: 101.478 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058700.D

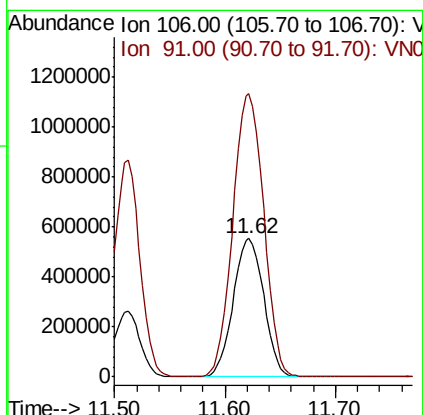
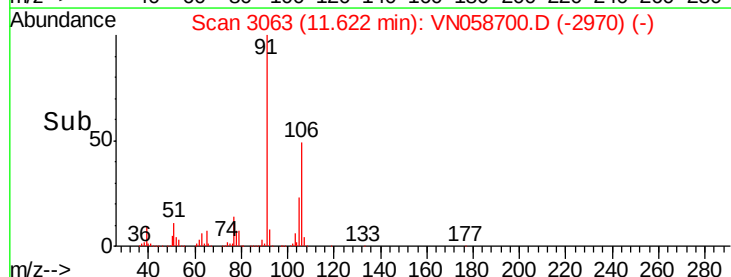
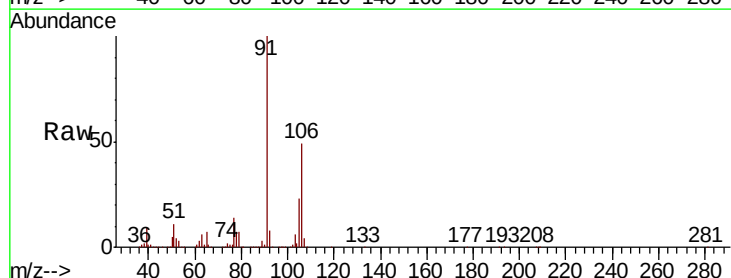
Acq: 11 Oct 2019 13:50

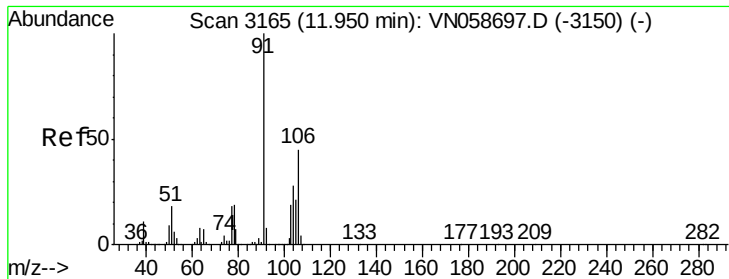
Tgt Ion:106 Resp: 1063094

Ion Ratio Lower Upper

106 100

91 206.8 165.7 248.5

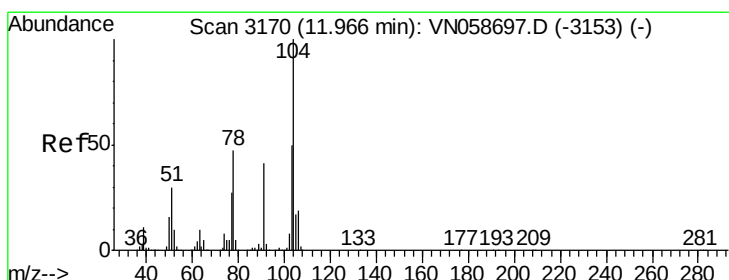
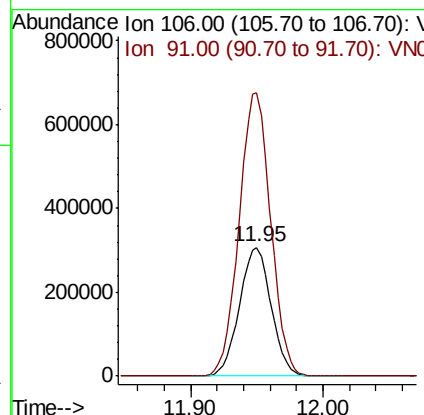
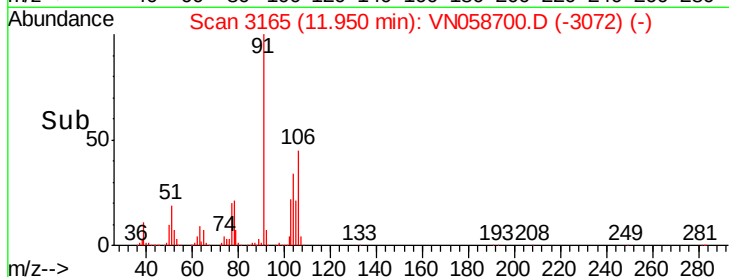
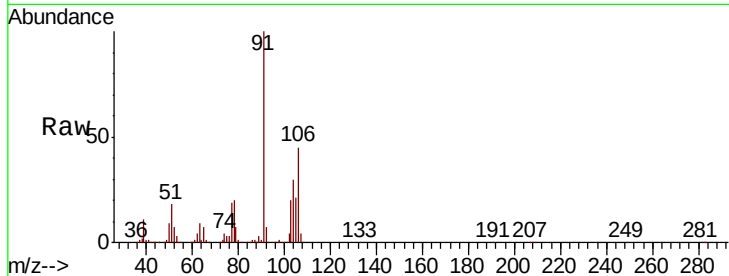




#69
o-Xylene
Concen: 50.222 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

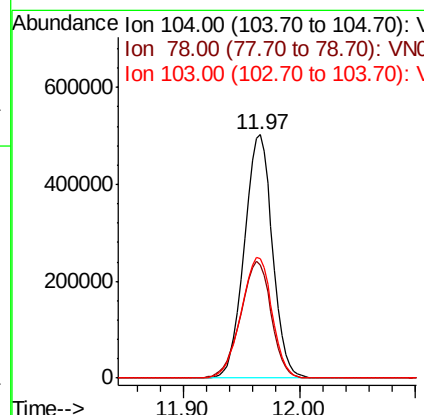
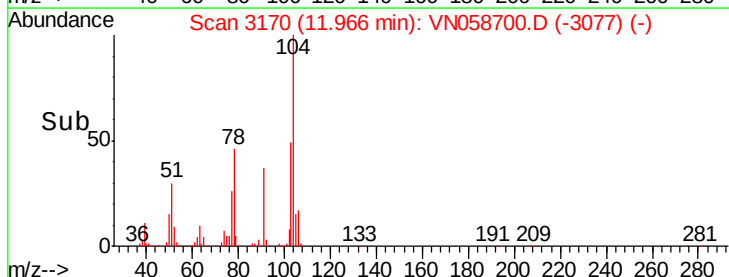
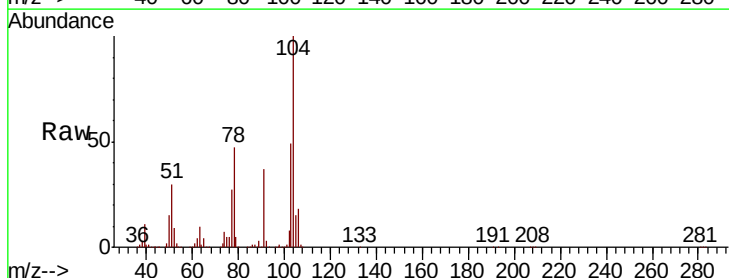
Instrument :
MSVOA_N
ClientSampleId :
ICVFN101319

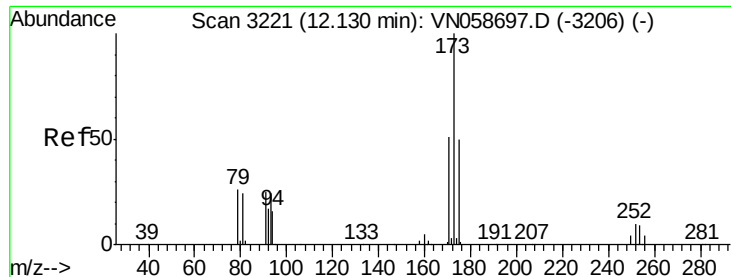
Tot Ion:106 Resp: 509037
Ion Ratio Lower Upper
106 100
91 219.1 110.9 332.9



#70
Styrene
Concen: 51.007 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion:104 Resp: 847357
Ion Ratio Lower Upper
104 100
78 52.5 42.2 63.2
103 54.6 43.7 65.5

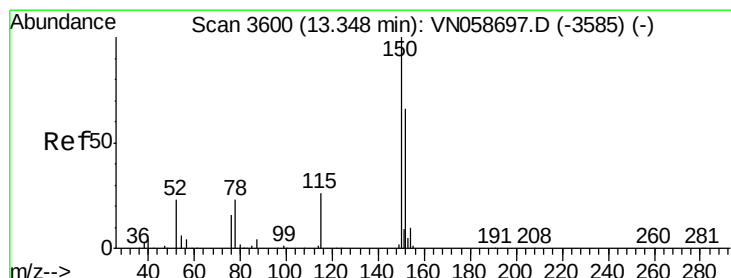
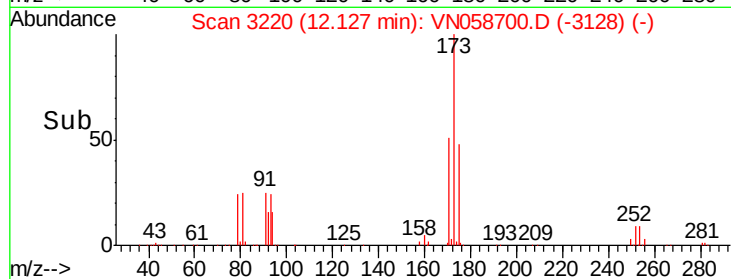
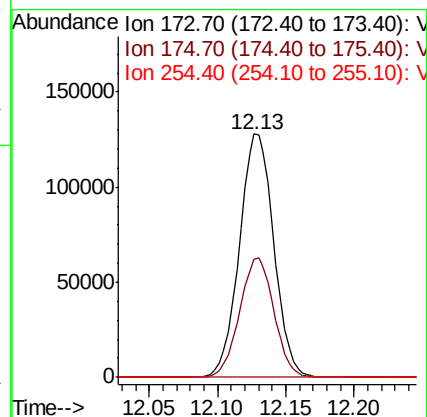
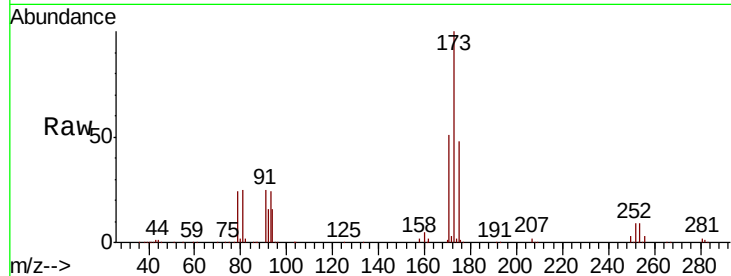




#71
Bromoform
Concen: 52.628 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

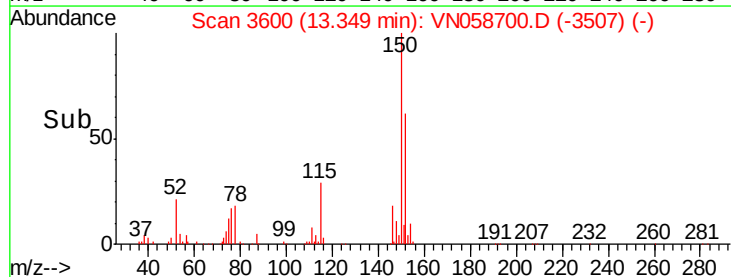
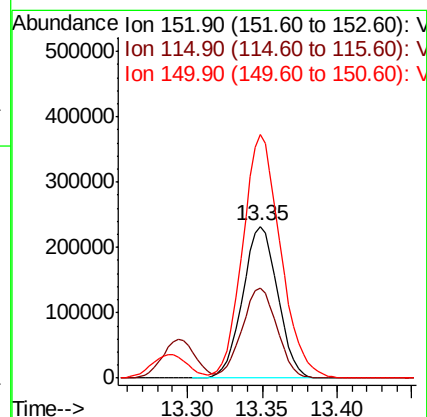
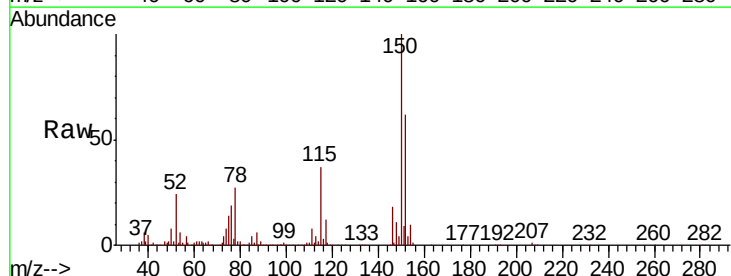
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

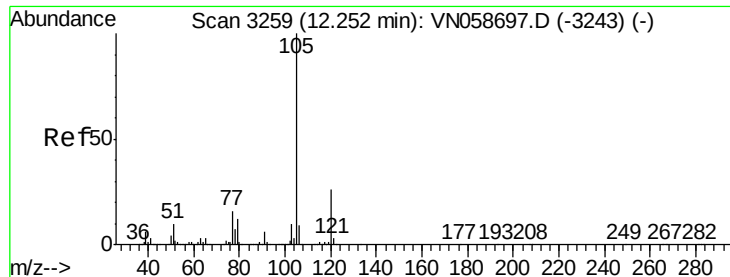
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.0	0.1	0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	30.4	91.2
150	173.4	0.0	345.4





#73

Isopropylbenzene

Concen: 51.019 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

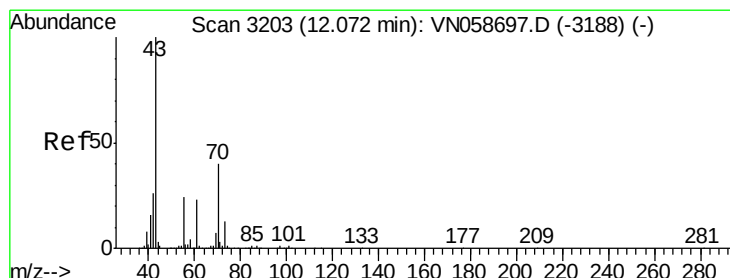
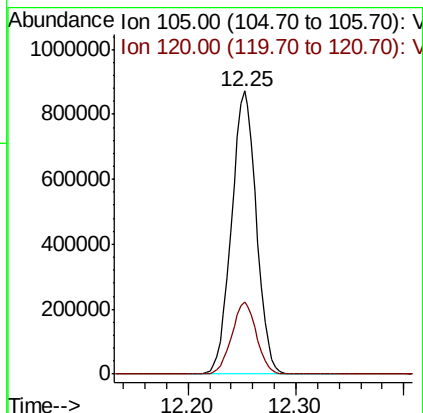
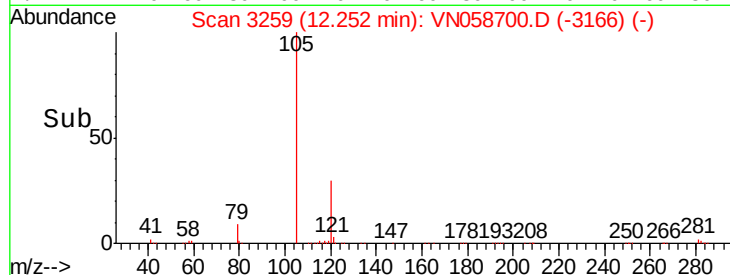
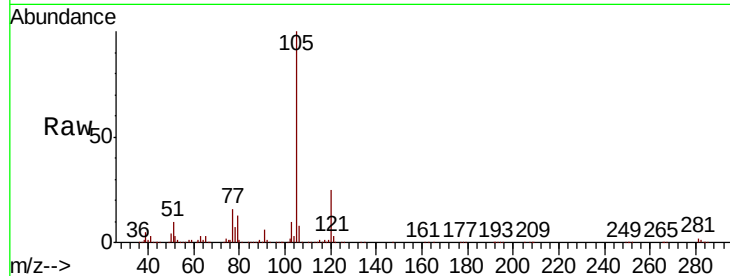
ICVFN101319

Tot Ion:105 Resp: 1398493

Ion Ratio Lower Upper

105 100

120 25.5 13.1 39.1



#74

N-ethyl acetate

Concen: 53.897 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Tgt Ion: 43 Resp: 663553

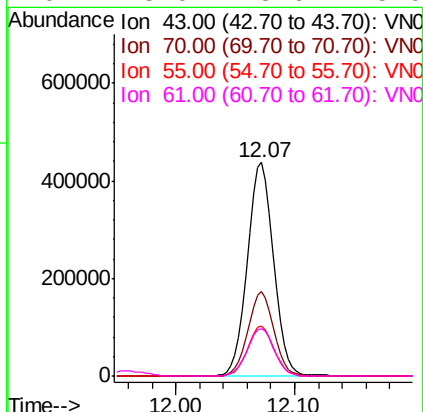
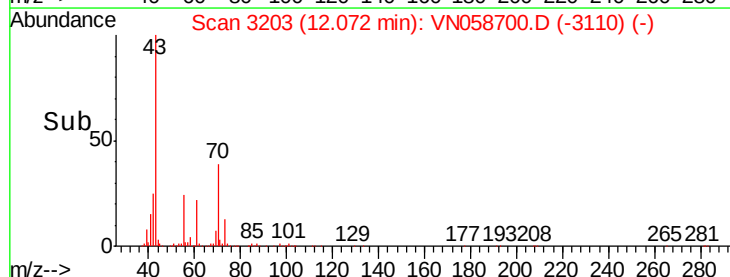
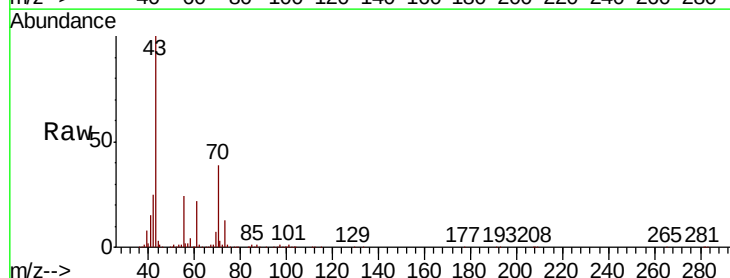
Ion Ratio Lower Upper

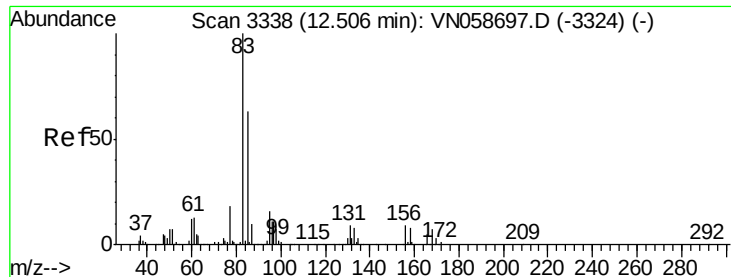
43 100

70 39.4 32.2 48.4

55 23.8 19.6 29.4

61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.557 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101319

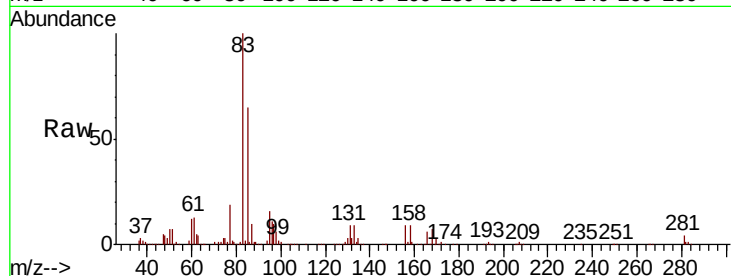
Tot Ion: 83 Resp: 447507

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.4

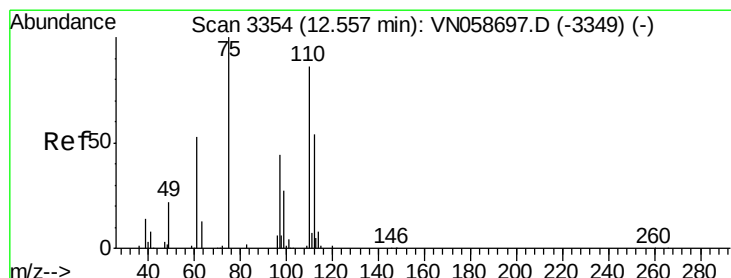
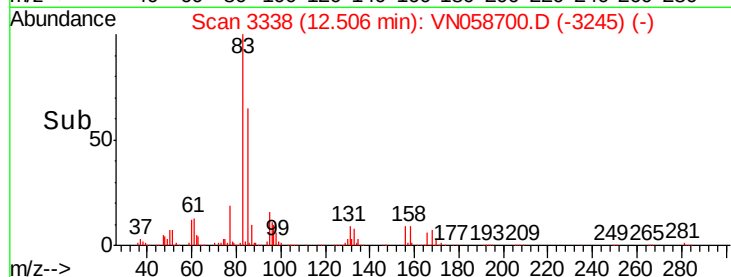
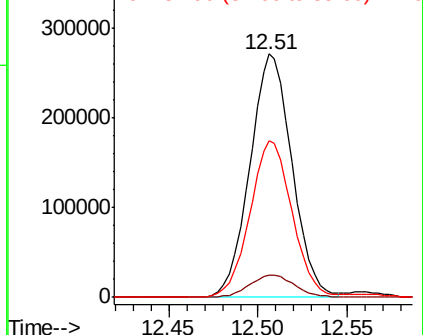
85 64.5 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN058700.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058700.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058700.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 74.185 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058700.D

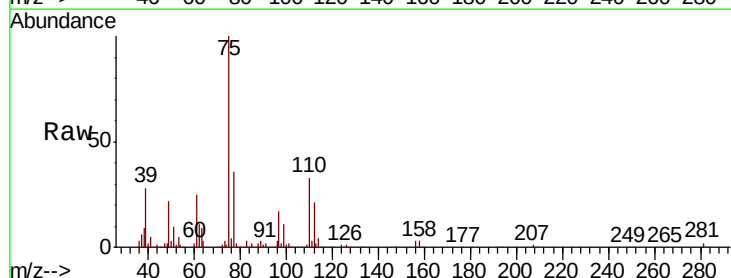
Acq: 11 Oct 2019 13:50

Tgt Ion: 75 Resp: 615971

Ion Ratio Lower Upper

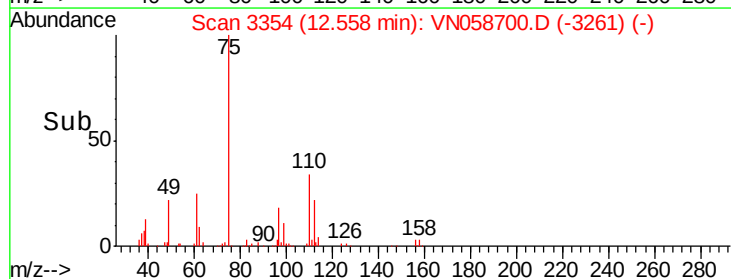
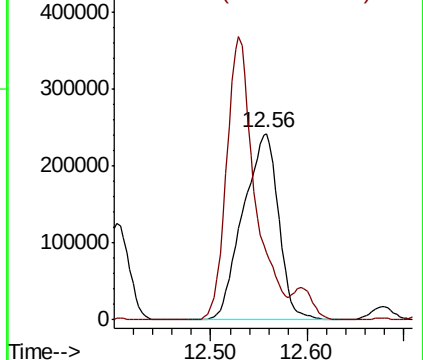
75 100

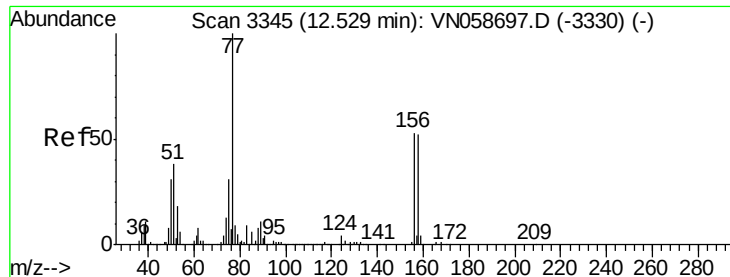
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058700.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058700.D (-3261) (-)





#77

Bromobenzene

Concen: 48.704 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101319

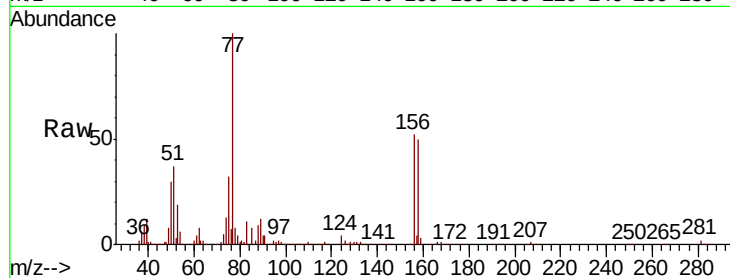
Tot Ion:156 Resp: 324726

Ion Ratio Lower Upper

156 100

77 231.7 115.8 347.3

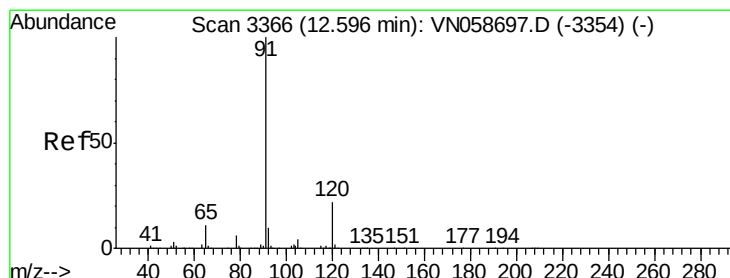
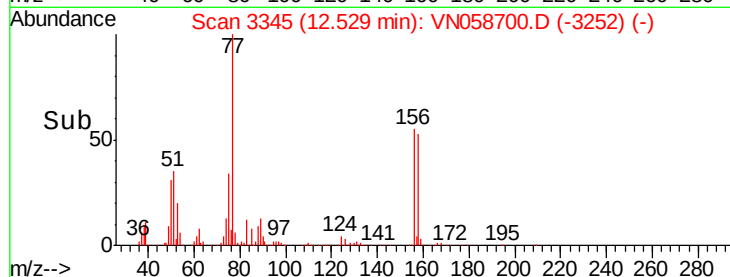
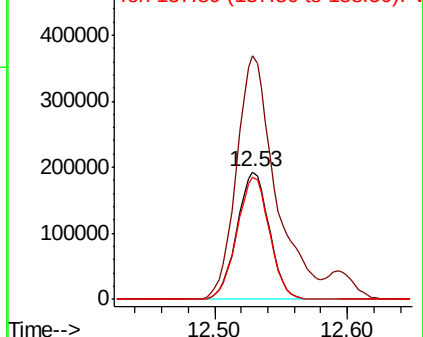
158 96.5 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.777 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058700.D

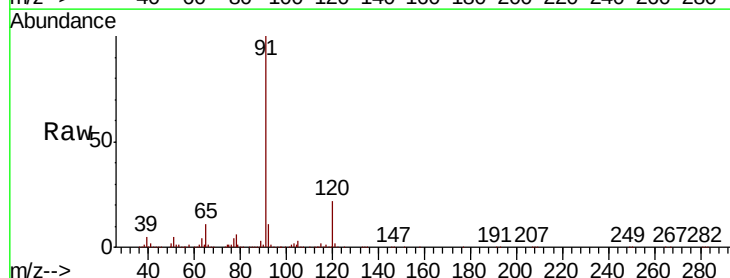
Acq: 11 Oct 2019 13:50

Tgt Ion: 91 Resp: 1653834

Ion Ratio Lower Upper

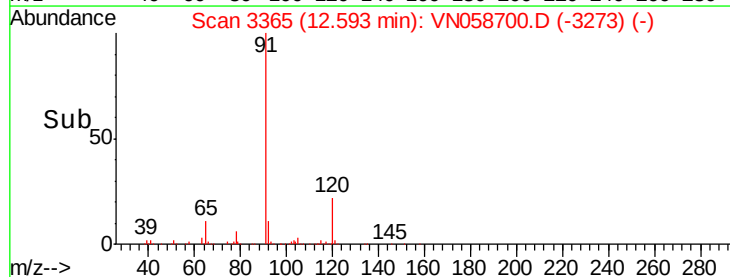
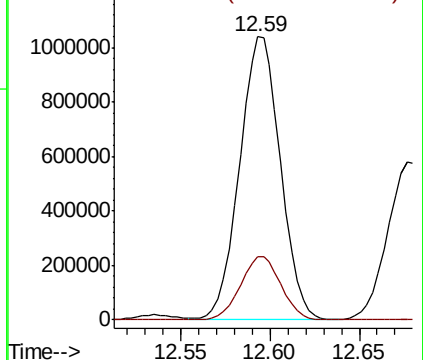
91 100

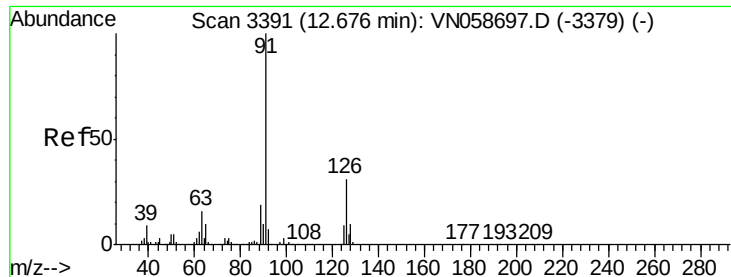
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

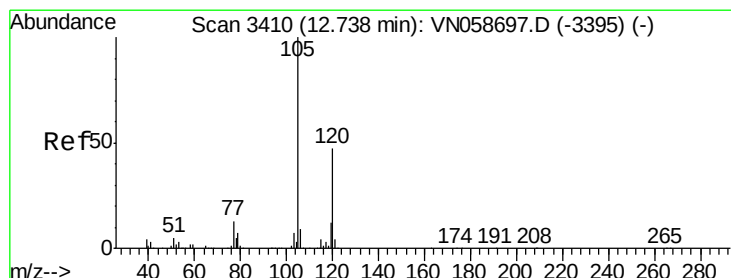
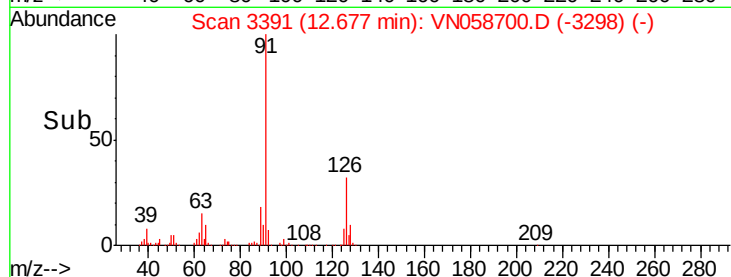
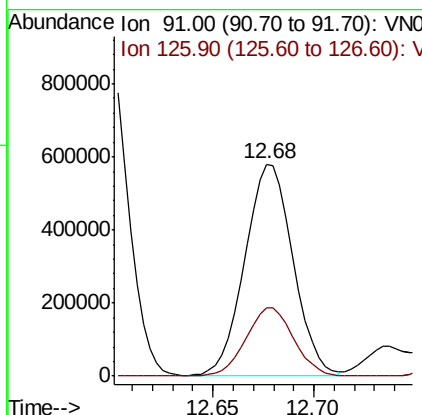
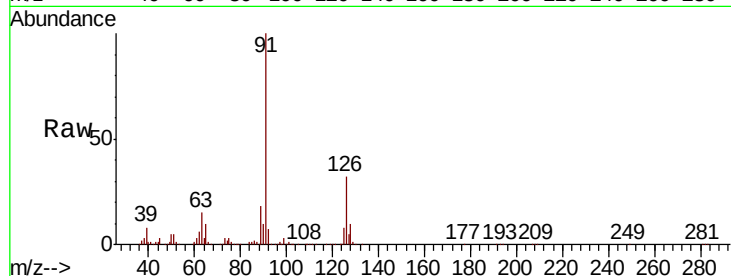




#79
 2-Chlorotoluene
 Concen: 48.576 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

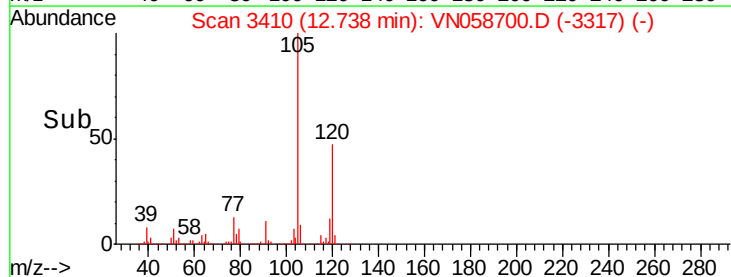
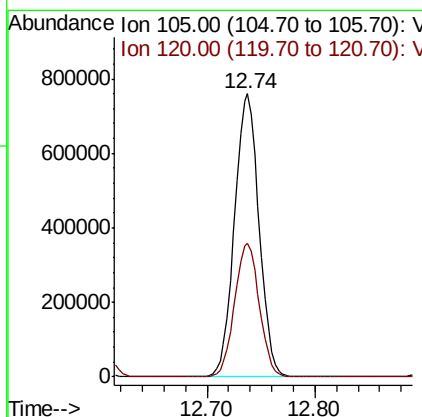
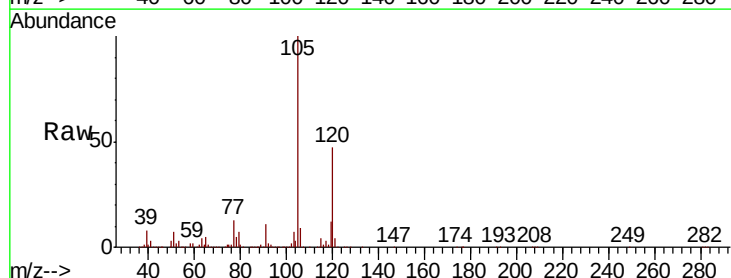
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

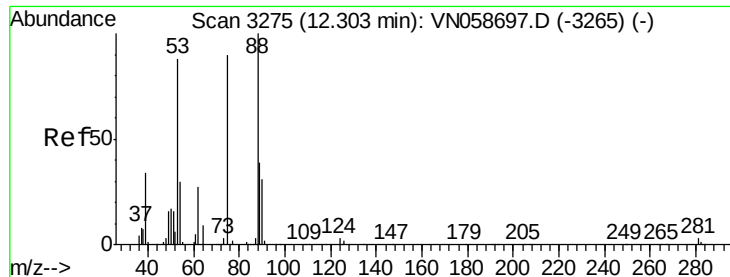
Tot Ion: 91 Resp: 963034
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 50.920 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion: 105 Resp: 1191643
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.4 70.2

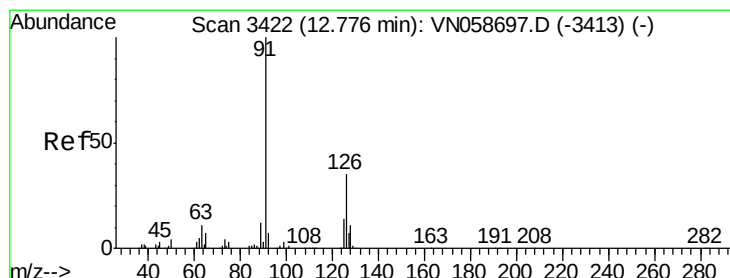
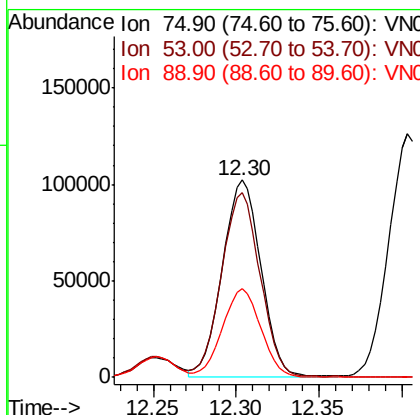
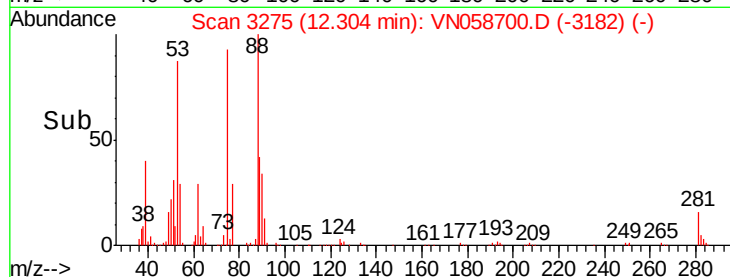
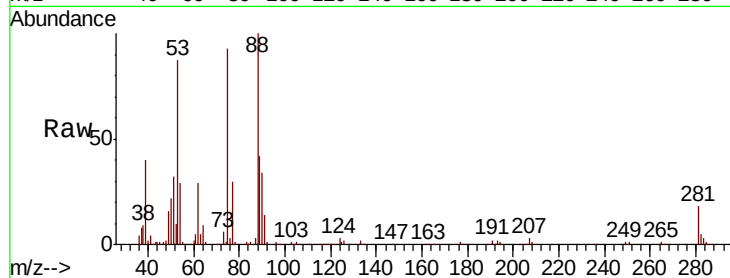




#81
trans-1,4-Dichloro-2-butene
Concen: 53.509 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

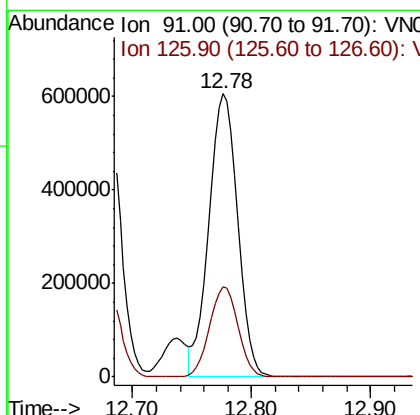
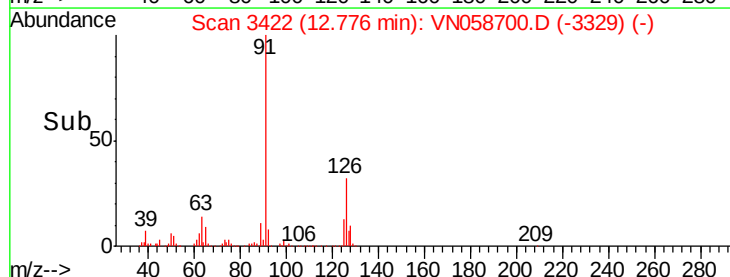
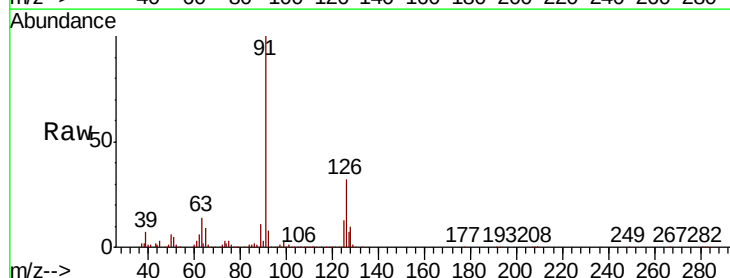
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

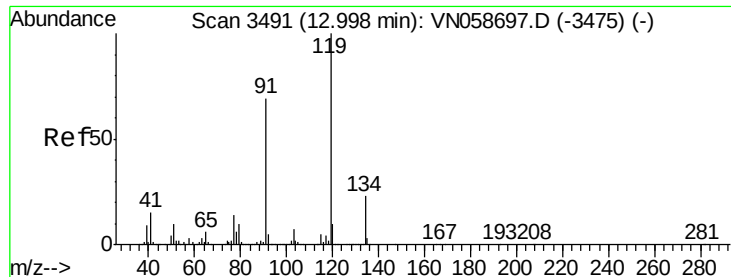
Tot Ion: 75 Resp: 165864
Ion Ratio Lower Upper
75 100
53 93.3 78.4 117.6
89 44.7 34.9 52.3



#82
4-Chlorotoluene
Concen: 49.765 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion: 91 Resp: 1012398
Ion Ratio Lower Upper
91 100
126 31.6 15.9 47.6

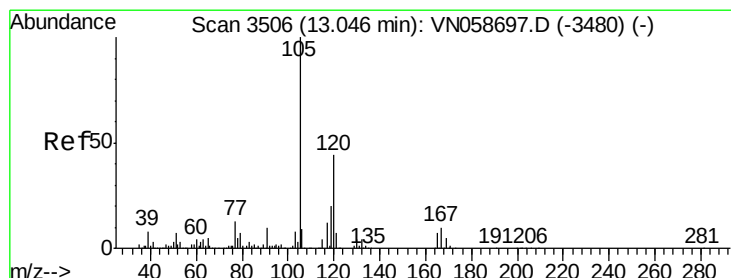
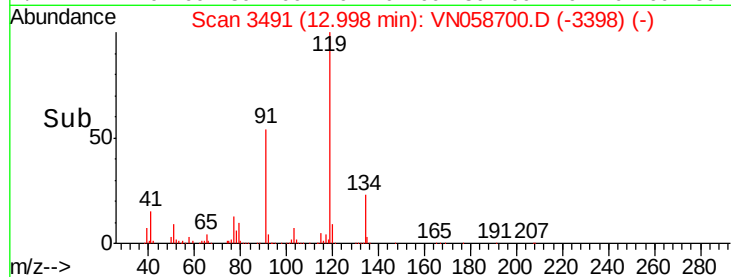
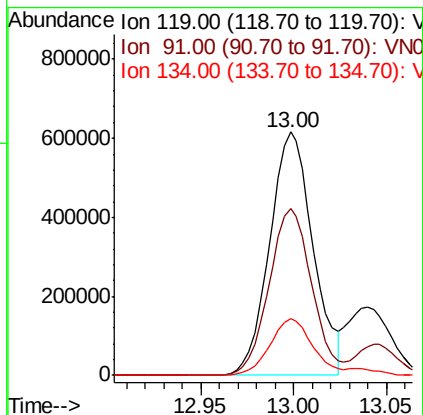
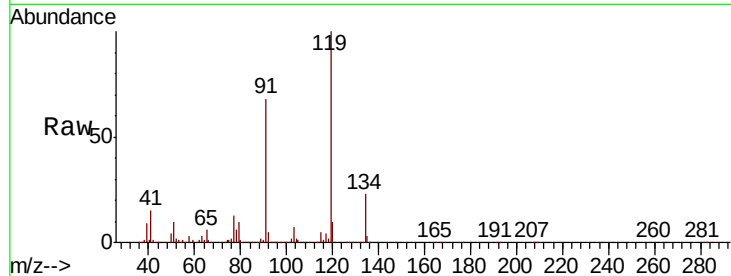




#83
 tert-Butylbenzene
 Concen: 50.314 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

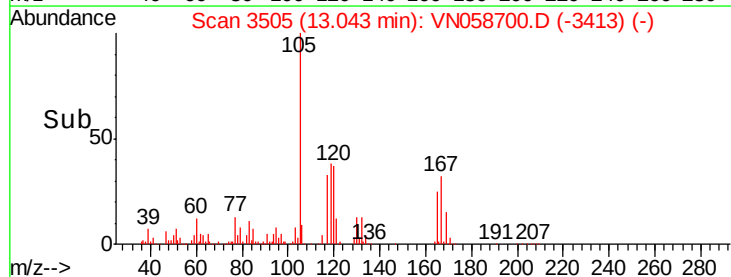
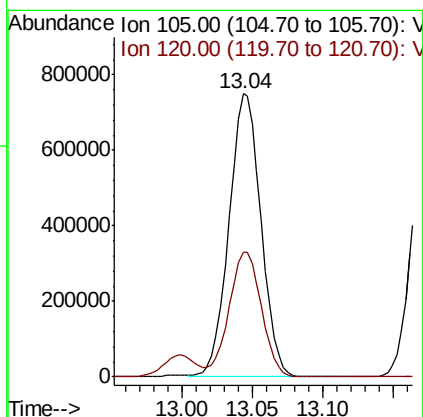
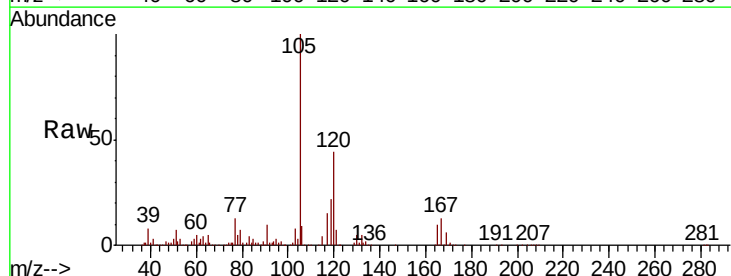
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

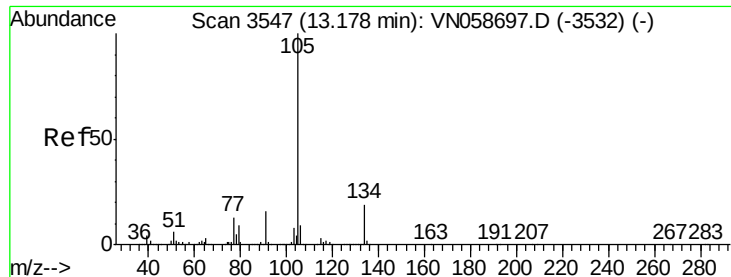
Tot Ion:119 Resp: 1008685
 Ion Ratio Lower Upper
 119 100
 91 67.2 33.8 101.3
 134 22.8 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.062 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion:105 Resp: 1186271
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.9 65.7





#85

sec-Butylbenzene

Concen: 51.734 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

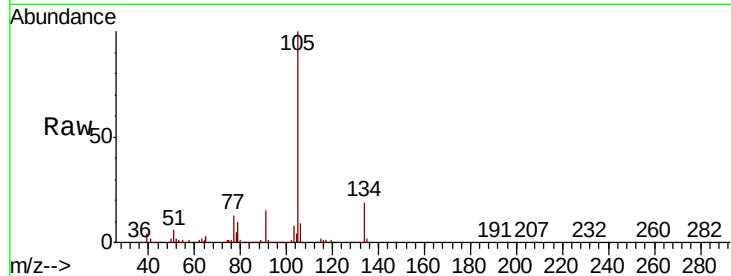
ICVFN101319

Tot Ion:105 Resp: 1366628

Ion Ratio Lower Upper

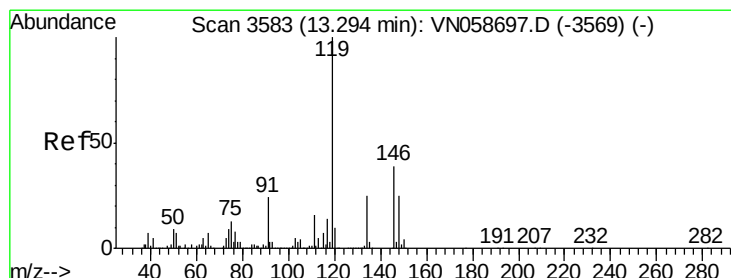
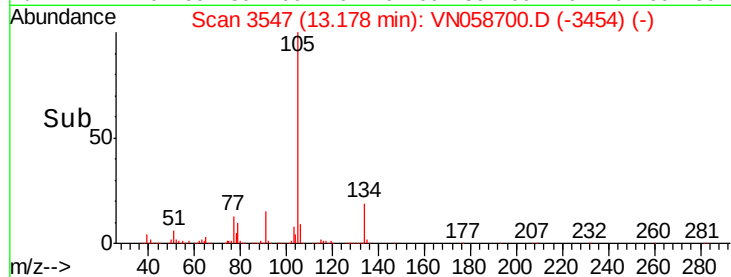
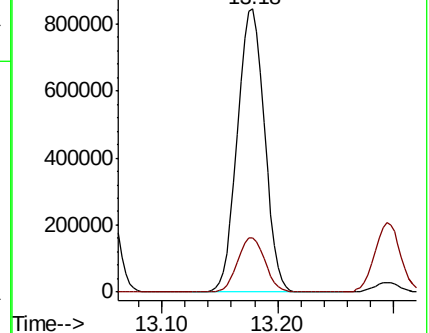
105 100

134 19.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.748 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

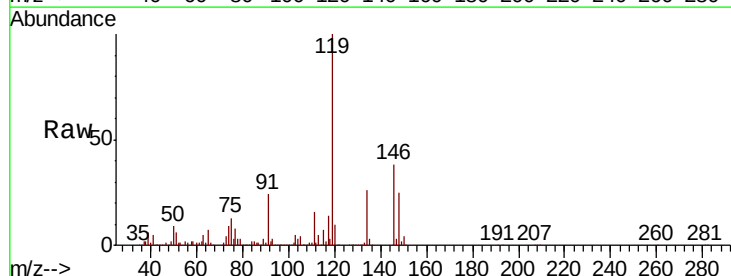
Tgt Ion:119 Resp: 1242422

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

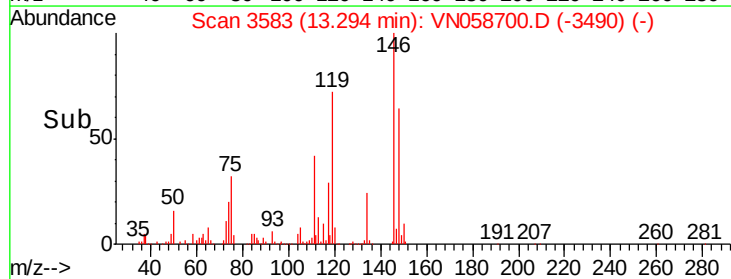
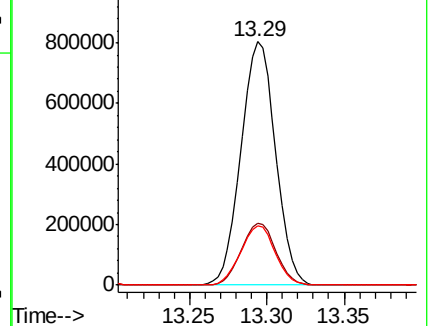
91 24.3 11.9 35.5

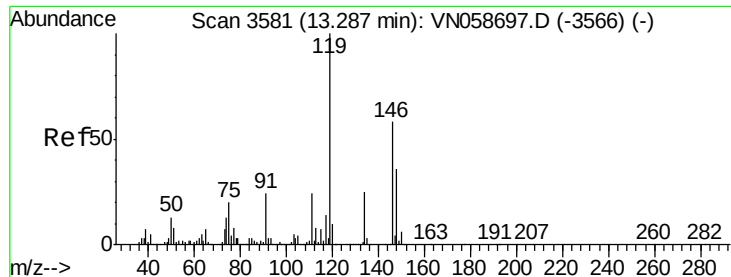


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

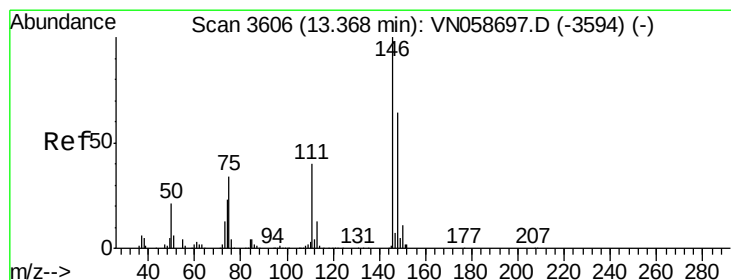
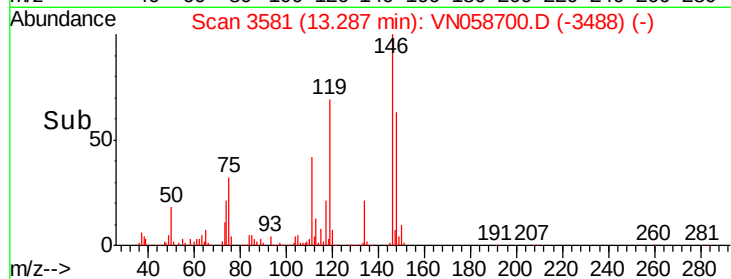
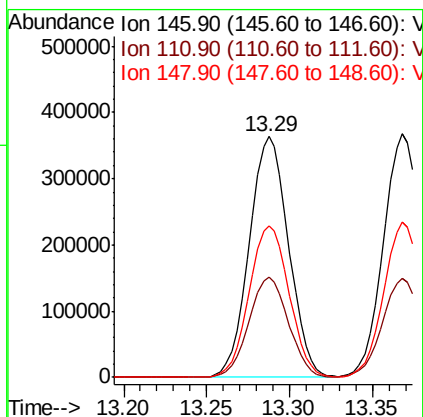
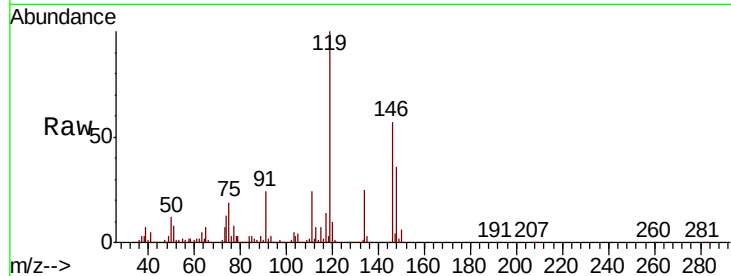




#87
 1,3-Dichlorobenzene
 Concen: 48.654 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

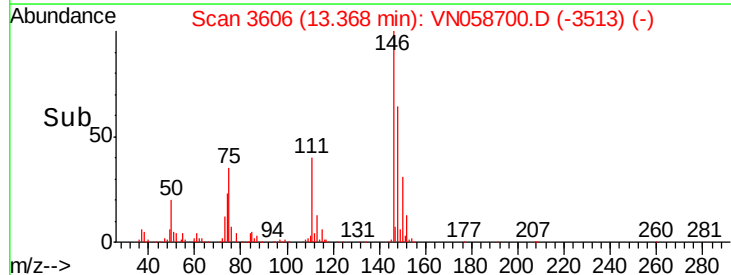
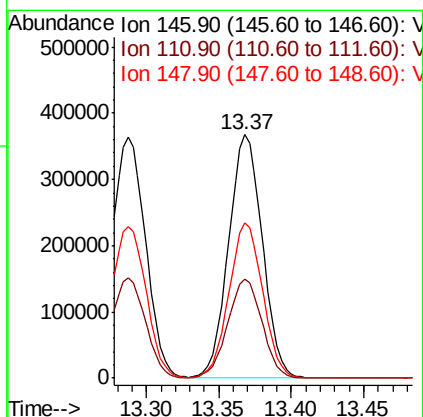
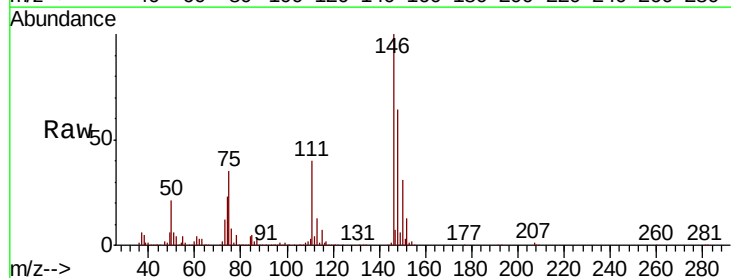
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

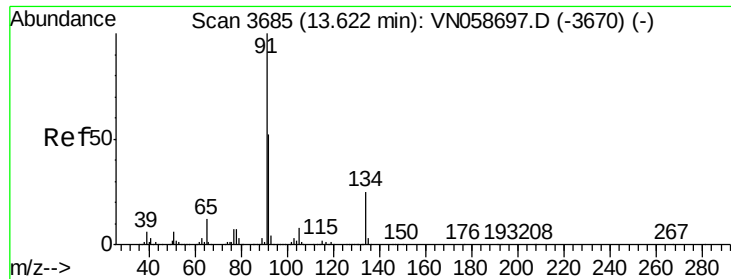
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	64.0	31.3	93.9



#88
 1,4-Dichlorobenzene
 Concen: 47.492 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.1	60.2
148	63.4	31.9	95.7

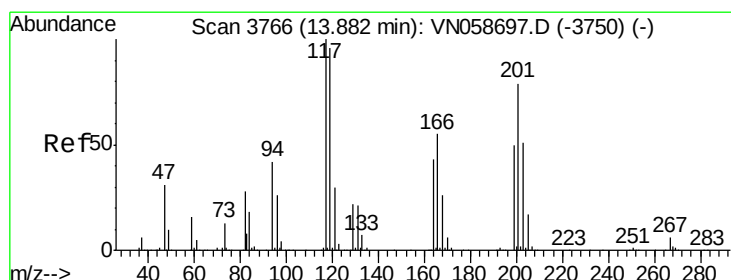
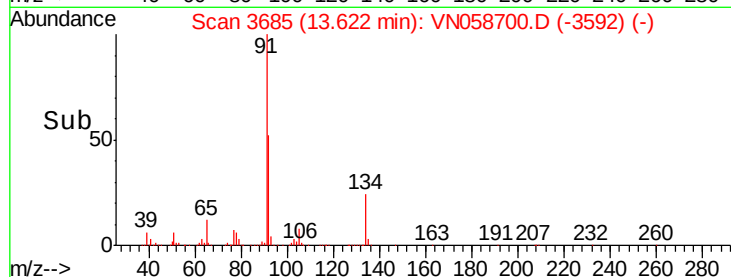
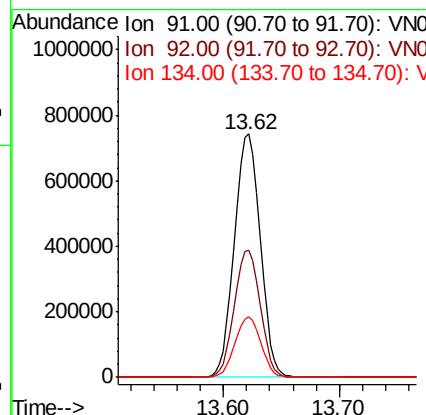
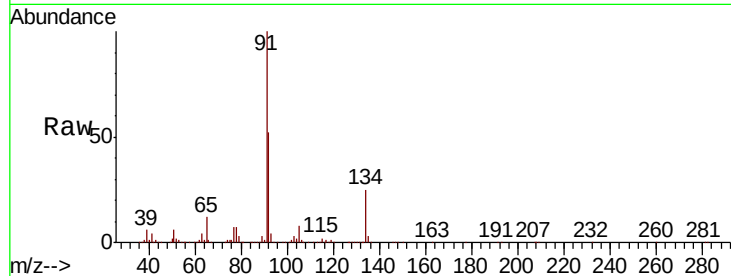




#89
n-Butylbenzene
Concen: 51.514 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

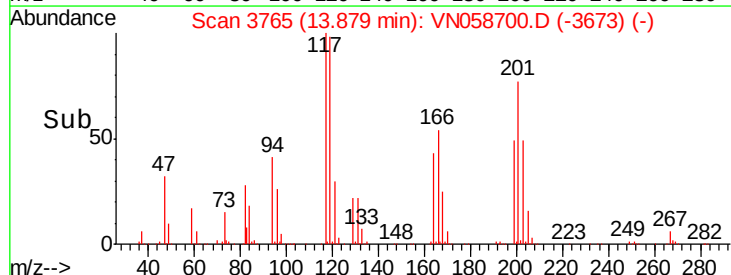
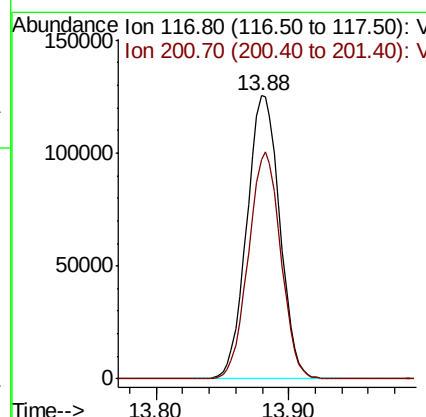
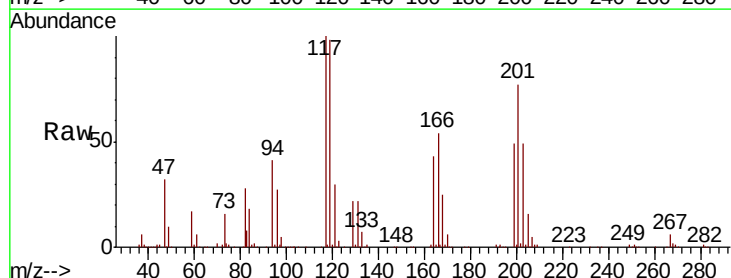
Instrument :
MSVOA_N
ClientSampleId :
ICVVN101319

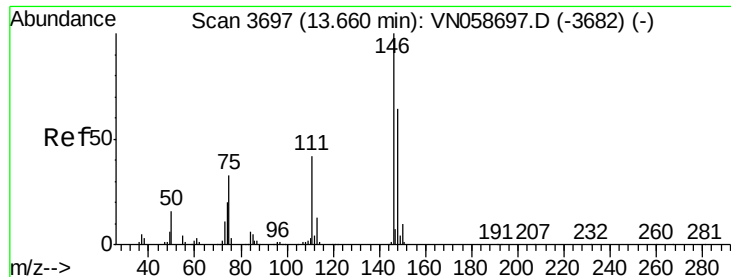
Tot Ion: 91 Resp: 1143616
Ion Ratio Lower Upper
91 100
92 52.2 26.0 78.0
134 24.7 12.2 36.6



#90
Hexachloroethane
Concen: 50.401 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058700.D
Acq: 11 Oct 2019 13:50

Tgt Ion: 117 Resp: 216519
Ion Ratio Lower Upper
117 100
201 78.6 39.6 118.7





#91

1,2-Dichlorobenzene

Concen: 48.620 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101319

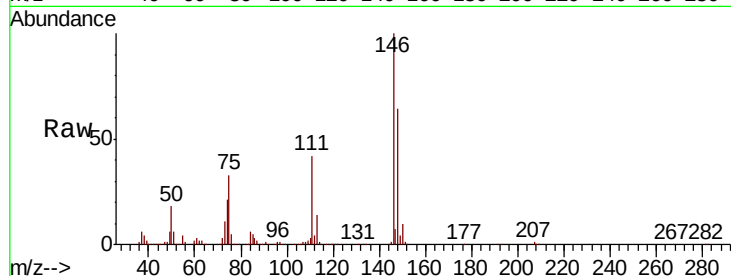
Tot Ion:146 Resp: 582663

Ion Ratio Lower Upper

146 100

111 43.1 21.1 63.4

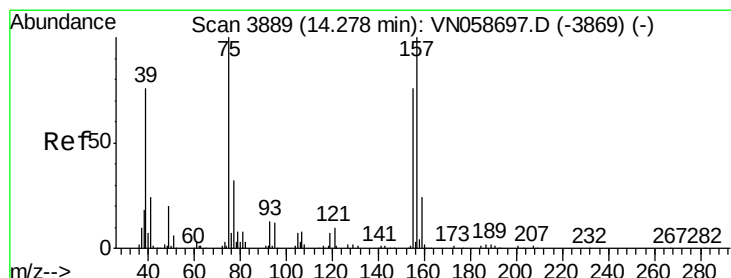
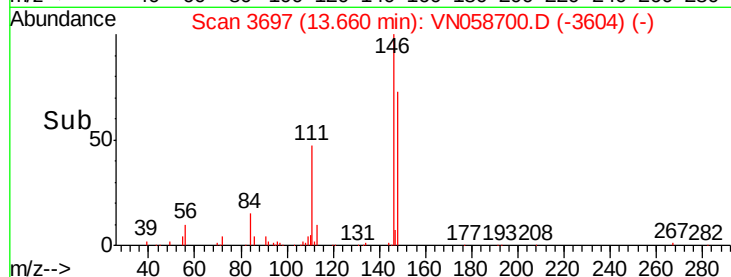
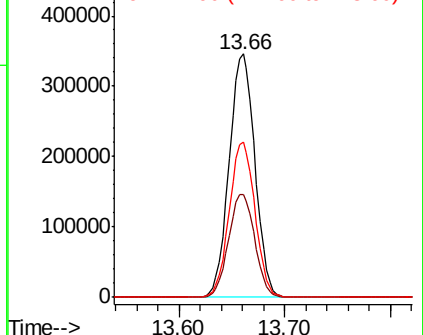
148 63.8 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.764 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

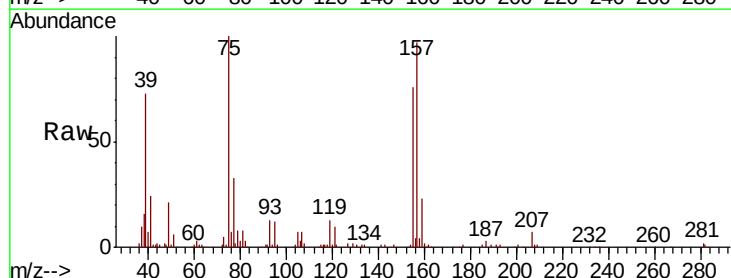
Tgt Ion: 75 Resp: 102874

Ion Ratio Lower Upper

75 100

155 75.4 37.9 113.6

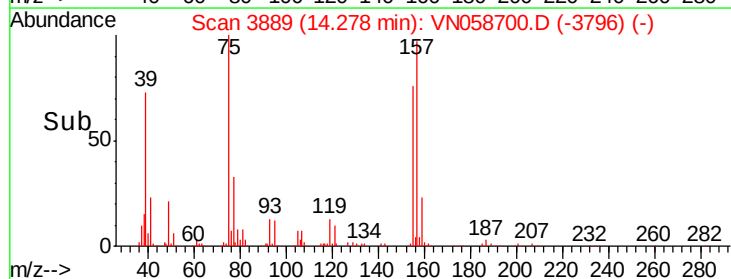
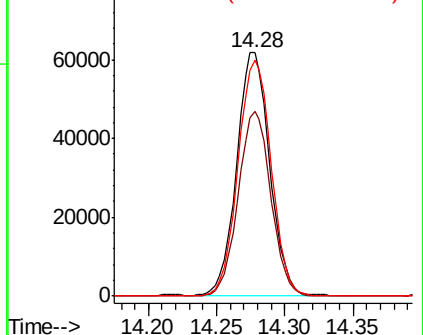
157 98.1 49.4 148.2

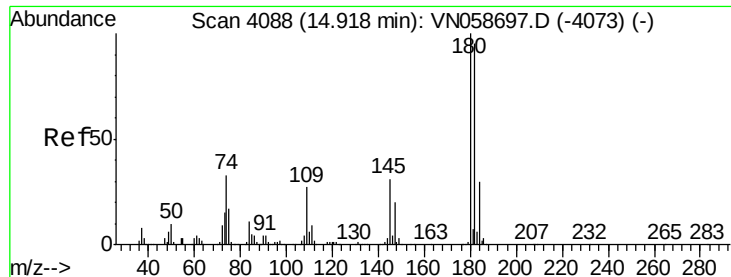


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

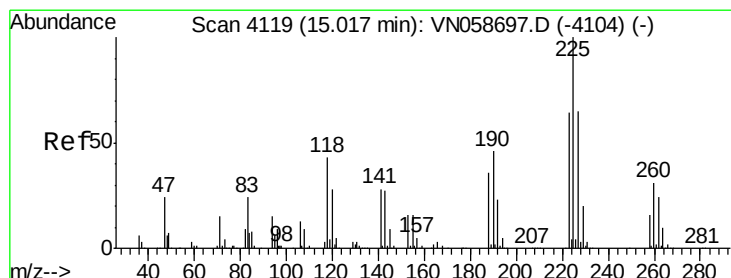
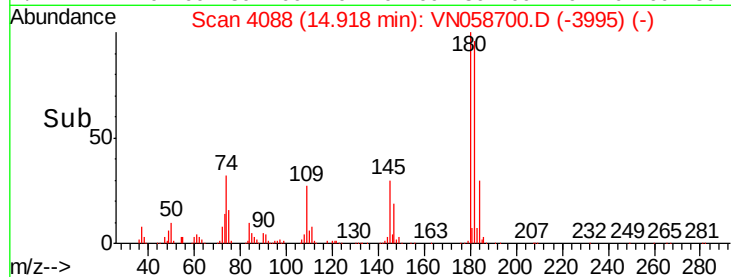
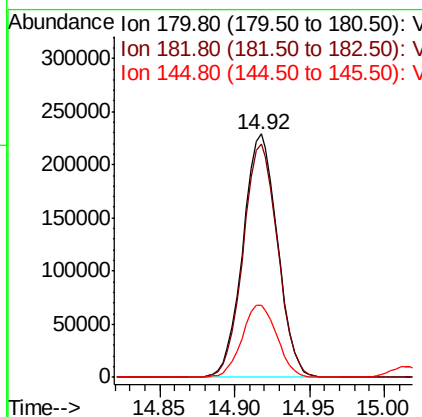
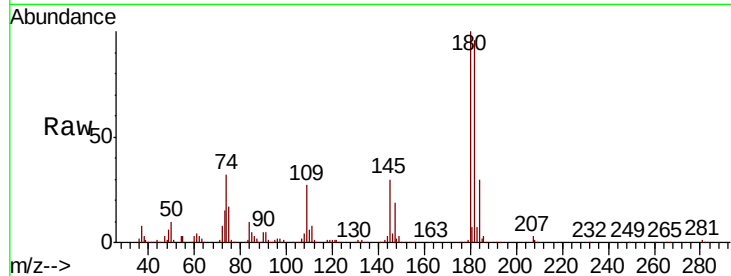




#93
 1,2,4-Trichlorobenzene
 Concen: 50.266 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

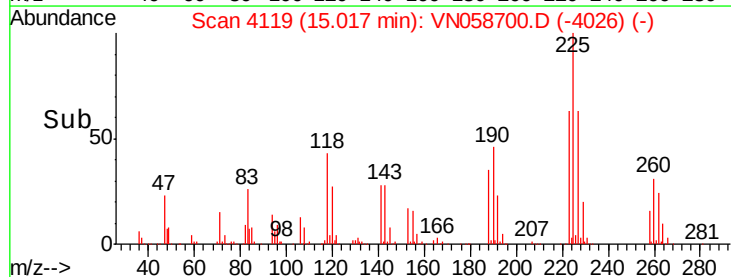
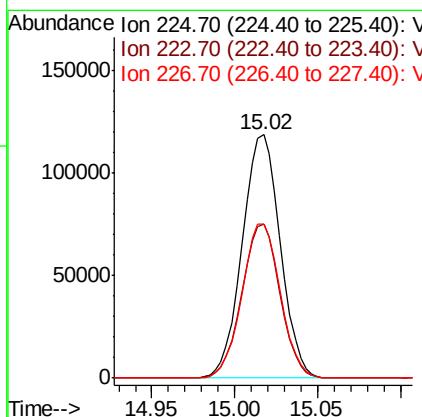
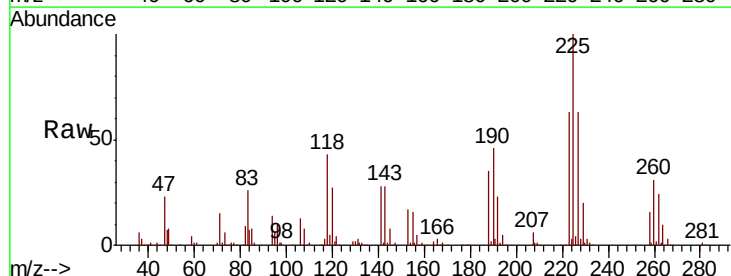
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101319

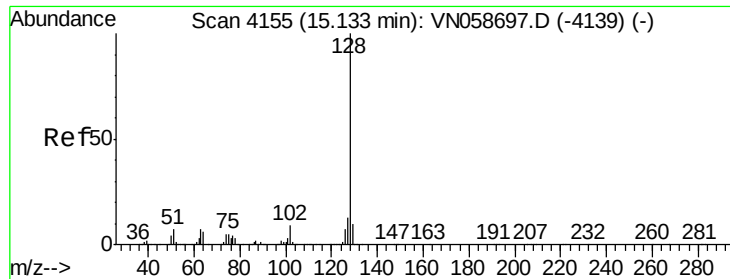
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.2
145	30.1	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 49.169 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058700.D
 Acq: 11 Oct 2019 13:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.3	96.8
227	63.7	32.4	97.0





#95

Naphthalene

Concen: 52.877 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

ICV0101319

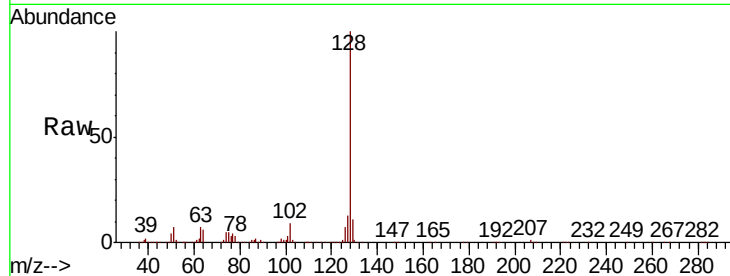
Tot Ion:128 Resp: 1110936

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.5	12.7

128 100

127 12.7 10.2 15.4

129 10.8 8.5 12.7

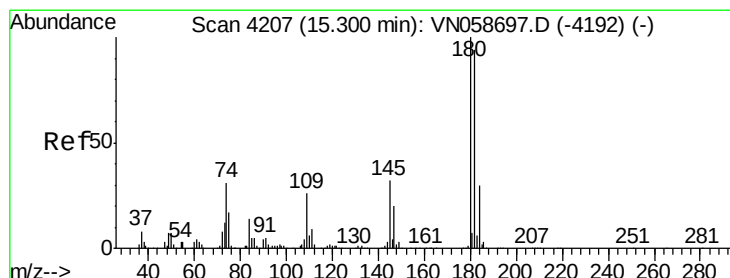
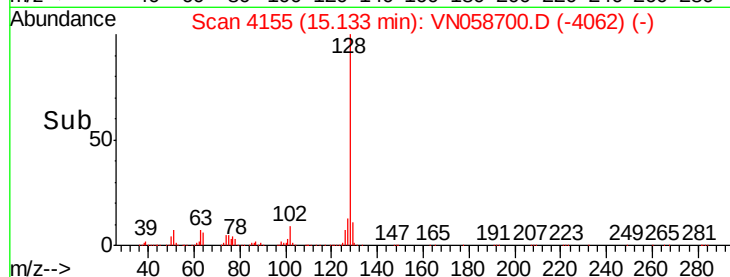
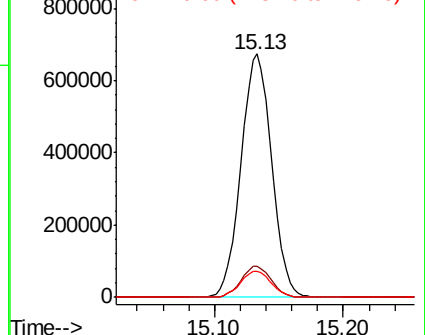


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.877 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058700.D

Acq: 11 Oct 2019 13:50

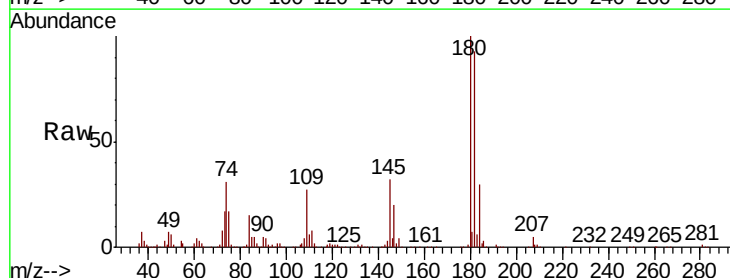
Tgt Ion:180 Resp: 355985

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	142.0
145	32.4	16.2	48.6

180 100

182 94.1 47.3 142.0

145 32.4 16.2 48.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

